

WSR 09-15-014
PERMANENT RULES
EMPLOYMENT SECURITY DEPARTMENT

[Filed July 2, 2009, 1:45 p.m., effective August 2, 2009]

Effective Date of Rule: Thirty-one days after filing.

Purpose: The United States Department of Labor adopted new regulations concerning the filing of combined wage claims. These rules incorporate these federal requirements into the Washington Administrative Code.

Citation of Existing Rules Affected by this Order: Amending WAC 192-110-010.

Statutory Authority for Adoption: RCW 50.12.010 and 50.12.040.

Adopted under notice filed as WSR 09-09-008 on April 2, 2009.

Changes Other than Editing from Proposed to Adopted Version: Typographical error corrected.

Number of Sections Adopted in Order to Comply with Federal Statute: New 0, Amended 0, Repealed 0; Federal Rules or Standards: New 1, Amended 1, Repealed 0; or Recently Enacted State Statutes: New 0, Amended 0, Repealed 0.

Number of Sections Adopted at Request of a Nongovernmental Entity: New 0, Amended 0, Repealed 0.

Number of Sections Adopted on the Agency's Own Initiative: New 0, Amended 0, Repealed 0.

Number of Sections Adopted in Order to Clarify, Streamline, or Reform Agency Procedures: New 0, Amended 0, Repealed 0.

Number of Sections Adopted Using Negotiated Rule Making: New 0, Amended 0, Repealed 0; Pilot Rule Making: New 0, Amended 0, Repealed 0; or Other Alternative Rule Making: New 0, Amended 0, Repealed 0.

Date Adopted: June 24, 2009.

Karen T. Lee
Commissioner

AMENDATORY SECTION (Amending WSR 07-22-055, filed 11/1/07, effective 12/2/07)

WAC 192-110-010 Applications for benefits by interstate claimants. (1) **What is an "interstate claimant"?** An "interstate claimant" is a person who files a claim for one state's unemployment benefits from another state. The state that pays your claim is called the "~~((liable))~~ paying state." For example:

(a) You are an interstate claimant if you live ~~((in Oregon))~~ outside of Washington and file a claim ~~((from Oregon for benefits that will be paid by))~~ against Washington. Washington will be the paying state on your claim.

(b) You are an interstate claimant if you live in Washington and file a claim ~~((in Washington for benefits that will be paid by Oregon))~~ against another state. The other state will be the paying state on your claim.

~~((c) You are NOT an interstate claimant if you live in Oregon but and file your claim for Washington benefits in Washington; this is because your claim was filed in the same state that will be paying your benefits.))~~

(2) **Where can I apply for benefits?** You can apply for benefits from any state, the District of Columbia, Puerto

Rico, the U.S. Virgin Islands, or Canada. However, if you served in the military ~~((or earned wages in more than one state))~~ during the past two years, you must physically be in the state of Washington to apply for benefits against Washington.

(3) **How do I apply for benefits?**

(a) Call the unemployment claims telecenter in Washington. If you worked in any state other than Washington within the last two years, an agent will help you decide which state will pay your claim.

(i) If Washington will pay your claim, ~~((we))~~ an agent will take your application for benefits over the telephone;

(ii) If another state will pay your claim, an agent will tell you how to file your claim with that state.

(b) If you worked only in Washington during the previous two years, you may apply for benefits on the internet.

(4) **Who decides if I am eligible for benefits?** Every state has its own laws which control eligibility for benefits. If you file a claim for Washington benefits, your eligibility for benefits will be decided by Washington state law even if you file from another state. If you file for benefits against another state, your eligibility for benefits will be decided under that state's laws.

(5) **When can I apply for benefits?** You can apply for benefits at any time, even if you are working. However, if you already have a valid claim in one state, you must continue with that claim as long as benefits are available before you can establish a new claim against another state. A "valid" claim is one that has not been denied, terminated, or the benefits exhausted (paid out).

(6) **How do I file an appeal?** If you wish to file an appeal about your claim, you must file it directly with the state that is paying your claim ~~((the state))~~:

(a) If Washington is paying your claim, use one of the filing methods listed in WAC 192-04-060. If mailed, your appeal will be considered filed on the postmarked date.

(b) If another state is paying your claim, ~~((mail))~~ file your appeal directly ~~((to))~~ with that state.

All appeal hearings will be conducted by the ~~((liable))~~ state that is paying your claim. The ~~((liable))~~ paying state will notify you of the date, time, and telephone number or location of the hearing.

Reviser's note: RCW 34.05.395 requires the use of underlining and deletion marks to indicate amendments to existing rules. The rule published above varies from its predecessor in certain respects not indicated by the use of these markings.

Reviser's note: The typographical error in the above section occurred in the copy filed by the agency and appears in the Register pursuant to the requirements of RCW 34.08.040.

NEW SECTION

WAC 192-110-112 Applying for a combined wage claim. (1) **What is a combined wage claim?** A combined wage claim is a claim based on wages earned in two or more states. For purposes of this section, "state" means the fifty states, the District of Columbia, Puerto Rico, and the U.S. Virgin Islands.

(2) **Where can I file a combined wage claim?** You can file a combined wage claim against any state in which you have base period wages and qualify for benefits based on

combining those wages with wages from another state(s). The state against which you file your claim will be the paying state.

(3) **What is the paying state?** The "paying state" is the state against which you file your combined wage claim. You must have base period employment in that state and qualify for unemployment benefits under that state's laws using combined employment and wages.

(4) **Can I file a combined wage claim against Washington?** Yes. To file a combined wage claim against Washington, you must have base period wages in Washington which, combined with your wages from another state(s), establish a valid Washington claim. If you file your claim against Washington, Washington will be the paying state.

(5) **Do I have to reside or physically be in Washington to file a combined wage claim?** No. The state where you are a resident is not relevant in deciding the paying state.

(6) **Who decides which state is the paying state for a combined wage claim?** You are responsible for deciding which state will be the paying state. If you are potentially eligible for a combined wage claim and contact the department, an agent will provide you with:

(a) General information about the combined wage program;

(b) Your options for filing a regular or combined wage claim against Washington or another state(s); and

(c) Contact information for other state(s) in which you worked during your base period.

(7) **Am I required to file a combined wage claim?** No. Filing a combined wage claim is voluntary. You may choose to file a claim using only wages from a single state.

WSR 09-15-023
PERMANENT RULES
OFFICE OF
INSURANCE COMMISSIONER

[Insurance Commissioner Matter No. R 2008-27—Filed July 7, 2009, 7:11 a.m., effective August 7, 2009]

Effective Date of Rule: Thirty-one days after filing.

Purpose: These rules amend the existing chemical dependency rules, chapter 284-53 WAC, to comply with the 2008 federal law, the Paul Wellstone and Pete Domenici Mental Health Parity and Addiction Equity Act of 2008. In addition, pursuant to the commissioner's review as required by WAC 284-53-010 (4)(b) the rules establish the new chemical dependency minimum benefit.

Citation of Existing Rules Affected by this Order: Amending WAC 284-53-005 and 284-53-010.

Statutory Authority for Adoption: RCW 48.02.060 and 48.21.197.

Other Authority: Mental Health Parity and Addiction Equity Act of 2008, Pub. L No 110-343 (Oct. 3, 2008).

Adopted under notice filed as WSR 09-10-083 on May 6, 2009.

A final cost-benefit analysis is available by contacting Donna Dorris, P.O. Box 40258, Olympia, WA 98504, phone (360) 725-7040, fax (360) 586-3109, e-mail DonnaD@oic.wa.gov.

Number of Sections Adopted in Order to Comply with Federal Statute: New 0, Amended 2, Repealed 0; Federal Rules or Standards: New 0, Amended 0, Repealed 0; or Recently Enacted State Statutes: New 0, Amended 0, Repealed 0.

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Number of Sections Adopted on the Agency's Own Initiative: New 0, Amended 1, Repealed 0.

Number of Sections Adopted in Order to Clarify, Streamline, or Reform Agency Procedures: New 0, Amended 0, Repealed 0.

Number of Sections Adopted Using Negotiated Rule Making: New 0, Amended 0, Repealed 0; Pilot Rule Making: New 0, Amended 0, Repealed 0; or Other Alternative Rule Making: New 0, Amended 2, Repealed 0.

Date Adopted: July 7, 2009.

Mike Kreidler
Insurance Commissioner

AMENDATORY SECTION (Amending Matter No. R 2003-08, filed 10/28/04, effective 11/28/04)

WAC 284-53-005 Definitions. (1) (~~"Chronic illnesses" include, but are not limited to, heart disease, diabetes, chronic obstructive pulmonary disease, and chemical dependency.~~

~~(2))~~ "Approved treatment program" means a discrete program of chemical dependency treatment provided by a treatment program certified by the department of social and health services as meeting standards adopted under chapter 70.96A RCW.

(2) "Chemical dependency" means the illness as defined in RCW 48.21.195.

(3) "Chemical dependency professional" means a person certified as a chemical dependency professional by the Washington state department of health under chapter 18.205 RCW.

(4) "Cost sharing" includes deductibles, copayments, coinsurance and out-of-pocket expenses.

(5) "Emergency medical condition" ~~((has))~~ means the ~~((same meaning))~~ condition as ~~((that contained))~~ defined in RCW 48.43.005.

~~((3))~~ (6) "Medically necessary" or "medical necessity," with respect to chemical dependency coverage ~~((, means as indicated in the))~~ is defined by the American Society of Addiction Medicine patient placement criteria. "Patient placement criteria" means the admission, continued service, and discharge criteria set forth in the most recent version of the Patient Placement Criteria for the Treatment of Substance Abuse-Related Disorders ~~((H))~~ as published ~~((in 1996))~~ by the American Society of Addiction Medicine.

(7) "Substance use disorder" as used in P.L. 110-343 (October 3, 2008) as currently enacted or hereafter amended (short title: The Paul Wellstone and Pete Domenici Mental Health Parity and Addiction Equity Act of 2008) includes those conditions meeting the definition of chemical dependency in RCW 48.21.195, 48.44.245, and 48.46.355.

(8) "Treatment limitation" includes limits on the frequency of treatment, number of visits, days of coverage, waiting periods, or other similar limits on the scope or duration of treatment.

AMENDATORY SECTION (Amending Matter No. R 2003-08, filed 10/28/04, effective 11/28/04)

WAC 284-53-010 Standards for coverage of chemical dependency. ~~((Coverage for chemical dependency))~~ Effective January 1, 2010, group health benefit plans providing chemical dependency benefits required by RCW 48.21-180, 48.44.240, or 48.46.350 must meet the following standards and administrative requirements((-):

(1) Any group contract providing coverage for chemical dependency benefits must define "chemical dependency" consistent with definitions in Title 48 RCW and this chapter.

(2) Coverage for chemical dependency benefits must include payment for reasonable charges for any medically necessary treatment and supporting service rendered to an enrollee by an approved treatment program.

(3) Cost sharing amounts for chemical dependency services may be no more than the cost sharing amounts for medical and surgical services otherwise provided under the health benefit plan. Cost sharing amounts must not be separate from those for medical and surgical benefits covered by the plan.

(4) Lifetime limits must apply to chemical dependency benefits in the same manner as medical and surgical benefits.

(5) Treatment limitation for chemical dependency services is allowed only if the same limitation or requirement is imposed on coverage for medical and surgical services. Benefits for actual treatment and services rendered may not be denied solely because a course of treatment was interrupted or was not completed.

(6) Medically necessary detoxification must be covered as an emergency medical condition according to RCW 48.43.093, and ((so long as a patient is not yet enrolled in other chemical dependency treatment, detoxification)) may be provided in hospitals licensed under chapter 70.41 RCW. Medically necessary detoxification services must not require prenotification, and may not be included when calculating payments within the chemical dependency payment minimum required in this chapter, as long as the enrollee is not yet enrolled in other chemical dependency treatment.

~~((2))~~ Coverage for chemical dependency must provide payment for reasonable charges for any medically necessary treatment and supporting services rendered to an enrollee by a provider that is an "approved treatment program" under RCW 70.96A.020(3). Medically necessary detoxification services may be provided in hospitals licensed under chapter 70.41 RCW.

(3) Except as prohibited by this chapter, chemical dependency coverage may be limited by provisions of the contract that apply to other benefits or services for chronic illnesses or disease including, but not limited to, provisions relating to enrollee point of service cost sharing. Denial of coverage may not be based on contract provisions that are not pertinent to the treatment of chemical dependency, such as provisions requiring a treatment program to have surgical facilities or approval by the joint commission on accreditation of hospitals, that there be a physician in attendance, or that the exact date of onset be known.

(4)(a) The minimum benefit for chemical dependency treatment and supporting services, exclusive of all cost sharing amounts in any consecutive twenty-four month period shall be as follows:

~~(i) For contracts issued or renewed January 1, 2005, through December 31, 2005, the benefit must be no less than twelve thousand five hundred dollars.~~

~~(ii) Each succeeding year from January 1, 2006, through December 31, 2009, the benefit must increase in increments of five hundred dollars for new and renewing contracts.~~

~~(b) No later than January 1, 2009, the commissioner shall begin a review of past benefit adjustments to determine if increases have been reasonable and to establish future minimum benefits. By June 30, 2009, the commissioner shall publish the new minimum benefit amounts for the period beginning January 1, 2010.~~

~~(5) Contracts subject to this rule must comply with the following requirements:~~

~~(a) Waiting periods or preexisting condition limitations on chemical dependency coverage may be no more restrictive than those that are imposed for any other chronic illness under the contract.~~

~~(b) Reasonable benefits for actual treatment and services rendered may not be denied solely because a course of treatment was interrupted or was not completed.~~

~~(c) Coverage may be limited to specific facilities only if the carrier provides or contracts for the provision of approved treatment programs under RCW 70.96A.020 that alone or in combination offer both inpatient and outpatient care and that comply with network adequacy requirements established in WAC 284-43-200. This right to limit coverage to specific facilities permits a carrier to limit diagnosis and treatment to that rendered by itself or by a facility to which it makes referrals, but, in either case, only if the facility is or is a part of an approved treatment program under RCW 70.96A.020.~~

~~(d) A carrier may require prenotification in all reasonable situations, and may require a second opinion if a second opinion is required under the contract for other chronic illnesses. Prenotification with respect to medically necessary detoxification services is not reasonable and may not be required.~~

~~(6))~~ (7) Carriers who provide benefits through a defined network must meet the network adequacy requirements set forth in WAC 284-43-200. Health benefit plans that allow for out-of-network benefits must apply them to chemical dependency services consistent with medical and surgical benefits.

(8)(a) In certain circumstances, the carrier may require the enrollee to provide an initial assessment of the need for chemical dependency treatment and a treatment plan prior to scheduled treatment. ((This will enable the carrier to make its own evaluation of medical necessity.)) The assessment ((is)) may be at the enrollee's expense and must be provided no less than ten and no more than thirty working days before treatment is to begin. The circumstances are:

(i) Where an enrollee is court ordered to undergo a chemical dependency assessment or treatment;

(ii) Situations related to deferral of prosecution, deferral of sentencing or suspended sentencing; or

(iii) Situations pertaining to motor vehicle driving rights and the Washington state department of licensing.

(b) For the initial assessment in (a) of this subsection, the enrollee may choose any individual that is:

(i) Certified as a chemical dependency professional (~~under chapter 246-811 WAC~~); and

(ii) Employed by an approved treatment program (~~under chapter 70.96A RCW~~).

(c) Nothing in this chapter requires a carrier to pay for court ordered chemical dependency treatment that is not medically necessary, or relieves a carrier from its obligations to pay for court ordered chemical dependency treatment when it is medically necessary.

~~((7))~~ (9) Unless chemical dependency treatment is determined not to be medically necessary, or except as otherwise specifically provided in this chapter, contractual provisions may not restrict access to treatment, continuity of care or payment of claims.

~~((8) Any contract that provides coverage for chemical dependency must define "chemical dependency" consistent with the definitions contained in Title 48 RCW.)~~ (10)(a) The minimum benefit for chemical dependency treatment and supporting services, exclusive of all cost sharing amounts in any consecutive twenty-four-month period must be as follows:

(i) For contracts issued or renewed January 1, 2010, through December 31, 2010, the benefit must not be less than fifteen thousand dollars.

(ii) Each succeeding year from January 1, 2011, through December 31, 2015, the benefit must increase in increments of not less than five hundred dollars for new and renewing contracts.

(b) By January 1, 2015, the commissioner must begin a technical review that includes the actual and projected costs of the benefits and the consumer price index to establish the future minimum benefits for the five-year period beginning January 1, 2016. The commissioner must publish the new minimum benefit amounts by June 30, 2015.

WSR 09-15-035
PERMANENT RULES
DEPARTMENT OF
FISH AND WILDLIFE

[Order 09-133—Filed July 8, 2009, 8:23 a.m., effective August 8, 2009]

Effective Date of Rule: Thirty-one days after filing.

Purpose: Amend rules for recreational marine and freshwater salmon fishing, which includes WAC 220-56-116, 220-56-124, 220-56-195, 232-28-619, 232-28-620, and 232-28-621.

Citation of Existing Rules Affected by this Order: Amending WAC 220-56-116, 220-56-124, 220-57-195, 232-28-619, 232-28-620, and 232-28-621.

Statutory Authority for Adoption: RCW 77.12.047 and 77.04.020.

Adopted under notice filed as WSR 09-11-128 on May 20, 2009.

Number of Sections Adopted in Order to Comply with Federal Statute: New 0, Amended 0, Repealed 0; Federal Rules or Standards: New 0, Amended 0, Repealed 0; or Recently Enacted State Statutes: New 0, Amended 0, Repealed 0.

Number of Sections Adopted at Request of a Nongovernmental Entity: New 0, Amended 0, Repealed 0.

Number of Sections Adopted on the Agency's Own Initiative: New 0, Amended 6, Repealed 0.

Number of Sections Adopted in Order to Clarify, Streamline, or Reform Agency Procedures: New 0, Amended 0, Repealed 0.

Number of Sections Adopted Using Negotiated Rule Making: New 0, Amended 0, Repealed 0; Pilot Rule Making: New 0, Amended 0, Repealed 0; or Other Alternative Rule Making: New 0, Amended 0, Repealed 0.

Date Adopted: July 7, 2009.

Philip Anderson
Director

AMENDATORY SECTION (Amending Order 08-165, filed 7/3/08, effective 8/3/08)

WAC 220-56-116 Statewide saltwater hook rules. (1)

It is unlawful to use more than two hooks to fish in saltwater, except for forage fish jigger gear and squid jig gear, and when fishing from the north jetty of the Columbia River.

(2) It is unlawful to use barbed hooks in Marine Areas 5-13, except for forage fish jigger gear.

(3) It is unlawful to use other than one single-point barbless hook to fish for sturgeon.

(4) It is unlawful to use other than single-point barbless hooks to fish for salmon in Marine Areas 1-13, except in the Ocean Shores and Westport Boat Basins, and in Marine Area 2-1 from August 1 through January 31, as provided for in this section.

(5) It is unlawful to fish for or possess salmon taken with terminal gear hooks in violation of (~~nonbuoyant lure restrictions~~) anti-snagging rule in the following saltwater areas during the periods indicated:

(a) Budd Inlet waters south of a line projected true west from the KGY radio station to the mainland and north of the closed zone provided for in WAC 220-56-128 - July 16 through October 31.

(b) Ocean Shores Boat Basin - August 16 through January 31.

(c) Westport Boat Basin - August 16 through January 31.

(6) It is unlawful to use forage fish jig gear (~~or other than one single-point barbless hook~~), and anti-snagging rule and night closure in effect, in the Duwamish Waterway downstream from the First Avenue South Bridge to an east-west line through Southwest Hanford Street on Harbor Island parallel to Southwest Spokane Street where it crosses Harbor Island - July 1 through October 31.

(7) Use of gear in violation of this section is an infraction, punishable under RCW 77.15.160.

(8) It is unlawful to possess fish or shellfish taken with gear in violation of the provisions of this section. Possession of fish or shellfish while using gear in violation of the provisions of this section is a rebuttable presumption that the fish or shellfish were taken with such gear. Possession of such fish or shellfish is punishable under RCW 77.15.380 Unlawful recreational fishing in the second degree—Penalty, unless the fish or shellfish are taken in the amounts or manner to

constitute a violation of RCW 77.15.370 Unlawful recreational fishing in the first degree—Penalty.

AMENDATORY SECTION (Amending Order 08-165, filed 7/3/08, effective 8/3/08)

WAC 220-56-124 Unlawful provisions—Hoodsport Hatchery. During the period July 1 through December 31, those waters of Catch Record Card Area 12 within a 2,000 foot arc seaward of yellow buoys at the mouth of Finch Creek at the Hoodsport Salmon Hatchery are regulated as provided for in this section:

(1) These waters are open to salmon angling regardless of the status of the surrounding waters of Area 12.

(2) Special daily limit of four salmon, of which no more than two salmon may be chinook salmon greater than 24 inches in length (~~(, and no more than two may be coho)~~). Release chum salmon July 1 through October 15.

(3) It is unlawful to fish for or possess salmon taken from these waters from one hour after sunset to one hour before sunrise.

AMENDATORY SECTION (Amending Order 08-165, filed 7/3/08, effective 8/3/08)

WAC 220-56-195 Closed areas—Saltwater salmon angling. The following areas shall be closed to salmon angling during the times indicated:

(1) Bellingham Bay: Those waters of Bellingham, Samish and Padilla Bays southerly of a line projected from the most westerly point of Gooseberry Point to Sandy Point, easterly of a line from Sandy Point to Point Migley thence along the eastern shoreline of Lummi Island to Carter Point, thence to the most northerly tip of Vendovi Island thence to Clark Point on Guemes Island thence following the shoreline to Yellow Bluff on the southwest corner of Guemes Island thence to Yellow Bluff Reef range marker thence to the ferry terminal dock east of Shannon Point and north of the Burlington Railroad Bridges at the north end of Swinomish Slough shall be closed to salmon angling April 1 through April 30 and July 1 through August 15.

(2) Carr Inlet: Those waters of Carr Inlet within 1,000 feet of the outer oyster stakes at the mouth of Minter Creek are closed to salmon angling April 16 through September 30.

(3) Dungeness Bay: Those waters westerly of a line from Dungeness Spit Light to the number 2 red Buoy, and then to the Port Williams boat ramp are closed to salmon angling May 1 through September 30 and November 1 through April 30.

(4) Samish Bay: Those waters southerly of a line projected true east from Fish Point are closed to salmon angling April 1 through April 30 and August 1 through October 15.

(5) Columbia River Mouth Control Zone 1: Washington waters within Control Zone 1, which Control Zone is described as an area at the Columbia River mouth bounded on the west by a line running northeast/southwest between the red lighted Buoy #4 (46°13'35" N/124°06'50" W) and the green lighted Buoy #7 (46°15'09" N/124°06'16" W); on the east by the Buoy #10 line which bears north/south at 357° true from the south jetty at 46°14'00" N/124°03'07" W to its

intersection with the north jetty; on the north by a line running northeast/southwest between the green lighted Buoy #7 to the tip of the north jetty (46°14'48" N/124°05'20" W) and then along the north jetty to the point of intersection with the Buoy #10 line; and on the south by a line running northeast/southwest between the red lighted Buoy #4 and the tip of the south jetty (46°14'03" N/124°04'05" W) and then along the south jetty to the point of intersection with the Buoy #10 line are closed to salmon angling at all times except open to fishing from the north jetty when adjacent waters north of the Control Zone are open to salmon angling or the Buoy 10 fishery is open.

(6) Commencement Bay: Those waters east of a line projected from the Sperry Ocean Dock to landfall below the Cliff House Restaurant on the north shore of Commencement Bay are closed April 1 through April 30 and June 1 through July 31.

(7) Southern Rosario Strait and eastern Strait of Juan de Fuca: Waters of Area 7 in Rosario Strait and the eastern portion of the Strait of Juan de Fuca southerly of a line running true south from the westernmost point on Fidalgo Head to Burrows Island, then westerly and southerly along the shore of Burrows Island to the Burrows Island Lighthouse, then to Bird Rocks, then westerly from Bird Rocks to the southernmost point on Decatur Island, then across Lopez Pass to Lopez Island and following the shore of Lopez Island southerly and westerly to Iceberg Point, then from Iceberg Point to Cattle Point, then south southwest to the Salmon Bank Buoy, and then true south from the Salmon Bank Buoy to the Area 7 boundary - Closed to fishing for salmon July 1 - September 30.

(8) Kydaka Point - waters south of a line from Kydaka Point to Shipwreck Point are closed to fishing for salmon July 1 through September 30.

(9) Port Angeles Harbor - waters westerly of a line from the tip of Ediz Hook to the I.T.T. Rayonier Dock are closed to fishing for salmon from July 1 through August 31.

(10) Grays Harbor Control Zone: Waters within a line from the lighthouse one mile south of the south jetty, thence to Buoy number 2, thence to Buoy number 3, thence to the tip of the north jetty, thence to the exposed end of the south jetty, thence following the south jetty and shoreline to the lighthouse closed to fishing for salmon August 1 through September 30.

AMENDATORY SECTION (Amending Order 09-27, filed 2/25/09, effective 5/1/09)

WAC 232-28-619 Washington food fish and game fish—Freshwater exceptions to statewide rules. (1) All freshwater streams and lakes not listed as open for salmon fishing are closed.

(2) Freshwater terminal gear restrictions: In all waters with freshwater terminal gear restrictions, including, but not limited to, selective gear rules, whitefish gear rules, single point barbless hooks required, fly-fishing only, and anti-snagging rules, violation of the gear rules is an infraction, punishable under RCW 77.15.160. It is unlawful to possess fish taken with gear in violation of the freshwater terminal gear restrictions. Possession of fish while using gear in viola-

tion of the freshwater terminal gear restrictions is a rebuttable presumption that the fish were taken with such gear. Possession of such fish is punishable under RCW 77.15.380 Unlawful recreational fishing in the second degree, unless the fish are taken in the amounts or manner to constitute a violation of RCW 77.15.370 Unlawful recreational fishing in the first degree.

(3) County freshwater exceptions to statewide rules:

(a) Adams and Grant counties: All seasons in specific freshwater exceptions to statewide rules apply to inlet and outlet streams of named lakes in Grant and Adams counties.

(b) Adams, Douglas, Franklin, Grant, and Okanogan counties, except Zosel Dam (Okanogan River): Lawful to fish to base of all dams.

(c) Benton County: Rivers, streams and beaver ponds open year around.

(d) Ferry and Lincoln counties: Except those tributaries listed under specific water exceptions to statewide rules, all tributaries to Lake Roosevelt between Grand Coulee Dam and the State Highway 25 Bridge at Northport except Barnaby and Nancy creeks: Saturday before Memorial Day through October 31 season. Trout: Daily limit 5, no minimum size.

(e) Kitsap County and Mason County on Tahuya Peninsula west of Belfair-Bremerton Highway (S.R. 3): Beaver ponds: Last Saturday in April through October 31 season. Trout: No minimum length.

(4) Specific freshwater exceptions to statewide rules:

Aberdeen Lake (Grays Harbor County): Last Saturday in April through October 31 season. Trout: No more than two over 15 inches in length may be retained per day.

Abernathy Creek (Cowlitz County):

From mouth to a point five hundred feet downstream from salmon hatchery: The first Saturday in June through August 31 and November 1 through March 15 season. Trout: Release all fish except up to two hatchery steelhead may be retained per day.

From Abernathy Falls to posted markers five hundred feet downstream from salmon hatchery: Closed waters.

Aeneas Lake (Okanogan County): Last Saturday in April through October 31 season. Fly fishing only. Fishing from a floating device equipped with a motor prohibited. Trout: Daily limit one.

Ahtanum Creek, including North and Middle Forks (Yakima County): Selective gear rules. North Fork from Grey Rock Trailhead Bridge crossing to Shellneck Creek: Closed waters.

Alder Creek (Cowlitz County): Closed waters.

Aldrich Lake (Mason County): Last Saturday in April through October 31 season.

Aldwell Lake (Clallam County): Last Saturday in April through October 31 season. Selective gear rules except fishing from a floating device equipped with an internal combustion motor permitted. Trout: Daily limit two, minimum length twelve inches.

Alexander Lake (Kitsap County): Closed waters.

Alkali Lake (Grant County): Crappie: Not more than five greater than eight inches in length. Bluegill: Not more than five greater than six inches in length.

Alta Lake (Okanogan County): Last Saturday in April through September 30 season.

Amber Lake (Spokane County): Last Saturday in April through September 30 season. Selective gear rules. Trout: Daily limit two, minimum length fourteen inches; release rainbow trout with a clipped adipose fin and a healed scar at the site of the clipped fin. Additional season October 1 through November 30 and March 1 through Friday before last Saturday in April. Selective gear rules. All species: Release all fish.

American Lake (Pierce County): Chumming permitted.

American River (Yakima County): Closed waters: From Highway 410 Bridge at river mile 5.4 to the Mesatchee Creek Trail crossing at river mile 15.8 July 16 through September 15. Selective gear rules.

Anderson Lake (Jefferson County): Last Saturday in April through October 31 season. Fishing from a floating device equipped with an internal combustion motor prohibited. From September 1 through October 31, selective gear rules and trout: Release trout.

Armstrong Lake (Snohomish County): Last Saturday in April through October 31 season.

Asotin Creek, mainstem and forks (Asotin County): Closed to fishing for steelhead.

From SR 129 Bridge upstream to the forks: Lawful to fish up to base of Headgate Dam.

North Fork from mouth upstream to USFS boundary: Selective gear rules.

North Fork from USFS boundary upstream and all other tributaries: Closed waters.

South Fork and tributaries: Closed waters.

B.C. Mill Pond (Stevens County): Last Saturday in April through October 31 season.

Bachelor Creek (Yakima County): Year around season. Trout: Daily limit five, no minimum length.

Badger Lake (Spokane County): Last Saturday in April through September 30 season.

Baker Lake (Whatcom County): Last Saturday in April through October 31 season, except closed waters in an area two hundred feet in radius around the pump discharge at the south end of the lake. Chumming permitted. Trout: Minimum length six inches and maximum length eighteen inches.

Baker River (Skagit County): Mouth to Highway 20 Bridge: September 1 through October 31 season. Anti-snagging rule and night closure. Trout: Minimum length fourteen inches, except Dolly Varden/Bull Trout. Legal to retain Dolly Varden/Bull Trout as part of the trout daily limit, minimum length twenty inches. ~~((Salmon: Open only June 14 through July 31 except closed 12:01 a.m. June 30 through 2:00 p.m. July 2 and 12:01 a.m. July 9 through 2:00 p.m. July 11. Anti-~~

~~snagging rule and night closure. Daily limit 2 sockeye salmon.))~~

Highway 20 Bridge to Baker River fish barrier dam: Closed waters ((~~except for salmon. Salmon: Open only June 14 through July 31 from Highway 20 Bridge upstream 250 feet. Daily limit 2 sockeye salmon. Anti-snagging rule and night closure~~)).

Banks Lake (Grant County): Chumming allowed. Perch: Daily limit twenty-five. Crappie: Daily limit 10, minimum size 9 inches in length.

Barnaby Slough (Skagit County): Closed waters.

Battle Ground Lake (Clark County): Fishing from a floating device equipped with an internal combustion motor prohibited. Trout: No more than 2 trout 20 inches or greater in length may be retained.

Bay Lake (Pierce County): Last Saturday in April through October 31 season.

Bayley Lake (Stevens County): Last Saturday in April through July 4 season. Fly fishing only. Fishing from a floating device equipped with a motor prohibited. Trout: Daily limit one, minimum length fourteen inches. Additional season, July 5 through October 31. Fly fishing only. Fishing from a floating device equipped with a motor prohibited. All species: Release all fish. Inlet stream: Closed waters.

Bear Creek (Yakima County), tributary to South Fork Tieton River: From the mouth to the falls (approximately 3/4 mile): Closed waters.

Bear Lake (Spokane County): Juveniles, holders of disability licenses, and licensed adults accompanied by a juvenile only.

Bear River (Pacific County): The first Saturday in June through March 31 season. Anti-snagging rule and night closure August 16 through November 30. Single point barbless hooks required August 16 through November 30 downstream from the Lime Quarry Road. All species: Release all fish except salmon and except up to two hatchery steelhead may be retained each day. From the Lime Quarry Road to the Longview Fiber Bridge: Selective gear rules the first Saturday in June through March 31. All species: Release all fish, except up to two hatchery steelhead may be retained ((~~each~~)) per day. Salmon: Open only September 1 through November 30 from mouth to Lime Quarry Road. Daily limit 6 fish of which no more than 2 may be adult fish and of these two fish no more than one may be a wild adult coho. Release chum and adult Chinook. Upstream of Longview Fiber Bridge: Closed waters.

Beaver Creek (tributary to Elochoman River) (Wahkiakum County): Closed waters.

Beaver Lake (Clallam County): Selective gear rules. Trout: Maximum size 12 inches in length.

Beaver Lake (Columbia County): March 1 through October 31 season. Fishing from any floating device prohibited.

Beda Lake (Grant County): Selective gear rules. Trout: Daily limit one fish.

Beehive (Lake) Reservoir (Chelan County): Last Saturday in April through October 31 season. July 5 through October 31, selective gear rules, and all species: Release all fish.

Bennington Lake (Mill Creek Reservoir) (Walla Walla County): Fishing from a floating device equipped with an internal combustion motor prohibited. Trout: No more than 2 trout over 13 inches in length may be retained.

Benson Lake (Mason County): Last Saturday in April through October 31 season.

Berry Creek (tributary to Nisqually River) (Lewis County): Selective gear rules.

Big Bear Creek (tributary of Sammamish River) (Snohomish/King counties): The first Saturday in June through August 31 season. Juveniles only.

Big Beaver Creek (Whatcom County):

From closed water markers on Ross Lake upstream one-quarter mile: Closed waters.

From one-quarter mile markers upstream, including tributary streams, and beaver ponds that are tributary to Big Beaver Creek: July 1 through October 31 season. Selective gear rules. All species: Release all fish.

Big Beef Creek (Kitsap County): The first Saturday in June through August 31 season. Closed waters August 1 through August 31: Waters within 100 feet of the Seabeck Highway NW Bridge. Selective gear rules. All species: Release all fish.

Big Four Lake (Columbia County): March 1 through October 31 season. Fly fishing only. Fishing from any floating device prohibited. Trout: Daily limit two.

Big Lake (Skagit County): Crappie: Daily limit ten, minimum length nine inches. Salmon: Landlocked salmon rules apply.

Big Meadow Lake (Pend Oreille County): Last Saturday in April through October 31 season.

Big Quilcene River (Jefferson County):

From mouth to upper boundary of Falls View Campground: All game fish: Release all fish. From mouth to Rodgers Street selective gear rules the first Saturday in June through August 15 and closed waters August 16 through October 31. Rodgers Street to the Highway 101 Bridge: Selective gear rules the first Saturday in June through August 15, one single point barbless hook August 16 through October 31, and night closure August 16 through October 31. From electric weir to upper boundary of Falls View Campground: Selective gear rules. Salmon: Open only August 16 through October 31 from Rodgers Street to the Highway 101 Bridge. Daily limit 4 coho salmon. Only coho salmon hooked inside the mouth may be retained.

From Highway 101 Bridge upstream to the electric weir at the Quilcene National Fish Hatchery: Closed waters.

Big River (Clallam County): The first Saturday in June through last day in February season. Selective gear rules. Trout: Minimum length fourteen inches.

Big Tiffany Lake (Okanogan County): Trout: Eastern brook trout not counted in daily trout limit. Eastern brook trout daily limit ten. Release all cutthroat.

Big Twin Lake (Okanogan County): Last Saturday in April through October 31 season. Selective gear rules. Trout: Daily limit one.

Bird Creek (Klickitat County): Trout: Daily limit five.

Black Lake (Okanogan County): Selective gear rules.

Black Lake (Pacific County): Last Saturday in April through October 31 season.

Black Lake (Stevens County): Last Saturday in April through October 31 season.

Black Lake (Thurston County): Crappie: Daily limit ten, minimum length nine inches.

Black River (Thurston County), from mouth to Black Lake and including all tributaries west of Interstate Highway 5, including Waddell Creek, Mima Creek, Dempsey Creek, Beaver Creek, Salmon Creek and Blooms Ditch: Selective gear rules. Trout: Minimum length fourteen inches.

Blockhouse Creek (Klickitat County): Trout: Daily limit five.

Bloodgood Creek (Klickitat County): Trout: Daily limit five.

Blue Creek (Lewis County), from mouth to Spencer Road: Closed waters except December 1 through December 31 season from mouth to posted sign at rearing pond outlet. Closed waters: Upstream from cable crossing to posted signs at fence. Anti-snagging rule and night closure. Only anglers who permanently use a wheelchair may fish from posted signs above rearing pond to posted signs approximately 40 feet downstream at fence including the rearing pond outlet. Trout: Daily limit five. Minimum size 12 inches no more than two fish over 20 inches. Release wild cutthroat, wild steelhead and hatchery steelhead with clipped right ventral fin.

Blue Lake (Columbia County): March 1 through October 31 season. Fishing from any floating device prohibited. Trout: No more than 2 trout over 13 inches in length may be retained.

Blue Lake (Cowlitz County): Last Saturday in April through October 31 season. Selective gear rules. All species: Release all fish.

Blue Lake (Grant County): Last Saturday in April through September 30 season.

Blue Lake (near Sinlahekin) (Okanogan County): Last Saturday in April through October 31 season. Selective gear rules. Trout: Daily limit one.

Blue Lake (near Wannacut Lake) (Okanogan County): Last Saturday in April through October 31 season. Selective gear rules. Trout: Daily limit one.

Bobcat Creek and Ponds (Adams County): April 1 through September 30 season.

Bogachiel River (Clallam County), from mouth to Olympic National Park boundary: The first Saturday in June through April 30 season. December 1 through April 30, selective gear rules from Highway 101 to Olympic National Park boundary. Trout: Minimum length fourteen inches. November 1 through last day in February, daily limit three steelhead downstream from Highway 101 Bridge. December 1 through April 30, mouth to Highway 101, one wild steelhead per day may be retained. Salmon: Open only July 1 through November 30 from mouth to Highway 101 Bridge. July 1 through August 31, daily limit 6 fish of which no more than 2 may be adult salmon ((July 1 through August 31 and of which no more than 3 may be adult salmon September 1 through November 30. July 1 through August 31 release wild adult coho and wild adult Chinook. September 1 through October 31 the daily limit may contain no more than 2 adult Chinook, release wild adult coho, and selective gear rules. November 1 through November 30 the daily limit may contain no more than 2 adult Chinook or 2 adult wild coho or a combination of adult Chinook and adult wild coho)). Release wild adult Chinook and wild adult coho. September 1 through November 30, daily limit 6 fish of which no more than 4 may be adult salmon, and of the 4 adult salmon, no more than 2 may be any combination of Chinook, wild coho, pink, sockeye, and chum salmon.

Bonaparte Lake (Okanogan County): Trout: No more than one over twenty inches in length may be retained.

Bosworth Lake (Snohomish County): Last Saturday in April through October 31 season.

Boulder Creek and tributaries (Okanogan County): Trout: Eastern brook trout not counted in daily trout limit. Eastern brook trout daily limit ten, no minimum size. Release all cutthroat.

Boundary Creek (Clallam County): Closed waters.

Bowman Creek (Klickitat County): Trout: Daily limit five.

Box Canyon Creek (Kittitas County), from mouth to waterfall approximately 2 miles upstream (including the portion flowing through the dry lakebed): Closed waters. From waterfall approximately 2 miles upstream of mouth to USFS Road #4930 Bridge: Selective gear rules.

Boxley Creek (North Bend) (King County), from its mouth to the falls located at approximately river mile 0.9: Closed waters.

Boyle Lake (King County): Last Saturday in April through October 31 season. The inlet and outlet streams to Boyle Lake are closed waters.

Bradley Lake (Pierce County): Salmon: Landlocked salmon rules apply. May 15 through the last day of Free Fishing Weekend (as defined in WAC 220-55-160): Juveniles only.

Bridges Lake (King County): Last Saturday in April through October 31 season. The inlet and outlet streams to Bridges Lake are closed waters.

Brookies Lake (Grant County): Selective gear rules. Trout: Daily limit one fish.

Browns Creek (Pend Oreille County): Fly fishing only.

Browns Lake (Pend Oreille County): Last Saturday in April through October 31 season. Fly fishing only. Fishing from a floating device equipped with a motor prohibited. Trout: No more than one fish greater than 11 inches in length may be retained.

Buck Lake (Kitsap County): Last Saturday in April through October 31 season.

Buckskin Creek and tributaries (Yakima County), from mouth to the west boundary of Suntides Golf Course: Closed waters.

Bumping Lake (Reservoir) (Yakima County): Chumming permitted. Trout: Kokanee not counted in daily trout limit. Kokanee daily limit sixteen.

Bumping River (Yakima County):

From mouth to Bumping Reservoir: Lawful to fish to base of Bumping Dam. Selective gear rules the first Saturday in June through October 31. Whitefish: Additional December 1 through March 31 season. Whitefish gear rules apply.

Burbank Slough (Walla Walla County): Fishing from any floating device prohibited.

Burke Lake (Grant County): March 1 through July 31 season.

Burley Creek (Kitsap County): Trout: Minimum length fourteen inches.

Butter Creek (Lewis County): Selective gear rules. Trout: Minimum length ten inches.

Buttermilk Creek, mouth to confluence of East and West Forks (Okanogan County): Closed waters.

Cady Lake (Mason County): Fly fishing only. Fishing from a floating device equipped with an internal combustion motor prohibited. All species: Release all fish.

Cain Lake (Whatcom County): Last Saturday in April through October 31 season.

Calawah River (Clallam County), from mouth to forks: The first Saturday in June through April 30 season. December 1 through April 30, selective gear rules from Highway 101 to forks. Trout: Minimum length fourteen inches. November 1 through last day in February, daily limit three steelhead from mouth to Highway 101 Bridge. December 1 through April 30, mouth to Highway 101, one wild steelhead per day may be retained. Salmon: Open only July 1 through November 30 from mouth to Highway 101 Bridge. (~~Daily limit 6 fish of which no more than 2 may be adult salmon July 1 through August 31 and of which no more than 3 may be adult salmon September 1 through November 30. July 1 through August 31 release wild adult coho and wild adult Chinook. September 1 through October 31 the daily limit may contain no more than 2 adult Chinook, release wild adult coho, and selective gear rules. November 1 through November 30 the daily limit may contain no more than 2 adult Chinook or 2 adult wild coho or~~

~~a combination of adult Chinook and adult wild coho.)) July 1 through August 31, daily limit 6 fish of which no more than 2 may be adult salmon. Release wild adult Chinook and wild adult coho. September 1 through November 30, daily limit 6 fish of which no more than 4 may be adult salmon, and of the 4 adult salmon, no more than 2 may be any combination of Chinook, wild coho, pink, sockeye, and chum salmon.~~

Calawah River, South Fork (Clallam County) from mouth to Olympic National Park boundary: The first Saturday in June through last day in February season. December 1 through last day in February, selective gear rules. Trout: Minimum length fourteen inches.

Caldwell Lake (Pend Oreille County): Last Saturday in April through October 31 season. Fishing from a floating device equipped with an internal combustion motor prohibited. Trout: Daily limit two, minimum length twelve inches.

Caliche Lakes, Lower, Upper and West (Grant County): March 1 through July 31 season.

Calispell Creek (Calispell River) (Pend Oreille County):

From mouth to Calispell Lake: Year around season.

From Calispell Lake upstream to source: Selective gear rules.

Calispell Creek and tributaries: Trout: Eastern brook trout not counted in daily trout limit. Eastern brook trout daily limit ten. Once the daily limit of trout other than eastern brook trout has been achieved, the entire daily limit for trout other than eastern brook trout and eastern brook trout has been taken.

Calligan Lake (King County): June 1 through October 31 season. All tributary streams, and the upper third of the outlet are closed waters.

Camas Slough: Waters of the Columbia River downstream from the mouth of the Washougal River, north of Lady Island, and downstream of the Highway 14 Bridge at the upstream end of Lady Island. Season: Open when the adjacent mainstem Columbia or Washougal rivers are open to fishing for salmon. Daily limit same as most liberal regulation of either area.

Campbell Creek (Mason County): Closed waters.

Campbell Lake (Okanogan County): April 1 through August 31: Selective gear rules and all species: Release all fish.

Campbell Lake (Skagit County): Crappie: Daily limit ten, minimum length nine inches.

Canyon Creek (Clark County): Trout: Daily limit five.

Canyon River (Mason County and Grays Harbor County): Closed waters.

Canyon Creek (S.F. Stillaguamish River) (Snohomish County), mouth to forks: The first Saturday in June through last day in February season. Trout: Minimum length fourteen inches.

Canyon Creek (Whatcom County): Closed waters: Mouth to Canyon Creek Road Bridge.

Capitol Lake (Thurston County), from its outlet to a point four hundred feet below the lowest Tumwater Falls (Deschutes River) fish ladder: Closed waters: Percival Cove, west of a set of markers on the western shoreline of the south basin of Capitol Lake. The first Saturday in June through March 31 season. Anti-snagging rule and night closure August 1 through November 30. Trout: The first Saturday in June through July 31 daily limit five, minimum length eight inches. August 1 through March 31 daily limit two, minimum length fourteen inches. Salmon: Open only July 1 through October 15. Daily limit 6 fish of which no more than 2 may be adult salmon. Release coho.

Carbon River (Pierce County), from its mouth to Voight Creek: September 1 through last day in February season. Anti-snagging rule, night closure and single point barbless hooks September 1 through November 30. Trout: Minimum length fourteen inches. Voight Creek to Highway 162 Bridge: July 1 through August 15 and December 1 through last day in February season: Trout: Minimum length 14 inches. Salmon: Open only September 1 through November 30 mouth to Voight Creek. Daily limit 6 fish of which no more than 4 may be adult salmon and of these 4 fish no more than 2 may be adult hatchery Chinook. Release chum and wild adult Chinook salmon.

Carlisle Lake (Lewis County): Last Saturday in April through last day in February season. Fishing from a floating device equipped with an internal combustion motor prohibited. Salmon: Landlocked salmon rules apply.

Carl's Lake (Pend Oreille County): Last Saturday in April through October 31 season.

Carney Lake (Pierce County): Last Saturday in April through June 30 and September 1 through November 30 seasons. Fishing from a floating device equipped with an internal combustion motor prohibited. Salmon: Landlocked salmon rules apply.

Carson Lake (Mason County): Last Saturday in April through October 31 season.

Cascade Lake (Grant County): March 1 through July 31 season.

Cascade Lake (San Juan County): Last Saturday in April through October 31 season.

Cascade River (Skagit County):

From the mouth to the Rockport-Cascade Road Bridge: June 1 through July 15 and September 16 through last day in February season. All species: Anti-snagging rule and night closure June 1 through July 15 and September 16 through November 30. Trout: Trout except Dolly Varden/Bull Trout, minimum length fourteen inches. Legal to retain Dolly Varden/Bull Trout as part of the trout daily limit, minimum length twenty inches. Salmon: Open June 1 through July 15. Daily limit 4 hatchery Chinook, of which no more than 2 may be adult hatchery Chinook. Open September 16 through November 30. Daily limit 4 coho salmon.

From the Rockport-Cascade Road Bridge upstream: The first Saturday in June through last day in February season.

Selective gear rules. All species: Release all fish except up to two hatchery steelhead may be retained per day.

Cases Pond (Pacific County): Last Saturday in April through November 30 season. Juveniles only. Salmon: Landlocked salmon rules apply.

Cassidy Lake (Snohomish County): Crappie: Daily limit ten, minimum length nine inches.

Castle Lake (Cowlitz County): Selective gear rules. Trout: Daily limit one, minimum length sixteen inches.

Cattail Lake (Grant County): April 1 through September 30 season.

Cavanaugh Lake (Skagit County): Chumming permitted.

Cedar Creek (tributary of N.F. Lewis) (Clark County), from mouth to 100 feet upstream of the falls: From the Grist Mill Bridge to 100 feet upstream of the falls: Closed waters. The first Saturday in June through March 15 season. Trout: Release all fish except up to two hatchery steelhead may be retained per day.

Cedar Creek (Jefferson County): The first Saturday in June through last day in February season. Selective gear rules. Trout: Minimum length fourteen inches.

Cedar Creek (Okanogan County), from mouth to Cedar Falls: Closed waters.

Cedar Creek and tributaries (Pend Oreille County): Trout: Eastern brook trout not counted in daily trout limit. Eastern brook trout daily limit ten. Once the daily limit of trout other than eastern brook trout has been achieved, the entire daily limit for trout other than eastern brook trout and eastern brook trout has been taken.

Cedar Lake (Stevens County): Last Saturday in April through October 31 season.

Cedar River (King County), from mouth to Landsburg Road: The first Saturday in June through August 31 season. Selective gear rules and night closure. Trout: Release all trout. Landsburg Road to Cedar Falls: Closed waters.

Cedar River (Pacific County): Selective gear rules. All species: Release all fish except up to two hatchery steelhead per day may be retained.

Chain Lake (Pend Oreille County): Last Saturday in April through October 31 season. Release kokanee.

Chambers Creek (Pierce County): July 1 through November 15 season. All species: Selective gear rules and night closure. Trout: Release all trout.

Chambers Creek Estuary (downstream from markers 400 feet below the Boise-Cascade Dam to the Burlington Northern Railroad Bridge) (Pierce County): July 1 through November 15 season. Night closure and anti-snagging rule. Trout: Minimum length fourteen inches. Salmon: Open only July 1 through November 15. Daily limit 6 fish of which no more than 2 may be adult salmon. Release wild coho.

Chambers Lake (within Ft. Lewis Military Reservation) (Pierce County): Selective gear rules. Trout: Release all trout.

Chaplain Lake (Snohomish County): Closed waters.

Chapman Lake (Spokane County): Last Saturday in April through October 31 season. Chumming permitted. Trout: Kokanee not counted in daily trout limit. Kokanee daily limit ten.

Chehalis River (Grays Harbor County), from Highway 101 Bridge in Aberdeen to high bridge on Weyerhaeuser 1000 line (approximately 400 yards downstream from Roger Creek): The first Saturday in June through April 15 season. Single point barbless hooks required August 16 through November 30. Trout: Minimum length fourteen inches. Salmon: ~~((Open September 16 through September 30 from mouth to Lakeside Industries Tower in Aberdeen, approximately 1.25 miles upstream of mouth. Daily limit 6 fish, of which no more than 2 may be adult salmon, and of which only 1 may be a wild adult coho. Release chum and adult Chinook. Bait prohibited and fishing from any floating device prohibited. Open October 1 through October 15 from mouth to high bridge. Daily limit 6 fish, of which no more than 2 may be adult salmon, and of which only 1 may be a wild adult coho. Release chum and adult Chinook. Open October 16 through January 31 from mouth to high bridge. Daily limit 6 fish, of which no more than 2 may be adult salmon. Release chum, wild coho, and adult Chinook.))~~ From mouth to Porter Bridge: Open September 16 through January 31. September 16 through October 15, daily limit 6 fish, of which no more than 2 may be adult salmon, and of the 2 adult salmon, only 1 may be a wild adult coho. Release chum and adult Chinook. October 16 through January 31, daily limit 6 fish, of which no more than 2 may be adult salmon. Release chum, wild coho, and adult Chinook. From Porter Bridge to high bridge on Weyerhaeuser 1000 line: Open October 1 through January 31. October 1 through October 15, daily limit 6 fish, of which no more than 2 may be adult salmon, and of the 2 adult salmon, only 1 may be a wild adult coho. Release chum and adult Chinook. October 16 through January 31, daily limit 6 fish, of which no more than 2 may be adult salmon. Release chum, wild coho, and adult Chinook. Sturgeon: Open year-round, and no night closure from mouth to high bridge on Weyerhaeuser 1000 line.

From the High Bridge on Weyerhaeuser 1000 line, upstream, including all forks and tributaries: The first Saturday in June through April 15 season. Selective gear rules. All species: Release all fish, except up to two hatchery steelhead may be retained per day.

Chehalis River, South Fork (Lewis County), from mouth to Highway Bridge at Boistfort School: The first Saturday in June through April 15 season. Trout: Minimum length fourteen inches.

Chehalis River Potholes (adjacent to the Chehalis River south of Highway 12 in Grays Harbor County, this does not include sloughs or beaver ponds): Last Saturday in April through October 31 season.

Chelan Hatchery Creek (Chelan County): Closed waters.

Chelan Lake (Chelan County): Closed waters: Within 400 feet of all tributaries south of a line from Purple Point at Stehekin and Painted Rocks. Trout except kokanee and lake trout: Daily limit 5. Release wild cutthroat. Lake trout not counted in daily trout limit. Lake trout no minimum size, no daily limit. Kokanee not counted in daily trout limit. Kokanee daily limit 10, no minimum length. North of a line between Purple Point at Stehekin and Painted Rocks: April 1 through July 31: All species: Release all fish. Salmon: Open only May 1 through May 31 south of a line from Purple Point to Painted Rocks: Daily limit 1, minimum length 15 inches.

Chelan Lake Tributaries (Chelan County), from mouths upstream one mile except Stehekin River: August 1 through September 30 season. Selective gear rules. Trout: Release wild cutthroat.

Chelan River (Chelan County): From the railroad bridge to the Chelan P.U.D. safety barrier below the power house: May 15 through August 31 season. Anti-snagging rule. Trout: Release all trout.

Chewuch River (Chewack River) (Okanogan County), from mouth to Eight Mile Creek: The first Saturday in June through August 15 season. Selective gear rules. All species: Release all fish.

Upstream from Eight Mile Creek to Pasayten Wilderness boundary: Closed waters the first Saturday in June through October 31.

From mouth to Pasayten Wilderness boundary: Additional December 1 through March 31 season. Whitefish gear rules apply.

Chikamin Creek (Chelan County): Selective gear rules.

Chimacum Creek (Jefferson County):

From mouth to Ness's Corner Road: The first Saturday in June through August 31 season. Trout: Minimum length fourteen inches.

From Ness's Corner Road to headwaters: Trout: Minimum length fourteen inches.

Chiwaukum Creek (Chelan County): Mouth to Fool Hen Creek: Closed waters.

Chiwawa River (Chelan County): Mouth to Buck Creek: Closed waters.

Chopaka Lake (Okanogan County): Last Saturday in April through October 31 season. Fly fishing only. Fishing from a floating device equipped with a motor prohibited. Trout: Daily limit one.

Cispus River (Lewis County), from mouth to North Fork: Trout: Release all cutthroat. Additional season November 1 through the Friday before the first Saturday in June. Trout: Release all trout except up to two hatchery steelhead may be retained per day. Salmon: Open year around. Salmon minimum size 8 inches. January 1 through July 31, daily limit 6 fish, of which no more than 2 may be adult salmon. Release wild coho and wild Chinook. August 1 through December 31, daily limit 6 fish, of which no more than 2 may be adult Chinook. Release wild coho.

Cispus River, North Fork (Lewis County): Selective gear rules. Trout: No more than one over twelve inches in length. Release cutthroat.

Clallam River (Clallam County): The first Saturday in June through last day in February season. Trout: Minimum length fourteen inches.

Clara Lake (Mason County): Last Saturday in April through October 31 season.

Clear Creek (Chelan County): Closed waters.

Clear Lake (Chelan County): Last Saturday in April through October 31 season. From July 5 through October 31, selective gear rules and all species: Release all fish.

Clear Lake (Pierce County): Last Saturday in April through October 31 season. Chumming permitted. Salmon: Land-locked salmon rules apply.

Clear Lake (Spokane County): Last Saturday in April through October 31 season.

Clear Lake (Thurston County): Last Saturday in April through October 31 season.

Clearwater River (Jefferson County):

From mouth to Snahapish River: The first Saturday in June through April 15 season. Trout: Minimum length fourteen inches. December 1 through April 15, one wild steelhead per day may be retained. Salmon: Open only September 1 through November 30. Daily limit 6 fish of which no more than 2 may be adult salmon.

From Snahapish River upstream: Trout, minimum length fourteen inches.

Clearwater River (Pierce County): July 1 through October 31 season. Selective gear rules. Trout: Minimum length fourteen inches.

Cle Elum Lake (Reservoir) (Kittitas County): Trout except kokanee: Daily limit two, minimum length twelve inches. Kokanee not counted in daily trout limit. Kokanee daily limit sixteen, no minimum size.

Cle Elum River (Kittitas County), from mouth to Cle Elum Dam: Lawful to fish to base of Cle Elum Dam. Year-round season. Selective gear rules, except December 1 through March 31 bait and one single point barbed hook three-sixteenths or smaller point to shank may be used. Trout: Release all trout. Above Cle Elum Lake to outlet of Hyas Lake except Tucquala Lake: Selective gear rules.

Cliff Lake (Grant County): March 1 through July 31 season.

Cloquallum Creek (Grays Harbor County):

From mouth to second bridge on Cloquallum Road: The first Saturday in June through last day in February season. Trout: Minimum length fourteen inches.

From mouth to Highway 8 Bridge: Additional March 1 through March 31 season. Trout: Minimum length fourteen inches.

Clough Creek (North Bend) (King County): Closed waters.

Coal Creek (Cowlitz County), from mouth to four hundred feet below falls: The first Saturday in June through August 31 and November 1 through last day in February season. Trout: Release all fish except up to two hatchery steelhead may be retained per day.

Coal Creek (tributary of Lake Washington) (King County): The first Saturday in June through August 31 season. Juveniles only.

Coal Creek (near Snoqualmie) (King County), from mouth to Highway I-90: Last Saturday in April through October 31 season. Juveniles only. Trout: No minimum length.

Coffee Pot Lake (Lincoln County): March 1 through September 30 season. Selective gear rules except internal combustion motors allowed. Trout: Daily limit one, minimum length eighteen inches. Crappie: Daily limit ten, minimum length nine inches.

Coldwater Lake (Cowlitz County): Selective gear rules. Trout: Daily limit one, minimum length sixteen inches.

Coldwater Lake inlet and outlet streams (Cowlitz County): Closed waters.

Collins Lake (Mason County): Last Saturday in April through October 31 season.

Columbia Basin Hatchery Creek (Grant County): Hatchery outflow to confluence with mainstem Hatchery Creek: April 1 through September 30 season. Juveniles and holders of reduced fee disability licenses only. Trout: Daily limit three fish. Mainstem Hatchery Creek: April 1 through September 30 season. Juveniles and holders of reduced fee disability licenses only.

Columbia Park Pond (Benton County): Juveniles and holders of reduced fee disability licenses only. All species: Daily limit of five fish combined.

Columbia River, including impoundments and all connecting sloughs, except Wells Ponds: Year-round season unless otherwise provided. General species provisions (unless otherwise provided for in this section): Bass: Below McNary Dam: Daily limit five fish, bass 12 to 17 inches in length may be retained. Up to but not more than three of the daily limit may be over 15 inches. Trout: Daily limit two fish, minimum length 12 inches, except release all Dolly Varden/Bull Trout. Whitefish: Daily limit 15 fish. All other game fish: No daily limit, except release all grass carp.

In the Columbia River between Washington and Oregon, the license of either state is valid. Anglers must comply with the fishing regulations of the state in which they are fishing. This provision does not allow an angler licensed in Oregon to fish on the Washington shore, or in the sloughs or tributaries in Washington except Camas Slough, where the license of either state is valid when fishing from a floating device.

Anglers fishing the Columbia River are restricted to one daily limit, as defined by the laws of the state in which they are fishing, even if they are licensed by both states.

From a true north-south line through Buoy 10, upstream to a line projected from Rocky Point on the Washington bank through Red Buoy 44 to the navigation light at Tongue Point

on the Oregon bank: Trout: Release all trout except hatchery steelhead. Walleye: No minimum size. Daily limit ten, of which no more than five may be greater than eighteen inches in length and one greater than twenty-four inches in length. Fishing from the north jetty is allowed during both Area 1 and Buoy 10 salmon season openings, with barbed hooks allowed; and the daily limit is the more liberal if both areas are open. Salmon and steelhead: Open only August 1 through March 31. August 1 through ~~((September 1))~~ August 31, daily limit 2 salmon or 2 hatchery steelhead or one of each; ~~((of the adult salmon,))~~ only 1 may be a Chinook. Release ~~((chum, sockeye, wild coho, Chinook less than 24 inches in length, and coho less than 16 inches in length))~~ all salmon except Chinook and hatchery coho. Chinook minimum length 24 inches. Coho minimum length 16 inches. September ~~((2))~~ 1 through September 30, daily limit ~~((2 hatchery coho or 2 hatchery steelhead or one of each. Release coho less than 16 inches in length))~~ 3 hatchery coho and hatchery steelhead combined, of which no more than 2 may be hatchery steelhead. Coho minimum length 16 inches. October 1 through December 31, daily limit 6 fish, of which no more than ~~((2))~~ 3 may be a combination of adult hatchery coho or hatchery steelhead ((or one of each)), and of these 3, only 2 may be hatchery steelhead. Release all salmon except hatchery coho. January 1 through March 31, daily limit 6 fish, of which no more than 2 may be adult hatchery Chinook salmon or hatchery steelhead or one of each. Release ~~((chum, sockeye, wild coho and wild))~~ all salmon except hatchery Chinook. Fishing from the north jetty for salmon open during both Area 1 and Buoy 10 fishery openings, with barbed hooks allowed; and the daily limit is the more liberal if both areas are open. Sturgeon: Release sturgeon May 1 through May 8, June 29 through July 1, and July 6 through December 31. Minimum size when open to retain sturgeon is 38 inches fork length January 1 through April 30, and 41 inches fork length May 9 through July 5. Bottomfish: Daily limits, seasons, size restrictions and gear restrictions are the same as those in the adjacent portion of Marine Area 1.

From a line projected from Rocky Point on the Washington bank through Red Buoy 44 to the navigation light at Tongue Point on the Oregon bank, upstream to the I-5 Bridge: Trout: Release all trout except hatchery steelhead and hatchery cutthroat. Release all trout April 1 through May 15. Walleye: No minimum size. Daily limit ten, of which no more than five may be greater than eighteen inches in length and one greater than twenty-four inches in length. Salmon and steelhead: Open only May 16 through March 31. May 16 through ~~((June 15))~~ July 31, daily limit 6 fish, of which no more than 2 may be adult salmon or hatchery steelhead or one of each. Release all salmon except ~~((hatchery))~~ jack Chinook ~~((June 16 through July 31, daily limit 6 fish, of which no more than 2 may be adult salmon or adult steelhead or one of each. Release sockeye, chum, wild coho, and adult Chinook))~~ and sockeye, except adult Chinook may be retained June ~~((21))~~ 22 through ~~((June 28))~~ July 5. August 1 through ~~((August))~~ December 31, daily limit 6 fish, of which no more than 2 may be adult ~~((hatchery coho))~~ salmon or hatchery steelhead or one of each; of the adult salmon, only 1 may be a Chinook. Release all salmon except Chinook and hatchery coho. September ~~((4))~~ 13 through ~~((September 16, daily limit~~

~~6 fish, of which no more than 2 may be adult salmon or hatchery steelhead or one of each; and of the adult salmon, only 1 may be an adult Chinook. Release sockeye, chum, wild coho, and Chinook downstream of a line from the boundary marker on lower end of Bachelor Island to the Warrior Rock Lighthouse, and upstream of a line from Light Number 62 on Deer Island to Light Number 63 on the lower end of Martin Island. September 17 through December 31, daily limit 6 fish, of which no more than 2 may be adult hatchery coho or hatchery steelhead or one of each))~~ December 31, release Chinook downstream of a line projected from the Warrior Rock Lighthouse, through Red Buoy #4, to the orange marker atop the dolphin on the Washington shore. January 1 through March 31, daily limit 6 fish, of which no more than 2 may be adult ~~((salmon))~~ Chinook or hatchery steelhead or one of each. Release ~~((sockeye, chum, wild coho, and wild))~~ all salmon except hatchery Chinook. (1) Release sturgeon May 1 through May 8, June 29 through July 1, and July 6 through December 31 downstream from the Wauna powerlines. Minimum size when open to retain sturgeon is 38 inches fork length January 1 through April 30, and 41 inches fork length May 9 through July 5; (2) I-5 Bridge downstream to Wauna powerlines, lawful to retain sturgeon only on Thursdays, Fridays, and Saturdays from January 1 through July 31, and October 1 through December 31. Release sturgeon on other days and during other time periods.

From the I-5 Bridge to the Highway 395 Bridge at Pasco: Closed waters: (1) From the upstream line of Bonneville Dam to boundary markers located six hundred feet below the fish ladder, and closed to fishing from a floating device or fishing by any method except hand-casted gear from shore from Bonneville Dam downstream to a line from the Hamilton Island boat ramp to an Oregon boundary marker on Robins Island. (2) Waters from the upstream side of the Interstate Bridge at The Dalles to upper line of The Dalles Dam except that bank fishing is permitted up to the downstream navigation lock wall on the Washington shore. (3) From John Day Dam downstream about three thousand feet except that bank fishing is permitted up to four hundred feet below the fishway entrance on the Washington shore. (4) From McNary Dam downstream to a line across the river from the red and white marker on the Oregon shore on a line that intersects the downstream end of the wing wall of the boat lock near the Washington shore. August 1 through October 15: Salmon and steelhead: Anti-snagging rule from Bonneville Dam to McNary Dam and all species: Night closure from Bonneville Dam to The Dalles Dam. Trout: Release all trout except hatchery steelhead. Walleye: No minimum size. Daily limit ten, of which no more than five may be greater than eighteen inches in length and one greater than twenty-four inches in length. Snake River Confluence Protection Area: From the first powerline crossing the Columbia upstream of Sacajawea State Park to the railroad bridge between Burbank and Kennewick: All species: Daily limits, seasons, size restrictions and gear restrictions are the same as those in the adjacent portion of the Snake River. Sturgeon: (1) Sturgeon fishing is closed from Bonneville Dam to a line from a boundary marker on the Washington shore approximately 4,000 feet below the fish ladder to the downstream end of Cascade Island to an Oregon angling boundary on Bradford Island

(the Cascade Island - Bradford Island line). (2) It is unlawful to fish for sturgeon from May 1 through July 31 from Cascade Island - Bradford Island line downstream to a line from navigation marker 85 on the Washington shore at a right angle to the thread of the river to the Oregon shore, from 400 feet below McNary Dam to the Highway 82 Bridge and from John Day Dam downstream to a line crossing the Columbia at a right angle to the thread of the river from the west end of the grain silo at Rufus, Oregon. (3) Cascade Island - Bradford Island line downstream to I-5 Bridge, lawful to retain sturgeon only on Thursdays, Fridays, and Saturdays from January 1 through July 31 and October 1 through December 31, except for May 1 - July 31 closure to the navigation marker 85 line and the closure to the Highway 82 Bridge. Release sturgeon on other days and during other time periods. (4) Release sturgeon August 1 through December 31 from the upstream line of Bonneville Dam and 400 feet below McNary Dam. (5) From the Hamilton Island boat launch (USACE boat restricted zone boundary) to Bonneville Dam, anglers must stop fishing for sturgeon once a daily limit has been retained. Salmon and steelhead: From I-5 Bridge to Bonneville Dam: Open (~~only~~) June 16 through December 31 except salmon closed November 1 through December 31 from Beacon Rock to Bonneville Dam. June 16 through July 31, daily limit 6 fish, of which no more than 2 may be adult salmon or hatchery steelhead or one of each. Release all salmon except jack Chinook and sockeye, (~~chum, wild coho, and adult Chinook~~) except adult Chinook may be retained June (~~21~~) 22 through (~~June 28~~) July 5. August 1 through (~~August~~) December 31, daily limit 6 (~~hatchery~~) fish, of which no more than 2 may be adult (~~hatchery coho~~) salmon or hatchery steelhead or one of each; of the adult salmon, only 1 may be a Chinook. Release all salmon except Chinook and hatchery coho. (~~September 1 through September 16, daily limit 6 fish, of which no more than 2 may be adult salmon or hatchery steelhead or one of each; and of the adult salmon, only 1 may be an adult Chinook. Release sockeye, chum, and wild coho. September 17 through December 31, daily limit 6 fish, of which no more than 2 may be adult hatchery coho or hatchery steelhead or one of each.~~) Steelhead: Additional season January 1 through March 31. Daily limit 2. From Bonneville Dam to McNary Dam: Open (~~only~~) June 16 through December 31. June 16 through July 31, daily limit 6 fish, of which (~~only~~) no more than 2 may be adult salmon or hatchery steelhead or one of each. Release all salmon except jack Chinook and sockeye, except adult Chinook may be retained July 1 through July 31. (~~Steelhead: Additional season January 1 through March 31. Daily limit 2.~~) August 1 through December 31, (~~release chum~~) daily limit 6 fish, of which no more than 2 may be adult salmon or hatchery steelhead or one of each. Release all salmon except Chinook and coho. (~~August 1 through December 31~~) Release wild coho from Bonneville Dam to Hood River Bridge. Steelhead: Additional season January 1 through March 31. Daily limit 2. From McNary Dam to the Highway 395 Bridge at Pasco: Open only June 16 through December 31 (~~;~~). June 16 through July 31, daily limit 6 fish, of which no more than 2 may be adult salmon or hatchery steelhead or one of each. Release all salmon except jack Chinook and sockeye, except adult Chinook may be retained July 1

through July 31. August 1 through December 31, daily limit 6 fish, of which no more than 2 may be adult salmon or hatchery steelhead or one of each. Release all salmon except Chinook and coho. Steelhead: Additional season January 1 through March 31. Daily limit 2.

From the Highway 395 Bridge at Pasco to the old Hanford townsite (wooden towers) powerline crossing, in Sec. 30, T13N, R28E except Ringold Area Bank Fishery waters: Closed waters: Ringold Springs Creek (Hatchery Creek). Trout: Release all trout, except up to two hatchery steelhead having both adipose and ventral fin clips may be retained per day, October 1 through October 31. Release all trout, except up to two hatchery steelhead may be retained per day, November 1 through March 31. Salmon: Open only (~~June 16~~) July 1 through October 22. Daily limit 6 fish, of which no more than 2 may be adult salmon. Release sockeye. Walleye: Daily limit 10 fish. No minimum size, no more than 5 fish over 18 inches in length. No more than 1 fish over 24 inches in length. Ringold Area Bank Fishery waters (from WDFW markers 1/4 mile downstream from the Ringold wasteway outlet, to WDFW markers 1/2 mile upstream from Spring Creek): Open only April 1 through April 15, except closed for salmon fishing. Fishing allowed only from the bank and only on the hatchery side of the river. Trout: Release all trout, except hatchery steelhead. Salmon: Open only May 1 through May 31. Fishing allowed only from the bank and only on the hatchery side of the river. Daily limit two hatchery Chinook. Night closure and anti-snagging rule.

From the old Hanford townsite (wooden towers) powerline crossing in Sec. 30, T13N, R28E, to Vernita Bridge, (Highway 24): February 1 through October 22 season. Trout: Release all trout. Walleye: Daily limit 10 fish. No minimum size, no more than 5 fish over 18 inches in length. No more than 1 fish over 24 inches in length. Salmon: Open only (~~June 16~~) July 1 through October 22. Daily limit 6 fish of which no more than 2 fish may be adult salmon. Release sockeye.

From Vernita Bridge (Highway 24) to Priest Rapids Dam: Closed waters: (1) Priest Rapids Dam - waters between the upstream line of Priest Rapids Dam downstream to the boundary markers six hundred fifty feet below the fish ladders. (2) Jackson (Moran Creek or Priest Rapids Hatchery outlet) Creek - all waters of the Priest Rapids Hatchery system to the outlet on the Columbia River, extending to mid-stream Columbia between boundary markers located one hundred feet upstream and four hundred feet downstream of the mouth. Trout: Release all trout. Walleye: Daily limit 10 fish. No minimum size, no more than 5 fish over 18 inches in length. No more than 1 fish over 24 inches in length. Salmon: Open only (~~June 16~~) July 1 through October 22. Daily limit 6 fish of which no more than 2 may be adult salmon. Release sockeye.

From Priest Rapids Dam to Chief Joseph Dam, including up to base of Washburn Pond outlet structure: Closed waters: (1) Wanapum Dam - waters between the upstream line of Wanapum Dam to the boundary markers seven hundred fifty feet downstream of the east fish ladder and five hundred feet downstream of the west fish ladder. (2) Rock Island Dam to boundary markers four hundred feet downstream of the fish ladders. (3) Rocky Reach Dam - waters between the upstream

line of Rocky Reach Dam to boundary markers four hundred feet downstream of the fish ladders. (4) Wells Dam - waters between the upstream line of Wells Dam to boundary markers four hundred feet downstream of the spawning channel discharge (Chelan County) and fish ladder (Douglas County). (5) Chief Joseph Dam - closed to fishing from the Okanogan County shore between the dam and the Highway 17 Bridge. Closed to fishing from a floating device from the boundary marker to the Corps of Engineers safety zone marker. Trout: Release all trout. All species: Anti-snagging rule and night closure from Rocky Reach Dam to the most upriver edge of Turtle Rock. Salmon: Daily limit 6 fish, of which no more than 2 may be adult salmon. Release coho and sockeye. From Priest Rapids Dam to Wells Dam, open only July 1 through October 15. From Wells Dam to Chief Joseph Dam, open only July 1 through July 15 and September 1 through October 15 from Highway 173 Bridge at Brewster to Highway 17 Bridge at Bridgeport, and July 16 through August 31 from Wells Dam to Highway 17 Bridge at Bridgeport. Sturgeon: Release all sturgeon.

Above Chief Joseph Dam: See Lake Roosevelt and Rufus Woods Lake.

Colville River (Stevens County):

From mouth to bridge at Town of Valley: Year-round season. Trout: Daily limit five fish, not more than two of which may be brown trout October 1 through November 30. Walleye: Daily limit 8 fish. No minimum size. Not more than one walleye greater than 22 inches may be retained. Sturgeon: Unlawful to fish for or retain sturgeon.

From bridge at Valley upstream and tributaries: Saturday before Memorial Day through October 31 season. Selective gear rules.

Conconully Lake (Okanogan County): Last Saturday in April through October 31 season.

Conconully Reservoir (Okanogan County): Last Saturday in April through October 31 season.

Conger Pond (Pend Oreille County): Last Saturday in April through October 31 season.

Connelly Creek and tributaries (Lewis County), from four hundred feet below the city of Morton Dam to its source: Closed waters.

Conner Lake (Okanogan County): Last Saturday in April through October 31 season.

Cooper River (Kittitas County): Mouth to Cooper Lake: Selective gear rules.

Coot Lake (Grant County): April 1 through September 30 season.

Copalis River (Grays Harbor County): The first Saturday in June through last day in February season. Trout: Minimum length fourteen inches. Salmon: Open only September 1 through January 31 from mouth to Carlisle Bridge. Daily limit 6 fish of which no more than 2 may be adult salmon. Release chum and adult Chinook.

Cottage Lake (King County): Last Saturday in April through October 31 season.

Cottonwood Creek (Lincoln County): Year-round season.

Cottonwood Creek (Walla Walla County): Closed waters.

Cougar Creek (tributary to Yale Reservoir) (Cowlitz County): The first Saturday in June through August 31 season.

Cougar Lake (near Winthrop) (Okanogan County): September 1 through March 31 season.

Coulter Creek (Kitsap/Mason counties): Trout: Minimum length fourteen inches.

County Line Ponds (Skagit County): Closed waters.

Coweeman River (Cowlitz County), from mouth to Mulholland Creek: The first Saturday in June through August 31 and November 1 through March 15 season. Trout: Release all fish except up to two hatchery steelhead may be retained per day. From Mulholland Creek upstream: The first Saturday in June through August 31 season. Trout: Release all fish except up to two hatchery steelhead may be retained per day.

Cowiche Creek (Yakima County): Selective gear rules.

Cowlitz Falls Reservoir (Lake Scanewa) (Lewis County): June 1 through last day in February season. The upstream boundary of the reservoir in the Cowlitz arm is the posted PUD sign on Peters Road. The upstream boundary of the reservoir in the Cispus arm is the posted markers at the Lewis County PUD kayak launch, approximately 1.5 miles upstream from the confluence of the Cowlitz and Cispus arms. Trout and salmon: Minimum length eight inches. Trout: Release cutthroat. Release rainbow trout except rainbow trout with a clipped adipose fin and a healed scar at the site of the clipped fin. Salmon: Open only June 1 through last day in February. January 1 through last day in February and June 1 through July 31, daily limit 6 fish, of which no more than 2 may be adult salmon. Release wild coho and wild Chinook. August 1 through December 31, daily limit 6 fish, of which no more than 2 may be adult Chinook. Release wild coho.

Cowlitz River (Lewis County):

From mouth to Mayfield Dam: Closed waters: (1) From 400 feet or posted markers below Cowlitz salmon hatchery barrier dam to boundary markers near the Cowlitz salmon hatchery water intake approximately 1,700 feet upstream of the Cowlitz salmon hatchery barrier dam. (2) From 400 feet below the Mayfield powerhouse upstream to Mayfield Dam. (3) Within a 100 foot radius of the new Cowlitz Trout Hatchery outfall structure except anglers who permanently use a wheelchair may fish within posted markers when adjacent waters are open. Year-round season except closed to fishing from south bank May 1 through June 15 from Mill Creek to the Cowlitz salmon hatchery barrier dam. Lawful to fish up to four hundred feet or the posted deadline at the Cowlitz salmon hatchery barrier dam. Lawful to fish up to Tacoma Power safety signs at Onion Rock below Mossyrock Dam. Lawful to fish up to Lewis County P.U.D. safety signs below Cowlitz Falls Dam. From the Cowlitz salmon hatchery barrier dam downstream to a line from the mouth of Mill Creek to a boundary marker on the opposite shore, it is unlawful to

fish from any floating device. Anti-snagging rule and night closure April 1 through October 31 from mouth of Mill Creek to the Cowlitz salmon hatchery barrier dam. All game fish: Release all fish except steelhead April 1 through May 31. Trout: Daily limit five, minimum length twelve inches, no more than two over twenty inches. Release wild cutthroat. Release all steelhead missing right ventral fin. Salmon: Open year-round. January 1 through July 31, daily limit 6 fish of which no more than 2 may be adult salmon. Release all salmon except hatchery Chinook and hatchery coho. August 1 through December 31, daily limit 6 fish, of which no more than 2 may be adult Chinook. Release all salmon except hatchery coho and (~~hatchery jack~~) Chinook. Release wild jack Chinook. Sturgeon: Seasons, days of the week, daily limits, and size limits same as in adjacent waters of mainstem Columbia River.

From posted PUD sign on Peters Road to mouth of Ohanepecosh River and mouth of Muddy Fork: Trout: Release cutthroat. Additional November 1 through Friday before the first Saturday in June season. Trout: Release all trout except up to two hatchery steelhead may be retained per day. Salmon: Open year-round from upstream boundary of Lake Scanewa. Salmon minimum size 12 inches. January 1 through July 31, daily limit 6 fish, of which no more than 2 may be adult salmon. Release wild coho and wild Chinook. August 1 through December 31, daily limit 6 fish, of which no more than 2 may be adult Chinook. Release wild coho.

Cowlitz River, Clear and Muddy Forks (Lewis County): Selective gear rules. Trout: Release cutthroat.

Coyote Creek and Ponds (Adams County): April 1 through September 30 season.

Crab Creek (Adams/Grant counties):

From Highway 26 to Morgan Lake Road in Section 36: April 1 through September 30 season.

From Morgan Lake Road in Section 36 to O'Sullivan Dam (including Marsh Unit I and II impoundments): Closed waters.

Crab Creek (Lincoln/Grant counties) and tributaries: Year-round season. In those waters from Grant County Road 7 to the fountain buoy and shoreline markers or 150 feet downstream of the Alder Street fill March 1 through May 31 terminal gear restricted to one single hook measuring 3/4 inch or less point to shank. Year-round: Daily limits and size limits same as Moses Lake. From Moses Lake downstream to the confluence of the outlet streams March 1 through May 31 terminal gear restricted to one single-point hook measuring 3/4 inch or less point to shank. Year-round: Daily limits and size limits same as Potholes Reservoir.

Crabapple Lake (Snohomish County): Last Saturday in April through October 31 season.

Cranberry Creek (Mason County), mouth to Lake Limerick: Closed waters.

Crawfish Lake (Okanogan County): Last Saturday in April through October 31 season. Fishing from a floating device equipped with an internal combustion engine prohibited.

Crescent Lake (Pend Oreille County): Last Saturday in April through October 31 season.

Crescent Lake (Pierce County): Last Saturday in April through October 31 season.

Crocker Lake (Jefferson County): Closed waters.

Crystal Lake (Grant County): March 1 through July 31 season.

Cup Lake (Grant County): March 1 through July 31 season.

Curl Lake (Columbia County): Last Saturday in April through October 31 season. Fishing from any floating device prohibited. Trout: No more than 2 trout over 13 inches in length may be retained.

Curley Creek (Kitsap County): Trout: Minimum length fourteen inches.

Dakota Creek (Whatcom County): Salmon: Open only October 1 through December 31 from mouth to Giles Road Bridge. Daily limit 2 salmon.

Dalton Lake (Franklin County): Trout: No more than two over 13 inches in length may be retained.

Damon Lake (Grays Harbor County): The first Saturday in June through October 31 season.

Davis Lake (Ferry County): Last Saturday in April through October 31 season.

Davis Lake (Lewis County): Last Saturday in April to last day in February season.

Davis Lake (Okanogan County): April 1 through August 31: Selective gear rules. All species: Release all fish.

Davis Lake (Pend Oreille County): Last Saturday in April through October 31 season.

Dayton Pond (Columbia County): Juveniles only. Trout: No more than 2 trout over 13 inches in length may be retained.

Deadman Lake (Adams County): April 1 through September 30 season.

De Coursey Pond (Pierce County): Last Saturday in April through November 30 season. Juveniles only. Salmon: Land-locked salmon rules apply.

Deep Creek (Clallam County): December 1 through last day in February season. All species: Release all fish except up to two hatchery steelhead may be retained per day.

Deep Creek (tributary to Bumping Lake) (Yakima County): Mouth to second bridge crossing on USFS Rd. 1808 (approximately 3.7 miles from junction of USFS Rds. 1800 and 1808): Closed waters.

Deep Lake (Grant County): Last Saturday in April through September 30 season.

Deep Lake (Stevens County): Last Saturday in April through October 31 season.

Deep Lake (Thurston County): Last Saturday in April through October 31 season.

Deep River (Wahkiakum County): Year-round season. Trout: Release all fish except up to two hatchery steelhead may be retained per day. Salmon: Open year-round only from mouth to town bridge. January 1 through July 31, daily limit 6 fish of which no more than 2 may be adult salmon. Release wild Chinook and wild coho. August 1 through December 31, daily limit 6 fish of which no more than ~~((4 may be adult salmon, and of the adult salmon, no more than))~~ 2 may be adult Chinook. Release chum and wild coho. Sturgeon: Seasons, days of the week, daily limits, and size limits same as in adjacent waters of mainstem Columbia River.

Deer Creek (Mason County): Closed waters.

Deer Creek and Little Deer Creek (tributaries to North Fork Stillaguamish) (Skagit County): Closed waters.

Deer Lake (Columbia County): March 1 through October 31 season. Fishing from any floating device prohibited. Trout: No more than 2 trout over 13 inches in length may be retained.

Deer Lake (Island County): Last Saturday in April through October 31 season.

Deer (Deer Springs) Lake (Lincoln County): Last Saturday in April through September 30 season.

Deer Lake (Mason County): Last Saturday in April through October 31 season.

Deer Lake (Stevens County): March 1 through October 31 season. Trout: No more than two over thirty inches in length may be retained.

De Roux Creek (Kittitas County): Mouth to the USFS Trail #1392 (De Roux Cr. Trail) stream crossing (approximately one river mile): Closed waters. Upstream of USFS Trail #1392 stream crossing: Selective gear rules.

Deschutes River (Thurston County): Closed waters: From 400 feet below lowest Tumwater Falls fish ladder to Old Highway 99 Bridge. From old U.S. Highway 99 Bridge near Tumwater to Henderson Boulevard Bridge near Pioneer Park: The first Saturday in June through March 31 season. Anti-snagging rule and night closure August 1 through November 30. Trout: Minimum length fourteen inches. Salmon: Open only July 1 through October 15. Daily limit 6 fish of which no more than 2 may be adult salmon. Release coho.

From Henderson Boulevard Bridge upstream: Year-round season. Selective gear rules. All game fish: Release all fish except hatchery steelhead. Salmon: Open only July 1 through October 15. Daily limit 6 fish of which no more than 2 may be adult salmon. Release coho.

Devereaux Lake (Mason County): Last Saturday in April through October 31 season.

Devil's Lake (Jefferson County): Last Saturday in April through October 31 season.

Dewatto River (Mason County): Selective gear rules. Night closure September 16 through October 31. Game fish: Release all fish. Salmon: Open only September 16 through

October 31 mouth to Dewatto-Holly Road Bridge. Daily limit two coho. Release all salmon other than coho.

Diamond Lake (Pend Oreille County): Last Saturday in April through October 31 season.

Dickey River (Clallam County): The first Saturday in June through April 30 season in mainstem Dickey outside Olympic National Park and East Fork Dickey upstream to D5200 road and the first Saturday in June through March 15 in East Fork Dickey upstream from D5200 road and West Fork Dickey. Trout: Minimum length fourteen inches. December 1 through April 30, one wild steelhead per day may be retained. Salmon: Open only July 1 through November 30 from mouth to East Fork Dickey. ~~((Daily limit 6 fish of which no more than 2 may be adult salmon July 1 through August 31 and of which no more than 3 may be adult salmon September 1 through November 30. July 1 through August 31 release wild adult coho and wild adult Chinook. September 1 through October 31 the daily limit may contain no more than 2 adult Chinook, release wild adult coho, and selective gear rules. November 1 through November 30 the daily limit may contain no more than 2 adult Chinook or 2 adult wild coho or a combination of adult Chinook and adult wild coho.))~~ July 1 through August 31, daily limit 6 fish of which no more than 2 may be adult salmon. Release wild adult Chinook and wild adult coho. September 1 through November 30, daily limit 6 fish of which no more than 4 may be adult salmon, and of the 4 adult salmon, no more than 2 may be any combination of Chinook, wild coho, pink, sockeye, and chum salmon.

Dillacort Creek (Klickitat County): Trout: Release all trout.

Dog Lake (Yakima County): Trout: Daily limit may contain not more than 1 fish over 14 inches in length.

Dosewallips River (Jefferson County), from mouth to Olympic National Park boundary about three-quarters mile downstream of falls: The first Saturday in June through August 31 season mouth to park boundary and November 1 through December 15 season mouth to Highway 101 Bridge. Selective gear rules the first Saturday in June through August 31. All species: Release all fish except salmon may be retained November 1 through December 15. Salmon: Open only November 1 through December 15 from mouth to Highway 101 Bridge. Daily limit 2 chum salmon.

Dot Lake (Grant County): March 1 through July 31 season.

Downs Lake (Lincoln/Spokane counties): March 1 through September 30 season. Crappie: Daily limit ten, minimum length nine inches.

Dry Creek (Walla Walla County): Upstream from the middle Waitsburg Road: Closed waters.

Dry Falls Lake (Grant County): April 1 through November 30 season. Selective gear rules. Trout: Daily limit one.

Duck Lake (Grays Harbor County): Crappie: Daily limit ten, minimum length nine inches.

Duckabush River (Jefferson County), from mouth to the Olympic National Park Boundary: The first Saturday in June through August 31 season mouth to park boundary and

November 1 through December 15 season mouth to Mason County P.U.D. No. 1 overhead electrical distribution line. Selective gear rules the first Saturday in June through August 31. All species: Release all fish except salmon may be retained November 1 through December 15. Salmon: Open only November 1 through December 15 from mouth to Mason County P.U.D. No. 1 overhead electrical distribution line. Daily limit 2 chum salmon.

Dungeness River (Clallam County):

From mouth to junction of Gray Wolf and Dungeness rivers: October 16 through last day in February season. Trout: Minimum length fourteen inches. Salmon: Open only October 16 through December 31 from mouth to the hatchery intake pipe at river mile 11.3. Daily limit 4 coho salmon.

From junction of Gray Wolf River upstream to Gold Creek - Closed waters.

From junction of Gold Creek upstream to headwaters: Trout: Minimum length fourteen inches.

Dusty Lake (Grant County): March 1 through November 30 season. Selective gear rules. Trout: Daily limit one fish.

Early Winters Creek (Okanogan County): Closed waters.

East Little Walla Walla River (Walla Walla County): Closed waters.

East Twin River (Clallam County): Trout: Minimum length fourteen inches.

Easton Lake (Kittitas County): Saturday before Memorial Day through October 31 season. Trout: Daily limit five fish of which no more than 2 may be trout other than Eastern brook trout. Minimum length 8 inches.

Ebey Lake (Little Lake) (Snohomish County): Fly fishing only. Fishing from a floating device equipped with a motor prohibited. Trout: Daily limit one, minimum length eighteen inches.

Echo Lake (Snohomish County): Last Saturday in April through October 31 season.

Eightmile Lake (Chelan County): Trout: Daily limit five, not more than two mackinaw may be retained.

Elbow Lake (Stevens County): Last Saturday in April through October 31 season.

Elk River (Grays Harbor County), from the Highway 105 Bridge upstream: The first Saturday in June through last day in February season. Single point barbless hooks required August 16 through November 30 downstream of the confluence of the east and middle branches. Trout: Minimum length fourteen inches. Salmon: Open only October 1 through November 30 from Highway 105 Bridge to the confluence of the East and Middle Branches. October 1 through October 15, daily limit 6 fish, of which no more than 2 may be adult salmon(~~(?)~~), and of the 2 adult fish, only 1 may be an adult wild coho. Release adult Chinook, and chum. October 16 through November 30, daily limit 6 fish, of which no more than 2 may be adult salmon. Release chum, wild coho, and adult Chinook.

Ell Lake (Okanogan County): Last Saturday in April through October 31 season. Selective gear rules. Trout: Daily limit one.

Ellen Lake (Ferry County): Last Saturday in April through October 31 season. All species: Catch and release except up to five rainbow trout may be retained.

Elochoman River (Wahkiakum County): Closed waters: Waters from 100 feet above the upper hatchery rack downstream to the Elochoman Hatchery Bridge located 400 feet below the upper hatchery rack; waters from a point 50 feet above to 100 feet below the outlet pipes from the most downstream Elochoman Hatchery rearing pond and extending 30 feet out from the south bank of the river; waters between the department of fish and wildlife temporary rack downstream to Foster (Risk) Road Bridge while rack is installed in the river; mainstem waters from the confluence of the west fork to source.

From mouth to West Fork: The first Saturday in June through March 15 season. Anti-snagging rule and night closure September 1 through October 31. Stationary gear restriction September 1 through October 31. Trout: Release all fish except up to two hatchery steelhead may be retained per day. Salmon: Open only (~~(September 1)~~) from the first Saturday in June through December 31. (~~(September)~~) First Saturday in June through July 31, daily limit 6 hatchery Chinook, of which no more than 2 may be adults. August 1 through ((October 15)) December 31, daily limit 6 fish, of which no more than ((4)) 2 may be adult ((coho)) Chinook. Release chum, wild coho, and wild Chinook(~~(, and hatchery adult Chinook. October 16 through December 31, daily limit 6 fish, of which no more than 2 may be adult coho. Release chum, wild coho, wild Chinook, and hatchery adult Chinook))~~).

Eloika Lake (Spokane County): Crappie: Daily limit ten, minimum length nine inches.

Elwha River (Clallam County): Closed waters: From south spillway on Aldwell Dam downstream two hundred feet.

From mouth to two hundred feet below the south spillway on the Aldwell Dam: October 1 through last day in February season. Fishing from any floating device prohibited. Trout: Minimum length fourteen inches. Salmon: Open only October 1 through November 15. Daily limit 6 coho salmon of which no more than 4 may be adult coho salmon.

From Lake Aldwell upstream to Olympic National Park boundary, including all tributaries except Indian Creek: Selective gear rules. Trout: Minimum length twelve inches.

Empire Lake (Ferry County): Last Saturday in April through October 31 season.

Enchantment Park Ponds (Chelan County): Juveniles only.

Entiat River (Chelan County), from mouth to Entiat Falls: December 1 through March 31 season. Whitefish gear rules apply. Above Entiat Falls: Selective gear rules. Trout: Daily limit 5 trout, not more than one of which may be greater than 12 inches in length. Eastern brook trout not included in trout daily limit. Eastern brook trout daily limit ten. Once the daily limit of trout other than eastern brook trout has been

achieved, the entire daily limit for trout other than eastern brook trout and eastern brook trout has been taken.

Ephrata Lake (Grant County): Closed waters.

Erie Lake (Skagit County): Last Saturday in April through October 31 season.

Failor Lake (Grays Harbor County): Last Saturday in April through October 31 season. Trout: No more than two over 15 inches in length may be retained per day.

Fan Lake (Pend Oreille County): Last Saturday in April through September 30 season. Fishing from a floating device equipped with an internal combustion motor prohibited.

Fazon Lake (Whatcom County): Fishing from any floating device prohibited from first Friday in October through January 15. Channel catfish: Daily and possession limit two.

Fio Rito Lakes (Kittitas County): Fishing from a floating device equipped with an internal combustion motor prohibited.

Fish Lake (Chelan County): Trout: No more than two over fifteen inches in length may be retained.

Fish Lake (Ferry County): Last Saturday in April through October 31 season.

Fish Lake (Okanogan County): Last Saturday in April through October 31 season.

Fish Lake (Spokane County): Last Saturday in April through September 30 season. Fishing from a floating device equipped with an internal combustion motor prohibited.

Fisher Slough (Snohomish County): Trout: Minimum length fourteen inches.

Fishhook Pond (Walla Walla County): March 1 through October 31 season. Fishing from any floating device prohibited. Trout: No more than 2 trout over 13 inches in length may be retained.

Fishtrap Creek (Whatcom County): From Koh Road to Bender Road: Juveniles only.

Fishtrap Lake (Lincoln/Spokane counties): Last Saturday in April through September 30 season.

Forde Lake (Okanogan County): Last Saturday in April through October 31 season.

Fort Borst Park Pond (Lewis County): Last Saturday in April through last day in February season. Juveniles only.

Fortson Mill Pond # 2 (Snohomish County): Last Saturday in April through October 31 season. Juveniles only.

Fourth of July Lake (Adams/Lincoln counties): December 1 through March 31 season. Fishing from a floating device equipped with an internal combustion motor prohibited. Trout: No more than two over fourteen inches in length may be retained.

Franz Lake (Skamania County): Closed waters.

Frater Lake (Pend Oreille County): Last Saturday in April through October 31 season.

Frenchman Hills Lake (Grant County): February 1 through September 30 season.

Gadwall Lake (Grant County): April 1 through September 30 season.

Garfield Juvenile Pond (Whitman County): Juveniles only.

George Lake (Grant County): March 1 through July 31 season.

Geneva Lake (King County): Last Saturday in April through October 31 season.

Germany Creek (Cowlitz County), from mouth to end of Germany Creek Road (approximately five miles): The first Saturday in June through August 31 and November 1 through March 15 season. Trout: Release all fish except up to two hatchery steelhead may be retained per day.

Gibbs Lake (Jefferson County): Selective gear rules. Trout: Release all trout.

Gillette Lake (Stevens County): Last Saturday in April through October 31 season.

Gissberg Pond, North (Snohomish County): Juveniles only.

Gissberg Ponds (Snohomish County): Channel catfish: Daily limit 2, no minimum size.

Goat Creek (Okanogan County): Closed waters.

Gobar Creek (tributary to Kalama River) (Cowlitz County): The first Saturday in June through March 31 season. Selective gear rules. All species: Release all fish.

Gold Creek, Gold Creek Pond and Outlet Channel (tributary to Keechelus Lake) (Kittitas County): Closed waters.

Gold Creek (Okanogan County): From mouth to confluence north fork Gold Creek: Closed waters.

Goldsborough Creek (Mason County): Trout: Minimum length fourteen inches.

Golf Course Pond (Asotin County): Trout: No more than 2 trout over 13 inches in length may be retained.

Goodman Creek (Jefferson County) outside Olympic National Park: The first Saturday in June through last day in February season. Trout, minimum length fourteen inches.

Goodwin Lake (Snohomish County): Chumming permitted.

Goose Creek (Lincoln County), within the city limits of Wilbur: Year around season. Juveniles and holders of disability licenses only.

Goose Lake, Lower (Adams County): Crappie: Daily limit ten, minimum length nine inches. Bluegill: Not more than five over six inches in length.

Gorst Creek (Kitsap County): Closed waters: From lower bridge on the old Belfair Highway upstream to source (including tributaries). From mouth upstream to lower bridge: Trout: Minimum length fourteen inches.

Gosnell Creek and tributaries (tributary to Lake Isabella) (Mason County): Trout: Minimum length fourteen inches.

Goss Lake (Island County): Last Saturday in April through October 31 season.

Grande Ronde River (Asotin County):

From mouth to County Road Bridge about two and one-half miles upstream: Year-round season. Selective gear rules September 1 through May 31. Trout: Minimum length ten inches, maximum length twenty inches. Channel catfish: No daily limit mouth to Oregon state line.

From County Road Bridge upstream to Oregon state line and all tributaries: Selective gear rules the first Saturday in June through August 31 and barbless hooks required September 1 through October 31. Additional season November 1 through April 15: Barbless hooks required. All tributaries: Closed waters. All species: Release all fish except whitefish and hatchery steelhead. Trout: Daily limit three hatchery steelhead.

Granite Creek and tributaries (Pend Oreille County): Closed waters.

Granite Lakes (near Marblemount) (Skagit County): Grayling: Release all grayling.

Grass Lake (Mason County): Last Saturday in April through October 31 season.

Gray Wolf River (Clallam County): From junction with Dungeness River to bridge at river mile 1.0 - Closed waters.

From bridge at river mile 1.0 upstream - selective gear rules. Trout: Minimum length fourteen inches.

Grays River (Wahkiakum County), from mouth to Highway 4 Bridge: First Saturday in June through October 15 and November 15 through March 15 season; and from Highway 4 Bridge to mouth of South Fork: First Saturday in June through October 15 and December 1 through March 15 season. Anti-snagging rule, night closure and stationary gear restriction September 1 through October 15. All game fish: Release all fish except hatchery steelhead. Salmon: Open only ~~((September 1))~~ from first Saturday in June through October 15 from mouth to South Fork. First Saturday in June through July 31, daily limit 6 hatchery Chinook, of which no more than 2 may be adults. August 1 through October 15, daily limit 6 fish, of which no more than ((four may be adult salmon, and of the 4 adults, only)) 2 may be adult Chinook. Release chum, wild coho and unmarked Chinook. Unmarked Chinook are Chinook without either a clipped ventral fin or a clipped adipose fin.

Grays River, East Fork (Wahkiakum County): Selective gear rules. Trout: Release all fish except up to two hatchery steelhead may be retained per day.

Grays River, West Fork (Wahkiakum County), downstream from hatchery intake footbridge: The first Saturday in June - October 15 season. All species: Release all fish except up to two hatchery steelhead may be retained per day. Trout: Additional December 1 through March 15 season downstream from hatchery intake footbridge. Release all fish other than hatchery steelhead. Salmon: ~~((Additional September 1))~~

Open only from first Saturday in June through October 15 ~~((season)).~~ September 1 through October 15: Anti-snagging rule, night closure and stationary gear restriction. First Saturday in June through July 31, daily limit 6 hatchery Chinook, of which no more than 2 may be adults. August 1 through October 15, daily limit 6 fish of which not more than ((4 may be adult salmon, and of the 4 adults, only)) 2 may be adult Chinook. Release chum, wild coho and unmarked Chinook. Unmarked Chinook are Chinook without either a clipped ventral fin or a clipped adipose fin.

Green Lake (Okanogan County): April 1 through November 30: Selective gear rules, and all species: Release all fish.

Green Lake (Lower) (Okanogan County): April 1 through November 30: Selective gear rules, and all species: Release all fish.

Green River (Cowlitz County): Closed waters: All tributaries.

From mouth to 2800 Bridge: The first Saturday in June through November 30 season except closed from 400 feet above to 400 feet below the water intake at the upper end of the hatchery grounds during the period September 1 through November 30 and from 400 feet or posted signs above and below the salmon hatchery rack when the rack is installed in the river. Anti-snagging rule and night closure September 1 through October 31 from mouth to 400 feet below salmon hatchery rack. All species: When anti-snagging rule in effect, only fish hooked inside the mouth may be retained. Trout: Release all trout except hatchery steelhead. Salmon: Open August 1 through November 30. Daily limit 6 fish, of which not more than ~~((four))~~ 2 may be adult ~~((coho))~~ Chinook. Release chum, wild coho, and wild jack Chinook~~((and hatchery))~~ October 1 through November 30, release adult Chinook.

From 2800 Bridge to source: Closed waters.

Green (Duwamish) River (King County):

From the First Avenue South Bridge to Tukwila International Boulevard/Old Highway 99: The first Saturday in June through July 31 and September ~~((16))~~ 1 through February 15 season. In years ending in odd numbers, additional season August 22 through August 31, night closure, bait prohibited, only 1 single-point hook may be used, and hook must measure less than 1/2 inch from point to shank. Anti-snagging rule and night closure September 16 through November 30. Fishing from any floating device prohibited November 1 through February 15. Trout: Minimum length fourteen inches. July 1 through July 31 and ~~((September 16))~~ when open from August 22 through November 30, one wild steelhead per day may be retained. Salmon: ~~((Open only September 16 through December 31. Daily limit 6 fish, of which no more than 3 may be adult salmon. Release Chinook.))~~ In years ending in odd numbers, open August 22 through December 31. Daily limit 6 salmon, no more than 3 may be any combination of adult coho and adult chum. Release Chinook. In years ending in even numbers, open September 1 through December 31. Daily limit 6 salmon, no more than 3 may be adult salmon. Release Chinook.

From Tukwila International Boulevard/Old Highway 99 to the Interstate 405 Bridge: The first Saturday in June

through July 31 and September 1 through February 15 season. Anti-snagging rule and night closure September 1 through November 30. Fishing from any floating device prohibited November 1 through February 15. Trout: Minimum length fourteen inches. July 1 through July 31 and September 1 through November 30, one wild steelhead per day may be retained. Salmon: Open only September 1 through December 31. ~~((Daily limit 6 fish, of which no more than 3 may be adult salmon, and only 1 may be a Chinook.))~~ In years ending in odd numbers, daily limit 6 salmon, no more than 3 may be any combination of adult coho and adult chum, and only 1 may be a Chinook. In years ending in even numbers, daily limit 6 salmon, no more than 3 may be adult salmon, and only 1 may be a Chinook.

From the Interstate 405 Bridge to South 277th Street Bridge in Auburn: Open only the first Saturday in June through July 31 and October 1 through February 15. In years ending in odd numbers, additional season September 1 through September 30, night closure, bait prohibited, only 1 single-point hook may be used, and hook must measure less than 1/2 inch from point to shank. Anti-snagging rule and night closure October 1 through November 30. Fishing from any floating device prohibited November 1 through February 15. Trout: Minimum length fourteen inches. July 1 through July 31 and ~~((October 1))~~ when open from September 1 through November 30, one wild steelhead per day may be retained. Salmon: ~~((Open only October 1 through December 31. Daily limit 6 fish of which not more than 3 may be adult salmon. Release Chinook.))~~ In years ending in odd numbers, open September 1 through December 31. Daily limit 6 salmon, no more than 3 may be any combination of adult coho and adult chum. Release Chinook. In years ending in even numbers, open October 1 through December 31. Daily limit 6 salmon, no more than 3 may be adult salmon. Release Chinook.

From the 277th Street Bridge to Auburn-Black Diamond Road Bridge: Open only the first Saturday in June through August 15 and October 16 through last day in February. In years ending in odd numbers, additional season September 16 through October 15, night closure, bait prohibited, only 1 single-point hook may be used, and hook must measure less than 1/2 inch from point to shank. Anti-snagging rule and night closure October 16 through November 30. Fishing from a floating device prohibited November 1 through last day in February. Trout, minimum length fourteen inches. July 1 through August 15 and ~~((October))~~ when open from September 16 through November 30, one wild steelhead per day may be retained. Salmon: ~~((Open only October 16 through December 31. Daily limit 6 fish of which no more than 3 may be adult salmon. Release Chinook.))~~ In years ending in odd numbers, open September 16 through December 31. Daily limit 6 salmon, no more than 3 may be any combination of adult coho and adult chum. Release Chinook. In years ending in even numbers, open October 16 through December 31. Daily limit 6 salmon, no more than 3 may be adult salmon. Release Chinook.

From the Auburn-Black Diamond Road Bridge to the Tacoma Headworks Dam: The first Saturday in June through last day in February season. Anti-snagging rule and night closure August 1 through November 30. Closed waters: Within

150 feet of the Palmer Pond outlet rack and within 150 feet of the mouth of Keta Creek. Trout: Minimum length 14 inches. July 1 through November 30, one wild steelhead per day may be retained. Salmon: Open only November 1 through December 31. ~~((Daily limit 2 chum.))~~ In years ending in odd numbers, daily limit 6 salmon, no more than 3 may be any combination of adult coho and adult chum. Release Chinook. In years ending in even numbers, daily limit 6 salmon, no more than 3 may be adult salmon. Release Chinook.

Greenwater River (King County), from mouth to Greenwater Lakes: July 1 through October 31 season. Selective gear rules. Trout: Minimum length 14 inches.

Grimes Lake (Douglas County): June 1 through August 31 season. Selective gear rules. Trout: Daily limit one.

Grizzly Lake (Skamania County): Closed waters.

Halfmoon Lake (Adams County): April 1 through September 30 season.

Halfmoon Lake (Pend Oreille County): Last Saturday in April through October 31 season.

Hamilton Creek (Skamania County): Trout: Release all fish except up to two hatchery steelhead may be retained per day. All tributaries downstream from the Highway 14 Bridge: Closed waters.

Hamma Hamma River (Mason County):

From mouth to four hundred feet below falls: The first Saturday in June through August 31 season. Selective gear rules. All species: Release all fish.

Hammersley Inlet Freshwater Tributaries (Mason County), except Mill Creek: Closed waters.

Hampton Lakes, Lower and Upper (Grant County): April 1 through September 30 season. Fishing from a floating device equipped with an internal combustion motor prohibited.

Hancock Lake (King County): Last Saturday in April through October 31 season. All tributary streams and the upper third of the outlet are closed waters.

Harvey Creek (tributary to Sullivan Lake) (Pend Oreille County):

From mouth to Bridge 4830 on county road (about one and one-half miles): Closed waters.

From Bridge 4830 upstream: Selective gear rules.

Harvey Creek (tributary to Stillaguamish River) (Snohomish County): Closed waters.

Hatch Lake (Stevens County): December 1 through March 31 season. All species: Catch and release except up to five rainbow trout may be retained.

Hatchery Lake (Mason County): Last Saturday in April through October 31 season.

Haven Lake (Mason County): Last Saturday in April through October 31 season.

Hawk Creek and tributaries (Lincoln County): Year-round season.

Hays Creek and Ponds (Adams County): April 1 through September 30 season.

Headgate Pond (Asotin County): Last Saturday in April through October 31 season. Juveniles, seniors and holders of disability licenses only.

Heart Lake (near Anacortes) (Skagit County): Last Saturday in April through October 31 season.

Heins Lake (Kitsap County): Closed waters.

Hemlock Lake (Trout Creek Reservoir) (Skamania County): Closed waters.

Hen Lake (Grant County): April 1 through September 30 season.

Heritage Lake (Stevens County): Last Saturday in April through October 31 season.

Herman Lake (Adams County): April 1 through September 30 season.

Hicks Lake (Thurston County): Last Saturday in April through October 31 season.

Hog Canyon Creek (Spokane County): Hog Canyon Dam to Scroggie Road: Year-round season.

Hog Canyon Lake (Spokane County): December 1 through March 31 season. Trout: No more than two over fourteen inches in length may be retained.

Hoh River (Jefferson County), outside of Olympic National Park: ~~((May 16 through April 15 season. May 16 through the Friday before the first Saturday in June, open Wednesday through Sunday downstream from Willoughby Creek only. Willoughby Creek upstream to park boundary closed through the Friday before the first Saturday in June. Selective gear rules, except a person can fish from a floating device equipped with an internal combustion motor July 1 through August 31 from Olympic National Park upstream to DNR Oxbow Campground Boat Launch. Selective gear rules July 1 through October 15 from DNR Oxbow Campground Boat Launch to Willoughby Creek, the first Saturday in June through October 15 from Willoughby Creek to Morgan's Crossing Boat Launch, the first Saturday in June through November 30 from Morgan's Crossing Boat Launch to the mouth of South Fork, and December 1 through April 15 from DNR Oxbow Campground Boat Launch to mouth of South Fork. Trout: Minimum length fourteen inches. Catch and release during May, except up to two hatchery steelhead may be retained on open days. November 1 through February 15, daily limit three steelhead downstream from the Oxbow Campground Boat Launch. December 1 through April 15, downstream of DNR Oxbow Campground Boat Launch, one wild steelhead per day may be retained. Salmon: Open only May 16 through November 30 downstream of Willoughby Creek and October 16 through November 30 Willoughby Creek to Morgan's Crossing Boat Launch. Daily limit 6 fish of which no more than 2 may be adult salmon except May 16 through August 31 downstream of Willoughby Creek open Wednesday through Sunday only of each week, daily limit may contain no more than one adult salmon, and release wild~~

~~Chinook. September 1 through October 15 from Willoughby Creek to DNR Oxbow Campground Boat Launch, release wild Chinook.))~~

From Olympic National Park boundary upstream to DNR Oxbow Campground Boat Launch: May 16 through April 15 season. May 16 through the Friday before the first Saturday in June, open Wednesday through Sunday only each week, and catch and release, except up to two hatchery steelhead may be retained on open days. First Saturday in June through April 15, trout: Minimum length fourteen inches. November 1 through February 15, daily limit may include 1 additional hatchery steelhead. December 1 through April 15, one wild steelhead per day may be retained. Salmon: Open May 16 through August 31, Wednesday through Sunday only each week, daily limit 6 fish of which no more than 1 may be an adult salmon, and release wild Chinook. Open September 1 through November 30, daily limit 6 fish of which no more than 2 may be adult salmon.

From DNR Oxbow Campground Boat Launch to Willoughby Creek: May 16 through April 15 season. Selective gear rules August 1 through October 15 and December 1 through April 15. May 16 through the Friday before the first Saturday in June, open Wednesday through Sunday only each week, and catch and release, except up to two hatchery steelhead may be retained on open days. First Saturday in June through April 15, trout: Minimum length fourteen inches. Salmon: Open May 16 through August 31, Wednesday through Sunday only each week, daily limit 6 fish of which no more than 1 may be an adult salmon, and release wild Chinook. Open October 16 through November 30, daily limit 6 fish of which no more than 2 may be adult salmon.

From Willoughby Creek to Morgan's Crossing boat launch site: First Saturday in June through April 15 season. Selective gear rules first Saturday in June through October 15 and December 1 through April 15. Trout: Minimum length fourteen inches. Salmon: Open October 16 through November 30, daily limit 6 fish of which no more than 2 may be adult salmon.

From Morgan's Crossing boat launch site upstream to Olympic National Park boundary below mouth of South Fork Hoh River: First Saturday in June through April 15 season. Selective gear rules. Trout: Minimum length fourteen inches.

Hoh River South Fork (Jefferson County), outside Olympic National Park: The first Saturday in June through April 15 season. Selective gear rules. Trout: Minimum length fourteen inches.

Hoko River (Clallam County): From mouth to upper Hoko Bridge: Fly fishing only September 1 through October 31. Additional November 1 through March 15 season. Trout: Minimum length fourteen inches. December 1 through March 15, one wild steelhead per day may be retained.

From upper Hoko Bridge to Ellis Creek Bridge (river mile 18.5): The first Saturday in June through March 31 season. Fly fishing only. All species: Release all fish except up to two hatchery steelhead per day may be retained.

Homestead Lake (Grant County): Selective gear rules. Trout: Daily limit one fish.

Hoquiam River, including all forks (Grays Harbor County): The first Saturday in June through last day of February season. Single point barbless hooks required August 16 through November 30. Trout: Minimum length fourteen inches. Salmon: Open only October 1 through November 30 from mouth to bridge on Dekay Road on mainstem and East Fork mouth to mouth of Berryman Creek. Daily limit 6 fish of which no more than 2 may be adult salmon(~~(-except)~~). Release chum, wild coho, and adult Chinook.

Horseshoe Lake (Clark/Cowlitz counties): Trout: No more than 2 trout 20 inches or greater in length may be retained. Salmon: Landlocked salmon rules apply.

Horseshoe Lake (Jefferson County): Last Saturday in April through October 31 season. Selective gear rules. Trout: Daily limit 1.

Horseshoe Lake (Kitsap County): Last Saturday in April through October 31 season. Salmon: Landlocked salmon rules apply.

Horseshoe Lake (Pend Oreille County): Last Saturday in April through October 31 season. Trout except kokanee: Daily limit five. Kokanee not counted in daily trout limit. Kokanee daily limit ten.

Horsethief Lake (Klickitat County): Last Saturday in April through October 31 season.

Hourglass Lake (Grant County): April 1 through September 30 season.

Howard Lake (Snohomish County): Last Saturday in April through October 31 season.

Howell Lake (Mason County): Last Saturday in April through October 31 season.

Hozomeen Lake (Whatcom County): July 1 through October 31 season.

Huff Lake (Pend Oreille County): Closed waters.

Humptulips River (Grays Harbor County)~~((;-))~~: From mouth to ((Highway 101 Bridge)) Ocean Beach Road: The first Saturday in June through March 31 season, except closed September 1 through September 30. Night closure and single-point barbless hooks required August 16 through August 31 and October 1 through November 30. ~~((Bait prohibited October 1 through October 15.))~~ Trout: Minimum length fourteen inches. Salmon: Open October 1 through January 31. ~~((October 1 through October 15, daily limit of 6 salmon, no more than two of which may be adult salmon. Release chum, wild coho, and adult Chinook. October 16 through January 31.))~~ Daily limit of 6 salmon, ((not)) of which no more than two ((of which)) may be adult salmon, and of the 2 adult salmon, only one may be an adult Chinook. Release chum((-) and wild coho((-and adult Chinook)). From Ocean Beach Road to Highway 101: The first Saturday in June through March 31 season, except closed September 1 through September 15. Night closure and single-point barbless hooks required August 16 through August 31 and September 16 through November 30. All species: Bait prohibited September 16 through September 30. Trout: Minimum length fourteen

inches. Salmon: Open September 16 through January 31. Daily limit of 6 salmon, of which no more than two may be adult salmon, and of the 2 adult salmon, only one may be an adult Chinook. Release chum and wild coho. From Highway 101 Bridge to forks: The first Saturday in June through last day in February season. Night closure and single point barbless hooks required August 16 through November 30. Trout: Minimum length fourteen inches. Additional season March 1 through March 31. Selective gear rules. All species: Release all fish except up to two hatchery steelhead may be retained.

Humptulips River, East Fork (Grays Harbor County), from mouth to concrete bridge on Forest Service Road between Humptulips Guard Station and Grisdale: Anti-snagging rule and night closure August 16 through October 31. Trout: Minimum length fourteen inches.

Humptulips River, West Fork (Grays Harbor County), from mouth to Donkey Creek: The first Saturday in June through last day in February season. Anti-snagging rule and night closure August 16 through November 30. Trout: Minimum length fourteen inches. Additional season March 1 through March 31. Selective gear rules. All species: Release all fish except up to two hatchery steelhead may be retained.

Hutchinson Lake (Adams County): April 1 through September 30 season. Fishing from a floating device equipped with an internal combustion engine prohibited.

I-82 Ponds, 1 through 7 (Yakima County): Fishing from vessels equipped with internal combustion motors prohibited.

Icehouse Lake (Skamania County): Trout: No more than 2 trout 20 inches or greater in length may be retained.

Icicle River (Creek) (Chelan County):

From mouth to four hundred feet below Leavenworth National Fish Hatchery rack: Closed waters. From Leavenworth National Fish Hatchery rack upstream to Leland Creek: Selective gear rules.

Indian Creek (tributary to Elwha River) (Clallam County), from mouth upstream to first Highway 101 crossing: Selective gear rules. Trout: Minimum length twelve inches.

Indian Creek and tributaries (Pend Oreille County): Trout: Eastern brook trout not counted in daily trout limit. Eastern brook trout daily limit ten. Once the daily limit of trout other than eastern brook trout has been achieved, the entire daily limit for trout other than eastern brook trout and eastern brook trout has been taken.

Indian Creek (Yakima County): From mouth to waterfall approximately six miles upstream (including the portion of the creek that flows through the dry lakebed): Closed waters. Upstream of waterfall: Eastern brook trout do not count as part of trout daily limit. Eastern brook trout: No minimum size and no daily limit.

Indian Heaven Wilderness Lakes (Skamania County): Trout: Daily limit three.

Ingall's Creek (Chelan County): Mouth to Wilderness boundary: Closed waters.

Issaquah Creek (King County): The first Saturday in June through August 31 season. Juveniles only.

Jackson Lake (Pierce County): Last Saturday in April through October 31 season.

Jameson Lake (Douglas County): Last Saturday in April through July 4 and October 1 through October 31 seasons.

Jasmine Creek (Okanogan County): Year-round season. Juveniles only.

Jefferson Park Pond (Walla Walla County): Juveniles only. Trout: No more than 2 trout over 13 inches in length may be retained.

Jennings Park Pond (Snohomish County): Last Saturday in April through October 31 season. Juveniles only.

Jewitt Creek (Klickitat County): Juveniles only. Trout: Daily limit five, no minimum length.

Jimmy-Come-Lately Creek (Clallam County): The first Saturday in June through August 31 season. Trout: Minimum length fourteen inches.

Joe Creek (Grays Harbor County): Upstream from State Highway 109 Bridge to Ocean Beach Road Bridge: The first Saturday in June through November 30 season. Single point barbless hooks required August 16 through November 30. Trout: Minimum length fourteen inches. Salmon: Open only September 1 through November 30. Daily limit 6 fish, of which no more than 2 may be adult salmon. Release adult Chinook, and chum.

Johns Creek (Mason County): Closed waters.

Johns River (Grays Harbor County): Mouth to Ballon Creek: The first Saturday in June through last day in February season. Single point barbless hooks required August 16 through November 30. Trout: Minimum length fourteen inches. Salmon: Open only October 1 through November 30. October 1 through October 15, daily limit 6 fish, of which no more than 2 may be adult salmon, and of the 2 adult salmon, only 1 may be an adult wild coho. Release chum and adult Chinook. October 16 through November 30, daily limit 6 fish, of which no more than 2 may be adult salmon. Release chum, wild coho, and adult Chinook.

Ballon Creek upstream, including North and South Forks: The first Saturday in June through September 30 and December 1 through last day in February season. Trout: Minimum length 14 inches.

Johnson Creek (tributary to Cowlitz River) (Lewis County): Selective gear rules. Trout: Minimum length ten inches.

Johnson Creek (Whatcom County), from Northern Pacific Railroad tracks to the Lawson Street footbridge in Sumas: Juveniles only.

Jump-Off Joe Lake (Stevens County): Last Saturday in April through October 31 season.

Kachess Lake (Reservoir) (Kittitas County): Chumming permitted. Trout except kokanee: Daily limit two, minimum length twelve inches. Kokanee not counted in daily trout limit. Kokanee daily limit sixteen.

Kachess River (Kittitas County): Lawful to fish to base of Kachess Dam. Selective gear rules. From Kachess Lake (Reservoir) upstream to waterfall approximately one-half mile above Mineral Creek: Closed waters.

Kalaloch Creek (Jefferson County), outside Olympic National Park: Closed waters: Those waters within the section posted as the Olympic National Park water supply the first Saturday in June through last day in February season. Selective gear rules. Trout: Minimum length fourteen inches.

Kalama River (Cowlitz County): Release wild cutthroat.

From mouth upstream to one thousand feet below fishway at upper salmon hatchery: Year-round season except during the period the temporary fish rack is installed. Waters from Modrow Bridge downstream to one thousand five hundred feet below the rack are closed waters when the rack is installed. Anti-snagging rule and night closure April 1 through October 31 from the mouth to the intake at the lower salmon hatchery. Stationary gear restriction September 1 through October 31 from mouth to the natural gas pipeline at Mahaffey's Campground. All species: When anti-snagging rule in effect only fish hooked inside the mouth may be retained. Fishing from a floating device equipped with ((#)) an internal combustion motor prohibited upstream of Modrow Bridge. September 1 through October 31: Fly fishing only from the pipeline crossing to the posted deadline at the intake to the lower salmon hatchery. All game fish: Release all fish year-round except up to two hatchery steelhead may be retained per day. Salmon: Open year-round. January 1 through July 31, daily limit 6 ((fish)) hatchery Chinook of which no more than ((2)) 1 may be an adult salmon. ((Release wild Chinook and wild coho.)) August 1 through December 31, daily limit 6 fish of which no more than ((4 may be adult salmon, and of the adult salmon only)) 2 may be adult Chinook. Release chum, wild ((jack)) Chinook, and wild coho. ((October 1 through December 31, release adult Chinook upstream of natural gas pipeline crossing.))

From one thousand feet below to one thousand feet above the fishway at upper salmon hatchery: Closed waters.

From one thousand feet above the fishway at the upper salmon hatchery to Summers Creek: Year-round season. Fishing from a floating device equipped with a motor prohibited. Selective gear rules. All species: Release all fish.

From Summers Creek upstream to the 6420 Road at about one mile above the gate at the end of the county road: The first Saturday in June through March 31 season. Fishing from a floating device equipped with a motor prohibited. Fly fishing only. All species: Release all fish.

From 6420 Road to Kalama Falls: Closed waters.

Kalispell Creek and tributaries (Pend Oreille County): Last Saturday in April through October 31 season. Selective gear rules.

Keechelus Lake (Reservoir) (Kittitas County): Chumming permitted. Trout except kokanee: Daily limit two, minimum length twelve inches, additionally up to sixteen kokanee may be retained.

Kelsey Creek (tributary of Lake Washington) (King County): The first Saturday in June through August 31 season. Juveniles only.

Kennedy Creek (Thurston County), from mouth to four hundred feet below falls: The first Saturday in June through last day in February season. Anti-snagging rule and night closure October 1 through December 31. Trout: Minimum length fourteen inches. Salmon: Open only October 1 through November 30 from mouth to northbound Highway 101 Bridge. Barbless hooks required. Daily limit 6 fish of which no more than 2 may be adult salmon. Release wild coho.

Kennedy Creek Pond (Thurston County): Last Saturday in April through October 31 season.

Kettle River (Stevens County):

The Saturday before Memorial Day through October 31 season. All species: Selective gear rules. Trout: Minimum length 12 inches. Sturgeon: Unlawful to fish for or retain sturgeon.

Additional season: November 1 through May 31. Whitefish gear rules apply.

Ki Lake (Snohomish County): Last Saturday in April through October 31 season.

Kidney Lake (Skamania County): Last Saturday in April through last day in February season.

Kimball Creek (near Snoqualmie) (King County): Last Saturday in April through October 31 season. Juveniles only. Trout: No minimum length.

Kings Lake and tributaries (Pend Oreille County): Closed waters.

Kings Lake Bog (King County): Closed waters.

Kiwanis Pond (Kittitas County): Juveniles and holders of disability licenses only.

Klaus Lake (King County): Last Saturday in April through October 31 season. Closed waters: The inlet and outlet to first Weyerhaeuser spur.

Klickitat River (Klickitat County):

From mouth to Fisher Hill Bridge: April 1 through January 31 season. Anti-snagging rule and night closure May 1 through May 31. Anti-snagging rule August 1 through January 31. Game fish: Closed December 1 through January 31. Release game fish other than steelhead April 1 through May 31. Trout: Minimum length twelve inches. Steelhead and salmon: Open April 1 through May 31 on Sundays, Mondays, Wednesdays and Saturdays only; daily limit 1 hatchery steelhead or 1 salmon. Release wild Chinook. Salmon: Open June 1 through January 31. June 1 through July 31, daily limit 6 fish, of which no more than 2 may be adult salmon. Release wild Chinook. August 1 through January 31, daily limit 6 fish of which no more than 2 may be adult ((salmon)) Chinook. ((Release wild Chinook June 1 through July 31.))

From Fisher Hill Bridge to four hundred feet above # 5 fishway: Closed waters.

From four hundred feet above # 5 fishway to the Yakama Indian Reservation boundary: June 1 through November 30

season, except waters from boundary markers above Klickitat salmon hatchery to boundary markers below hatchery are closed waters. Trout: Minimum length twelve inches. Additional December 1 through March 31 season. Whitefish gear rules apply. Salmon: Open only June 1 through November 30 from 400 feet above No. 5 Fishway to boundary markers below Klickitat Salmon Hatchery. June 1 through July 31((=)), daily limit 6 salmon. Release adult salmon and release wild Chinook. August 1 through ((November 30=)) October 31, daily limit 6 fish of which no more than 2 may be adult ((salmon)) Chinook. ((Release Chinook. ((Additional December 1 through March 31 season. Whitefish gear rules apply.))

From the Yakama Indian Reservation boundary upstream to source, including all tributaries: Closed waters.

Klineline Ponds (Clark County): Trout: No more than 2 trout 20 inches in length or greater may be retained.

Koeneman Lake (Fern Lake) (Kitsap County): Last Saturday in April through October 31 season. Selective gear rules. All species: Release all fish.

Kress Lake (Cowlitz County): Fishing from a floating device equipped with an internal combustion motor prohibited. Trout: No more than 2 trout 20 inches in length or greater may be retained. Salmon: Landlocked salmon rules apply.

Lacamas Creek (Clark County): Lawful to fish upstream to the base of Lacamas Lake Dam.

Lacamas Creek, tributary of Cowlitz River (Lewis County): Trout: Release all trout except up to two hatchery steelhead may be retained per day.

Lake Creek (Okanogan County): Mouth to Black Lake: Closed waters. Black Lake to Three Prong Creek: Closed waters.

Langlois Lake (King County): Last Saturday in April through October 31 season.

Latah (Hangman) Creek (Spokane County): Year-round season.

Leader Lake (Okanogan County): Last Saturday in April through September 30 season.

Le Clerc Creek and tributaries (Pend Oreille County): Trout: Eastern brook trout not counted in daily trout limit. Eastern brook trout daily limit ten. Once the daily limit of trout other than eastern brook trout has been achieved, the entire daily limit for trout other than eastern brook trout and eastern brook trout has been taken.

Ledbetter Lake (Pend Oreille County): Last Saturday in April through October 31 season.

Ledking Lake (Pend Oreille County): Last Saturday in April through October 31 season.

Leech Lake (White Pass area) (Yakima County): Fly fishing only. Fishing prohibited from floating devices equipped with motors. Trout: No more than one over 14 inches in length.

Lemna Lake (Grant County): April 1 through September 30 season.

Lenice Lake (Grant County): March 1 through November 30 season. Selective gear rules. Trout: Daily limit one.

Lena Lake, Lower (Jefferson County): Closed waters: Inlet stream from mouth upstream to footbridge (about one hundred feet).

Lenore Lake (Grant County): Closed waters: Area within two hundred yard radius of trash rack leading to the irrigation pumping station (south end of lake) and area approximately one hundred yards beyond the mouth of inlet stream to State Highway 17. March 1 through May 31 season: Selective gear rules. All species: Release all fish. Additional season the first Saturday in June through November 30: Selective gear rules. Trout: Daily limit one.

Leo Lake (Pend Oreille County): Last Saturday in April through October 31 season.

Lewis River (Clark County), from mouth to forks: Year-round season. Trout: Release all fish except up to two hatchery steelhead may be retained per day. Salmon: Open year-round. January 1 through July 31, daily limit six ~~((fish))~~ hatchery Chinook of which not more than ~~((2))~~ 1 may be an adult salmon. ~~((Release sockeye, wild Chinook, and wild coho.))~~ August 1 through ~~((December 31))~~ September 30, daily limit 6 hatchery ~~((coho))~~ salmon, of which no more than ~~((4))~~ 2 may be adult hatchery ~~((coho))~~ Chinook. Release all salmon except hatchery Chinook and hatchery coho. October 1 through December 31, daily limit 6 hatchery coho. Sturgeon: Seasons, days of the week, daily limits, and size limits same as in adjacent waters of mainstem Columbia River.

Lewis River, East Fork (Clark/Skamania counties): Closed waters: From the posted markers at the lower end of Big Eddy to one hundred feet above Lucia Falls; from four hundred feet below to four hundred feet above Molton Falls; from four hundred feet below Horseshoe Falls upstream including all tributaries above Horseshoe Falls.

Mouth to 400 feet below Horseshoe Falls: The first Saturday in June through March 15 season. Trout: Release all trout except up to two hatchery steelhead per day may be retained. Mouth to top boat ramp at Lewisville Park: Additional April 16 through the Friday before the first Saturday in June season. Selective gear rules. Release all fish except up to two hatchery steelhead may be retained per day.

Lewis River, North Fork (Clark/Skamania counties):

From mouth to Colvin Creek: Year-round season except those waters shoreward of the cable buoy and corkline at the mouth of the Lewis River Salmon Hatchery fish ladder are closed waters. Anti-snagging rule and night closure April 1 through November 30 from Johnson Creek to Colvin Creek. When anti-snagging rule is in effect, only fish hooked inside the mouth may be retained. ~~((August))~~ October 1 through December 15, fishing from any floating device prohibited from Johnson Creek to Colvin Creek. Trout: Release all fish except up to two hatchery steelhead may be retained per day. Salmon: Open year-round. January 1 through July 31, daily limit ~~((six fish))~~ 6 hatchery Chinook of which ~~((not more than~~

2)) only 1 may be an adult salmon. ~~((Release sockeye, wild Chinook and wild coho.))~~ August 1 through ~~((December 31))~~ September 30, daily limit 6 hatchery ~~((coho))~~ salmon, of which no more than ~~((4))~~ 2 may be adult hatchery ~~((coho))~~ Chinook. Release all salmon except hatchery Chinook and hatchery coho. October 1 through December 31, daily limit 6 hatchery coho. Sturgeon: Seasons, days of the week, daily limits, and size limits same as in waters of mainstem Columbia River adjacent to mouth of Lewis River.

From mouth of Colvin Creek to overhead powerlines at Merwin Dam: May 1 through September 30 and December 16 through April 30 season. ~~((August 1 through September 30, fishing from any floating device prohibited.))~~ Anti-snagging rule and night closure April 1 through September 30. When anti-snagging rule is in effect, only fish hooked inside the mouth may be retained. Trout: Release all fish except up to two hatchery steelhead may be retained per day. Salmon: Open only January 1 through September 30 and December 16 through December 31. January 1 through July 31, daily limit 6 ~~((fish))~~ hatchery Chinook of which ~~((no more than 2))~~ only 1 may be an adult salmon. ~~((Release sockeye, wild Chinook and wild coho.))~~ August 1 through September 30 ~~((and December 16 through December 31))~~, daily limit 6 hatchery ~~((coho))~~ salmon, of which no more than ~~((4))~~ 2 may be adult hatchery ~~((coho))~~ Chinook. Release all salmon except hatchery Chinook and hatchery coho. December 16 through December 31, daily limit 6 hatchery coho. Sturgeon: Seasons, days of the week, daily limits, and size limits same as in waters of mainstem Columbia River adjacent to mouth of Lewis River.

From overhead powerlines at Merwin Dam to Merwin Dam: Closed waters.

From the cable crossing 1,300 feet below Yale Dam to Yale Dam: Closed waters.

Within Lewis River Power Canal: From the fishing pier to the access road at Swift Dam: Last Saturday in April through October 31 season. Fishing from a floating device prohibited. Trout: No minimum size, daily limit 5.

From Eagle Cliff Bridge to lower falls including all tributaries: Selective gear rules. All species: Release all fish.

Liberty Lake (Spokane County): March 1 through October 31 season.

Lilliwaup River (Mason County): Mouth to 200 feet below falls: The first Saturday in June through August 31 season. Selective gear rules. All species: Release all fish.

Lilly Lake (Chelan County): Last Saturday in April through October 31 season. July 5 through October 31, selective gear rules, and all species: Release all fish.

Limerick Lake (Mason County): Last Saturday in April through October 31 season.

Lincoln Pond (Clallam County): Juveniles only.

Lions Park Pond (Walla Walla County): Juveniles only. Trout: No more than 2 trout over 13 inches in length may be retained.

Little Ash Lake (Skamania County): Trout: No more than 2 trout 20 inches in length or greater may be retained.

Little Bear Creek (tributary of Sammamish River) (Snohomish/King counties): The first Saturday in June through August 31 season. Juveniles only.

Little Hoko River (Clallam County): Selective gear rules. All species: Release all fish.

Little Klickitat River (Klickitat County), within Goldendale city limits: Last Saturday in April through October 31 season. Juveniles only. Trout: Daily limit five, no minimum length.

Little Lost Lake (Pend Oreille County): Last Saturday in April through October 31 season.

Little Naches River (Yakima County): Selective gear rules.

Little Nisqually River (Lewis County): Selective gear rules. Trout: Minimum length ten inches.

Little Pend Oreille River (Stevens County) from the Little Pend Oreille wildlife refuge boundary about 1 mile downstream from the refuge headquarters office to Crystal Falls: Saturday before Memorial Day through October 31 season. Selective gear rules, and all species: Release all fish except up to five Eastern brook trout may be retained.

Little Quilcene River (Jefferson County), from mouth to the Little Quilcene River Bridge on Penny Creek Road: All species: Selective gear rules and release all fish. Closed waters: Mouth to Highway 101 Bridge September 1 through October 31.

Little Spokane River (Spokane County):

From mouth to SR 291 Bridge: Year-round season.

From SR 291 Bridge upstream to the West Branch: Last Saturday in April through October 31 season. Additional December 1 through March 31 season. Whitefish gear rules apply.

Upstream from bridge at Frideger Road: Closed waters: From the inlet to Chain Lake upstream one-quarter mile to the railroad crossing culvert. Trout: Release kokanee taken upstream from bridge.

Little Twin Lake (Okanogan County): Last Saturday in April through October 31 season. Selective gear rules. Trout: Daily limit one.

Little Twin Lake (Stevens County): Last Saturday in April through October 31.

Little Wenatchee River (Chelan County): From Lake Wenatchee to the falls below U.S. Forest Service Road 6700 Bridge at Riverside Campground: Closed waters.

Little White Salmon River (Skamania County): Closed waters: From the orange fishing boundary markers at Drano Lake upstream to the intake near the Little White Salmon National Fish Hatchery north boundary. Trout: Daily limit five. Drano Lake (waters downstream of markers on point of land downstream and across from Little White Salmon National Fish Hatchery): May 1 through March 31 season, except for hatchery steelhead and Chinook season in April, and except closed Wednesdays beginning the second Wednesday in April through May 31 and from 6 p.m. Tuesday through 6 p.m. Wednesday, October 1 through October

31. Anti-snagging rule and night closure May 1 through June 30. Anti-snagging rule August 1 through December 31. March 16 through June 30 daily limit of two fish, of which one or both may be hatchery steelhead or one or both may be Chinook salmon. Release wild Chinook. Trout and salmon: May 1 through June 30 release all fish except hatchery steelhead and Chinook salmon. Trout: July 1 through March 15 release all fish except up to two hatchery steelhead may be retained per day. Salmon: Open only August 1 through December 31. Daily limit six fish of which no more than two may be adult salmon. Release wild coho and wild jack Chinook.

Lone Lake (Island County): Selective gear rules. Trout: Daily limit one, minimum length 18 inches.

Long Lake (Ferry County): Last Saturday in April through October 31 season. Fly fishing only. Unlawful to fish from floating devices equipped with motors.

Long Lake (Okanogan County): Last Saturday in April through September 30 season.

Long Lake (Thurston County): Last Saturday in April through October 31 season.

Long's Pond (Thurston County): Juveniles only.

Loomis Lake (Pacific County): Last Saturday in April through October 31 season.

Loomis Pond (Grays Harbor County): Closed waters.

Loon Lake (Stevens County): Last Saturday in April through October 31 season. Trout except kokanee: Daily limit five, except no more than two over twenty inches in length may be retained. Kokanee not counted in daily trout limit. Kokanee daily limit ten.

Lost Lake (Kittitas County): Trout: Not more than 1 fish over 14 inches in length.

Lost Lake (Okanogan County): Unlawful to fish from a floating device equipped with an internal combustion engine.

Lost River (Okanogan County):

From mouth to mouth of Monument Creek: Closed waters.

From mouth of Monument Creek to outlet of Cougar Lake: Selective gear rules. Trout: Legal to retain Dolly Varden/Bull Trout as part of trout daily limit. Dolly Varden/Bull Trout daily limit two, minimum length fourteen inches.

Love Lake (Clark County): Closed waters.

Lucky Duck Pond (Stevens County): Juveniles only.

Ludlow Lake (Jefferson County): Last Saturday in April through October 31 season.

Lyle Lake (Adams County): April 1 through September 30 season.

Lyre River (Clallam County):

From mouth to falls near river mile 3: The first Saturday in June through last day in February season. Trout: Minimum length fourteen inches.

From falls to source: Selective gear rules. All species: Release all fish.

Mad River (Chelan County), from mouth upstream to Jimmy Creek: Closed waters.

Maggie Lake (Mason County): Last Saturday in April through November 30 season. Salmon: Landlocked salmon rules apply.

Margaret Lake (King County): Last Saturday in April through October 31 season.

Marshal Lake (Pend Oreille County): Last Saturday in April through October 31 season.

Martha Lake (Grant County): March 1 through July 31 season.

Martha Lake (Snohomish County): Last Saturday in April through October 31 season.

Mashel River (Pierce County): July 1 through October 31 season. Selective gear rules. All species: Release all fish except up to two hatchery steelhead may be retained per day.

Mattoon Lake (Kittitas County): Fishing from a floating device equipped with an internal combustion engine prohibited.

May Creek (tributary of Lake Washington) (King County): The first Saturday in June through August 31 season. Juveniles only.

Mayfield Lake (Reservoir) (Lewis County): Mayfield Dam to 400 feet below Mossyrock Dam: Closed waters: Tacoma Power safety signs at Onion Rock Bridge to Mossyrock Dam. Trout and salmon: Minimum length eight inches. Trout: Release cutthroat. Release rainbow trout except rainbow trout with a clipped adipose fin and a healed scar at the site of the clipped fin. Salmon: Open only September 1 through December 31. Daily limit 6 fish of which no more than 2 may be adult salmon. Release wild coho.

McAllister Creek (Thurston County): Anti-snagging rule and night closure August 1 through November 30. Trout: Minimum length fourteen inches. Salmon: Open only July 1 through November 30 from mouth to Olympia - Steilacoom Road Bridge. Daily limit 6 fish of which no more than 2 may be adult salmon.

McCabe Pond (Kittitas County): Fishing from any floating device prohibited. All species: Five fish daily limit for all species combined.

McDonald Creek (Clallam County): Trout: Minimum length fourteen inches.

McDowell Lake (Stevens County): Last Saturday in April through October 31 season. Fly fishing only. Fishing from a floating device equipped with a motor prohibited. All species: Release all fish.

McIntosh Lake (Thurston County): Last Saturday in April through October 31 season.

McLane Creek (Thurston County): Anti-snagging rule and night closure August 1 through October 31. Trout: Minimum length fourteen inches.

McLane Creek Ponds (Thurston County): Last Saturday in April through October 31 season.

McManaman Lake (Adams County): April 1 through September 30 season.

McMurray Lake (Skagit County): Last Saturday in April through October 31. Salmon: Landlocked salmon rules apply.

Medical Lake (Spokane County): March 1 through October 31 season. Selective gear rules except fishing from a floating device equipped with a motor prohibited. Trout: Daily limit two, minimum length fourteen inches.

Medical Lake, West (Spokane County): Last Saturday in April through September 30 season.

Melaney Creek (Mason County): Closed waters.

Melbourne Lake (Mason County): Last Saturday in April through October 31 season.

Mercer Creek (Kittitas County), that portion within Ellensburg city limits: Juveniles only.

Mercer Slough (tributary of Lake Washington) (King County): The first Saturday in June through August 31 season. Juveniles only.

Merrill Lake (Cowlitz County): Fly fishing only. Unlawful to fish from a floating device equipped with an internal combustion engine. Trout: Daily limit two, maximum length twelve inches.

Merritt Lake (Chelan County): Trout: Daily limit sixteen.

Merry Lake (Grant County): March 1 through November 30 season. Selective gear rules. Trout: Daily limit one.

Merwin Lake (Reservoir) (Clark/Cowlitz County): Salmon: Landlocked salmon rules apply.

Methow River (Okanogan County):

Mouth to County Road 1535 (Burma Road) Bridge: Closed waters. County Road 1535 (Burma Road) Bridge to Foghorn Dam: The first Saturday in June through September 30 season: Selective gear rules. All species: Release all fish. Foghorn Dam to Weeman Bridge: The first Saturday in June through August 15 season. Selective gear rules. All species: Release all fish. Upstream from Weeman Bridge to the falls above Brush Creek: Closed waters the first Saturday in June through October 31. Additional season Gold Creek to falls above Brush Creek: December 1 through March 31. White-fish gear rules apply.

Methow River tributaries not otherwise provided for: Selective gear rules. Trout: Maximum length twenty inches.

Middle Nemah Pond (Pacific County): The first Saturday in June through October 31 season.

Mill Creek (Chelan County): Closed waters.

Mill Creek (Cowlitz County): The first Saturday in June through August 31 and November 1 through March 15 seasons. Trout: Release all fish except up to two hatchery steelhead may be retained per day.

Mill Creek (Lewis County): Additional season December 1 through December 31, mouth to hatchery road crossing culvert. Anti-snagging rule and night closure. All species: Release all fish except that up to two hatchery steelhead with intact ventral fins may be retained per day.

Mill Creek (Mason County): Trout: Minimum length fourteen inches.

Mill Creek and tributaries (Pend Oreille County): Trout: Eastern brook trout not counted in daily trout limit. Eastern brook trout daily limit ten. Once the daily limit of trout other than eastern brook trout has been achieved, the entire daily limit for trout other than eastern brook trout and eastern brook trout has been taken.

Mill Creek (Walla Walla County):

From mouth to Gose St. Bridge: The first Saturday in June through March 31 season. All species: Barbless hooks required and release all fish except hatchery steelhead September 1 through March 31. Trout: Daily limit three hatchery steelhead.

From Gose St. Bridge to Roosevelt St. Bridge, within city limits of Walla Walla: Closed waters.

From Roosevelt St. Bridge upstream, including all tributaries: All tributaries: Closed waters. Selective gear rules. Trout: Maximum length twenty inches.

Mill Creek Pond (Grays Harbor County): Juveniles only.

Mill Pond (Auburn) (King County): Last Saturday in April through October 31 season. Juveniles only except open to all ages during Free Fishing Weekend (as defined in WAC 220-56-160).

Mill Pond (Pend Oreille County): Last Saturday in April through October 31 season.

Mineral Creek (tributary to upper Kachess River) (Kittitas County), from mouth to Wilderness Boundary: Closed waters.

Mineral Creek (tributary to Nisqually River), and Mineral Creek, North Fork (Lewis County): Selective gear rules. Trout: Minimum length twelve inches.

Mineral Lake (Lewis County): Last Saturday in April through September 30 season.

Minter Creek (Pierce/Kitsap counties): Closed waters: Area from department intake dam downstream to mouth the first Saturday in June through October 31. Trout: Minimum length fourteen inches. Salmon: Open only November 1 through December 31 from mouth to 50 feet downstream of the hatchery rack. Daily limit 4 chum.

Mirror Lake (Grant County): Last Saturday in April through September 30 season.

Mission Lake (Kitsap County): Last Saturday in April through October 31 season.

Moclips River (Grays Harbor County), from mouth to the Quinault Indian Reservation: The first Saturday in June through last day in February season. Trout: Minimum length fourteen inches.

Molson Lake (Okanogan County): Fishing from a floating device equipped with an internal combustion engine prohibited.

Monte Christo Lake (Snohomish County): The first Saturday in June through October 31 season. Selective gear rules.

Mooses Pond (Pacific County): The first Saturday in June through October 31 season.

Moran Slough (including inlet and outlet streams) (Grant County): Closed waters.

Morgan Lake (Adams County): April 1 through September 30 season.

Morse Creek (Clallam County), from mouth to Port Angeles Dam: December 1 through last day in February season. Trout: Minimum length fourteen inches.

Moses Lake (Grant County): Crappie: Daily limit ten, only crappie more than nine inches in length may be retained. Bluegill: Daily limit five, only bluegill more than eight inches in length may be retained. Walleye: Daily limit 8 walleye. Minimum length twelve inches. No more than one walleye over 22 inches in length may be retained. Yellow perch: Daily limit 25 yellow perch.

Mosquito Creek (Jefferson County), outside Olympic National Park: The first Saturday in June through last day in February season. Selective gear rules. Trout: Minimum length fourteen inches.

Mountain Lake (San Juan County): Trout: Daily limit may not contain more than one trout over 18 inches in length.

Muck Creek and tributaries (within Ft. Lewis Military Reservation) (Pierce County): Selective gear rules. Trout: Release all trout.

Mud Lake (Mason County): Last Saturday in April through October 31 season.

Mud Lake (Yakima County): Selective gear rules. Trout: Daily limit one.

Mudget Lake (Stevens County): Last Saturday in April through October 31 season.

Munn Lake (Thurston County): Last Saturday in April through October 31 season. Additional season March 1 through the Friday before the last Saturday in April. All species: Selective gear rules and release all fish.

Muskegon Lake (Pend Oreille County): Last Saturday in April through October 31 season. Selective gear rules. Trout: Daily limit two.

Murray Creek (Pierce County): Closed waters.

Myron Lake (Yakima County): Selective gear rules. Trout: Daily limit one.

Mystic Lake (Pend Oreille County): Last Saturday in April through October 31 season.

Naches River (Yakima/Kittitas counties):

From the mouth to Little Naches River: Selective gear rules. Trout: Minimum length twelve inches, maximum length twenty inches. Release trout the first Saturday in June through October 31 from confluence with Tieton River to mouth of Rattle Snake Creek. Additional December 1 through March 31 season. Whitefish gear rules apply.

Naneum Creek (Kittitas County): Selective gear rules.

Naneum Pond (Kittitas County): Juveniles only.

Napeequa River (Chelan County): Mouth to Twin Lakes Creek: Closed waters.

Naselle River (Pacific/Wahkiakum counties), from Highway 101 Bridge upstream including all forks: Closed waters: Area from four hundred feet below falls in Sec. 6, T10N, R8W (Wahkiakum County) to falls. Waters from the North Valley Road Bridge (Big Hill Bridge) to Highway 4 closed August 16 through October 15.

Mainstem: The first Saturday in June through April 15 season, except sturgeon. Single point barbless hooks required August 16 through November 30 upstream from Highway 4 Bridge to Crown Main Line (Salme) Bridge. Anti-snagging rule and night closure August 16 through November 30 downstream from North Fork. Stationary gear restrictions above mouth of South Fork August 16 through November 30. Selective gear rules March 1 through April 15 above mouth of South Fork. All game fish: Release all fish except up to two hatchery steelhead per day may be retained. Salmon: Open only August 1 through January 31 from Highway 101 Bridge to Highway 4 Bridge and October 16 through January 31 from the Highway 4 Bridge to the Crown Main Line Bridge. Daily limit 6 fish, of which no more than 3 may be adult salmon and of these 3 adult fish, no more than 2 may be adult Chinook and no more than 1 may be a wild adult coho. Release (~~wild coho~~) chum.

Sturgeon: Open year-round from mouth to Highway 4 Bridge.

From mouth of North Fork to source: Selective gear rules. All species: Release all fish except up to two hatchery steelhead per day may be retained.

South Fork, from mouth to Bean Creek: The first Saturday in June through last day in February season, except sturgeon. Anti-snagging rule and night closure August 16 through November 30. Game fish: Release game fish except up to two hatchery steelhead per day may be retained. Sturgeon: Open year-round.

Nason Creek (Chelan County): From the mouth upstream to Smith Brook: Closed waters.

From Smith Brook to Stevens Creek: Selective gear rules.

Negro Creek (Lincoln County): Year-round season from mouth at Sprague Lake to the fish barrier dam at Fishtrap Lake.

Negro Creek (Whitman County): Last Saturday in April through July 15 season.

Nemah River, North, Middle, and South: The first Saturday in June through March 31 season, except closed August 1 through September 30 on North Nemah from Highway 101 Bridge upstream to Nemah Hatchery. Single point barbless hooks required on North Nemah upstream to the lower bridge on dead end lower Nemah Road October 1 through November 30, on Middle Nemah upstream to the Department of Natural Resources Bridge on Middle Nemah A-line Road August 16 through November 30, and on South Nemah upstream to confluence with Middle Nemah August 16 through November 30. Selective gear rules on Middle Nemah above DNR Bridge and South Nemah above confluence with Middle Nemah. Night closure August 16 through November 30 on South Nemah to the confluence with Middle Nemah and Middle Nemah and October 1 through November 30 on North Nemah. Anti-snagging rule on North Nemah upstream from bridge on dead end lower Nemah Road and the Middle Nemah from the DNR Bridge on A-line Road upstream August 16 through November 30. On the North Nemah from the mouth to the lower bridge on dead end lower Nemah Road, stationary gear restriction during the period August 16 through November 30. All game fish: Release all fish except up to two hatchery steelhead per day may be retained. Salmon: Open only August 1 through January 31 on Middle Nemah from mouth to DNR Bridge and South Nemah from mouth to confluence with Middle Nemah, and open October 1 through January 31 on North Nemah from mouth to the lower bridge on dead end Lower Nemah Road. Middle and South Nemah: Daily limit 6 fish, of which no more than 2 may be adult salmon and of the two adult fish, no more than one may be a wild adult coho. Release chum. North Nemah: Daily limit 6 salmon of which (~~not~~) no more than 3 may be adult salmon, and of the 3 adult fish, no more than one may be a wild adult coho and no more than two may be adult Chinook. Release chum.

Newhalem Ponds (Whatcom County): Closed waters.

Newaukum River, main river and South Fork upstream to Highway 508 Bridge near Kearny Creek (Lewis County): The first Saturday in June through March 31 season. Night closure and single point barbless hooks required August 16 through November 30 from mouth to Leonard Road. Trout: Minimum length fourteen inches from mouth to Highway 508 Bridge near Kearny Creek. Salmon: Open only October 16 through last day in February from mouth to Leonard Road. Daily limit 6 fish, of which no more than 2 may be adult salmon. Release chum, wild coho, and adult Chinook.

Newaukum River, Middle Fork, mouth to Taucher Road Bridge (Lewis County): The first Saturday in June to March 31 season. Trout: Minimum length fourteen inches.

Newaukum River, North Fork (Lewis County):

From mouth to four hundred feet below Chehalis city water intake: The first Saturday in June through March 31 season. Trout: Minimum length fourteen inches.

From 400 feet below Chehalis city water intake upstream: Closed waters.

Niawiakum River (Pacific County): From Highway 101 Bridge to the South Bend/Palix Road Bridge: Night closure and single point barbless hooks required August 16 through November 30. All game fish: Release all fish. Salmon: Open only September 1 through November 30 from Highway 101 Bridge to South Bend/Palix Road Bridge. Daily limit 6 fish, of which no more than 2 may be adult salmon and of the 2 adult fish (~~(not more than)~~), only one may be a wild adult coho. Release chum and adult Chinook.

Nile Lake (Pend Oreille County): Last Saturday in April through October 31 season.

Nisqually River (Pierce County), from mouth to Military Tank Crossing Bridge: July 1 through January 31 season. Anti-snagging rule and night closure August 1 through November 30. Trout: Minimum length fourteen inches. All species: Release all species except salmon December 1 through January 31. Salmon: Open only July 1 through January 31 from mouth to Military Tank Crossing Bridge. Daily limit 6 fish of which no more than ((2)) 3 may be adult salmon, and of the adult salmon only 2 may be any combination of pink, chum and coho. Release wild adult Chinook.

From Military Tank Crossing Bridge to four hundred feet below LaGrande Falls: July 1 through October 31 season. Selective gear rules. All species: Release all fish except up to two hatchery steelhead may be retained per day. Selective gear rules.

Nooksack River (Whatcom County), from mouth to forks, Middle Fork to Dam and North Fork to Nooksack Falls: The first Saturday in June through last day in February season except closed the first Saturday in June through September 30 in mainstem from yellow marker at the FFA High School barn at Deming to confluence of the North and South Forks. Fishing from floating devices equipped with motors prohibited on the North and Middle Forks November 1 through last day in February. Anti-snagging rule and night closure the first Saturday in June through November 30 on mainstem and North Fork to Maple Creek. Trout: Minimum length fourteen inches. Salmon: Open only September 1 through December 31 in mainstem from Lummi Indian Reservation boundary to yellow marker at the FFA High School barn in Deming. Open only October 16 through December 31 in mainstem from the FFA barn to the confluence of the North and South Forks, and October 1 through October 31 on the North Fork from confluence to Maple Creek. Daily limit 2 salmon, except release wild coho, release wild Chinook from mouth to FFA barn, and release Chinook from FFA barn to forks and in North Fork. In years ending in odd numbers, release pink salmon.

Nooksack River, South Fork (Skagit/Whatcom counties): From mouth to Skookum Creek: The first Saturday in June through last day in February season (~~(except closed July 1 through October 15 from Saxon Road Bridge to mouth of Skookum Creek)~~). Selective gear rules. Night closure the first Saturday in June through November 30. Trout: Minimum length fourteen inches. Salmon: Open only October 16 through December 31. Daily limit 2 salmon, except release Chinook and wild coho. In years ending in odd numbers, release pink salmon.

From Skookum Creek upstream: Closed waters.

No Name Lake (Pend Oreille County): Last Saturday in April through October 31 season.

North Creek (Okanogan County): From mouth to falls at river mile 0.8: Closed waters.

North Creek (tributary of Sammamish River) (Snohomish/King counties): The first Saturday in June through August 31 season. Juveniles only.

North Elton Ponds (Yakima County): December 1 through March 31 season. Fishing from a floating device equipped with an internal combustion engine prohibited. Trout: Daily limit two.

North Lake (King County): Last Saturday in April through October 31 season.

North Potholes Reserve Ponds (Grant County): February 1 through the day before opening of waterfowl season. Fishing from any floating device prohibited, except float tubes permitted.

North River (Grays Harbor/Pacific counties), from Highway 105 Bridge upstream to Falls River: The first Saturday in June through last day in February season, except sturgeon. Night closure August 16 through November 30. Single point barbless hooks required August 16 through November 30 upstream to Salmon Creek. Anti-snagging rule and night closure from Salmon Creek to Falls River August 16 through November 30. All game fish: Release all fish except that up to two hatchery steelhead per day may be retained. Salmon: Open only September 1 through November 30 from Highway 105 Bridge to Salmon Creek. Daily limit 6 fish, of which no more than 2 may be adult salmon, and of the 2 adult fish (~~(not more than)~~), only one may be a wild adult coho. Release chum and adult Chinook. Sturgeon: Open year-round from Highway 105 Bridge to Salmon Creek.

Upstream from Falls River: Selective gear rules. All species: Release all fish except up to two hatchery steelhead per day may be retained.

Northern State Hospital Pond (Skagit County): Last Saturday in April through October 31 season. Juveniles only.

Northwestern Reservoir (Klickitat/Skamania counties): Last Saturday in April through last day in February season.

Nunnally Lake (Grant County): March 1 through November 30 season. Closed waters: Outlet stream of Nunnally Lake. Selective gear rules. Trout: Daily limit one.

Oakland Bay freshwater tributaries (Mason County), except Goldsborough Creek (including Shelton Creek, Canyon Creek, Uncle John Creek, Campbell Creek, Melaney Creek, Deer Creek, John's Creek, and Cranberry Creek to Lake Limerick): Closed waters.

Ohanapecosh Creek (tributary to Cowlitz River) (Lewis/Pierce counties): Selective gear rules. Trout: Minimum length twelve inches.

Ohop Creek (Pierce County): July 1 through October 31 season. All species: Selective gear rules and release all fish except up to two hatchery steelhead per day may be retained.

Ohop Lake (Pierce County): Last Saturday in April through October 31 season.

Okanogan River (Okanogan County):

From the mouth to the highway bridge at Malott: Year-round season. Trout: Release all trout. Upstream from the highway bridge at Malott: The first Saturday in June through August 31 season. Trout: Release all trout. Salmon: Open only July 1 through October 15 from mouth to Highway 97 Bridge immediately upstream of mouth. Daily limit 6 fish of which no more than 2 may be adult salmon. Release coho and sockeye. All species: Anti-snagging rule and night closure July 1 through October 15.

Closed waters: From Zosel Dam downstream to first Highway 97 Bridge.

Old Fishing Hole Pond (Kent) (King County): Last Saturday in April through October 31 season. Juveniles only.

Old Mill Stream (Chelan County): Closed waters.

Olequa Creek (Lewis County): Trout: Release all trout except up to two hatchery steelhead may be retained per day.

Osborne Lake (Mason County): Last Saturday in April through October 31 season.

Outlet Creek (Klickitat County): Trout: Daily limit five.

Owens Pond (Pacific County): The first Saturday in June through October 31 season.

Packwood Lake (Lewis County): Closed waters: All inlet streams and outlet from log boom to dam. Last Saturday in April through October 31 season. Selective gear rules. Trout: Daily limit five, minimum length ten inches.

Padden Lake (Whatcom County): Last Saturday in April through October 31 season. Fishing from a floating device equipped with an internal combustion motor prohibited.

Palix River, including all forks (Pacific County): The first Saturday in June through March 31 season, except sturgeon. Single point barbless hooks and night closure August 16 through November 30 upstream to the confluence of the South and Middle Forks. All game fish: Release all fish except up to two hatchery steelhead per day may be retained. Above the confluence of the South and Middle Forks: Selective gear rules. Anti-snagging rule and night closure August 16 through November 30. All game fish: Release all fish except up to two hatchery steelhead per day may be retained. Salmon: Open only September 1 through November 30 from the Highway 101 Bridge to the confluence of the South and Middle Forks. Daily limit 6 fish, of which no more than 2 may be adult salmon, and of the 2 adult salmon (~~not more than~~), only one may be a wild adult coho. Release chum and adult Chinook. Sturgeon: Open year-round from the Highway 101 Bridge to the confluence of the South and Middle Forks.

Palouse River and tributaries, except Rock Creek (Whitman County): Year-round season. Mainstem from mouth to base of Palouse Falls. Trout: Daily limit 6 fish, minimum length 10 inches, no more than 3 trout over 20 inches may be retained, except release all trout April 1 through June 15 and

release steelhead June 16 through August 31. Barbless hooks required when fishing for steelhead. Walleye: Daily limit 10 fish, no minimum size. No more than 5 walleye over 18 inches in length may be retained, and no more than 1 walleye over 24 inches in length may be retained. Channel catfish: No daily limit.

Palouse River mainstem above Palouse Falls and tributaries except Rock Creek: Year-round season.

Pampa Pond (Whitman County): March 1 through September 30 season. Fishing from any floating device prohibited. Trout: No more than two over 13 inches in length may be retained.

Panhandle Lake (Mason County): Last Saturday in April through October 31 season.

Panther Creek (Chelan County): Closed waters.

Panther Creek (tributary to Wind River) (Skamania County): Closed waters.

Panther Lake (Kitsap/Mason counties): Last Saturday in April through October 31 season.

Para-Juvenile Lake (Adams/Grant counties): April 1 through September 30 season. Juveniles only.

Park Lake (Grant County): Last Saturday in April through September 30 season.

Parker Lake (Pend Oreille County): Last Saturday in April through October 31 season.

Pass Lake (Skagit County): Fly fishing only. Fishing from a floating device equipped with a motor prohibited. All species: Release all fish.

Pataha Creek (Garfield County):

Within the city limits of Pomeroy: Juveniles only.

From city limits of Pomeroy upstream: Selective gear rules.

Pattison Lake (Thurston County): Last Saturday in April through October 31 season.

Peabody Creek (Clallam County): Juveniles only.

Pearrygin Lake (Okanogan County): Last Saturday in April through September 30 season.

Pend Oreille River (Pend Oreille County): Year-round season. All sloughs within the boundaries of the Kalispell Reservation except Calispell Slough: Closed waters.

Perch Lake (Grant County): Last Saturday in April through September 30 season.

Percival Creek (Thurston County): Trout: Minimum length fourteen inches.

Peshastin Creek (Chelan County): Mouth to Ruby Creek: Closed waters.

Petit Lake (Pend Oreille County): Last Saturday in April through October 31 season. Fishing from a floating device equipped with an internal combustion motor prohibited.

Phalon Lake (Stevens County): Closed waters.

Pheasant Lake (Jefferson County): Last Saturday in April to October 31 season.

Phelps Creek (Chelan County): From mouth to falls at river mile 1: Selective gear rules.

Philippa Creek (tributary to N.F. Snoqualmie River) (King County): Closed waters.

Phillips Lake (Mason County): Last Saturday in April through October 31 season.

Phillips Lake (Stevens County): Last Saturday in April through October 31 season.

Pilchuck Creek (Snohomish County), mouth to Highway 9 Bridge: The first Saturday in June through November 30 season. Selective gear rules. Trout: Minimum length fourteen inches. Additional December 1 through last day in February season. Trout: Minimum length fourteen inches.

Pilchuck River (Snohomish County)

From its mouth to five hundred feet downstream from the Snohomish City diversion dam: December 1 through last day in February season. Fishing from any floating device prohibited. Trout: Minimum length fourteen inches.

From 500 feet below diversion dam upstream: Closed waters.

Pillar Lake (Grant County): April 1 through September 30 season.

Pine Lake (King County): Last Saturday in April through October 31 season.

Pine Lake (Mason County): Last Saturday in April through October 31 season.

Ping Pond (Grant County): Third Saturday in April through Labor Day season. Juveniles and holders of reduced fee disability licenses only. Game fish: Daily limit of five fish in the aggregate. No minimum or maximum size for any species.

Pioneer Ponds (tributary to Stillaguamish River) (Snohomish County): Closed waters.

Pipers (Carkeek) Creek (King County), from its mouth to its source, including tributaries: Closed waters.

Pit Lake (Douglas County): Juveniles only.

Pleasant Lake (Clallam County): Trout: Kokanee minimum length eight inches, maximum length twenty inches.

Plummer Lake (Lewis County): Last Saturday in April through last day in February season.

Poacher Lake (Grant County): April 1 through September 30 season.

Portage Creek (tributary to Stillaguamish River) (Snohomish County): Closed waters.

Potholes Reservoir (Grant County): Crappie: Minimum length nine inches. Crappie and bluegill: Combined daily limit twenty-five fish. Perch: Daily limit twenty-five fish. Walleye: Minimum size 12 inches in length. Daily limit 8

walleye, not more than 1 of which may be greater than 22 inches in length.

Potter's Pond (Stevens County): Last Saturday in April through October 31 season.

Pratt River (tributary to Middle Fork Snoqualmie) (King County): Selective gear rules. All species: Release all fish.

Prices Lake (Mason County): Selective gear rules. All species: Release all fish.

Promised Land Pond (Grays Harbor County): The first Saturday in June through October 31 season.

Purdy Creek (Mason County): The first Saturday in June through July 31 season. Selective gear rules. All species: Release all fish.

Puyallup River (Pierce County):

From mouth to the Electron power plant outlet: July 1 through last day in February season, except closed August 23 from mouth to city of Puyallup outfall structure near junction of Freeman Road and North Levee Road. Single-point barbless hooks, anti-snagging rule and night closure August 1 through November 30 from the mouth to the Carbon River. Trout: Minimum length fourteen inches. Salmon: Open only August 16 through December 31 from mouth to Carbon River, except closed August 23 from mouth to city of Puyallup outfall structure near junction of Freeman Road and North Levee Road. In years ending in even numbers, daily limit 6 fish, of which no more than 2 may be adult salmon. Release wild adult Chinook. In years ending in odd numbers, daily limit 6 fish, of which no more than 4 may be adult salmon, and of the adult salmon, no more than 2 may be any combination of Chinook, coho, and chum. Release wild adult Chinook.

From Electron power plant outlet upstream: July 1 through October 31 season. Selective gear rules. All species: Release all fish.

Pysht River (Clallam County): The first Saturday in June through last day in February season. Trout: Minimum length fourteen inches. December 1 through last day in February, one wild steelhead per day may be retained.

Pysht River South Fork (Clallam County): Trout: Minimum length fourteen inches.

Quail Lake (Adams County): Fly fishing only. Fishing from any floating device equipped with a motor prohibited. All species: Release all fish.

Quarry Pond (Walla Walla County): Fishing from any floating device prohibited. Trout: No more than 2 trout over 13 inches in length may be retained.

Quigg Lake (Grays Harbor County): The first Saturday in June through April 15 season. Trout: Daily limit 2. Minimum length fourteen inches. Salmon: Open only October 1 through January 31. Daily limit 6 hatchery coho salmon of which no more than 4 may be adult hatchery coho.

Quillayute River (Clallam County): Open year-round outside of Olympic National Park only. May 1 through the Friday before the first Saturday in June release all game fish except

up to two hatchery steelhead per day may be retained. Trout: Minimum length fourteen inches. November 1 through last day in February, daily limit three steelhead. December 1 through April 30, one wild steelhead per day may be retained. Salmon: Open only February 1 through November 30. ~~((Daily limit 6 fish of which no more than 2 may be adult salmon February 1 through August 31 and 3 may be adult salmon September 1 through November 30. September 1 through October 31 the daily limit may contain no more than 2 adult Chinook, release wild adult coho, and selective gear rules. November 1 through November 30 the 3 adult salmon may contain no more than 2 adult Chinook or 2 adult wild coho or 1 adult Chinook and 1 adult wild coho. February 1 through August 31 release wild adult coho and wild adult Chinook.))~~ February 1 through August 31, daily limit 6 fish of which no more than 2 may be adult salmon. Release wild adult Chinook and wild adult coho. September 1 through November 30, daily limit 6 fish of which no more than 4 may be adult salmon, and of the 4 adult salmon, no more than 2 may be any combination of Chinook, wild coho, pink, sock-eye, and chum salmon.

Quinault River, Upper (Jefferson County), from mouth at upper end of Quinault Lake to the National Park boundary: The first Saturday in June through April 15 season. Trout: Minimum length fourteen inches. December 1 through April 15, one wild steelhead per day may be retained. Salmon: Open only July 1 through October 31. Daily limit 6 fish ~~((except release)), of which no more than 2 may be adult salmon.~~

Quincy Lake (Grant County): March 1 through July 31 season.

Radar Ponds (Pacific County): Salmon: Landlocked salmon rules apply.

Raging River (King County), from its mouth to the Highway 18 Bridge: The first Saturday in June through last day in February season. Trout: Minimum length fourteen inches.

Rainbow Lake (Columbia County): March 1 through October 31 season. Fishing from any floating device prohibited. Trout: No more than 2 trout over 13 inches in length may be retained.

Rapjohn Lake (Pierce County): Last Saturday in April through October 31 season.

Rat Lake (Okanogan County): April 1 through November 30: Selective gear rules. All species: Release all fish.

Rattlesnake Creek (Yakima County): Selective gear rules. All species: Release all fish.

Rattlesnake Lake (King County): Last Saturday in April through October 31 season. Selective gear rules.

Ravensdale Lake (King County): Last Saturday in April through October 31 season. Selective gear rules. Trout: Daily limit two, minimum length twelve inches.

Reflection Pond (Okanogan County): Last Saturday in April through October 31 season.

Renner Lake (Ferry County): Last Saturday in April through October 31 season.

Riffe Lake (Reservoir) (Lewis County): Mossyrock Dam to 400 feet below Cowlitz Falls Dam. Closed waters: Lewis County PUD safety signs approximately 800 feet below Cowlitz Falls Dam to Dam. Lawful to fish up to the base of Swofford Pond Dam. Salmon: Landlocked salmon rules apply.

Rigley Lake (Stevens County): Last Saturday in April through October 31 season. Selective gear rules. Trout: Daily limit two, minimum length twelve inches.

Riley Lake (Snohomish County): Last Saturday in April through October 31 season.

Rimrock Lake (Reservoir) (Yakima County): Chumming permitted. Trout except kokanee: Daily limit five. Kokanee not counted in daily trout limit. Kokanee daily limit sixteen.

Ringold Springs Creek (Hatchery Creek) (Franklin County): Closed waters.

Robbins Lake (Mason County): Last Saturday in April through October 31 season.

Rock Creek (Adams/Whitman counties): Mouth to Endicott Road year-round season.

Endicott Road to bridge on George Knott Road at Revere: Selective gear rules. All species: Release all fish.

Upstream from bridge on George Knott Road: Year-round season.

Rock Creek (Chelan County): Selective gear rules.

Rock Creek (Cedar River tributary below Landsburg Dam) (King County): Closed waters.

Rock Creek (Klickitat County): Mouth to the Army Corps of Engineers Park: Year-round season. Daily limits, size restrictions and gear restrictions are the same as those in the adjacent portion of the Columbia River.

Rock Creek (Skamania County): Mouth to falls. Trout: Release all trout except up to two hatchery steelhead may be retained per day. Above falls, additional November 1 through March 15 season.

Rocky Ford Creek and Ponds (Grant County): Fly fishing only. Fishing from bank only (no wading). All species: Release all fish.

Rocky Lake (Stevens County): Last Saturday in April through October 31 season. June 1 through October 31 selective gear rules and all species: Release all fish.

Roesiger Lake (Snohomish County): Crappie: Daily limit ten, minimum length nine inches.

Roosevelt Lake (Ferry/Lincoln/Stevens counties): All species: Closed waters: (1) March 1 through the Friday immediately preceding Memorial Day weekend from the Little Dalles power line crossing upstream approximately one mile to marked rock point, and from Northport power line crossing upstream to most upstream point of Steamboat Rock; (2) January 1 through May 31 in San Poil arm upstream from outlet

of French Johns Lake; and (3) April 1 through Friday before Memorial Day in Kettle arm upstream to Barstow Bridge. Trout except kokanee: Daily limit five. No more than two over twenty inches in length. Kokanee daily limit two. Wall-eye: No minimum size. Daily limit 8 fish not more than one of which may be longer than 22 inches. Salmon: Landlocked salmon rules apply. Sturgeon: Unlawful to fish for or retain sturgeon from Roosevelt Lake and tributaries. Carp: Unlawful to fish for carp with bow and arrow.

Rose Lake (Mason County): Last Saturday in April through October 31 season.

Ross Lake (Reservoir) (Whatcom County): July 1 through October 31 season. Selective gear rules, except fishing from a floating device equipped with an internal combustion motor allowed. Trout: Daily limit three, possession limit six, minimum length thirteen inches.

Ross Lake tributary streams (Whatcom County), except Big Beaver Creek and Ruby Creek: Closed waters: From closed water markers near mouth upstream for one mile. Above closed water marker in tributaries not listed as closed: July 1 through October 31 season.

Round Lake (Okanogan County): Last Saturday in April through September 30 season.

Rowland Lakes (Klickitat County): Last Saturday in April through last day in February season.

Royal Lake (Adams County): Closed waters.

Royal Slough (including Marsh Unit IV impoundments) (Adams County): Closed waters.

Ruby Creek (tributary to Ross Lake) (Whatcom County): Closed waters.

Ruby Creek and tributaries (Pend Oreille County): Trout: Eastern brook trout not counted in daily trout limit. Eastern brook trout daily limit ten. Once the daily limit of trout other than eastern brook trout has been achieved, the entire daily limit for trout other than eastern brook trout and eastern brook trout has been taken.

Rufus Woods Lake (Douglas County): Chumming allowed. Trout: Daily limit two. Kokanee not included in daily trout limit. Kokanee daily limit 2. Sturgeon: Unlawful to fish for or retain sturgeon from Rufus Woods Lake and tributaries.

Sacheen Lake (Pend Oreille County): Last Saturday in April through October 31 season.

Saddle Mountain Lake (Grant County): Closed waters.

Sago Lake (Grant County): April 1 through September 30 season.

Salmon Creek (Clark County), from mouth to 72nd Avenue N.E.: The first Saturday in June through March 15 season. Trout: Release all fish except up to two hatchery steelhead may be retained per day.

Salmon Creek, including all forks (Jefferson County): Closed waters.

Salmon Creek, mainstem (Okanogan County): Closed waters.

Salmon Creek, North Fork and West Fork from mouth to South Fork (Okanogan County): Selective gear rules.

Salmon Creek (tributary of Naselle River) (Pacific County): The first Saturday in June through last day in February season. Selective gear rules. All species: Release all fish except up to two hatchery steelhead per day may be retained.

Salmon River (Jefferson County) outside of Olympic National Park and Quinalt Indian Reservation: The first Saturday in June through last day in February season. Trout: Minimum length fourteen inches. Hatchery steelhead in this river are steelhead with a dorsal fin height of less than 2-1/8 inches or with an adipose or ventral fin clip. Salmon: Open only September 1 through November 30. Daily limit 6 fish of which no more than 3 may be adult salmon and of the adult salmon not more than 2 may be adult Chinook salmon.

Salt Creek (Clallam County): Trout: Minimum length fourteen inches.

From mouth to bridge on Highway 112: Additional November 1 through last day in February season. Trout: Minimum length fourteen inches.

Samish Lake (Whatcom County): Trout: Cutthroat trout daily limit two, minimum length fourteen inches.

Samish River (Whatcom County):

From its mouth to the Hickson Bridge: The first Saturday in June through March 15 season. From Highway 99 Bridge to department salmon rack: Closed waters. Stationary gear restriction from mouth to Interstate 5 Bridge August 1 through December 31. Anti-snagging rule and night closure August 1 through December 31.

Trout: Minimum length fourteen inches. Salmon: Open only July 1 through December 31 from mouth to Thomas Road Bridge and October 1 through December 31 from Thomas Road Bridge to I-5 Bridge. Daily limit two salmon, release wild coho.

Sammamish Lake (King County): Closed to fishing within 100 yards of the mouth of Issaquah Creek August 16 through November 30. Trout: Release all kokanee. Kokanee/sockeye under fifteen inches are kokanee while those fifteen inches and over are sockeye salmon. December 1 through June 30: Release all steelhead and rainbow trout over twenty inches in length. Salmon: ~~((Closed to salmon fishing within 100 yards of the mouth of Issaquah Creek.))~~ Open only August 16 through November 30. Daily limit four salmon, of which only two may be Chinook. Release sockeye.

Sammamish River (Slough) (King County), from the 68th Avenue N.E. Bridge to Lake Sammamish: January 1 through August 31 season. Selective gear rules. Trout: Release all trout.

Sandyshore Lake (Jefferson County): Last Saturday in April to October 31 season.

San Poil River (Ferry County): Unlawful to fish for or retain sturgeon.

Sarge Hubbard Park Pond (Yakima County): Juveniles and holders of disability licenses only.

Satsop Lakes (Grays Harbor County): Last Saturday in April through October 31 season.

Satsop River (Grays Harbor County): Trout: Minimum length 14 inches in mainstem and all forks. Mainstem and East Fork, single point barbless hooks and night closure August 16 through November 30 except only August 16 through October 31 on East Fork upstream from bridge at Schafer State Park. Middle and West forks downstream from Cougar Smith Road anti-snagging rule and night closure August 16 through November 30. Middle and West Forks upstream from Cougar Smith Road anti-snagging rule and night closure August 16 through October 31.

From mouth to bridge at Schafer Park: The first Saturday in June through March 31 season. Salmon: Open only October 1 through January 31. October 1 through October 15, daily limit 6 fish, of which no more than 2 may be adult salmon(♂), and of the 2 adult salmon, only 1 may be an adult wild coho. Release chum and adult Chinook. October 16 through January 31, daily limit 6 fish, of which no more than 2 may be adult salmon. Release chum, wild coho, and adult Chinook.

Middle Fork (Turnow Branch), from mouth to Cougar Smith Road: The first Saturday in June through last day in February season.

West Fork, from mouth to Cougar Smith Road: The first Saturday in June through last day in February season.

Sauk River (Skagit/Snohomish counties):

From mouth to the mouth of the White Chuck River: The first Saturday in June through last day in February season. Selective gear rules. All species: Release all fish except up to two hatchery steelhead may be retained per day.

From the mouth of the White Chuck River to headwaters, including North Fork and South Fork upstream to Elliot Creek: Selective gear rules. All species: Release all fish except up to two hatchery steelhead may be retained per day.

South Fork upstream from Elliot Creek: The first Saturday in June through August 31 season. Selective gear rules. All species: Release all fish except up to two hatchery steelhead may be retained per day.

From mouth to the Darrington Bridge: Additional March 1 through April 30 season. Selective gear rules. All species: Release all fish except up to two hatchery steelhead may be retained per day.

Sawyer, Lake (King County): Chumming permitted. Crappie: Daily limit ten, minimum length nine inches.

Schaefer Lake (Chelan County): Trout: Daily limit sixteen.

Scooteny Reservoir (Franklin County): Walleye: Minimum size 12 inches.

Sekiu River (Clallam County): All open periods: Trout: Minimum length fourteen inches.

From mouth to forks: Additional November 1 through last day in February season.

Serene Lake (Snohomish County): Last Saturday in April through October 31 season.

Shady Lake (King County): June 1 through October 31 season. Trout: No more than one over fourteen inches in length.

Shannon, Lake (Skagit County): Last Saturday in April through October 31 season. Chumming permitted. Trout: Minimum length six inches and maximum length eighteen inches.

Shellneck Creek (Yakima County): Closed waters.

Shelton Creek (Mason County): Closed waters.

Sherman Creek (Ferry County):

From the mouth at Lake Roosevelt upstream to four hundred feet above the water diversion dam for the hatchery: Closed waters, except December 1 through August 31 season from the mouth upstream to the hatchery boat dock.

Sherry Lake (Stevens County): Last Saturday in April through October 31 season.

Sherwood Creek (Mason County): Trout: Minimum length fourteen inches.

Sherwood Creek Mill Pond (Mason County): The first Saturday in June through October 31 season. Trout: Minimum length 14 inches, daily limit 2 fish.

Shiner Lake (Adams County): April 1 through September 30 season. Fishing from a floating device equipped with an internal combustion motor prohibited.

Shoe Lake (Mason County): Last Saturday in April through October 31 season.

Shoveler Lake (Grant County): April 1 through September 30 season.

Shye Lake (Grays Harbor County): The first Saturday in June through October 31 season.

Sidley Lake (Okanogan County): Trout: Daily limit two.

Siebert Creek (Clallam County): Trout: Minimum length fourteen inches.

Silent Lake (Jefferson County): Last Saturday in April through October 31 season. Fishing from a floating device equipped with an internal combustion engine prohibited.

Silvas Creek (Klickitat County): Trout: Release all trout.

Silver Creek (tributary to Cowlitz River) (Lewis County), mouth to USFS Road 4778: Selective gear rules. Trout: Minimum length twelve inches.

Silver Lake (Cowlitz County): Crappie: Daily limit ten crappie. Minimum size nine inches in length.

Silver Lake (Pierce County): Last Saturday in April through October 31 season.

Silver Lake (Spokane County): Crappie: Daily limit ten, minimum length nine inches.

Silver Lake, North (Spokane County): March 1 through September 30 and November 1 through December 31 season. Selective gear rules. March 1 through September 30: Trout: Daily limit 2 fish, minimum length 14 inches, except release

fish with clipped adipose fin. November 1 through December 31: All species: Release all fish.

Silver Lake (Whatcom County): Last Saturday in April through October 31 season.

Silver Nail Lake (Okanogan County): Juveniles only.

Similkameen River (Okanogan County):

From mouth to Enloe Dam: December 1 through March 31 season. Whitefish gear rules apply.

From Enloe Dam to Canadian border: Additional December 1 through March 31 season. Whitefish gear rules apply.

Sinlahekin Creek (Okanogan County), from Palmer Lake to Cecile Creek bridge: The first Saturday in June through August 31 season. Selective gear rules. Additional December 1 through March 31 season. Whitefish gear rules apply.

Sixteen Lake (Skagit County): Last Saturday in April through October 31 season.

Skagit River (Skagit/Whatcom counties):

From mouth to the Memorial Highway Bridge (Highway 536 at Mt. Vernon): Year-round season. Selective gear rules March 1 through May 31 except lawful to fish from a floating device equipped with an internal combustion motor. Night closure July 9 through August 9. Trout except Dolly Varden/Bull Trout: Minimum length fourteen inches. Legal to retain Dolly Varden/Bull Trout as part of trout daily limit, minimum length twenty inches. Salmon: ~~((Open only September 1 through December 31. Daily limit 2 salmon except release Chinook.))~~ Open July 9 through August 9, open 12:01 p.m. Thursday through Sunday only each week. Daily limit 2 Chinook salmon, only one of which may be an adult Chinook. In years ending in even numbers, open September 1 through December 31. Daily limit 2 salmon. Release Chinook and chum. In years ending in odd numbers, open August 16 through December 31. Daily limit 2 salmon plus 2 additional pink. Release Chinook and chum.

From Memorial Highway Bridge (Highway 536 at Mt. Vernon) upstream to Gilligan Creek: June 1 through March 15 season. Night closure ~~((and anti-snagging))~~ rule July 1 through November 30. Anti-snagging rule August 16 through November 30. Trout except Dolly Varden/Bull Trout: Minimum length fourteen inches. Legal to retain Dolly Varden/Bull Trout as part of trout daily limit, minimum length twenty inches. Salmon: ~~((Open only September 1 through December 31. Daily limit 2 salmon except release Chinook.))~~ Open July 9 through August 9, open 12:01 p.m. Thursday through Sunday only each week. Daily limit 2 Chinook salmon, only one of which may be an adult Chinook. In years ending in even numbers, open September 1 through December 31. Daily limit 2 salmon. Release Chinook and chum. In years ending in odd numbers, open August 16 through December 31. Daily limit 2 salmon plus 2 additional pink. Release Chinook and chum.

From Gilligan Creek to the Dalles Bridge at Concrete: June 1 through March 15 season. Anti-snagging rule and night closure July 1 through November 30. Trout except Dolly Varden/Bull Trout: Minimum length fourteen inches. Legal to retain Dolly Varden/Bull Trout as part of the trout

daily limit; minimum length twenty inches. Salmon: ~~((Open only September 16 through December 31. Daily limit 2 salmon, except release Chinook.))~~ In years ending in even numbers, open September 16 through December 31. Daily limit 2 salmon. Release Chinook and chum. In years ending in odd numbers, open August 16 through December 31. Daily limit 2 salmon plus 2 additional pink. Release Chinook and chum.

From the Dalles Bridge at Concrete to the Highway 530 Bridge at Rockport: June 1 through March 15 season, except closed June 1 through ~~((June 13, and August 1 through))~~ August 31, between a line 200 feet above the east bank of the Baker River to a line 200 feet below the west bank of the Baker River. Anti-snagging rule and night closure ~~((June 14))~~ July 1 through November 30. Trout except Dolly Varden/Bull Trout: Minimum length fourteen inches. Legal to retain Dolly Varden/Bull Trout as part of the trout daily limit; minimum length twenty inches. ~~((Salmon open June 14 through July 31, except closed 12:01 a.m. June 30 until 2:00 p.m. July 2, and 12:01 a.m. July 9 until 2:00 p.m. July 11, and, except closed from 200 feet above the mouth of the Baker River to the Highway 530 Bridge at Rockport. Daily limit two sockeye salmon. Release all salmon except sockeye salmon.))~~ Salmon open September 16 through December 31. ((Daily limit 2 salmon, except release Chinook.)) In years ending in even numbers, daily limit 2 salmon. Release Chinook and chum. In years ending in odd numbers, daily limit 2 salmon plus 2 additional pink. Release Chinook and chum. Additional season: March 16 through April 30. Selective gear rules except lawful to fish from a floating device equipped with an internal combustion motor. Unlawful to fish from a floating device while under power. All species: Release all fish except up to two hatchery steelhead may be retained.

From the Highway 530 Bridge at Rockport to the Cascade River: June 1 through March 15 season. Anti-snagging rule and night closure June 1 through November 30. Trout except Dolly Varden/Bull Trout: Minimum length fourteen inches. Legal to retain Dolly Varden/Bull Trout as part of the trout daily limit; minimum length twenty inches. Salmon open June 1 through July 15. Daily limit four hatchery Chinook salmon, of which only two may be adult hatchery Chinook. Salmon open September 16 through December 31. ~~((Daily limit 2 salmon. Release Chinook.))~~ In years ending in even numbers, daily limit 2 salmon. Release Chinook and chum. In years ending in odd numbers, daily limit 2 salmon plus 2 additional pink. Release Chinook and chum. Additional season: March 16 through April 30. Selective gear rules, except a person can fish from a floating device equipped with an internal combustion motor. Unlawful to fish from a floating device while under power. All species: Release all fish except up to two hatchery steelhead may be retained.

From Cascade River to Gorge Powerhouse: June 1 through March 15 season. Selective gear rules. All species: Release all fish except up to two hatchery steelhead may be retained per day.

From the Gorge Powerhouse to Gorge Dam: Closed waters.

Skamokawa Creek (Wahkiakum County), mouth to forks just below Oatfield and Middle Valley Road: June 1 through

October 31 season. Trout: Release all trout except up to two hatchery steelhead may be retained.

Skate Creek (tributary to Cowlitz River) (Lewis County): Trout: Daily limit five, no more than one over twelve inches in length. Release cutthroat. Release rainbow trout except rainbow trout having a clipped adipose fin and a healed scar at the site of the clipped fin.

Skokomish River (Mason County), mouth to forks: Night closure, anti-snagging rule and single point barbless hooks required August 1 through November 30 mouth to Highway 101. The first Saturday in June through July 31 and October 31 through December 15 season from mouth to Highway 101 Bridge. The first Saturday in June through October 31 season from Highway 101 Bridge to forks. All game fish: Release all fish. Selective gear rules from Highway 101 Bridge to forks. Salmon: Open only August 1 through ~~((September 5, and October 1 through))~~ December 15, mouth to Highway 101 Bridge. Terminal gear restricted to no closer than 25 feet of a tribal gill net. Daily limit 1 salmon August 1 through September 30. Release chum salmon. Daily limit 6 salmon October 1 through December 15, except daily limit may contain no more than 4 adult fish and release Chinook. October 1 through October 15 release chum salmon.

Skokomish River, North Fork (Mason County):

From mouth to lower dam: The first Saturday in June through October 31 season. All species: Release all fish. Selective gear rules.

Above Lake Cushman, mouth to Olympic National Park boundary: The first Saturday in June through August 31 season. Selective gear rules. Trout: Release all fish.

Skokomish River, South Fork (Mason County):

From mouth to mouth of Church Creek: All species: Release all fish. Selective gear rules.

From mouth of Church Creek to mouth of Rule Creek: Closed waters.

From mouth of Rule Creek to headwaters: Selective gear rules. Trout: Minimum length twelve inches.

Skookum Creek (Mason County): Trout: Minimum length fourteen inches.

Skookum Lakes, North and South (Pend Oreille County): Last Saturday in April through October 31 season.

Skookumchuck Creek (Klickitat County): Trout: Release all trout.

Skookumchuck Reservoir (Thurston County): The first Saturday in June through October 31 season. Trout: Daily limit two, minimum length twelve inches.

Skookumchuck River (Thurston County):

From mouth to four hundred feet below the outlet of the PP&L/WDFW steelhead rearing pond located at the base of the Skookumchuck Dam: The first Saturday in June through April 30 season. Single point barbless hooks and night closure August 16 through November 30. Trout: Minimum length fourteen inches. Salmon: Open only October 16 through last day in February. Daily limit 6 fish of which no

more than 2 may be adult salmon. Release chum, wild coho, and adult Chinook.

From Skookumchuck Reservoir upstream and all tributaries: Selective gear rules. Trout: Minimum length twelve inches.

Skykomish River (Snohomish County):

From mouth to mouth of Wallace River: June 1 through last day in February season. Anti-snagging rule and night closure August 1 through November 30 mouth to Lewis Street Bridge in Monroe and June 1 through November 30 from Lewis Street Bridge in Monroe to Wallace River. Fishing from any floating device prohibited November 1 through last day in February from the boat ramp below Lewis Street Bridge at Monroe downstream two thousand five hundred feet. Trout except Dolly Varden/Bull Trout: Minimum length fourteen inches. Legal to retain Dolly Varden/Bull Trout as part of trout daily limit, minimum length twenty inches. Salmon: Open June 1 through July 31 Lewis Street Bridge in Monroe to Wallace River. Daily limit 2 hatchery Chinook. In years ending in even numbers, open September 1 through December 31 mouth to Wallace River. Daily limit 2 salmon. Release Chinook and pink. In years ending in odd numbers, open August 16 through December 31 mouth to Lewis Street Bridge in Monroe and open September 1 through December 31 Lewis Street Bridge to Wallace River. Daily limit 2 salmon plus 2 additional pink. Release Chinook.

From the mouth of the Wallace River to the forks: June 1 through last day in February season, except closed June 1 to 8:00 a.m. August 1 in those waters one thousand five hundred feet upstream and one thousand feet downstream of the outlet at Skykomish Rearing Ponds. Anti-snagging rule and night closure August 1 through November 30. Fishing from any floating device prohibited in the area one thousand five hundred feet upstream and one thousand feet downstream of the outlet at Skykomish Rearing Ponds August 1 through last day in February. Trout except Dolly Varden/Bull Trout: Minimum length fourteen inches. Legal to retain Dolly Varden/Bull Trout as part of trout daily limit, minimum length twenty inches. Salmon: Open only September 1 through December 31. In years ending in even numbers, daily limit 2 salmon. Release Chinook and pink. In years ending in odd numbers, daily limit 2 salmon plus 2 additional pink. Release Chinook.

Skykomish River, North Fork (Snohomish County):

From mouth to one thousand feet downstream from Bear Creek Falls: The first Saturday in June through last day in February season. Anti-snagging rule and night closure August 1 through November 30. Trout: Minimum length fourteen inches.

From one thousand feet below Bear Creek Falls to Deer Falls: Closed waters.

Skykomish River, South Fork (King/Snohomish counties):

From mouth to six hundred feet downstream from the Sunset Falls Fishway: The first Saturday in June through last day in February season. Anti-snagging rule and night closure August 1 through November 30. Trout: Minimum length fourteen inches.

From a point six hundred feet downstream of the Sunset Falls Fishway to the Sunset Falls Fishway: Closed waters.

From Sunset Falls to source: The first Saturday in June through November 30 season. Selective gear rules. Trout: Minimum length fourteen inches. Whitefish: Additional December 1 through last day in February season. Release all fish other than whitefish.

Slate Creek and tributaries (Pend Oreille County): Trout: Eastern brook trout not counted in daily trout limit. Eastern brook trout daily limit ten. Once the daily limit of trout other than eastern brook trout has been achieved, the entire daily limit for trout other than eastern brook trout and eastern brook trout has been taken.

Smith Creek (near North River) (Pacific County): The first Saturday in June through last day in February season, except sturgeon. Single point barbless hooks, and night closure August 16 through November 30 upstream to the Highway 101 Bridge. All game fish: Release all fish except up to two hatchery steelhead per day may be retained. Salmon: Open only September 1 through November 30 from mouth to Highway 101 Bridge. Daily limit 6 fish of which no more than 2 may be adult salmon and of the adult salmon not more than one may be an adult wild coho. Release chum and adult Chinook. Sturgeon: Open year-round from mouth to Highway 101 Bridge.

Snake River: Year-round season. Closed to the taking of all trout April 1 through June 15. All species: April 24 through June 15 from Texas Rapids boat launch upstream to the Corps of Engineers boat launch approximately 1 mile upstream of Little Goose Dam: Night closure, barbless hooks only, and hooks must measure 5/8 inch or less from point to shank. Trout: Daily limit six, minimum length ten inches, no more than three over twenty inches. Release all steelhead June 16 through August 31. Barbless hooks required when fishing for steelhead. Sturgeon: Unlawful to retain sturgeon in mainstem and tributaries upstream from Lower Granite Dam. Walleye: Daily limit 10 fish. No minimum size. No more than 5 fish over 18 inches in length. No more than 1 fish over 24 inches in length. Channel catfish: No daily limit. Salmon: Open only April 24 through June 15 from Texas Rapids boat launch upstream to the Corps of Engineers boat launch approximately 1 mile upstream of Little Goose Dam. Daily limit 1 hatchery Chinook.

Closed waters: Within four hundred feet of the base of any dam and within a four hundred foot radius around the fish ladder entrance at Lyons Ferry Hatchery, within a two hundred foot radius upstream of the fish ladder exit above Lower Granite Dam, and within an area one thousand two hundred feet downstream from the base of the west lock gate at Little Goose Dam on the south bank of the Snake River and one hundred feet out into the river from said river bank.

Snipe Lake (Grant County): April 1 through September 30 season.

Snohomish River (Snohomish County), including all channels, sloughs, and interconnected waterways, but excluding all tributaries: The first Saturday in June through last day in February season, except sturgeon. Anti-snagging rule and night closure August 1 through November 30. Trout except Dolly Varden/Bull Trout: Minimum length fourteen inches.

Legal to retain Dolly Varden/Bull Trout as part of trout daily limit, minimum length twenty inches. Salmon: In years ending in even numbers, open only September 1 through December 31. Daily limit 2 salmon. Release Chinook and pink. In years ending in odd numbers: Open only August 16 through December 31. Daily limit 2 salmon plus 2 additional pink. Release Chinook. Sturgeon: Open year-round from mouth to Highway 2 Bridge.

Snoqualmie River (King County):

From mouth to the falls: The first Saturday in June through last day in February season, except waters within the Puget Power tunnel at the falls and within fifty feet of any point on Puget Power's lower Plant # 2 building (north bank) are closed waters. The first Saturday in June through November 30 selective gear rules, except fishing from a floating device equipped with an internal combustion motor allowed. Fishing from any floating device prohibited November 1 through last day in February from the mouth of Tokul Creek downstream to the boat ramp at Plumb access, about one-quarter mile. Night closure September 1 through November 30. Trout: Minimum length fourteen inches. Salmon: Open only September 1 through December 31. Daily limit 2 fish. Release Chinook and pink.

From Snoqualmie Falls upstream, including the North and South Forks: Selective gear rules. Trout: Minimum length ten inches. Additional November 1 through May 31 season. Selective gear rules. All species: Release all fish.

Snoqualmie Middle Fork from mouth to source including all tributaries except Pratt and Taylor rivers: Year-round season. Selective gear rules. All species: Release all fish.

Snow Creek (Jefferson County), including all tributaries: Closed waters.

Snyder Creek (Klickitat County): Trout: Release all trout.

Sol Duc River (Clallam County):

From mouth to concrete pump station at the Sol Duc Hatchery: Open year-round. May 1 through the Friday before the first Saturday in June, release all game fish except up to two hatchery steelhead per day may be retained. ~~((Selective gear rules from the concrete pump station at the Sol Duc Hatchery to the Highway 101 Bridge downstream of Snider Creek November 1 through April 30, and from the Highway 101 Bridge downstream of Snider Creek to Olympic National Park the first Saturday in June through October 31. Trout: Minimum length fourteen inches. November 1 through last day in February, daily limit three steelhead from mouth to concrete pump station at Sol Duc Hatchery.))~~ First Saturday in June through April 30, trout: Minimum length fourteen inches. November 1 through last day in February, daily limit may include 1 additional hatchery steelhead. December 1 through April 30, ~~((from mouth to the concrete pump station at the Sol Duc Hatchery.))~~ one wild steelhead per day may be retained. Salmon: Open only February 1 through November 30 ~~((from mouth to concrete pump station)).~~ ~~((Daily limit 6 fish of which no more than 2 may be adult salmon February 1 through August 31 and of which no more than 3 may be adult salmon September 1 through November 30. February 1 through August 31 release wild adult coho and wild adult Chinook. September 1 through~~

~~October 31 the daily limit may contain no more than 2 adult Chinook, release wild adult coho, and selective gear rules. November 1 through November 30 the daily limit may contain no more than 2 adult Chinook or 2 adult wild coho or 1 adult Chinook and 1 adult wild coho.)~~ February 1 through August 31, daily limit 6 fish of which no more than 2 may be adult salmon. Release wild adult Chinook and wild adult coho. September 1 through November 30, daily limit 6 fish of which no more than 4 may be adult salmon, and of the 4 adult salmon, no more than 2 may be any combination of Chinook, wild coho, pink, sockeye, and chum salmon.

From concrete pump station at Sol Duc Hatchery to Highway 101 Bridge downstream of Snider Creek: First Saturday in June through April 30 season. Trout: Minimum length fourteen inches. November 1 through April 30: Selective gear rules.

From Highway 101 Bridge downstream of Snider Creek to Olympic National Park boundary: Selective gear rules. Trout: Minimum length fourteen inches.

Soos River (Suez River) (Clallam County): The first Saturday in June through last day in February season. Trout: Minimum length fourteen inches.

Soos Creek (King County), from mouth to bridge near hatchery residence: The first Saturday in June through August 31 season except salmon. Trout: Minimum length fourteen inches. ~~((Salmon: Open only October 16 through November 30 to fishing by juveniles only. Night closure October 16 through November 30. Terminal gear restricted to one single point hook. Daily limit two coho salmon.))~~

Bridge near hatchery residence to Salmon hatchery rack: The first Saturday in June through August 31 season. Trout: Minimum length fourteen inches.

South Bend Mill Pond (Pacific County): Juveniles only.

South Prairie Creek (Pierce County), mouth to Page Creek: Closed waters.

Spada Lake (Reservoir) (Snohomish County): Last Saturday in April through October 31 season. Selective gear rules. Trout: Maximum length twelve inches.

Spada Lake (Reservoir) tributaries (Snohomish County): Closed waters.

Spanaway Lake and Spanaway Lake outlet downstream to the dam (approximately 800 feet) (Pierce County): Year-round season.

Spearfish Lake (Klickitat County): Last Saturday in April through last day in February season.

Spectacle Lake (Okanogan County): April 1 through September 30 season.

Spirit Lake (Skamania County): Closed waters.

Spokane River (Spokane County):

From SR 25 Bridge upstream to the upstream boundary at Plese Flats Day Use Area (Riverside State Park), except Long Lake, formed by Long Lake Dam (see also Long Lake): Year-round season except walleye. Trout: Daily limit five,

no more than two over twenty inches in length. Walleye: Daily limit eight, no minimum length, no more than one over twenty-two inches in length. April 1 through May 31 release all walleye. Salmon: Landlocked salmon rules apply. Sturgeon: Unlawful to fish for or retain sturgeon.

From the upstream boundary at Plese Flats Day Use Area (Riverside State Park) upstream to the Monroe Street Dam: June 1 through March 15 season. Selective gear rules. Trout: Daily limit one. Release wild trout. Salmon: Landlocked salmon rules apply. Sturgeon: Unlawful to fish for or retain sturgeon.

From Monroe Street Dam upstream to Upriver Dam: Year-round season. Salmon: Landlocked salmon rules apply.

From Upriver Dam upstream to the Idaho/Washington state line: The first Saturday in June through March 15 season. Selective gear rules, except fishing from a floating device equipped with an internal combustion motor permitted. All species: Release all fish.

Sprague Lake (Adams/Lincoln counties):

Waters south of the lakeside edge of the reeds and waters of Cow Creek south to Danekas Road: July 1 through September 15 season. Trout: No more than two over twenty inches in length may be retained. Crappie and bluegill: Combined daily limit twenty-five fish. Crappie: Minimum length nine inches.

Spring Creek (Klickitat County): Trout: Daily limit five.

Spring Hill Reservoir (Black Lake, Lower Wheeler Reservoir) (Chelan County): Last Saturday in April through October 31 season. July 5 through October 31, selective gear rules, and all species: Release all fish.

Spring Lake (Columbia County): March 1 through October 31 season. Fishing from any floating device prohibited. Trout: No more than 2 trout over 13 inches in length may be retained.

Spring Lakes (Grant County): March 1 through July 31 season.

Squalicum Lake (Whatcom County): Fly fishing only. Fishing from a floating device equipped with a motor prohibited. Trout: Daily limit two.

Stan Coffin Lake (Grant County): Bass: Release all bass.

Starvation Lake (Stevens County): Last Saturday in April through May 31 season. Additional June 1 through October 31 season. Selective gear rules. All species: Release all fish.

Steel Lake (King County): Last Saturday in April through October 31 season.

Stehekin River (Chelan County), from the mouth to Agnes Creek: July 1 through October 31 season. Selective gear rules. Trout: Minimum length fifteen inches. Release cutthroat. Additional March 1 through June 30 season. Selective gear rules. All species: Release all fish.

Stetattle Creek (Whatcom County), from its mouth to mouth of Bucket Creek (one and one-half miles upstream): Closed waters.

Stevens Creek (Grays Harbor County), mouth to Highway 101 Bridge: The first Saturday in June through September 30 and December 1 through last day in February season. Trout: Minimum length fourteen inches.

Stevens, Lake (Snohomish County): Chumming permitted. Kokanee: Kokanee not included in trout daily limit. Kokanee daily limit ten fish.

Stevens Lake (Mason County): Last Saturday in April through October 31 season.

Stickney Lake (Snohomish County): Last Saturday in April through October 31 season.

Stillaguamish River (Snohomish County):

From mouth to Marine Drive, including all sloughs: Year-round season. Anti-snagging rule and night closure August 1 through November 30. Trout: Minimum length fourteen inches. Salmon: Open only (~~November~~) September 1 through December 31. In years ending in even numbers, daily limit 2 salmon. Release Chinook and pink salmon. In years ending in odd numbers, daily limit 2 salmon plus 2 additional pink. Release Chinook.

From Marine Drive to the forks, except from the barrier dam (downstream of I-5) downstream two hundred feet which is closed waters: The first Saturday in June through last day in February season. Night closure August 1 through November 30. Selective gear rules the first Saturday in June through November 30 except fishing from a floating device equipped with an internal combustion motor allowed. Game fish: The first Saturday in June through November 30 release all fish except up to two hatchery steelhead per day may be retained. Trout: Minimum length fourteen inches December 1 through last day in February. Salmon: Open only (~~November~~) September 1 through December 31. In years ending in even numbers, daily limit 2 salmon. Release Chinook and pink salmon. In years ending in odd numbers, daily limit 2 salmon plus 2 additional pink. Release Chinook.

Stillaguamish River, North Fork (Snohomish County), from mouth to Swede Heaven Bridge: The first Saturday in June through last day in February season. Anti-snagging rule and night closure August 1 through November 30. Fishing from any floating device prohibited upstream of the Highway 530 Bridge at mile post 28.8 (Cicero Bridge). Fishing from any floating device equipped with a motor prohibited downstream from the Highway 530 Bridge. The first Saturday in June through November 30: All species: Release all fish except hatchery steelhead. The first Saturday in June through November 30 fly fishing only. December 1 through last day in February: Trout: Minimum length fourteen inches.

Stillaguamish River, South Fork (Snohomish County):

From mouth to four hundred feet downstream of the outlet to fishway at Granite Falls: The first Saturday in June through last day in February season. Anti-snagging rule and night closure August 1 through November 30. Trout: Minimum length fourteen inches.

From four hundred feet below the outlet of the end of the fishway to Mt. Loop Highway bridge above Granite Falls: Closed waters.

From Mt. Loop Highway Bridge above Granite Falls to source: The first Saturday in June through November 30 season. Anti-snagging rule and night closure August 1 through November 30.

Storm Lake (Snohomish County): Last Saturday in April through October 31 season.

Stratford/Brook Lake (Grant County): February 1 through September 30 season.

Stump Lake (Mason County): Last Saturday in April through October 31 season. Fishing from a floating device equipped with an internal combustion engine prohibited.

Suitttle River (Skagit County): Trout: Legal to retain Dolly Varden/Bull Trout as part of trout daily limit, minimum length twenty inches.

Sullivan Creek (Pend Oreille County), from Mill Pond upstream and tributaries: Selective gear rules. Trout: Eastern brook trout not counted in daily trout limit. Eastern brook trout daily limit ten. Once the daily limit of trout other than eastern brook trout has been achieved, the entire daily limit for trout other than eastern brook trout and eastern brook trout has been taken.

Sullivan Lake (Pend Oreille County): Trout: Daily limit 2 trout, except kokanee not counted in daily trout limit. Kokanee daily limit ten.

Sultan River (Snohomish County), from its mouth to a point four hundred feet downstream from the diversion dam at river mile 9.7: The first Saturday in June through last day in February season. Trout except Dolly Varden/Bull Trout: Minimum length fourteen inches. Legal to retain Dolly Varden/Bull Trout as part of trout daily limit, minimum length twenty inches.

Sultan River, North and South Forks (Snohomish County): Closed waters.

Summit Lake (Stevens County): Last Saturday in April through October 31 season.

Summit Lake (Thurston County): Last Saturday in April through October 31 season.

Sunday Creek (tributary to N.F. Snoqualmie River) (King County): Closed waters.

Sutherland Lake (Clallam County): Chumming permitted.

Swale Creek (Klickitat County): Trout: Release all trout.

Swamp Creek (tributary to Sammamish River) (Snohomish/King counties): The first Saturday in June through August 31 season. Juveniles only.

Swan Lake (Ferry County): Last Saturday in April through October 31 season.

Swan's Mill Pond (Stossel Creek) (King County): The first Saturday in June through October 31 season.

Swauk Creek (Kittitas County): Selective gear rules.

Swift Reservoir (Skamania County): Last Saturday in April through October 31 season. From posted markers below Eagle Cliff Bridge to Bridge: Selective gear rules except fishing from a floating device equipped with an internal combustion motor allowed. Salmon: Landlocked salmon rules apply.

Swofford Pond (Lewis County): Fishing from a floating device equipped with an internal combustion motor prohibited.

Sylvia Lake (Grays Harbor County): Trout: No more than two over 15 inches in length may be retained per day.

Tacoma Creek and tributaries (Pend Oreille County): Trout: Eastern brook trout not counted in daily trout limit. Eastern brook trout daily limit ten. Once the daily limit of trout other than eastern brook trout has been achieved, the entire daily limit for trout other than eastern brook trout and eastern brook trout has been taken.

Tahuya River (Mason County): Selective gear rules and release all fish except salmon. Night closure September 16 through October 31. Salmon: Open only September 16 through October 31 mouth to marker one mile above North Shore Road Bridge. Daily limit 2 coho salmon.

Taneum Creek (Kittitas County): Selective gear rules.

Tanwax Lake (Pierce County): Last Saturday in April through October 31 season. Crappie: Daily limit ten, minimum length nine inches.

Tapps Lake (Reservoir) and Tapps Lake (Reservoir) intake canal (Pierce County), to within four hundred feet of the screen at Dingle Basin: Year-round season.

Tarboo Lake (Jefferson County): Last Saturday in April through November 30 season. Fishing from a floating device equipped with an internal combustion engine prohibited. Salmon: Landlocked salmon rules apply.

Tate Creek (tributary to N.F. Snoqualmie River) (King County): Closed waters.

Taylor River (tributary to the Middle Fork Snoqualmie) (King County): Selective gear rules. All species: Release all fish.

Teal Lakes (North and South) (Grant County): April 1 through September 30 season.

Teal Lake (Jefferson County): Fishing from a floating device equipped with an internal combustion engine prohibited. Selective gear rules. Trout daily limit one fish.

Teanaway River (Kittitas County): Selective gear rules. Trout: Release all trout.

Teanaway River, North Fork (Kittitas County): Mouth to Beverly Creek including all tributaries: Selective gear rules. Trout: Release all trout. Beverly Creek to impassable waterfall at the end of USFS Road 9737 (about 8 river miles): Closed waters.

Tenas Lake (Mason County): Last Saturday in April through October 31 season.

Tennant Lake (Whatcom County): Fishing from any floating device prohibited from first Friday in October through January 15.

Terrell, Lake (Whatcom County): Fishing from any floating device prohibited the first Saturday after Labor Day through the following Friday and from October 1 through January 31 except fishing from floating dock permitted.

Thomas Lake (Stevens County): Last Saturday in April through October 31 season.

Thornton Creek (tributary to Lake Washington) (King County): The first Saturday in June through August 31 season. Juveniles only.

Thread Lake (Adams County): April 1 through September 30 season.

Tibbetts Creek (tributary to Lake Sammamish) (King County): The first Saturday in June through August 31 season. Juveniles only.

Tieton River (Yakima County): Lawful to fish to base of Tieton (Rimrock) Dam. Selective gear rules the first Saturday in June through October 31. Additional December 1 through March 31 season: Whitefish gear rules apply.

Tieton River, North Fork (Yakima County): Closed waters: Clear Lake spillway channel and the river within 400' of Clear Lake Dam. Entire river, including that portion of the river that flows through the dry lakebed of Rimrock Reservoir: The first Saturday in June through August 15 season.

Tieton River, South Fork (Yakima County): From the bridge on USFS Road 1200 to bridge on USFS Rd. 1070 (approximately 12.5 miles): Closed waters.

Tiger Lake (Kitsap/Mason counties): Last Saturday in April through October 31 season.

Tilton River (Lewis County), from mouth to West Fork: The first Saturday in June through March 31 season. Trout: Daily limit five, no more than one over twelve inches in length. Release cutthroat. Release rainbow trout except rainbow trout having a clipped adipose fin and a healed scar at the site of the clipped fin. Salmon: Open only first Saturday in June ((+)) through December 31. Minimum length eight inches. First Saturday in June ((+)) through July 31, daily limit 6 fish, of which no more than 2 may be adult salmon. Release wild coho. August 1 through December 31, daily limit 6 fish, of which no more than 2 may be adult Chinook. Release wild coho.

Tilton River, East, North, South and West Forks (Lewis County): Selective gear rules. Trout: Minimum length twelve inches.

Toad Lake (Whatcom County): Last Saturday in April through October 31 season.

Tokul Creek (King County):

From mouth to the Fish Hatchery Road Bridge: December 1 through last day in February season, closed 5:00 p.m. to 7:00 a.m. daily. Anti-snagging rule. Trout: Minimum length fourteen inches.

From Fish Hatchery Road Bridge to posted cable boundary marker located approximately four hundred feet downstream of the hatchery intake: January 15 through last day in February season, closed 5:00 p.m. to 7:00 a.m. daily. Anti-snagging rule. Trout: Minimum length 14 inches.

From the posted cable boundary marker located approximately four hundred feet downstream of the hatchery intake to the railroad trestle: Closed waters.

Tolt River (King County):

From mouth to the USGS trolley cable near the confluence of the North and South Forks: The first Saturday in June through last day in February season. The first Saturday in June through November 30, selective gear rules. Trout: Minimum length fourteen inches.

From the USGS trolley cable to the falls in Sec. 21, Twp 26N., R 8 E. on the North Fork, and to the dam on the South Fork: Closed waters.

From falls upstream on North Fork: Selective gear rules. All species: Release all fish.

From dam upstream on South Fork: Selective gear rules. Trout: Minimum length ten inches.

Touchet River (Columbia/Walla Walla counties):

From confluence of north and south forks upstream, including Robinson and Wolf Forks: Selective gear rules. Trout: Release all steelhead. Tributaries other than North Fork, South Fork, Robinson Fork, and Wolf Fork: Closed waters.

North Fork: Upstream of Spangler Creek the first Saturday in June through August 31 season.

South Fork: Upstream from Griffin Creek the first Saturday in June through August 31 season.

Wolf Fork: Upstream from Coates Creek the first Saturday in June through August 31 season.

From mouth to confluence of north and south forks: Additional season: November 1 through March 31. Barbless hooks required. All species: Release all fish except hatchery steelhead and brown trout. Trout: Daily limit three fish.

Toutle River (Cowlitz County):

From mouth to forks, and North Fork from the mouth to the posted deadline below the fish collection facility: The first Saturday in June through November 30 season. Anti-snagging rule and night closure September 1 through October 15 on North Fork from confluence with South Fork to mouth of Green River. All game fish: Release all fish except up to two hatchery steelhead per day may be retained. Salmon: Open only August 1 through November 30. Daily limit 6 fish of which no more than ((4)) 2 may be adult ((~~one~~)) Chinook. Release chum, wild coho, and wild jack Chinook((~~and hatchery adult Chinook~~)). October 1 through November 30, release Chinook from Kidd Valley Bridge near Hwy. 504 upstream.

From the posted deadline below the fish collection facility upstream to the headwaters, including all tributaries, but excepting Castle and Coldwater Lakes: Closed waters.

Toutle River, South Fork (Cowlitz County), mouth to source: Closed waters: All tributaries. The first Saturday in June through November 30 season. All species: Release all fish except hatchery steelhead. Trout: Minimum length twenty

inches. Mouth to 4100 Road Bridge: Additional December 1 through March 31 season. Selective gear rules. All species: Release all fish except hatchery steelhead.

Trapper Lake (Chelan County): Trout: Daily limit two.

Trout Creek (tributary to Wind River) (Skamania County): Closed waters.

Trout Lake (Ferry County): Last Saturday in April through October 31 season.

Trout Lake (tributary to Big White Salmon River) (Klickitat County): The first Saturday in June through October 31 season.

Tucannon River (Columbia/Walla Walla counties): Closed waters: All tributaries.

From the mouth upstream to Turner Road Bridge: Additional November 1 through March 31 season. Barbless hooks required. All species: Release all fish except hatchery steelhead and whitefish. Trout: Daily limit three hatchery steelhead.

From the Turner Road Bridge upstream to the Tucannon Hatchery Bridge: Selective gear rules the first Saturday in June through October 31. Additional season November 1 through March 31. Barbless hooks required. All species: Release all fish except hatchery steelhead and whitefish. Trout: Daily limit three hatchery steelhead.

From the Tucannon Hatchery Bridge upstream to 500 feet above the Rainbow Lake intake: Closed waters.

From 500 feet above the Rainbow Lake intake to the Cow Camp Bridge: Selective gear rules. Release steelhead.

From Cow Camp Bridge upstream: Closed waters.

Tucquala Lake (Kittitas County): The first Saturday in June through October 31 season.

Tunnel Lake (Skamania County): Trout: No more than 2 trout 20 inches in length or greater may be retained.

Twin Lake (Jefferson County): Last Saturday in April through October 31 season.

Twin Lakes (Chelan County) and tributaries and outlet stream to junction with the Napeequa River: Closed waters.

Twisp River (Okanogan County), from mouth to War Creek: The first Saturday in June through August 15 season. Selective gear rules. All species: Release all fish. War Creek to South Fork Twisp River: Closed waters.

Tye River (King County): Foss River to Alpine Falls the first Saturday in June through October 31: All species: Selective gear rules. Trout: Minimum length fourteen inches. Whitefish: Additional November 1 through last day in February season. Release all fish other than whitefish. From Alpine falls upstream: Trout: Minimum size ten inches.

U Lake (Mason County): Last Saturday in April through October 31 season.

Umtanum Creek (Kittitas County): Selective gear rules.

Uncle John Creek (Mason County): Closed waters.

Union Creek (Yakima County): From mouth upstream to falls (approximately 1/4 mile): Closed waters.

Union River (Mason County): Mouth to North Shore Road Bridge. All species: Release all fish except sturgeon.

From North Shore Road Bridge to lower bridge on Old Belfair Highway: The first Saturday in June through August 15 season. Selective gear rules. All species: Release all fish except sturgeon.

From lower bridge on Old Belfair Highway upstream to watershed boundary: Selective gear rules. All species: Release all fish except sturgeon.

From watershed boundary to source, including all tributaries: Closed waters.

Upper Wheeler Reservoir (Chelan County): Closed waters.

Valley Creek (Clallam County): Juveniles only.

Vance Creek (Mason County): Trout: Minimum length fourteen inches.

Vance Creek/Elma Ponds (Grays Harbor County): Pond One: Last Saturday in April through November 30 season. Juveniles, holders of a senior license and holders of a department disability license only. Trout: No more than two over 15 inches in length may be retained per day. Salmon: Landlocked salmon rules apply. Pond Two: Last Saturday in April through November 30 season. Trout: No more than two over 15 inches in length may be retained per day. Salmon: Landlocked salmon rules apply.

Vancouver Lake and all other waters west of Burlington-Northern Railroad from Columbia River drawbridge near Vancouver downstream to Lewis River (Clark County): Closed waters: April 1 through May 30 the Vancouver Lake flushing channel is closed and it is closed to fishing from the lake shoreline within 400 feet east and west of the channel exit. Chumming permitted. Trout: Daily limit two, minimum length twelve inches. Sturgeon: Seasons, days of the week, daily limits, and size limits same as in adjacent waters of mainstem Columbia River.

Vanes Lake (Pend Oreille County): Last Saturday in April through October 31 season.

Van Winkle Creek (Grays Harbor County): Mouth to 400 feet below outlet of Lake Aberdeen Hatchery: All species: Anti-snagging rule and night closure August 16 through November 30. Game fish: Minimum length 14 inches. Salmon: Open only September 1 through January 31. Daily limit 6 fish, of which ~~((not))~~ no more than 2 may be adult fish. Release chum, adult Chinook and wild adult coho.

Vic Meyers (Rainbow) Lake (Grant County): Last Saturday in April through September 30 season.

Vogler Lake (Skagit County): Last Saturday in April through October 31 season. Fly fishing only. All species: Release all fish.

Voight Creek (Pierce County): From mouth to Highway 162 Bridge: Closed waters.

Wagners Lake (Snohomish County): Last Saturday in April through October 31 season.

Wahkiacus Creek (Klickitat County): Trout: Release all trout.

Waitts Lake (Stevens County): Last Saturday in April through last day in February season.

Walker Lake (King County): Last Saturday in April through October 31 season.

Wallace River (Snohomish County):

From its mouth to 200 feet upstream of the water intake of the salmon hatchery: The first Saturday in June through last day in February season. Closed waters: From 363rd Avenue S.E./Reece Road to a point two hundred feet upstream of the water intake of the salmon hatchery during the period the first Saturday in June through August 31. Fishing from any floating device prohibited November 1 through last day in February. Trout except Dolly Varden/Bull Trout: Minimum length fourteen inches. Legal to retain Dolly Varden/Bull Trout as part of trout daily limit, minimum length twenty inches. Salmon: Open only September 1 through November 30. Daily limit 2 coho.

From 200 feet upstream of the water intake of the salmon hatchery to mouth of Olney Creek: November 1 through last day in February season. Fishing from any floating device prohibited. Trout except Dolly Varden/Bull Trout: Minimum length fourteen inches. Legal to retain Dolly Varden/Bull Trout as part of trout daily limit, minimum length twenty inches.

Walla Walla River (Walla Walla County):

From mouth to the Touchet River: Year-round season. Trout: Barbless hooks required when fishing for steelhead. Trout: Release trout April 1 through May 31. Daily limit three hatchery steelhead. Channel catfish: No daily limit.

From the Touchet River upstream to state line: Trout: All tributaries except Mill Creek, maximum length twenty inches. Channel catfish: No daily limit. Additional season November 1 through March 31. All species: Barbless hooks required and release all fish except hatchery steelhead. Trout: Daily limit three hatchery steelhead.

Walupt Lake (Lewis County): Closed waters: All inlet streams. Last Saturday in April through October 31 season. Selective gear rules except fishing from a floating device equipped with an internal combustion motor allowed. Trout: Minimum length ten inches.

Wannacut Lake (Okanogan County): Last Saturday in April through October 31 season.

Wapato Lake (Chelan County): Last Saturday in April through October 31 season. From August 1 through October 31: Selective gear rules except fishing from a device equipped with an internal combustion motor permitted. Trout: Release all trout.

Wapato Lake (Pierce County): Juveniles only.

Ward Lake (Ferry County): Last Saturday in April through October 31 season.

Ward Lake (Thurston County): Last Saturday in April through October 31 season.

Warden Lake and Warden Lake, South (Grant County): Last Saturday in April through September 30 season.

Washburn Island Pond (Okanogan County): April 1 through September 30 season. Fishing from a floating device equipped with an internal combustion motor prohibited.

Washburn Lake (Okanogan County): Last Saturday in April through October 31 season. Trout: Daily limit two.

Washington, Lake, including that portion of the Sammamish River from the 68th Avenue N.E. Bridge downstream (King County): Fishing from floating device prohibited one hundred yards either side of the floating bridges. Chumming permitted. Trout: December 1 through last day in February, daily limit 5, no minimum length. Release steelhead and rainbow trout over twenty inches in length. March 1 through June 30, daily limit 5, minimum length twelve inches. Release steelhead and rainbow trout over twenty inches in length. Kokanee/sockeye under fifteen inches are kokanee while those fifteen inches and over are sockeye salmon. Salmon: Open only September 16 through October 31 north of Highway 520 Bridge and east of Montlake Bridge. Daily limit four coho salmon.

Washington, Lake, Ship Canal (King County) (waters east of a north-south line 400 feet west of the fish ladder at the Chittenden Locks and west of a north-south line at the eastern ends of the concrete abutments east of the Montlake Bridge): West of Fremont Bridge: Fishing from floating device prohibited. East of Fremont Bridge: Chumming permitted.

From west boundary to a north-south line 400 feet east of the eastern end of the northern wing wall of Chittenden Locks: Closed waters.

From 400 feet east of the eastern end of the northern wing wall of Chittenden Locks to the east boundary: Open year-round. Trout: December 1 through last day in February daily limit five, no minimum length. Release steelhead and rainbow trout over twenty inches in length. March 1 through June 30, daily limit five, minimum length twelve inches. Release steelhead and rainbow trout over twenty inches in length. July 1 through November 30, daily limit five, no minimum length. Kokanee/sockeye less than fifteen inches in length are kokanee and fifteen inches and over in length are sockeye salmon.

Washougal River (Clark County): Night closure year-round.

From mouth to bridge at Salmon Falls: The first Saturday in June through March 15 season. Anti-snagging rule and stationary gear restriction July 1 through October 31. When anti-snagging rule is in effect, only fish hooked inside the mouth may be retained. Trout: Release all trout except up to 2 hatchery steelhead per day may be retained. Salmon: Open only August 1 through ~~(March 15)~~ December 31. Daily limit 6 fish of which no more than 2 may be adult ~~(salmon)~~ Chinook. Release chum, wild coho, and wild jack Chinook. Upstream of Little Washougal River, release adult Chinook October 1 through November 30.

From mouth to Mt. Norway Bridge: Additional April 16 through the Friday before the first Saturday in June season. Selective gear rules. Trout: Release all trout except up to 2 hatchery steelhead per day may be retained.

From bridge at Salmon Falls to its source, including tributaries: Closed waters.

Washougal River, West (North) Fork (Clark/Skamania counties):

From mouth to the water intake at the department hatchery: Closed waters.

From intake at department hatchery to source: The first Saturday in June through March 15 season. Trout: Release all trout except up to 2 hatchery steelhead per day may be retained.

Watson Lake (Columbia County): March 1 through October 31 season. Fishing from any floating device prohibited. Trout: No more than 2 trout over 13 inches in length may be retained.

Waughop Lake (Pierce County): Salmon: Landlocked salmon rules apply.

Wenas Lake (Yakima County): Trout: Daily limit five, of which not more than two may be brown trout.

Wenaha River tributaries within Washington: The first Saturday in June through August 31 season. Selective gear rules. Trout: Release all steelhead.

Wenatchee Lake (Chelan County): Selective gear rules except fishing from a floating device equipped with an internal combustion motor allowed. Trout except kokanee: Daily limit two, minimum length twelve inches. Release kokanee. Kokanee/sockeye under sixteen inches will be considered kokanee while those sixteen inches and over will be considered sockeye salmon.

Wenatchee River, including Lake Jolanda (Chelan County):

December 1 through March 31 season, from mouth to Highway 2 Bridge at Leavenworth only. Whitefish gear rules apply.

Wentworth Lake (Clallam County): Unlawful to fish from a floating device equipped with an internal combustion engine.

West Evans Pond (Asotin County): Trout: No more than 2 trout over 13 inches in length may be retained.

West Twin River (Clallam County): Trout: Minimum length fourteen inches.

Whatcom Creek (Whatcom County):

From mouth to stone bridge at Whatcom Falls Park: The first Saturday in June through last day in February season. Anti-snagging rule and night closure August 1 through December 31. Closed waters: Woburn Street Bridge upstream to the stone bridge. Trout: Minimum length fourteen inches. Salmon: Open only August 1 through December 31 from mouth to markers below Dupont Street. Daily limit 6 fish of which not more than 2 may be adult salmon. Anglers fishing lawfully, within 50 yards of the Bellingham Technical College Hatchery Collection Tube, and on the hatchery side of the creek, that hook and land chum salmon, may remove those chum salmon from the water and immediately place them unharmed into the Hatchery Collection Tube.

From stone bridge at Whatcom Falls Park upstream to Lake Whatcom: Last Saturday in April through October 31

season. Juveniles only. Anti-snagging rule and night closure August 1 through October 31. Trout: No minimum length.

Whatcom, Lake (Whatcom County): Last Saturday in April through October 31 season, except those waters between the Electric Avenue Bridge and the outlet dam are closed waters: Trout: Release cutthroat trout.

Whatcom, Lake, tributaries (Whatcom County): Closed waters.

Wheeler Creek (Klickitat County): Trout: Release all trout.

White River (Chelan County), from mouth upstream to White River Falls: Closed waters.

White (Stuck) River (Pierce County):

From mouth to R Street Bridge in Auburn: October 1 through last day in February season: October 1 through October 31 all species: Fly fishing only and release all fish. November 1 through last day in February. Trout: Minimum length fourteen inches. Anti-snagging rule and night closure November 1 through November 30.

From R Street Bridge to Highway 410 Bridge at Buckley: October 1 through October 31 season. Closed waters: Puget Power canal, including the screen bypass channel, above the screen at Dingle Basin. Anti-snagging rule and night closure. Trout: 14 inch minimum size.

From the Weyerhaeuser 6000 Road Bridge (Bridge Camp) to its source: July 1 through October 31 season. Anti-snagging rule and night closure October 1 through October 31. Selective gear rules July 1 through October 31. Trout: Minimum length fourteen inches. Whitefish: Additional November 1 through January 31 season. Whitefish gear rules apply.

Whitechuck River (Snohomish County): Trout: Legal to retain Dolly Varden/Bull Trout as part of trout daily limit, minimum length twenty inches.

White Salmon River (Klickitat/Skamania counties):

From mouth to powerhouse: Open year-round. Bank fishing only downstream from the Highway 14 Bridge. August 1 through December 31: Anti-snagging rule. Trout: Minimum length fourteen inches. Salmon and steelhead: Open April 1 through June 30, daily limit two fish, one or both of which may be salmon or hatchery steelhead. Release all fish except salmon or hatchery steelhead. Release wild Chinook. Salmon: Open July 1 through March 31. Daily limit 6 fish of which no more than 2 may be adult salmon. Release wild coho and wild jack Chinook. October 1 through December 31, release adult Chinook upstream of posted markers 0.5 miles upstream of Highway 14 Bridge.

From powerhouse to within four hundred feet of Northwestern Dam: November 16 to April 30 season except salmon and steelhead. Trout: Minimum length fourteen inches. Release trout April 1 through April 30. Salmon: Open November 16 through March 31. Daily limit 6 fish of which no more than 2 may be adult salmon. Release wild coho and wild jack Chinook. November 16 through December 31, release adult Chinook. Salmon and steelhead: Open April 1 through June 15, daily limit two fish, one or both of

which may be salmon or hatchery steelhead. Release all fish except salmon or hatchery steelhead. Release wild Chinook.

From gas pipeline crossing above Northwestern Lake to Gilmer Creek: Selective gear rules. Trout: Minimum length twelve inches.

Wide Hollow Creek (Yakima County): Trout: Daily limit five, no minimum length.

Widgeon Lake (Grant County): April 1 through September 30 season.

Wildberry Lake (Mason County): Last Saturday in April through October 31 season.

Wildcat Lake (Kitsap County): Last Saturday in April through October 31 season.

Wilderness Lake (King County): Last Saturday in April through October 31 season. Salmon: Landlocked salmon rules apply.

Willame Lake (Lewis County): Last Saturday in April through October 31 season. Selective gear rules. Trout: Daily limit two, minimum length fifteen inches.

Willapa River (Pacific County): Mouth to Highway 6 Bridge: The first Saturday in June through March 31 season. All game fish: Release all game fish except that up to two hatchery steelhead may be retained per day. All species: August 16 through November 30 night closure and single point barbless hooks required. August 16 through November 30 above the WDFW access at the mouth of Ward/Wilson Creek stationary gear restriction. Highway 6 Bridge to Fork Creek: The first Saturday in June through July 15 and October 16 through March 31 season. Night closure, single point barbless hooks, and stationary gear restriction October 16 through November 30. All game fish: Release all fish except that up to two hatchery steelhead may be retained. Salmon: Open only August 1 through January 31 from mouth to Highway 6 Bridge approximately 2 miles below mouth of Trap Creek and open October 16 through January 31 from Highway 6 Bridge to Fork Creek. Daily limit 6 fish, of which no more than 3 may be adult salmon, and of the 3 adult salmon (~~(not more than)~~), only one may be a wild adult coho and (~~(not)~~) no more than two may be adult Chinook. Release chum.

Sturgeon: Open year-round from mouth to Highway 6 Bridge.

Upstream from Fork Creek: Selective gear rules. August 16 through October 31, anti-snagging rule and night closure. All species: Release all fish except up to two hatchery steelhead per day may be retained.

South Fork: The first Saturday in June through last day in February season. Selective gear rules the first Saturday in June through October 31. Anti-snagging rule and night closure August 16 through November 30. All species: Release all fish except up to two hatchery steelhead may be retained.

Williams Creek (Pacific County): The first Saturday in June through last day in February season. Selective gear rules. All species: Release all fish except up to two hatchery steelhead per day may be retained.

Williams Lake (Spokane County): Last Saturday in April through September 30 season.

Williams Lake (Stevens County): December 1 through March 31 season. All species: Catch and release except up to five rainbow trout may be retained.

Wilson Creek (two branches within Ellensburg city limits) (Kittitas County): Juveniles only.

Winchester Wasteway (Grant County): Within Winchester Game Reserve: February 1 through September 30 season.

Wind River (Skamania County):

Mouth to four hundred feet below Shipherd Falls: July 1 through March 15 season, except salmon and steelhead. May 1 through June 30: Anti-snagging rule and night closure. August 1 through October 31: Anti-snagging rule and night closure. When anti-snagging rule is in effect, only fish hooked in the mouth may be retained. Salmon and steelhead: Open March 16 through June 30 daily limit 2 fish, one or both of which may be a salmon or hatchery steelhead. Release all fish except salmon and hatchery steelhead. Release wild Chinook. Trout: Minimum length fourteen inches. Salmon: Open August 1 through October 31. Daily limit 6 fish of which no more than 2 may be adult salmon. Release wild coho and wild jack Chinook. Release adult Chinook from Burlington-Northern Railroad Bridge upstream.

From four hundred feet below to one hundred feet above Shipherd Falls fish ladder: Closed waters.

From one hundred feet above Shipherd Falls to source, including all tributaries: May 1 through June 30 season. Closed waters: From 400 feet below to 100 feet above the Coffey Dam and from a boundary marker approximately 800 yards downstream from Carson National Fish Hatchery upstream, including all tributaries. Anti-snagging rule and night closure. When anti-snagging rule is in effect, only fish hooked in the mouth may be retained. Salmon and steelhead: Daily limit 2 fish, one or both of which may be a salmon or hatchery steelhead. Release all fish except salmon and hatchery steelhead. Additional season September 16 through November 30. Selective gear rules. All species: Release all fish.

Winston Creek (tributary to Cowlitz River) (Lewis County): Selective gear rules. Trout: Minimum length ten inches.

Wishkah River (Grays Harbor County), including all forks: Closed waters: From weir at Wishkah Rearing Ponds, downstream 200 feet. Trout: Minimum length fourteen inches. Mouth to mouth of the West Fork: The first Saturday in June through March 31 season. Single point barbless hooks required August 16 through November 30. Selective gear and all species: Release all fish, except up to two hatchery steelhead may be retained per day, March 1 through March 31. Salmon: Open October 1 through December 31. October 1 through October 15, daily limit 6 fish, of which no more than 2 may be adult salmon, and of the 2 adult salmon, only 1 may be an adult wild coho. Release chum and adult Chinook. October 16 through December 31, daily limit 6 fish, of which no more than 2 may be adult salmon. Release chum, wild coho, and adult Chinook.

From the mouth of the West Fork to two hundred feet below the weir at the Wishkah Rearing Ponds: The first Saturday in June through March 31 season. All species: March 1 through March 31, release all fish, except up to two hatchery steelhead may be retained per day, and selective gear rules. Salmon: Open October 1 through December 31. October 1 through October 15, daily limit 6 fish, of which no more than 2 may be adult salmon, and of the adult salmon, only 1 may be an adult wild coho. Release chum and adult Chinook. October 16 through December 31, daily limit 6 fish, of which no more than 2 may be adult salmon. Release chum, wild coho, and adult Chinook.

From the weir at the Wishkah Rearing Ponds upstream: Trout: Minimum length fourteen inches.

Wolf Creek, mouth to mouth of south fork (Okanogan County): Closed waters.

Wood Lake (Mason County): Last Saturday in April through October 31 season.

Woodland Creek (Thurston County): Trout: Minimum length fourteen inches.

Wooten Lake (Mason County): Last Saturday in April through October 31 season.

Wye Lake (Kitsap County): Last Saturday in April through October 31 season.

Wynoochee River (Grays Harbor County): Trout: Minimum length fourteen inches. Mouth to 7400 line bridge above mouth of Schafer Creek: The first Saturday in June through March 31 season. Single point barbless hooks required August 16 through November 30. Salmon: Open only October 1 through January 31. Daily limit 6 fish, of which no more than 2 may be adult salmon. Release chum, wild coho, and adult Chinook.

7400 line bridge upstream: Additional December 1 through March 31 season. Selective gear rules. Fishing from a floating device prohibited. All species: Release all fish except up to two hatchery steelhead may be retained per day.

Wynoochee Reservoir (Grays Harbor County): The first Saturday in June through October 31 season. Trout: Daily limit two, minimum length twelve inches. Salmon: Landlocked salmon rules apply.

Yakima River (Yakima County): Release all steelhead in mainstem and tributaries. Channel catfish: No daily limit.

From mouth to 400 feet below Prosser Dam: March 1 through October 22 season. Closed waters: From the WDFW white markers 200 feet downstream of the USBR Chandler Powerhouse/Pumping Station spillway chute to the powerline crossing immediately upstream of the powerhouse September 1 through October 22. Chumming permitted. Trout: Release all trout. Salmon: Open only September 1 through October 22. Daily limit 6 fish of which not more than 2 may be adult salmon. All species: Anti-snagging rule and night closure September 1 through October 22.

From Prosser Dam to Highway 223 Bridge: May 1 through October 31 season. Trout: Release all trout.

From mouth to Highway 223 Bridge: Bass: Bass 12 to 17 inches in length may be retained. No daily limit for bass,

but not more than 3 bass greater than 15 inches in length may be retained.

From Highway 223 Bridge to 400 feet below Sunnyside Dam: Trout: Minimum length twelve inches and maximum length twenty inches. Salmon: Open only September 1 through October 22. Daily limit 6 fish of which not more than 2 may be adult salmon. All species: Anti-snagging rule and night closure September 1 through October 22. Additional season December 1 through last day in February - Whitefish gear rules apply.

From Sunnyside Dam to thirty-five hundred feet below Roza Dam: Closed waters: From Yakima Avenue-Terrace Heights Bridge upstream 400 feet. All species: Selective gear rules. Trout: Minimum length twelve inches and maximum length twenty inches. Additional season December 1 through last day in February - Whitefish gear rules apply.

From thirty-five hundred feet below Roza Dam to Roza Dam December 1 through last day in February season. Whitefish gear rules apply.

From Roza Dam to four hundred feet below Easton Dam and from Lake Easton to the base of Keechelus Dam: Year-round season. Fishing from floating devices equipped with motors allowed only from the U.S. Bureau of Reclamation restricted area signs at Roza Dam upstream to the boat launch ramp on the Roza Access Area (approximately one-half mile). Selective gear rules except bait and one single point barbed hook three-sixteenths or smaller point to shank may be used December 1 through last day in February. Trout: From Roza Dam to 400 feet below Easton Dam: Release all trout. Lake Easton to the base of Keechelus Dam. Release all trout except eastern brook trout. Eastern brook trout: No daily limit and no minimum size.

Yakima Sportsmen's Park Ponds (Yakima County): Juveniles only.

Yale Reservoir (Cowlitz County): Trout: Kokanee not counted in daily trout limit. Kokanee daily limit sixteen.

Yellowhawk Creek (Walla Walla County): Closed waters.

Yellowjacket Creek (tributary to Cispus River) (Lewis County): Selective gear rules. Trout: Minimum length twelve inches.

Yokum Lake (Pend Oreille County): Last Saturday in April through October 31 season.

Reviser's note: The spelling error in the above section occurred in the copy filed by the agency and appears in the Register pursuant to the requirements of RCW 34.08.040.

AMENDATORY SECTION (Amending Order 08-165, filed 7/3/08, effective 8/3/08)

WAC 232-28-620 Coastal salmon—Saltwater seasons and daily limits. It shall be unlawful to take, fish for or possess salmon taken by angling for personal use except from the following coastal areas, during the seasons, in the quantities, for the sizes provided in WAC 220-56-180, and for the species designated in this section. Open when a daily limit is provided:

(1) **Catch Record Card Area 1:**

(a) May 1 through ~~((May 3+))~~ June 27 - Closed.

(b) ~~((June 1 through June 28—Daily limit of 1 Chinook. ~~(e))~~ June ~~((29))~~ 28 through September 30 - ~~((Open Sundays through Thursdays only—))~~ Daily limit of 2 salmon, of which not more than one may be a Chinook salmon. Release wild coho.~~

(d) October 1 through April 30 - Closed.

(e) Closed in the Columbia River Mouth Control Zone 1 during all open periods, see WAC 220-56-195.

(2) **Catch Record Card Area 2:**

(a) May 1 through ~~((May 3+))~~ June 27 - Closed.

(b) June ~~((+))~~ 28 through ~~((June 28))~~ July 23 - Open Sundays through Thursdays only. Daily limit ~~((1 Chinook))~~ 2 salmon plus 1 additional pink salmon, of which not more than one may be a Chinook salmon. Release wild coho.

(c) ~~((June 29))~~ July 24 through September ~~((43))~~ 20 - ~~((Open Sundays through Thursdays only-))~~ Daily limit 2 salmon plus 1 additional pink salmon, of which not more than one may be a Chinook salmon. Release wild coho.

(d) September ~~((14))~~ 21 through April 30 - Closed.

(e) Closed to salmon fishing August 1 through September ~~((43))~~ 20 in the Grays Harbor Control Zone described in WAC 220-56-195(11).

(3) **Willapa Bay (Catch Record Card Area 2-1):**

(a) May 1 through June ~~((30))~~ 27 - Closed.

(b) ~~((July 1))~~ June 28 through July 31 - Open concurrent with Area 2 when Area 2 is open for salmon angling. Area 2 rules apply.

(c) August 1 through August 15 - Daily limit of six salmon, not more than two of which may be adult salmon.

(d) August 16 through January 31 - Daily limit 6 salmon, not more than 3 of which may be adult salmon, and of the adult salmon, not more than 2 may be Chinook. Release chum.

(e) February 1 through April 30 - Closed.

(4) **Grays Harbor (Catch Record Card Area 2-2 east of the Buoy 13 line):**

(a) May 1 through September 15 - Closed.

(b) September 16 through November 30 - Daily limit of 2 salmon, of which only 1 may be a wild adult coho. Release chum and adult Chinook. ~~((Open only east of a line drawn from the mouth of O'Leary Creek to Buoy 35, then to the westernmost tip of Moon Island-))~~

(c) December 1 through April 30 - Closed.

(d) Notwithstanding the provisions of this subsection, Westport Boat Basin and Ocean Shores Boat Basin: Open only August 16 through January 31 - Daily limit of six salmon not more than four of which may be adult salmon.

(5) **Grays Harbor (Catch Record Card Area 2-2 west of the Buoy 13 line) - Closed.**

(6) **Catch Record Card Area 3:**

(a) May 1 through ~~((May 3+))~~ June 26 - Closed.

(b) June ~~((+))~~ 27 through ~~((June 28))~~ July 17 - Open Tuesdays through Saturdays only. Daily limit ~~((1 Chinook))~~ of 2 salmon plus 2 additional pink salmon, of which not more than one may be a Chinook salmon. Release wild coho.

(c) ~~((June 29))~~ July 18 through September ~~((43))~~ 20 - ~~((Open Tuesday through Saturday only-))~~ Daily limit of 2 salmon plus 2 additional pink, of which not more than one may be a Chinook salmon. Release wild coho.

(d) September ~~((14))~~ 21 through April 30 - Closed.

(e) Notwithstanding the provisions of this subsection, waters north of 47°50'00"N latitude and south of 48°00'00"N latitude also open September ((20)) 26 through October ((5)) 11 - Daily limit two salmon, of which not more than one may be a Chinook salmon. Release wild coho.

(7) Catch Record Card Area 4:

(a) May 1 through ((May 31)) June 26 - Closed.

(b) June ((1)) 27 through ((June 28)) July 17 - Open Tuesdays through Saturdays only. Daily limit ((1 Chinook)) of 2 salmon plus 2 additional pink, of which not more than one may be a Chinook salmon. Release wild coho salmon. Waters east of a true north-south line through Sail Rock closed.

(c) ((June 29)) July 18 through September ((13)) 20 - ((Open Tuesdays through Saturdays only.)) Daily limit of 2 salmon plus 2 additional pink, of which not more than one may be a Chinook salmon. Release wild coho salmon. Waters east of a true north-south line through Sail Rock closed ((July 1)) June 27 through July 31. Release Chinook salmon caught east of the Bonilla-Tatoosh line beginning August 1. Release chum salmon beginning August 1.

(d) September ((14)) 21 through April 30 - Closed.

Reviser's note: The typographical error in the above section occurred in the copy filed by the agency and appears in the Register pursuant to the requirements of RCW 34.08.040.

AMENDATORY SECTION (Amending Order 08-165, filed 7/3/08, effective 8/3/08)

WAC 232-28-621 Puget Sound salmon—Saltwater seasons and daily limits. It is unlawful to fish for or possess salmon taken by angling for personal use except from the following Puget Sound areas, during the seasons, in the quantities, and for the species designated in this section and sizes as defined in WAC 220-56-180. Open when a daily limit is provided. Puget Sound waters west of the mouth of the Sekiu River are managed concurrent with ocean waters as provided for in WAC 232-28-620.

(1) Catch Record Card Area 5:

(a) May 1 through June 30 - Closed.

(b) July 1 through August ((9)) 15 - Daily limit 2 salmon. Release chum, wild Chinook and wild coho. In years ending in odd numbers, 2 additional pink salmon may be retained as part of the daily limit.

(c) August ((10)) 16 through September ((15)) 18 - Daily limit of 2 salmon. Release chum, Chinook and wild coho. In years ending in odd numbers, 2 additional pink salmon may be retained as part of the daily limit.

(d) September ((16)) 19 through September 30 - Daily limit of 2 salmon. Release chum and Chinook.

(e) October 1 through October ((31)) 15 - ((Closed.)) Daily limit of 2 salmon, not more than one of which may be a Chinook salmon.

(f) ((November 1 through November 30—Daily limit of 2 salmon, not more than one of which may be a Chinook salmon.

((g) December 1)) October 16 through February ((13)) 12 - Closed.

((h)) ((g)) February ((14)) (13) through April 10 - Daily limit 1 salmon.

((i)) ((h)) April 11 through April 30 - Closed.

(2) Catch Record Card Area 6:

(a) May 1 through June 30 - Closed.

(b) July 1 through August ((9)) (15) - Daily limit 2 salmon. Release chum, wild Chinook and wild coho. Release all Chinook east of a true north-south line through the Number 2 Buoy immediately east of Ediz Hook. In years ending in odd numbers, 2 additional pink salmon may be retained as part of the daily limit.

(c) August ((10)) 16 through September 30 - Daily limit of 2 salmon. Release chum, Chinook and wild coho. In years ending in odd numbers, 2 additional pink salmon may be retained as part of the daily limit.

(d) Waters of Port Angeles Harbor west of a line from the tip of Ediz Hook to the ITT Rayonier Dock are closed July 1 through October 31.

(e) October 1 through October 31 - Daily limit of 2 salmon not more than 1 of which may be a Chinook salmon, except waters of Dungeness Bay inside a line from Dungeness Spit Lighthouse to the Number 2 Red Buoy then to the Port Williams Boat Ramp are open with a daily limit of 2 coho salmon. Release all other salmon. Waters inside the line described in this subsection are closed at all times except during October.

(f) November 1 through February ((13)) (12) - Closed.

(g) February ((14)) (13) through April 10 - Daily limit 1 salmon.

(h) April 11 through April 30 - Closed.

(3) Catch Record Card Area 7:

(a) May 1 through June 30 - Closed.

(b) July 1 through July 31 - Daily limit of 2 salmon, not more than one of which may be a Chinook salmon. In years ending in odd numbers, 2 additional pink salmon may be retained as part of the daily limit. Closed to salmon fishing in the Southern Rosario Strait and Eastern Strait of Juan de Fuca closure area described in WAC 220-56-195(7).

(c) August 1 through September 30 - Daily limit of 2 salmon, not more than one of which may be a Chinook salmon. Release chum and wild coho. In years ending in odd numbers, 2 additional pink salmon may be retained as part of the daily limit. Closed to salmon fishing in the Southern Rosario Strait and Eastern Strait of Juan de Fuca closure area described in WAC 220-56-195(7).

(d) Waters of Bellingham Bay described in WAC 220-56-195(1) closed April 1 through April 30 and July 1 through August 15. August 16 through October 31 - Daily limit 4 salmon, not more than 2 of which may be Chinook salmon. Release pink. November 1 through March 31 and June 1 through June 30 - Same rules as Area 7.

(e) October 1 through October 31 - Daily limit of 2 salmon, not more than one of which may be a Chinook salmon. Release wild coho.

(f) Waters of Samish Bay described in WAC 220-56-195(4) closed April 1 through April 30 and July 1 through October 15.

(g) November 1 through ((January 31)) November 30 - Closed.

(h) ((February)) December 1 through April ((15)) 30 - Daily limit 2 salmon. Release wild Chinook.

((i) April 16 through April 30—Closed.))

(4) Catch Record Card Area 8-1:

(a) May 1 through July 31 - Closed.

(b) August 1 through September 30 - Daily limit of 2 salmon. Release Chinook. In years ending in odd numbers, 2 additional pink salmon may be retained as part of the daily limit.

(c) October 1 through ~~(December)~~ October 31 - Closed, except ~~((October 1 through October 31,))~~ waters west of a line from Forbes Point to Bowers Bluff - Open for salmon fishing; daily limit 2 coho.

(d) ~~((January))~~ November 1 through April 30 - Daily limit 2 salmon. Release wild Chinook.

(5) Catch Record Card Area 8-2:

(a) May 1 through July 31 - Closed, except waters west of Tulalip Bay and within 2,000 feet of shore from the pilings at Old Bower's Resort to a fishing boundary marker approximately 1.4 miles northwest of Hermosa Point - June ~~((45))~~ 5 through June 19 and June 21 through July 31, open only Friday through 11:59 a.m. Monday of each week - Daily limit of 2 salmon. In years ending in odd numbers, 2 additional pink salmon may be retained as part of the daily limit.

(b)(i) August 1 through September 30 - Daily limit 2 salmon ~~((;))~~, release Chinook ~~((, except))~~. In years ending in odd numbers, 2 additional pink salmon may be retained as part of the daily limit.

(ii) Waters west of Tulalip Bay and within 2,000 feet of shore from the pilings at Old Bower's Resort, to a fishing boundary marker approximately 1.4 miles northwest of Hermosa Point - August 1 through September ~~((+))~~ 7, open only Friday through 11:59 a.m. Monday of each week; and September ~~((6))~~ 12 through September ~~((28))~~ 27, open only Saturday and Sunday of each week - Daily limit of 2 salmon. In years ending in odd numbers, 2 additional pink salmon may be retained as part of the daily limit. September 28 through June 4 - Same rules as Area 8-2.

(c) October 1 through ~~(December)~~ October 31 - Closed, except ~~((October 1 through October 31,))~~ waters south of a line true east from Randall Point at 49°59'N - Open for salmon fishing; daily limit 2 salmon. Release Chinook.

(d) ~~((January))~~ November 1 through April 30 - Daily limit 2 salmon. Release wild Chinook.

(6) Catch Record Card Area 9:

(a) May 1 through July 15 - Closed.

(b) July 16 through August ~~((45))~~ 31 - Daily limit of 2 salmon. Release chum ~~((, wild coho,))~~ and wild Chinook. In years ending in odd numbers, 2 additional pink salmon may be retained as part of the daily limit. Closed south of a line from Foulweather Bluff to Olele Point.

(c) ~~((August 16 through September 15 - Daily limit of 2 salmon. Release chum, wild coho, and Chinook.~~

~~((+))~~ September ~~((46))~~ 1 through September 30 - Daily limit of 2 salmon. Release chum and Chinook. In years ending in odd numbers, 2 additional pink salmon may be retained as part of the daily limit.

~~((+))~~ (d) October 1 through October 31 - Daily limit of 2 salmon. Release Chinook.

~~((+))~~ (e) November 1 through November 30 - Daily limit 2 salmon. Release wild Chinook.

~~((+))~~ (f) December 1 through January 15 - Closed.

~~((+))~~ (g) January 16 through April 15 - Daily limit 2 salmon. Release wild Chinook.

~~((+))~~ (h) April 16 through April 30 - Closed.

~~((+))~~ (i) Edmonds Fishing Pier: Open year-round - Daily limit 2 salmon, not more than one of which may be a Chinook salmon. Release chum August 1 through September 30. In years ending in odd numbers, 2 additional pink salmon may be retained as part of the daily limit July 1 through September 30.

(7) Catch Record Card Area 10:

(a) May 1 through May 31 - Closed.

(b) June 1 through June 30 - Open only north of a line from Point Monroe to Meadow Point. Catch and release.

(c) July 1 through July 15 - Daily limit 2 salmon. Release Chinook. In years ending in odd numbers, 2 additional pink salmon may be retained as part of the daily limit.

(d) July 16 through August ~~((45))~~ 31 - Daily limit 2 salmon. Release wild Chinook and beginning August 1 release chum. In years ending in odd numbers, 2 additional pink salmon may be retained as part of the daily limit.

(e) ~~((August 16))~~ September 1 through September 30 - Daily limit 2 salmon. Release chum ~~((August 16))~~ through September 15. Release Chinook. In years ending in odd numbers, 2 additional pink salmon may be retained as part of the daily limit.

(f) Waters of Shilshole Bay southeast of a line from Meadow Point to West Point closed July 1 through August 31.

(g) Waters of Elliott Bay east of a line from West Point to Alki Point closed July 1 through August ~~((26))~~ 31, except waters east of a line from Pier 91 to Duwamish Head open July ~~((4))~~ 3 through August ~~((25))~~ 24, and open only on Friday through Monday of each week - Daily limit 2 salmon. Release chum August 1 through August ~~((25))~~ 24. In years ending in odd numbers, 2 additional pink salmon may be retained as part of the daily limit.

~~((+))~~ (h) Waters of Sinclair Inlet and Port Orchard south of the Manette Bridge in Bremerton, south of a line true west from Battle Point, and west of a line drawn true south from Point White - Daily limit 2 salmon July 1 through September 30. Release wild Chinook. Release chum August 1 through September 15. In years ending in odd numbers, 2 additional pink salmon may be retained as part of the daily limit.

~~((h))~~ ~~((October 1 through October 15 - Daily limit of 2 salmon. Release Chinook salmon.))~~

(i) ~~((October 16 through November 30 - Daily limit of 2 salmon, not more than one of which may be a Chinook salmon.))~~

~~((j))~~ ~~((December))~~ October 1 through January 31 - Daily limit of 2 salmon. Release wild Chinook.

(j) Waters of Agate Pass west of a line from Point Monroe to Indianola and east of a line from Point Bolin to Battle Point fly fishing only, lead core lines prohibited and catch and release January 1 through January 31.

(k) February 1 through April 30 - Closed.

(l) Elliott Bay Fishing Pier at Terminal 86, Seacrest Pier, Waterman Pier, Bremerton Boardwalk, and Illahee State Park Pier: Open year-round - Daily limit 2 salmon, not more than one of which may be a Chinook salmon. Release chum

August 1 through September 15. In years ending in odd numbers, 2 additional pink salmon may be retained as part of the daily limit July 1 through September 30.

(m) Duwamish Waterway downstream from the First Avenue South Bridge to an east-west line projected through Southwest Hanford Street on Harbor Island, July 1 through October 31, night closure, ~~((only 1 single-point barbless hook may be used))~~ anti-snagging rule, and only fish hooked inside the mouth may be retained.

(8) Catch Record Card Area 11:

(a) May 1 through May 31 - Closed.

(b) June 1 through June 30 - Daily limit of 2 salmon. Release wild Chinook. Waters of Commencement Bay east of a line from the Cliff House Restaurant to the Sperry Ocean Dock closed.

(c) July 1 through September 30 - Daily limit of 2 salmon. Release wild Chinook. In years ending in odd numbers, 2 additional pink salmon may be retained as part of the daily limit. Waters of Commencement Bay east of a line from the Cliff House Restaurant to the Sperry Ocean Dock closed July 1 through July 31.

(d) October 1 through October 31 - Daily limit of 2 salmon.

(e) November 1 through December 31 - Daily limit of 2 salmon, not more than one of which may be a Chinook salmon.

(f) January 1 through ~~((February 13))~~ January 31 - Closed.

(g) February ~~((14))~~ 1 through April ~~((40))~~ 30 - Daily limit of ~~((+))~~ 2 salmon. Release wild Chinook. Waters of Commencement Bay east of a line from the Cliff House Restaurant to the Sperry Ocean Dock closed April 1 through April 30.

(h) ~~((April 11 through April 30 - Closed.~~

~~((+)))~~ Dash Point Dock, Les Davis Pier, Des Moines Pier, Redondo Pier and Point Defiance Boathouse Dock: Open year-round - Daily limit 2 salmon, not more than one of which may be a Chinook salmon. In years ending in odd numbers, 2 additional pink salmon may be retained as part of the daily limit July 1 through September 30.

(9) Catch Record Card Area 12:

(a) May 1 through June 30 - Closed.

(b) July 1 through October 15 in waters south of Ayock Point - Daily limit 4 salmon, of which no more than two may be Chinook salmon ~~((and no more than two may be coho salmon))~~. Release chum.

(c) July 1 through August 31 in waters north of Ayock Point except waters of Quilcene Bay north of a true east line from Whitney Point to the Toandos Peninsula - Closed.

(d) September 1 through October 15 in waters north of Ayock Point and August 16 through October 15 in waters of Quilcene Bay north of a true east line from Whitney Point to the Toandos Peninsula - Daily limit ~~((2))~~ 4 coho salmon. Release all salmon except coho.

(e) October 16 through December 31 - Daily limit 4 salmon, of which no more than one may be a Chinook salmon ~~((and no more than two may be coho salmon))~~.

(f) January 1 through ~~((February 13))~~ January 31 - Closed.

(g) February ~~((14))~~ 1 through April ~~((40))~~ 30 - Daily limit ~~((+))~~ 2 salmon, release wild Chinook.

(h) ~~((April 11 through April 30 - Closed.~~

(10) Catch Record Card Area 13:

(a) May 1 through June 30 - Daily limit 2 salmon. Release wild Chinook.

(b) July 1 through September 30 - Daily limit 2 salmon. Release wild coho and wild Chinook.

(c) October 1 through October 31 - Daily limit 2 salmon. Release wild coho.

(d) Waters at the mouth of Minter Creek within 1,000 feet of the outer oyster stakes are closed April 16 through September 30.

(e) Waters of Budd Inlet south of the Fourth Avenue Bridge are closed. Contiguous waters north of the Fourth Avenue Bridge and south of a line from the northwest corner of the Thriftway Market building and a point 100 yards north of the railroad bridge on the western shore are closed July 16 through October 31. Waters north of the Thriftway Market-railroad bridge line and south of a line projected due west from the KGY radio tower - night closure and ~~((nonbuoyant lure restriction))~~ anti-snagging rule July 16 through October 31.

(f) November 1 through December 31 - Daily limit of 2 salmon, not more than one of which may be a Chinook salmon.

(g) January 1 through January 31 - Daily limit 1 salmon.

(h) February 1 through last day in February - Closed.

(i) March 1 through April 30 - Daily limit 1 salmon.

(j) Fox Island Public Fishing Pier: Open year-round - Daily limit 2 salmon, not more than one of which may be a Chinook salmon. Release wild coho, July 1 through October 31.

WSR 09-15-039

PERMANENT RULES

DEPARTMENT OF HEALTH

[Filed July 8, 2009, 1:57 p.m., effective July 8, 2009, 1:57 p.m.]

Effective Date of Rule: Immediately.

Other Findings Required by Other Provisions of Law as Precondition to Adoption or Effectiveness of Rule: This effective date is necessary to implement 2008 legislation that amended chapter 18.225 RCW.

Purpose: 2SHB 2674 (chapter 135, Laws of 2008) amends the credentialing standards for registered counselors (RC). The legislation creates eight new professions, abolishes the RC credential, and adds four associate level credentials. The change in statute makes it necessary for the department to develop rules for the following professions: Licensed social work associate – advanced (LSWAA); licensed social work associate – independent clinical (LSWAIC); licensed mental health counselor associate (LMHCA); and licensed marriage and family therapy associate (LMFTA).

Citation of Existing Rules Affected by this Order: Repealing WAC 246-809-061, 246-809-062, 246-809-063, 246-809-064, 246-809-065 and 246-809-066; and amending WAC 246-809-010 Definitions, 246-809-035 Recordkeeping and retention, 246-809-040 Reporting of suspected abuse or neglect of a child r[or] vulnerable adult, 246-809-049 Sexual misconduct, 246-809-110 Definitions, 246-809-120 Educational requirements—Degree equivalents, 246-809-121 Program equivalency, 246-809-130 Supervised postgraduate experience, 246-809-134 Approved supervisor, 246-809-140 Examination, 246-809-210 Definitions, 246-809-220 Education requirements, 246-809-230 Supervised postgraduate experience, 246-809-234 Approved supervisor, 246-809-240 Examination for licensed mental health counselors, 246-809-310 Definitions, 246-809-320 Education requirements and supervised postgraduate experience, 246-809-334 Approved supervisor standards and responsibilities, 246-809-600 Who is required to have continuing education?, 246-809-710 Required disclosure information, and 246-809-990 Licensed counselor and associate—Fees and renewal cycle.

Statutory Authority for Adoption: Chapter 18.225 RCW.

Adopted under notice filed as WSR 09-10-090 on May 6, 2009.

A final cost-benefit analysis is available by contacting Betty J. Moe, Department of Health, P.O. Box 47852, Tumwater, WA 98504, phone (360) 236-4912, fax (360) 236-2406, e-mail Betty.Moe@doh.wa.gov.

Number of Sections Adopted in Order to Comply with Federal Statute: New 0, Amended 0, Repealed 0; Federal Rules or Standards: New 0, Amended 0, Repealed 0; or Recently Enacted State Statutes: New 3, Amended 21, Repealed 6.

Number of Sections Adopted at Request of a Nongovernmental Entity: New 0, Amended 0, Repealed 0.

Number of Sections Adopted on the Agency's Own Initiative: New 0, Amended 0, Repealed 0.

Number of Sections Adopted in Order to Clarify, Streamline, or Reform Agency Procedures: New 0, Amended 0, Repealed 0.

Number of Sections Adopted Using Negotiated Rule Making: New 0, Amended 0, Repealed 0; Pilot Rule Making: New 0, Amended 0, Repealed 0; or Other Alternative Rule Making: New 3, Amended 21, Repealed 6.

Date Adopted: July 8, 2009.

Mary C. Selecky
Secretary

LICENSED COUNSELORS AND ASSOCIATE COUNSELORS—GENERAL REQUIREMENTS

AMENDATORY SECTION (Amending WSR 06-09-032, filed 4/12/06, effective 5/13/06)

WAC 246-809-010 Definitions. ((The following terms are defined within the meaning of this chapter.)) The definitions in this section apply throughout this chapter unless the context clearly requires otherwise.

(1) "Associate" means a prelicensure candidate who has a graduate degree in a mental health field under RCW

18.225.090 and is gaining the supervision and supervised experience necessary to become a licensed independent clinical social worker, a licensed advanced social worker, a licensed mental health counselor, or a licensed marriage and family therapist. Associates may not independently provide social work, mental health counseling, or marriage and family therapy for a fee, monetary or otherwise. Associates must work under the supervision of an approved supervisor.

(2) "Independent social work, mental health counseling, or marriage and family therapy" means the practice of these disciplines without being under the supervision of an approved supervisor.

(3) "Licensed counselor" means a licensed marriage and family therapist, licensed mental health counselor, licensed advanced social worker, or licensed independent clinical social worker regulated under chapter 18.225 RCW.

AMENDATORY SECTION (Amending WSR 06-09-032, filed 4/12/06, effective 5/13/06)

WAC 246-809-035 ((Record-keeping)) Recordkeeping and retention. (1) The licensed counselor or associate providing professional services to a client or providing services billed to a third-party payor, ((shall)) must document services, except as provided in subsection (2) of this section. The documentation includes:

- (a) Client name;
- (b) The fee arrangement and record of payments;
- (c) Dates counseling was received;
- (d) Disclosure form, signed by licensed counselor and client or associate and client;
- (e) The presenting problem(s), purpose or diagnosis;
- (f) Notation and results of formal consults, including information obtained from other persons or agencies through a release of information;
- (g) Progress notes sufficient to support responsible clinical practice for the type of theoretical orientation/therapy the licensed counselor or associate uses. The associate must provide adequate information about their clinical work to the approved supervisor. This can be in the form of progress notes, case discussions/analysis, or reports from collaborating professionals. The approved supervisor must have an understanding of the clinical work that the associate is doing.

(2) If a client requests that no treatment records be kept, and the licensed counselor or associate agrees to the request, the request must be in writing and the licensed counselor or associate must retain only the following documentation:

- (a) Client name;
 - (b) Fee arrangement and record of payments;
 - (c) Dates counseling was received;
 - (d) Disclosure form, signed by licensed counselor or associate and client;
 - (e) Written request that no records be kept.
- (3) The licensed counselor or associate may not agree to the request if maintaining records is required by other state or federal law.

(4) The licensed counselor or associate or the associate's supervisor must keep all records for a period of five years following the last visit. Within this five-year period, all records must be maintained safely, with properly limited access.

(5) The licensed counselor or associate or the associate's supervisor must make provisions for retaining or transferring records in the event of going out of business, death or incapacitation. These provisions may be made in the practitioner's will, an office policy, or by ensuring another licensed counselor is available to review records with a client and recommend a course of action; or other appropriate means as determined by the licensed counselor or associate.

AMENDATORY SECTION (Amending WSR 06-09-032, filed 4/12/06, effective 5/13/06)

WAC 246-809-040 Reporting of suspected abuse or neglect of a child(~~(-dependent)~~) or vulnerable adult(~~(-or a developmentally disabled person)~~). As required by chapter 26.44 (~~and 74.34~~) RCW, all licensed counselors and associates must report abuse or neglect of a child(~~(-dependent adult, or developmentally disabled person)~~) if the counselor has reasonable cause to believe that an incident has occurred.

As required by chapter 74.34 RCW, all licensed counselors and associates must report suspected abandonment, abuse, neglect, or financial exploitation of a vulnerable adult, when there is reasonable cause to believe that abandonment, abuse, financial exploitation, or neglect has occurred.

The counselor or associate shall report to the local law enforcement agency or to the department of social and health services at the first opportunity, but no longer than (~~forty-eight~~) twenty-four hours after deciding there is reasonable cause to believe that the child or vulnerable adult has suffered abandonment, abuse (~~(or)~~, neglect, or financial exploitation.

The associate will inform their approved supervisor of any report made by the associate.

AMENDATORY SECTION (Amending WSR 08-07-090, filed 3/19/08, effective 4/19/08)

WAC 246-809-049 Sexual misconduct. (1) The definitions and prohibitions on sexual misconduct described in chapter 246-16 WAC apply to licensed (~~(marriage and family therapists, licensed mental health))~~ counselors(~~(;)~~) and (~~(licensed social workers))~~ associates except WAC 246-16-100 (3) and (4).

(2) A licensed (~~(marriage and family therapist, licensed mental health))~~ counselor(~~(;)~~) or (~~(licensed social worker)~~) associate shall never engage, or attempt to engage, in the activities listed in WAC 246-16-100(1) with a former patient, former client or former key party.

LICENSED MARRIAGE AND FAMILY THERAPISTS AND LICENSED MARRIAGE AND FAMILY THERAPY ASSOCIATES

NEW SECTION

WAC 246-809-100 One year exemption option. Persons who submit an application for licensure as a marriage and family therapist by July 1, 2010, and who have held a registered counselor credential issued under chapter 18.19 RCW in good standing for five consecutive years since obtaining their master's degree in an approved field, are

deemed to have met the supervised postgraduate experience requirements of WAC 246-809-130. Applicants must meet the education requirements in WAC 246-809-120 and the examination requirements of WAC 246-809-140.

AMENDATORY SECTION (Amending WSR 06-18-043, filed 8/30/06, effective 9/30/06)

WAC 246-809-110 Definitions. The following terms apply to the licensure of marriage and family therapists and marriage and family therapist associates.

(1) "Approved educational program" means:

(a) Any college or university accredited by a national or regional accrediting body recognized by the Commission on Recognition of Postsecondary Accreditation or its successor; or

(b) A program accredited by the Commission on Accreditation for Marriage and Family Therapy Education (COAM-FTE), at the time the applicant completed the required education.

(2) "Approved supervisor" means a licensed marriage and family therapist, or an equally qualified licensed mental health practitioner.

(3) "Equally qualified licensed mental health practitioner" means a licensed mental health counselor, licensed clinical social worker, licensed psychologist, licensed physician practicing as a psychiatrist, or licensed psychiatric nurse practitioner, who has completed:

(a) Three hundred clock hours in graduate or postgraduate marriage and family education, or continuing education in marriage and family therapy or supervision by an approved marriage and family therapist supervisor in marriage and family therapy or any combination of these; and

(b) Five years of clinical practice that includes the equivalent of one year of clinical practice working with couples and families.

(4) "Group supervision" means face-to-face supervision with an approved supervisor, involving one supervisor and no more than six licensure candidates.

(5) "Licensure candidate" means an individual that is accruing supervised clinical experience required for licensure.

(6) "One-on-one supervision" means face-to-face supervision with an approved supervisor, involving one supervisor and no more than two licensure candidates.

(7) "Supervised experience requirement" means experience that is obtained under an approved supervisor who meets the requirements described in WAC 246-809-134.

(8) "Supervision of supervision" means supervision by an approved supervisor for the purpose of training and qualifying a license holder to act as an approved supervisor for purposes of chapter 18.225 RCW and WAC 246-809-134.

(9) "Peer" means a co-worker who is not the licensure candidate's employer or supervisor.

AMENDATORY SECTION (Amending WSR 01-17-113, filed 8/22/01, effective 9/22/01)

WAC 246-809-120 Education requirements—Degree equivalents. (1) To meet the education requirement (~~(of chapter 251, Laws of 2001, an applicant)~~) for full licensure or

associate licensure an applicant must (~~(possess)~~) have a master's or doctoral degree in marriage and family therapy or a behavioral science master's or doctoral degree with equivalent course work from an approved school. An official transcript must be provided as evidence of fulfillment of the course work required.

(2) The following are considered to be equivalent to a master's or doctoral degree in marriage and family therapy from an approved school:

(a) A doctoral or master's degree from an approved school in any of the behavioral sciences that shows evidence of fulfillment of the course work requirements set out in WAC 246-809-121; or

(b) A doctoral or master's degree in any of the behavioral sciences from an approved school that shows evidence of partial fulfillment of the equivalent course work requirements set out in WAC 246-809-121, plus supplemental course work from an approved school to satisfy the remaining equivalent course work requirements set out in WAC 246-809-121.

(3) Applicants who held a behavioral science master's or doctoral degree and are completing supplemental course work through an approved school to satisfy any missing program equivalencies may count any postgraduate experience hours acquired concurrently with the additional course work.

(4) Anyone who has obtained American Association for Marriage and Family Therapy (AAMFT) clinical membership status is considered to have met the education requirements of this chapter. Verification must be sent directly to the department from the AAMFT.

AMENDATORY SECTION (Amending WSR 01-17-113, filed 8/22/01, effective 9/22/01)

WAC 246-809-121 Program equivalency. Course work equivalent to a master's or doctoral degree in marriage and family therapy (~~(shall)~~) must include graduate level courses in marital and family systems, marital and family therapy, individual development psychopathology, human sexuality, research, professional ethics and law, and supervised clinical practice and electives.

A total of forty-five semester credits and sixty quarter credits are required in all nine areas of study. A minimum of twenty-seven semester credits or thirty-six quarter credits are required in the first five areas of study: Marital and family systems, marital and family therapy, individual development psychopathology, human sexuality, and research. Distribution of the course work is as follows:

(1) Marital and family systems.

(a) An applicant must have taken at least two courses in marital and family systems. Course work required is a minimum of six semester credits or eight quarter credits.

(b) Marital and family systems is a fundamental introduction to the systems approach to intervention. The student should learn to think in systems terms on a number of levels across a wide variety of family structures, and regarding a diverse range of presenting problems. While the most intense focus may be on the nuclear family (in both its traditional and alternative forms), models should be taught which integrate information regarding the marital, sibling, and individual subsystems, as well as the family of origin and external soci-

etal influences. Developmental aspects of family functioning should also be considered of the family system; it also provides a theoretical basis for treatment strategy. Some material may be drawn from familiar sources such as family sociology, but it should be integrated with recent clinically oriented systems concepts. Supplemental studies may include family simulation, the observation of well families, and study of the student's family of origin.

(2) Marital and family therapy.

(a) An applicant must have taken at least two courses in marital and family therapy. Course work required is a minimum of six semester credits or eight quarter credits.

(b) Marital and family therapy is intended to provide a substantive understanding of the major theories of systems change and the applied practices evolving from each orientation. Major theoretical approaches to be surveyed might include strategic, structural, experiential, neoanalytical (e.g., object relations), communications, and behavioral. Applied studies should consider the range of technique associated with each orientation, as well as a variety of treatment structures, including individual, concurrent, collaborative, conjoint marital, marital group, transgenerational, and network therapies.

(3) Individual development.

(a) An applicant must have taken at least one course in individual development. Course work required is a minimum of two semester credits or three quarter credits.

(b) A course in this area is intended to provide a knowledge of individual personality development and its normal and abnormal manifestations. The student should have relevant course work in human development across the life span, and in personality theory. An attempt should be made to integrate this material with systems concepts. Several of the courses in this category may be required as prerequisites for some degree programs.

(4) Psychopathology.

(a) An applicant must have taken at least one course in psychopathology. Course work required is a minimum of two semester credits or three quarter credits.

(b) Psychopathology is the assessment and diagnosis including familiarity with current diagnostic nomenclature, diagnostic categories and the development of treatment strategies.

(5) Human sexuality.

(a) An applicant must have taken at least one course in human sexuality. Course work required is a minimum of two semester credits or three quarter credits.

(b) Human sexuality includes normal psycho-sexual development, sexual functioning and its physiological aspects and sexual dysfunction and its treatment.

(6) Research.

(a) An applicant must have taken at least one course in research methods. Course work required is a minimum of three semester credits or four quarter credits.

(b) The research area is intended to provide assistance to students in becoming informed consumers of research in the marital and family therapy field. Familiarity with substantive findings, together with the ability to make critical judgments as to the adequacy of research reports, is expected.

(7) Professional ethics and law.

(a) An applicant must have taken at least one course in professional ethics and law. Course work required is a minimum of three semester credits or four quarter credits.

(b) This area is intended to contribute to the development of a professional attitude and identity. Areas of study will include professional socialization and the role of the professional organization, licensure or certification legislation, legal responsibilities and liabilities, ethics and family law, confidentiality, independent practice and interprofessional cooperation.

(8) Electives.

(a) An individual must take one course in an elective area. Course work required is a minimum of three semester credits and four quarter credits.

(b) This area will vary with different institutions but is intended to provide supplemental and/or specialized supporting areas.

(9) Supervised clinical practice.

(a) An applicant may acquire up to nine semester credits or twelve quarter credits through supervised clinical practice in marriage and family therapy under the supervision of a qualified marriage and family therapist as determined by the school(♾).

(b) If an applicant completed a master's or doctoral degree program in marriage and family therapy, or a behavioral science master's or doctoral degree with equivalent course work, prior to January 1, 1997; and if that degree did not include a supervised clinical practice component, the applicant may substitute the clinical practice component with proof of a minimum of three years postgraduate experience in marriage and family therapy, in addition to the two years supervised postgraduate experience required under section 9(1), chapter 251, Laws of 2001.

AMENDATORY SECTION (Amending WSR 06-18-043, filed 8/30/06, effective 9/30/06)

WAC 246-809-130 Supervised postgraduate experience. The experience requirements for the marriage and family therapist applicant's practice area include successful completion of a supervised experience requirement. The experience requirement consists of a minimum of two calendar years of full-time marriage and family therapy. Of the total supervision, one hundred hours must be with a licensed marriage and family therapist with at least five years' clinical experience; the other one hundred hours may be with an equally qualified licensed mental health practitioner. Total experience requirements include:

(1) A minimum of three thousand hours of experience, one thousand hours of which must be direct client contact; at least five hundred hours must be gained in diagnosing and treating couples and families; plus

(2) At least two hundred hours of qualified supervision with an approved supervisor. At least one hundred of the two hundred hours must be one-on-one supervision, and the remaining hours may be in one-on-one or group supervision.

(3) Applicants who have completed a master's program accredited by the Commission on Accreditation for Marriage and Family Therapy Education of the American Association

for Marriage and Family Therapy may be credited with five hundred hours of direct client contact and one hundred hours of formal meetings with an approved supervisor.

(4) Licensed marriage and family therapist associate applicants are not required to have supervised postgraduate experience prior to becoming an associate.

(5) Licensed marriage and family therapist associate applicants must declare they are working towards full licensure.

AMENDATORY SECTION (Amending WSR 06-18-043, filed 8/30/06, effective 9/30/06)

WAC 246-809-134 Approved supervisor. (1) The approved supervisor (~~shall~~) must hold a license without restrictions that has been in good standing for at least two years.

(2) The approved supervisor (~~shall~~) must not be a blood or legal relative or cohabitant of the licensure candidate, licensure candidate's peer, or someone who has acted as the licensure candidate's therapist within the past two years.

(3) The approved supervisor, prior to the commencement of any supervision, (~~shall~~) must provide the licensure candidate a declaration, on a form provided by the department, that the supervisor has met the requirements of WAC 246-809-134 and (~~qualifies~~) qualify as an approved supervisor.

(4) The approved supervisor (~~shall~~) must have completed the following:

(a) A minimum of fifteen clock hours of training in clinical supervision obtained through:

- (i) A supervision course; or
- (ii) Continuing education credits on supervision; or
- (iii) Supervision of supervision; or
- (iv) Any combination of these; and

(b) Twenty-five hours of experience in supervision of clinical practice; or

(c) An American Association for Marriage and Family Therapy (AAMFT) approved supervisor (~~is considered to have met~~) meets the qualifications above.

(5) The approved supervisor (~~shall~~) must attest to having thorough knowledge of the supervisee's practice activities including:

- (a) Practice setting;
- (b) Recordkeeping;
- (c) Financial management;
- (d) Ethics of clinical practice; and
- (e) A backup plan for coverage.

(6) Applicants whose supervised postgraduate experience began (~~prior to the effective date of these rules~~) before September 30, 2006, are exempt from the requirements of subsection (4) of this section.

AMENDATORY SECTION (Amending WSR 01-17-113, filed 8/22/01, effective 9/22/01)

WAC 246-809-140 Examination. Examination required. Applicants for full licensure must take and pass the Association of Marital and Family Therapy Regulatory Boards (AMFTRB) examination. The passing score on the examination (~~shall be that~~) is established by the testing company in conjunction with the AMFTRB.

**LICENSED MENTAL HEALTH COUNSELORS
AND LICENSED MENTAL HEALTH COUNSELOR
ASSOCIATES**

NEW SECTION

WAC 246-809-200 One year exemption option. Persons who submit an application for licensure as a mental health counselor by July 1, 2010, and who have held a registered counselor credential issued under chapter 18.19 RCW in good standing for five consecutive years since obtaining their master's degree in an approved field, are deemed to have met the supervised postgraduate experience requirements of WAC 246-809-230. Applicants must meet the education requirements in WAC 246-809-220 and the examination requirements of WAC 246-809-240.

AMENDATORY SECTION (Amending WSR 06-18-043, filed 8/30/06, effective 9/30/06)

WAC 246-809-210 Definitions. The following definitions apply to the licensure of mental health counselors and mental health counselor associates.

(1) "Approved educational program" means any college or university accredited by an accreditation body recognized by the Council for Higher Education Accreditation (CHEA) or its successor, at the time the applicant completed the required education.

(2) "Approved setting" includes facilities, agencies or private practice where an applicant works with individuals, families, couples or groups under the supervision of an approved supervisor.

(3) "Approved supervisor" means a qualified licensed mental health counselor or equally qualified licensed mental health practitioner who has been licensed without restrictions for at least two years.

(4) "Equally qualified licensed mental health practitioner" means a licensed marriage and family therapist, licensed clinical social worker, licensed psychologist, licensed physician practicing as a psychiatrist, or licensed psychiatric nurse practitioner.

(5) "Group supervision" means face-to-face supervision with an approved supervisor, involving one supervisor and no more than six licensure candidates.

(6) "Immediate supervision" means a meeting with an approved supervisor, involving one supervisor and no more than two licensure candidates.

(7) "Licensure candidate" means an individual that is accruing supervised clinical experience required for licensure.

(8) "Supervision of supervision" means supervision by an approved supervisor for the purpose of training and qualifying a licensee to act as an approved supervisor for purposes of chapter 18.225 RCW and WAC 246-809-234.

(9) "Peer" means a co-worker who is not the licensure candidate's employer or supervisor.

AMENDATORY SECTION (Amending WSR 01-17-113, filed 8/22/01, effective 9/22/01)

WAC 246-809-220 Education requirements. (1) To meet the education requirement (~~((imposed by section 9 (1)(b)(i), chapter 251, Laws of 2001))~~) for licensure as a mental health counselor or mental health counselor associate, an applicant must (~~(possess)~~) have a master's or doctoral degree in mental health counseling or a behavioral science master's or doctoral degree in a field relating to mental health counseling from an approved school. Fields recognized as relating to mental health counseling (~~(may)~~) include counseling, psychology, social work, nursing, education, pastoral counseling, rehabilitation counseling, or social sciences. Any field of study qualifying as related to mental health counseling must satisfy course work equivalency requirements included in WAC 246-809-221. An official transcript must be provided as evidence of fulfillment of the course work required.

(2) Any supplemental course work required must be from an approved school.

(3) Applicants who held a behavioral science master's or doctoral degree and are completing supplemental course work through an approved school to satisfy any missing program equivalencies may count any postgraduate experience hours acquired concurrently with the additional course work.

(4) A person who is a Nationally Certified Counselor (NCC) or a Certified Clinical Mental Health Counselor (CCMHC) through the National Board of Certified Counselors (NBCC) is considered to have met the education requirements of this chapter. Verification must be sent directly to the department from NBCC.

AMENDATORY SECTION (Amending WSR 06-18-043, filed 8/30/06, effective 9/30/06)

WAC 246-809-230 Supervised postgraduate experience. (1) The experience requirements for the mental health applicant's practice area include successful completion of a supervised experience requirement. The experience requirement consists of a minimum of thirty-six months full-time counseling or three thousand hours of postgraduate mental health counseling under the supervision of a qualified licensed mental health counselor or equally qualified licensed mental health practitioner in an approved setting. The three thousand hours of required experience includes a minimum of one hundred hours spent in immediate supervision with the qualified licensed mental health counselor or equally qualified licensed mental health practitioner, and includes a minimum of one thousand two hundred hours of direct counseling with individuals, couples, families, or groups.

(2) Applicants who have completed a master's or doctoral program accredited by the Council for Accreditation of Counseling and Related Educational Programs (CACREP) will be credited with fifty hours of postgraduate supervision and five hundred hours of postgraduate experience.

(3) Applicants for licensed mental health counselor associate are not required to have supervised postgraduate experience prior to becoming an associate.

(4) Licensed mental health counselor associate applicants must declare they are working toward full licensure.

AMENDATORY SECTION (Amending WSR 06-18-043, filed 8/30/06, effective 9/30/06)

WAC 246-809-234 Approved supervisor. (1) The approved supervisor (~~(shall)~~) must hold a license without restrictions that has been in good standing for at least two years.

(2) The approved supervisor (~~(shall)~~) must not be a blood or legal relative or cohabitant of the licensure candidate, licensure candidate's peer, or someone who has acted as the licensure candidate's therapist within the past two years.

(3) The approved supervisor, prior to the commencement of any supervision, (~~(shall)~~) must provide the licensure candidate a declaration, on a form provided by the department, that the supervisor has met the requirements of WAC 246-809-234 and (~~(qualifies)~~) qualify as an approved supervisor.

(4) The approved supervisor (~~(shall)~~) must have completed the following:

(a) A minimum of fifteen clock hours of training in clinical supervision obtained through:

- (i) A supervision course; or
- (ii) Continuing education credits on supervision; or
- (iii) Supervision of supervision; and

(b) Twenty-five hours of experience in supervision of clinical practice.

(5) The approved supervisor shall have full knowledge of the licensure candidate's practice activities including:

- (a) Recordkeeping;
- (b) Financial management;
- (c) Ethics of clinical practice; and

(d) The licensure candidate's backup plan for coverage in times when the licensure candidate is not available to their clients.

(6) Applicants whose supervised postgraduate experience began (~~(prior to the effective date of these rules)~~) before September 30, 2006, are exempt from the requirements of subsection (4) of this section.

AMENDATORY SECTION (Amending WSR 08-08-092, filed 4/1/08, effective 5/2/08)

WAC 246-809-240 Examination for licensed mental health counselors. (1) Applicants for licensure as a mental health counselor must pass an examination administered by the National Board of Certified Counselors (NBCC). Applicants who pass the National Certification Examination (NCE) or the National Clinical Mental Health Counselor Examination (NCMHCE), as administered by the NBCC, meet the examination requirements to be licensed as mental health counselors. Each applicant must cause the NBCC to send verification of the applicant's examination passage directly to the department of health before licensure can be granted.

(2) The department of health shall accept the passing score established by the NBCC for licensed mental health counselor examinations.

**LICENSED SOCIAL WORKERS
AND LICENSED SOCIAL WORKER ASSOCIATES**

NEW SECTION

WAC 246-809-300 One year exemption option. Persons who submit an application for licensure as an advanced social worker or independent clinical social worker by July 1, 2010, and who have held a registered counselor credential issued under chapter 18.19 RCW in good standing for five consecutive years since obtaining their master's degree in an approved field, are deemed to have met the supervised postgraduate experience requirements of WAC 246-809-320. Applicants must meet the education requirements in WAC 246-809-320 and the examination requirements of WAC 246-809-340.

AMENDATORY SECTION (Amending WSR 06-18-043, filed 8/30/06, effective 9/30/06)

WAC 246-809-310 Definitions. The following definitions apply to the licensure of independent clinical and advanced social workers and independent clinical and advanced social work associates.

(1) "Approved educational program" means a master's or doctoral educational program in social work accredited by the Council on Social Work Education.

(2) "Approved supervisor" means a licensed independent clinical social worker (LICSW), licensed advanced social worker (LASW) (for LASWs only), or an equally qualified licensed mental health practitioner.

(3) "Equally qualified licensed mental health practitioner" means a licensed mental health counselor, licensed marriage and family therapist, licensed psychologist, licensed physician practicing as a psychiatrist, or licensed psychiatric nurse practitioner.

(4) "Group supervision" means face-to-face supervision with an approved supervisor, involving one supervisor and no more than six licensure candidates.

(5) "Licensure candidate" means an individual that is accruing supervised clinical experience required for licensure.

(6) "Nationally recognized standards" means the *Educational Policy and Accreditation Standards*, revised October 2004 published by the Council on Social Work Education revised October 2004 or any future revisions.

(7) "One-on-one supervision" means face-to-face supervision with an approved supervisor, involving one supervisor and one licensure candidate.

(8) "Supervision of supervision" means supervision by an approved supervisor for the purpose of training and qualifying a licensee to become an approved supervisor for purposes of chapter 18.225 RCW and WAC 246-809-334.

(9) "Peer" means a co-worker who is not the licensure candidate's employer or supervisor.

AMENDATORY SECTION (Amending WSR 06-18-043, filed 8/30/06, effective 9/30/06)

WAC 246-809-320 Education requirements and supervised postgraduate experience. (1) The following are

the education requirements for the social worker applicant's practice area:

(a) Licensed advanced social worker or licensed social worker associate-advanced. Graduation from a master's or doctoral social work educational program accredited by the Council on Social Work Education and approved by the secretary based upon nationally recognized standards.

(b) Licensed independent clinical social worker or licensed social worker associate-independent clinical. Graduation from a master's or doctorate level social work educational program accredited by the Council on Social Work Education and approved by the secretary based upon nationally recognized standards.

(2) The following are the supervised postgraduate experience requirements for the social worker applicant's practice area:

(a) Licensed advanced social worker. Successful completion of a supervised experience requirement. The experience requirement consists of a minimum of three thousand two hundred hours with ninety hours of supervision by a licensed independent clinical social worker or a licensed advanced social worker who has been licensed or certified for at least two years. Of those hours, fifty hours must include direct supervision by a licensed advanced social worker or licensed independent clinical social worker; the other forty hours may be with an equally qualified licensed mental health practitioner. Forty hours must be in one-to-one supervision and fifty hours may be in one-to-one supervision or group supervision. Distance supervision is limited to forty supervision hours. Eight hundred hours must be in direct client contact.

(b) Licensed independent clinical social worker. Successful completion of a supervised experience requirement. The experience requirement consists of a minimum of four thousand hours of experience, of which one thousand hours must be direct client contact, over a three-year period supervised by a licensed independent clinical social worker, with supervision of at least one hundred thirty hours by a licensed mental health practitioner. Of the total supervision, seventy hours must be with an independent clinical social worker; the other sixty hours may be with an equally qualified licensed mental health practitioner. Sixty hours must be in one-to-one supervision and seventy hours may be in one-to-one supervision or group supervision. Distance supervision is limited to sixty supervision hours.

(3) Licensed social worker associate-advanced and licensed social worker associate-independent clinical applicants are not required to have supervised postgraduate experience prior to becoming an associate.

(4) Licensed social worker associate-advanced and licensed social worker associate-independent clinical applicants must declare they are working toward full licensure.

AMENDATORY SECTION (Amending WSR 06-18-043, filed 8/30/06, effective 9/30/06)

WAC 246-809-334 Approved supervisor standards and responsibilities. (1) The approved supervisor must hold a license without restrictions that has been in good standing for at least two years.

(2) The approved supervisor (~~(shall)~~ must) not be a blood or legal relative or cohabitant of the licensure candidate, licensure candidate's peer, or someone who has acted as the licensure candidate's therapist within the past two years.

(3) The approved supervisor, prior to the commencement of any supervision, (~~(shall)~~ must) provide the licensure candidate a declaration, on a form provided by the department, that the supervisor has met the requirements of WAC 246-809-334 and (~~(qualifies)~~ qualify) as an approved supervisor.

(4) The approved supervisor (~~(shall)~~ must) have completed the following:

(a) A minimum of fifteen clock hours of training in clinical supervision obtained through:

(i) A supervision course; or

(ii) Continuing education credits on supervision; or

(iii) Supervision of supervision; and

(b) Twenty-five hours of experience in supervision of clinical practice; and

(c) Has had two years of clinical experience postlicensure (~~(LASWs only) or five years of clinical experience postcertification or licensure (for LICSWs only))~~).

(5) The approved supervisor (~~(shall)~~ must) attest to having thorough knowledge of the licensure candidate's practice activities including:

(a) Specific practice setting;

(b) Recordkeeping;

(c) Financial management;

(d) Ethics of clinical practice; and

(e) The licensure candidate's backup plan for coverage in times when he/she is not available to their clients.

(6) Licensure candidates whose supervised postgraduate experience began (~~(prior to the effective date of these rules)~~ before September 30, 2006), are exempt from the requirements of subsection (4) of this section.

AMENDATORY SECTION (Amending WSR 02-11-108, filed 5/20/02, effective 6/20/02)

WAC 246-809-600 Who is required to have continuing education? (~~(+)~~) Licensed marriage and family therapists, licensed mental health counselors, and licensed social workers are required to have continuing education.

~~((2) The effective date for reporting the required continuing education shall begin with the 2004 renewal cycle.))~~

AMENDATORY SECTION (Amending WSR 04-06-011, filed 2/20/04, effective 3/22/04)

WAC 246-809-710 Required disclosure information.

(1) The following information shall be provided to each client or patient at the commencement of any program of treatment:

(a) Name of firm, agency, business, or licensee's practice;

(b) Licensee's business address and telephone number;

(c) Washington state license number;

(d) The licensee's name;

(e) The methods or treatment modality and therapeutic orientation the licensee uses;

(f) The licensee's education, and training;

(g) The course of treatment, when known;

- (h) Billing information, including:
- (i) Client's cost per each treatment session; and
- (ii) Billing practices, including any advance payments and refunds;
- (i) Clients are to be informed that they as individuals have the right to refuse treatment and the right to choose a practitioner and treatment modality which best suits their needs;
- (j) This subsection does not grant (clients) new rights and is not intended to supersede state or federal laws and regulations, or professional standards;
- (k) The licensee must provide department of health contact information to the client so the client may obtain a list of or copy of the acts of unprofessional conduct listed under RCW 18.130.180. Department of health contact information must include the name, address, and telephone number for the health professions complaint process.

(2) Associates must provide each client or patient, during the first professional contact, with a disclosure form disclosing that he or she is an associate under the supervision of an approved supervisor. Associates may not independently provide clinical social work, mental health counseling, or marriage and family therapy for a fee, monetary or otherwise.

(3) Signatures are required of both the licensee providing the disclosure information and the client following a statement that the client had been provided a copy of the required disclosure information and the client has read and understands the information provided. The date of signature by each party is to be included at the time of signing.

AMENDATORY SECTION (Amending WSR 08-16-008, filed 7/24/08, effective 7/25/08)

WAC 246-809-990 Licensed (~~mental health~~) counselor(~~s~~), (~~marriage and family therapists, and social workers~~) and associate—Fees and renewal cycle. (1) Licenses must be renewed every year on the practitioner's birthday as provided in chapter 246-12 WAC, Part 2. (~~The secretary may require payment of renewal fees less than those established in this section if the current level of fees is likely to result in a surplus of funds. Surplus funds are those in excess of the amount necessary to pay for the costs of administering the program and to maintain a reasonable reserve. Notice of any adjustment in the required payment will be provided to practitioners. The adjustment in the required payment shall remain in place for the duration of a renewal cycle to assure practitioners an equal benefit from the adjustment.~~)

(2) Associate licenses are valid for one year and must be renewed every year on the date of issuance. The associate license may be renewed no more than four times.

Title	Fee
((2)) The following nonrefundable fees will be charged	
(3) for licensed marriage and family therapist:	
Application	\$150.00
Initial license	75.00
Renewal	140.00
Late renewal penalty	70.00
Expired license reissuance	85.00

Title	Fee
Duplicate license	10.00
Certification of license	10.00
((3)) The following nonrefundable fees will be charged	
(4) for licensed mental health counselor:	
Application	125.00
Initial license	125.00
Renewal	75.00
Late renewal penalty	50.00
Expired license reissuance	65.00
Duplicate license	10.00
Certification of license	10.00
UW library access fee	25.00
((4)) The following nonrefundable fees will be charged	
(5) for licensed advanced social worker and licensed independent clinical social worker:	
Application	125.00
Initial license	125.00
Renewal	105.00
Late renewal penalty	52.50
Expired license reissuance	72.50
Duplicate license	10.00
Certification of license	10.00
UW library access fee	25.00
(6) <u>The following nonrefundable fees will be charged for licensed marriage and family therapy associates:</u>	
<u>Application</u>	<u>50.00</u>
<u>Renewal</u>	<u>40.00</u>
<u>Late renewal penalty</u>	<u>40.00</u>
<u>Expired license reissuance</u>	<u>40.00</u>
<u>Duplicate license</u>	<u>15.00</u>
<u>Certification of license</u>	<u>15.00</u>
(7) <u>The following nonrefundable fees will be charged for licensed mental health counselor associates:</u>	
<u>Application</u>	<u>50.00</u>
<u>Renewal</u>	<u>40.00</u>
<u>Late renewal penalty</u>	<u>40.00</u>
<u>Expired license reissuance</u>	<u>40.00</u>
<u>Duplicate license</u>	<u>15.00</u>
<u>Certification of license</u>	<u>15.00</u>
(8) <u>The following nonrefundable fees will be charged for licensed advanced social worker associates and licensed independent clinical social worker associates:</u>	
<u>Application</u>	<u>50.00</u>
<u>Renewal</u>	<u>40.00</u>
<u>Late renewal penalty</u>	<u>40.00</u>

Title	Fee
<u>Expired license reissuance</u>	<u>40.00</u>
<u>Duplicate license</u>	<u>15.00</u>
<u>Certification of license</u>	<u>15.00</u>

REPEALER

The following sections of the Washington Administrative Code are repealed:

WAC 246-809-061	Health care institutions.
WAC 246-809-062	Licensed counselor associations or societies.
WAC 246-809-063	Health care service contractors and disability insurance carriers.
WAC 246-809-064	Professional liability carriers.
WAC 246-809-065	Courts.
WAC 246-809-066	State and federal agencies.

WSR 09-15-041
PERMANENT RULES
DEPARTMENT OF HEALTH

[Filed July 8, 2009, 2:23 p.m., effective July 8, 2009, 2:23 p.m.]

Effective Date of Rule: Immediately.

Other Findings Required by Other Provisions of Law as Precondition to Adoption or Effectiveness of Rule: This effective date is necessary to implement 2008 legislation that amended chapter 18.19 RCW effective July 1, 2009. Additionally, immediate adoption is necessary for the public's health, safety, and access related to mental health care.

Purpose: Chapter 246-810 WAC, amending rules to implement 2008 legislation 2SHB 2674 which abolishes the registered counselor credential and creates the certified counselor, certified advisor, and agency affiliated counselor credentials.

2SHB 2674 (chapter 135, Laws of 2008) creates eight new counseling professions, effective July 1, 2009, and will abolish the registered counselor (RC) credential one year later, on July 1, 2010. Sections 2-10 of the bill added three new counseling credentials:

- Agency affiliated counselor (AAC),
- Certified counselor (CC) and
- Certified adviser (CA).

The AAC registration is a credential for counselors who are employees of the state of Washington or agencies licensed or certified by the state. The CC and CA certifications provide a credential for counselors who are in private practice. The amended statute requires the department of health (department) to develop rules for the eight new counseling professions.

Rules for the other five professions are addressed in separate rule packages.

These proposed rules for the AAC, CC, and CA professions:

- Establish the employment, education, and examination requirements to obtain each credential.
- Identify the requirements for client disclosure and assessment for the CC and CA professions.
- Clarify the minimum qualifications for individuals who are supervisors or consultants to a CC or CA.
- Establish a process of agency recognition, in order to employ AAC.
- Set continuing education requirements for a CC or CA.
- Establish fees for each of the new credentials.
- Abolish the RC credential.

Citation of Existing Rules Affected by this Order: Amending 9 [WAC 246-810-010, 246-810-031, 246-810-035, 246-810-040, 246-810-045, 246-810-049, 246-810-060, 246-810-080, and 246-810-990].

Statutory Authority for Adoption: RCW 18.19.050.

Other Authority: Chapter 18.19 RCW.

Adopted under notice filed as WSR 09-11-112 on May 19, 2009.

Changes Other than Editing from Proposed to Adopted Version: WAC 246-810-010, both the AAC and agency definitions were expanded by adding "a specific counseling service or services." Also the definition of a recognized agency or facility was added and the subsequent sections were renumbered.

WAC 246-810-015, the scope of practice was added as section one and section two became the credentialing requirements.

WAC 246-810-016, in response to concerns from stakeholders, community mental health services licensed under chapters 71.05 and 71.24 RCW (DSHS) was added to the list of recognized agencies.

WAC 246-810-017, "to provide a specific counseling service or counseling services" was added to section one and section four. A new section three was also added that identifies the criteria the secretary may use to become recognized. The subsequent sections were renumbered.

WAC 246-810-025, housekeeping changes were made to subsection (1)(a) to bullet the listed items instead of having a running list separated by commas.

WAC 246-810-026, osteopathic physician assistants and physician assistants were included in error in the draft language. These professions are removed in the final adopted language.

WAC 246-810-0293, one of the associations, "Clinical Social Work Federation," was corrected to "Clinical Social Work Association."

WAC 246-810-031, the draft language specified that all counselors (RCs, CCs, CAs, and hypnotherapists, and AACs) must provide a disclosure statement to every patient prior to starting services. The final language was corrected to require that only CCs and CAs must meet this requirement.

WAC 246-810-990, there were housekeeping changes in the CA category. In addition, the expired credential reissuance and the late renewal penalty fee for CAs was incorrectly listed \$65.00. The adopted language is corrected to list the fee as \$50.00.

A final cost-benefit analysis is available by contacting Leann Yount, P.O. Box 47852, Olympia, WA 98504-7852, phone (360) 236-4856, fax (360) 236-2901, e-mail leann.yount@doh.wa.gov.

Number of Sections Adopted in Order to Comply with Federal Statute: New 0, Amended 0, Repealed 0; Federal Rules or Standards: New 0, Amended 0, Repealed 0; or Recently Enacted State Statutes: New 21, Amended 8, Repealed 0.

Number of Sections Adopted at Request of a Nongovernmental Entity: New 0, Amended 0, Repealed 0.

Number of Sections Adopted on the Agency's Own Initiative: New 0, Amended 0, Repealed 0.

Number of Sections Adopted in Order to Clarify, Streamline, or Reform Agency Procedures: New 0, Amended 0, Repealed 0.

Number of Sections Adopted Using Negotiated Rule Making: New 0, Amended 0, Repealed 0; Pilot Rule Making: New 0, Amended 0, Repealed 0; or Other Alternative Rule Making: New 21, Amended 8, Repealed 0.

Date Adopted: July 8, 2009.

Mary C. Selecky
Secretary

AMENDATORY SECTION (Amending WSR 06-08-106, filed 4/5/06, effective 5/6/06)

WAC 246-810-010 Definitions. ~~((The following terms are defined within the meaning of this chapter.))~~ The definitions in this section apply throughout this chapter unless the content clearly requires otherwise.

~~(1) ("Counselor" means and includes any registered counselor or registered hypnotherapist regulated under chapter 18.19 RCW.~~

~~(2)) "Agency" means an agency or facility operated, licensed, or certified by the state of Washington to provide a specific counseling service or services.~~

(2) "Agency affiliated counselor" means a person registered under chapter 18.19 RCW, and this chapter, who is engaged in counseling and employed by an agency listed in WAC 246-810-016 or an agency recognized under WAC 246-810-017 to provide a specific counseling service or services.

(3) "Certified adviser" means a person certified under chapter 18.19 RCW, and this chapter, who is engaged in private practice counseling to the extent authorized in WAC 246-810-021.

(4) "Certified counselor" means a person certified under chapter 18.19 RCW, and this chapter, who is engaged in private practice counseling to the extent authorized in WAC 246-810-021.

(5) "Client" means an individual who receives or participates in counseling or group counseling.

(6) "Consultation" means the professional assistance and practice guidance that a certified counselor receives from a counseling-related professional credentialed under chapter 18.130 RCW. This may include:

(a) Helping the certified counselor focus on counseling practice objectives;

(b) Refining counseling modalities;

(c) Providing support to progress in difficult or sensitive cases;

(d) Expanding the available decision-making resources; and

(e) Assisting in discovering alternative approaches.

(7) "Counseling" means employing any therapeutic techniques including, but not limited to, social work, mental health counseling, marriage and family therapy, and hypnotherapy, for a fee that offer, assist, or attempt to assist, an individual or individuals in the amelioration or adjustment of mental, emotional, or behavioral problems, and includes therapeutic techniques to achieve sensitivity and awareness of self and others and the development of human potential. For the purpose of this chapter, nothing may be construed to imply that the practice of hypnotherapy is necessarily limited to counseling.

(8) "Counselor" means an individual who engages in the practice of counseling to the public for a fee, including for the purposes of this chapter, agency affiliated counselors, certified counselors, certified advisers, hypnotherapists, and until July 1, 2010, registered counselors.

(9) "Department" means the Washington state department of health.

~~((3))~~ (10) "Fee" as referred to in RCW 18.19.030 means compensation received by the counselor for counseling services provided, regardless of the source.

~~((4)) "Hospital" means any health care institution licensed under chapter 70.41 RCW.~~

~~(5) "Nursing home" means any health care institution licensed under chapter 18.51 RCW.~~

~~(6) "Unprofessional conduct" as used in this chapter means the conduct described in RCW 18.130.180.)~~ (11) "Hypnotherapist" means a person registered under chapter 18.19 RCW, and this chapter, who is practicing hypnosis as a modality.

(12) "Licensed healthcare practitioner" means a licensed practitioner under the following chapters:

(a) Physician licensed under chapter 18.71 RCW.

(b) Osteopathic physician licensed under chapter 18.57 RCW.

(c) Psychiatric registered nurse practitioner licensed under chapter 18.79 RCW.

(d) Naturopathic physician licensed under chapter 18.36A RCW.

(e) Psychologist licensed under chapter 18.83 RCW.

(f) Independent clinical social worker, marriage and family therapist, or advanced social worker licensed under chapter 18.225 RCW.

(13) "Private practice counseling" means the practice of counseling by a certified counselor or certified adviser as specified in WAC 246-810-0201 or 246-810-021.

(14) "Psychotherapy" means the practice of counseling using diagnosis of mental disorders according to the fourth edition of the *Diagnostic and Statistical Manual of Mental Disorders*, and the development of treatment plans for counseling based on diagnosis of mental disorders in accordance with established practice standards.

(15) "Recognized" means acknowledged or formally accepted by the secretary.

(16) "Recognized agency or facility" means an agency or facility that has requested and been recognized under WAC 246-810-017 to employ agency affiliated counselors to perform a specific counseling service, or services for those purposes only.

(17) "Secretary" means the secretary of the department of health or the secretary's designee.

(18) "Supervision" means the oversight that a counseling-related professional credentialed under chapter 18.130 RCW provides.

(19) "Unprofessional conduct" means the conduct described in RCW 18.130.180.

NEW SECTION

WAC 246-810-011 Exempt activities and individuals.

This chapter does not prevent or restrict:

(1) The practice of a profession by a person who is either registered, certified, licensed, or similarly regulated under the laws of this state and who is performing services within the person's authorized scope of practice, including any attorney admitted to practice law in this state when providing counseling incidental to and in the course of providing legal counsel;

(2) The practice of counseling by an employee or trainee of any federal agency, or the practice of counseling by a student of a college or university, if the employee, trainee, or student is practicing solely under the supervision of and accountable to the agency, college, or university, through which he or she performs such functions as part of his or her position for no additional fee other than ordinary compensation;

(3) The practice of counseling by a person for no compensation;

(4) The practice of counseling by persons offering services for public and private nonprofit organizations or charities not primarily engaged in counseling for a fee when approved by the organizations or agencies for whom they render their services;

(5) Evaluation, consultation, planning, policymaking, research, or related services conducted by social scientists for private corporations or public agencies;

(6) The practice of counseling by a person under the auspices of a religious denomination, church, or organization, or the practice of religion itself;

(7) The practice of counseling by peer counselors who use their own experience to encourage and support people with similar conditions or activities related to the training of peer counselors; and

(8) Counselors who reside outside Washington state from providing up to ten days per quarter of training or workshops in the state, as long as they do not hold themselves out to be registered or certified in Washington state.

NEW SECTION

WAC 246-810-012 Application process. (1) Applicants for agency affiliated counselor, certified counselor, certified adviser, or hypnotherapist must apply on forms established by the secretary.

(2) The application for agency affiliated counselor, certified counselor, or certified adviser, must include a descrip-

tion of the applicant's orientation, discipline, theory, or technique.

(3) The secretary may require additional documentation to determine whether an applicant meets the qualifications for the credential and if there are any grounds for denial of the credential.

(4) Each applicant must pay the applicable fee as identified in WAC 246-810-990.

NEW SECTION

WAC 246-810-013 State agency employee credentialing requirements. (1) Until July 1, 2010, an employee of a state agency who is practicing counseling, as part of his or her position, must be credentialed as a registered counselor or an agency affiliated counselor unless they are exempt under WAC 246-810-011.

(2) On and after July 1, 2010, an employee of a state agency, practice counseling, as part of his or her position, must be credentialed as an agency affiliated counselor unless they are exempt under WAC 246-810-011.

(3) A person may not, for a fee or as a part of his or her position as an employee of a state agency, practice hypnotherapy without being registered to practice as a hypnotherapist unless they are exempt under WAC 246-810-011.

AGENCY AFFILIATED COUNSELORS

NEW SECTION

WAC 246-810-015 Agency affiliated counselor: Scope of practice and credentialing requirements. (1) An agency affiliated counselor may only provide counseling services as part of his or her employment as an agency affiliated counselor for a recognized agency.

(2) An applicant for an agency affiliated counselor must be employed by, or have an offer of employment from, an agency or facility identified in WAC 246-810-016.

NEW SECTION

WAC 246-810-016 Agencies or facilities that can employ agency affiliated counselors. Agencies or facilities that may employ an agency affiliated counselor are:

(1) Washington state departments and agencies listed in the Agency, Commission & Organization Directory available on the state of Washington web site.

(2) Community and technical colleges governed by the Washington state board for community and technical colleges.

(3) Colleges and universities governed by the Washington state higher education coordinating board.

(4) Hospitals licensed under chapter 70.41 RCW.

(5) Home health care agencies, home care agencies, and hospice care agencies licensed under chapter 70.127 RCW.

(6) Agencies and facilities licensed or certified under chapters 71.05 or 71.24 RCW.

(7) Psychiatric hospitals, residential treatment facilities, hospitals, and alcohol and chemical dependency entities licensed under chapter 71.12 RCW.

(8) Other agencies or facilities recognized by the secretary as provided in WAC 246-810-017.

NEW SECTION

WAC 246-810-017 Process to become a recognized agency or facility. (1) To become a recognized agency or facility, an agency or facility must demonstrate to the satisfaction of the secretary that it is operated, licensed, or certified by the state of Washington to provide specific counseling services.

(2) When reviewing requests for recognition, the secretary may:

- (a) Require forms and documentation;
- (b) Consult with other state agencies and entities.

(3) In determining whether or not to recognize the agency or facility, the secretary may consider multiple criteria, including, but not limited to:

- (a) Counseling quality assurance standards and requirements that are applicable to the agency or facility;
- (b) Protections for ensuring patient safety in the delivery of supervised counseling services by counselors employed by the agency or facility; and
- (c) Mechanisms for receiving and reporting complaints regarding counselors, investigating counselor conduct and practices, and taking corrective and disciplinary actions against counselors.

(4) The department will maintain a list of recognized agencies and facilities that may employ agency affiliated counselors to perform a specific counseling service or services under this section.

(5) Recognized agencies or facilities that cease to be operated, licensed, or certified by the state of Washington will no longer be recognized and will be removed from the list of recognized agencies.

NEW SECTION

WAC 246-810-018 An agency affiliated counselor must report an employment change. Agency affiliated counselors must notify the department within thirty calendar days if they are no longer employed by the agency identified on their application, are now employed with another agency, or both. Agency affiliated counselors may not practice counseling unless they are employed by an agency.

CERTIFIED COUNSELORS, CERTIFIED ADVISERS, AND HYPNOTHERAPISTS

NEW SECTION

WAC 246-810-0201 Practice scope and limits for certified counselors. The scope of practice of certified counselors consists exclusively of the following:

(1) Appropriate screening of the client's level of functional impairment using the global assessment of functioning as described in the fourth edition of the *Diagnostic and Statistical Manual of Mental Disorders*. Recognition of a mental or physical disorder or a global assessment of functioning score of sixty or less requires that the certified counselor refer

the client for diagnosis and treatment to a licensed healthcare practitioner.

(2) If the client has a global assessment of functioning score greater than sixty, a certified counselor may counsel and guide the client in adjusting to life situations, developing new skills, and making desired changes, in accordance with the theories and techniques of a specific counseling method and established practice standards.

(3) If the client has a global assessment of functioning score of sixty or less, a certified counselor may counsel and guide the client in adjusting to life situations, developing new skills, and making desired changes, in accordance with the theories and techniques of a specific counseling method and established practice standards if:

(a) The client has been referred to the certified counselor by a licensed healthcare practitioner and care is provided as part of a plan of treatment developed by the referring practitioner who is actively treating the client. The certified counselor must adhere to any conditions related to the certified counselor's role as specified in the plan of care; or

(b) The certified counselor referred the client for diagnosis and treatment from a licensed healthcare practitioner and the client refused, in writing, to seek diagnosis and treatment from the other provider. The certified counselor may provide services to the client consistent with a treatment plan developed by the certified counselor and the consultant or supervisor with whom the certified counselor has a written consultation or supervisory agreement.

(4) A certified counselor must not be the sole treatment provider for a client with a global assessment of functioning score of less than fifty.

NEW SECTION

WAC 246-810-021 Practice scope and limits for certified advisers. The scope of practice of certified advisers consists exclusively of the following:

(1) Appropriate screening of the client's level of functional impairment using the global assessment of functioning as described in the fourth edition of the *Diagnostic and Statistical Manual of Mental Disorders*. Recognition of a mental or physical disorder or a global assessment of functioning score of sixty or less requires that the certified adviser refer the client to a licensed healthcare practitioner.

(2) If the client has a global assessment of functioning score greater than sixty, a certified adviser may counsel and guide the client in adjusting to life situations, developing new skills, and making desired changes, in accordance with the theories and techniques of a specific counseling method and established practice standards.

NEW SECTION

WAC 246-810-0221 Qualifications to become a certified counselor. (1) Until July 1, 2010, an applicant for certified counselor who has been a registered counselor for a minimum of five years must:

(a) Hold a valid, active registration that is in good standing or be in compliance with any disciplinary process and orders;

(b) Show evidence of having completed at least six clock hours of course work that included risk assessment, ethics, appropriate screening using the global assessment of functioning scale, client referral, and Washington state law;

(c) Pass an examination in risk assessment, ethics, appropriate screening using the global assessment of functioning scale, client referral, and Washington state law; and

(d) Have a written consultation agreement which meets the requirements in WAC 246-810-025 with a credential holder who meets the qualifications to be a consultant in WAC 246-810-026.

(2) Unless eligible for certification under subsection (1)(a) of this section, applicants for a certified counselor must:

(a) Have a bachelor's degree in a counseling-related field, as defined in WAC 246-810-024;

(b) Pass an examination in risk assessment, ethics, and appropriate screening using the global assessment of functioning scale, client referral, and Washington state law; and

(c) Have a written supervisory agreement which meets the requirements in WAC 246-810-025 with a credential holder who meets the qualifications to be a supervisor in WAC 246-810-026.

NEW SECTION

WAC 246-810-023 Qualifications to become a certified adviser. Applicants for certified adviser must:

(1) Have an associate degree which included a supervised internship in a counseling-related field as defined in WAC 246-810-024;

(2) Pass an examination in risk assessment, ethics, and appropriate screening using the global assessment of functioning scale, client referral, and Washington state law; and

(3) Have a written supervisory agreement which meets the requirements in WAC 246-810-025 with a credential holder who meets the qualifications to be a supervisor in WAC 246-810-026.

NEW SECTION

WAC 246-810-024 Counseling-related degrees that meet the requirements for certified counselor and certified adviser. (1) A counseling-related bachelor's degree must be from a recognized educational program or institution. The degree must have required the equivalent of at least four years of full-time study and at least one third of the courses must have included one or more of subjects listed in subsection (4) of this section.

(2) A counseling-related associate degree must be from a recognized educational program or institution. The degree must have the equivalent of at least two years of full-time study and a supervised internship. At least one fourth of the required courses must have included one or more of the subjects listed in subsection (4) of this section.

(3) An advanced or graduate degree from a recognized educational program or institution in any of the subject areas listed in subsection (4) of this section will meet the education requirements for certified counselor or certified adviser.

(4) Counseling-related subjects:

(a) Addiction counseling;

- (b) Adolescent and child counseling;
 - (c) Anger management counseling;
 - (d) Applied behavioral science;
 - (e) Behavior management or behavior modification;
 - (f) Biofeedback;
 - (g) Child development;
 - (h) Clinical social work;
 - (i) Community mental health;
 - (j) Counseling persons with developmental or intellectual disabilities;
 - (k) Counseling ethics;
 - (l) Developmental psychology;
 - (m) Domestic violence counseling;
 - (n) Elder counseling;
 - (o) Grief counseling;
 - (p) Human development;
 - (q) Human services counseling;
 - (r) Learning disabilities counseling;
 - (s) Marriage and family counseling;
 - (t) Mental health counseling;
 - (u) Ministerial or pastoral counseling;
 - (v) Multicultural counseling;
 - (w) Organizational psychology;
 - (x) Personality theory;
 - (y) Physiological psychology;
 - (z) Psychiatry and psychiatric nursing;
 - (aa) Psychological measurement and research;
 - (bb) Psychology;
 - (cc) Psychopathology and abnormal psychology;
 - (dd) Sexual disorder counseling;
 - (ee) Social work;
 - (ff) Special education;
 - (gg) Stress disorder counseling;
 - (hh) Substance and chemical abuse counseling; and
 - (ii) Transpersonal psychology.
- (5) The secretary may accept other equivalent counseling-related education or training programs in the subjects listed in subsection (4) of this section.

NEW SECTION

WAC 246-810-025 Supervision and consultation requirements for certified counselors and supervision requirements for certified advisers. (1) Supervision. Certified counselors who do not meet the requirements in WAC 246-810-0221(1) and certified advisers must meet the following supervision requirements:

(a) Written agreement. A written agreement between a qualified supervisor and the certified counselor or certified adviser is required and must be reviewed and renewed at least every two years. The agreement must address:

- (i) The agreement duration;
 - (ii) Expectations of both parties;
 - (iii) Frequency and modalities of supervision;
 - (iv) Recordkeeping;
 - (v) Financial arrangements;
 - (vi) Client confidentiality; and
 - (vii) Potential conflict of interest.
- (b) Frequency of supervision.

(i) During the first five years of practice, a minimum of two hours of supervision is required in any calendar month in which the certified counselor or certified adviser has had forty or more client contact hours.

(ii) After five years of practice, a minimum of one hour of supervision is required in any calendar month in which the certified counselor or certified adviser has forty or more client contact hours.

(iii) A minimum of two hours of supervision is required in any calendar quarter, regardless of the years in practice or number of client contact hours.

(iv) Up to half of the required supervision time may be supervision of practice in a group setting.

(c) Recordkeeping. A written record of supervision hours and topics must be maintained by both the supervisor and the certified counselor or certified adviser.

(2) Consultation. Certified counselors who meet the requirements of WAC 246-810-0221(1), must meet the following consultation requirements:

(a) Written agreement. A written agreement between a consultant who meets the requirements in WAC 246-810-026 and the certified counselor is required, and must be reviewed and renewed at least every two years. The agreement must address:

- (i) The agreement duration;
- (ii) Expectations of both parties;
- (iii) Frequency and modalities of consultation;
- (iv) Recordkeeping;
- (v) Financial arrangements;
- (vi) Client confidentiality; and
- (vii) Potential conflict of interest.

(b) Frequency. The certified counselor will determine the consultation he or she needs. However, a minimum of one hour of consultation is required during any calendar quarter in which the certified counselor has forty or more client contact hours.

(c) Recordkeeping. A written record of consultation hours and topics must be maintained by the consultant and the certified counselor.

NEW SECTION

WAC 246-810-026 Qualifications to be a certified counselor supervisor, certified adviser supervisor, or a certified counselor consultant. The following qualifications are required to be a certified counselor supervisor, certified adviser supervisor, or a certified counselor consultant.

(1) The supervisor or consultant must have held a Washington state credential in counseling-related fields for a minimum of five years. All credentials held by the supervisor or consultant must be in good standing. At least one credential must be active.

(2) For purposes of this section, counseling-related fields means a credential issued under chapter 18.130 RCW for:

- (a) Certified counselor;
- (b) Hypnotherapist;
- (c) Mental health counselor;
- (d) Marriage and family therapist;
- (e) Independent clinical social work;
- (f) Advanced social work;

(g) Psychologist;

(h) Chemical dependency professional;

(i) Sex offender treatment provider;

(j) Sex offender treatment provider affiliate;

(k) Medical physician;

(l) Osteopathic physician;

(m) Advanced registered nurse practitioner;

(n) Naturopathic physician; and

(o) Until July 1, 2010, registered counselor.

Additional credentials may be accepted by the secretary as counseling-related.

(3) The supervisor or consultant may not be a blood or legal relative or cohabitant of the credential holder, or someone who has acted as the credential holder's counselor within the past two years. A supervisor or consultant may not have a reciprocal supervisory or consultant arrangement with another credential holder.

(4) Prior to the commencement of any supervision or consultation, the supervisor or consultant must provide the certified counselor or certified adviser with a declaration on a form provided by the department.

(5) The supervisor must have completed education and training in:

(a) Supervision or management of individuals who provide counseling or mental health services;

(b) Risk assessment;

(c) Screening using the global assessment of functioning scale;

(d) Professional ethics; and

(e) Washington state law.

(6) The consultant must have completed education and training in:

(a) Risk assessment;

(b) Screening using the global assessment of functioning scale;

(c) Professional ethics; and

(d) Washington state law.

NEW SECTION

WAC 246-810-027 Continuing education for a certified counselor or certified adviser. (1) Certified counselors or certified advisers must complete thirty-six credit hours of continuing education every two years as required by chapter 246-12 WAC, Part 7.

(2) At least six of the thirty-six credit hours must be in law and professional ethics related to counseling.

(3) For those first credentialed in 2009, the first date to report the required continuing education begins with a credential holder's renewal date in 2011.

NEW SECTION

WAC 246-810-029 Acceptable continuing education courses for certified counselor and certified adviser. (1) A continuing education program or course must be relevant to counseling and must contribute to the advancement, extension and enhancement of the professional competence of the credential holder. Relevant courses include those that are related to counseling theory and practice, modality(ies) of the counseling services the credential holder will provide, pro-

professional ethics, courses related to risk assessment, screening using the global assessment of functioning scale, referral of clients, and Washington state law applicable to counseling.

(2) Continuing education courses, seminars, workshops, training programs, and institutes must have a featured instructor, speaker(s), or panel approved by an industry-recognized institution of higher learning, or a local, state, national, or international organization.

(3) Distance learning programs approved by an industry-recognized local, state, national or international organization or educational organization may meet these requirements. The programs must require a test of comprehension upon completion. Distance learning programs are limited to twelve hours per reporting period.

(4) Other learning experiences, such as serving on a panel, board or council, community service, research, peer consultation, or publishing articles for professional publications are acceptable if the experience contributes to the advancement, extension, and enhancement of the professional competence of the certified counselor or certified adviser. The experience is limited to six hours per reporting period.

NEW SECTION

WAC 246-810-0293 Recognized institutions of higher learning, or local, state, national, or international organizations. The recognized institutions of higher learning, or local, state, national, or international organizations that qualify to provide continuing education for certified counselor and certified adviser include:

- (1) Washington Association for Marriage and Family Therapy;
- (2) Washington State Society for Clinical Social Work;
- (3) Washington Chapter of the National Association of Social Work;
- (4) American Mental Health Counselors Association;
- (5) American Association for Marriage and Family Therapy;
- (6) Clinical Social Work Association;
- (7) National Association of Social Workers;
- (8) Washington Mental Health Counselors Association;
- (9) National Board for Certified Counselors;
- (10) Association for Humanistic Psychology;
- (11) The Association for Integrative Psychology;
- (12) Society for Social Work Leadership in Health Care;
- (13) Institutions of higher learning that are accredited by a national or regional accrediting body recognized by the Commission on Recognition of Postsecondary Accreditation;
- (14) Washington Professional Counselor Association;
- (15) State Association and National Association for the Treatment of Sexual Abusers;
- (16) National Association of Alcohol and Drug Addiction Counselors; and
- (17) Other organizations recognized by the secretary and included on a list maintained by the department.

NEW SECTION

WAC 246-810-0295 Continuing education credit for preparing and presenting a lecture or course. A certified

counselor or certified adviser who prepares and presents lectures or education that contributes to the professional competence of other counselors or mental health providers may accumulate the same number of hours obtained for continuing education purposes by attendees. The hours for presenting a lecture or education on a specific topic may only be used for continuing education credit once during each reporting period.

NEW SECTION

WAC 246-810-0297 Continuing education documentation for certified counselor or certified adviser. (1) Acceptable continuing education documentation for certified counselor or certified adviser includes transcripts, signed letters from course instructors, certificate of completion, or other formal certification, as required in chapter 246-12 WAC, Part 7.

(2) The credential holder must provide documentation which demonstrates fulfillment of continuing education requirements if requested by the secretary.

AMENDATORY SECTION (Amending WSR 06-08-106, filed 4/5/06, effective 5/6/06)

WAC 246-810-031 ((Required disclosure information.)) Disclosure statement to be provided to clients by certified counselors and certified advisers. ~~((1) The counselor must provide the following information to each counseling client:~~

- ~~(a) Name of firm, agency, business, or counselor's practice;~~
- ~~(b) Counselor's business address and telephone number;~~
- ~~(c) Washington state registration number;~~
- ~~(d) The counselor's name and type of counseling they provide;~~
- ~~(e) The methods or techniques the counselor uses;~~
- ~~(f) The counselor's education, training, and experience;~~
- ~~(g) The course of treatment where known;~~
- ~~(h) Billing information, including:~~
 - ~~(i) Client's cost per each counseling session;~~
 - ~~(ii) Billing practices, including any advance payments and refunds;~~

~~(2) Disclosure statement. The counselor must provide a disclosure statement to each client. The following language must appear on every client's disclosure statement:~~

~~"Counselors practicing counseling for a fee must be registered with the department of health for the protection of the public health and safety. Registration of an individual with the department does not include a recognition of any practice standards, nor necessarily implies the effectiveness of any treatment." In addition to the disclosure statement, the counselor must:~~

- ~~(a) Inform clients about the purpose of the Counselor Credentialing Act, chapter 18.19 RCW. The purpose of the law regulating counselors is: (i) To provide protection for public health and safety; and (ii) to empower the citizens of the state of Washington by providing a complaint process against those counselors who would commit acts of unprofessional conduct.~~

(b) Inform clients they have the right to choose counselors who best suit their needs and purposes. (This subsection does not provide new rights or supersede existing law.)

(c) Inform clients of the limits of confidentiality under RCW 18.19.180.

(d) Provide clients with a list of or copy of the acts of unprofessional conduct in RCW 18.130.180 and the name, address, and contact telephone within the department of health.

(3) Upon providing the required disclosure information to the client, the counselor and client must sign and date a statement that:

(a) The counselor has provided the client with a copy of the required disclosure information; and

(b) The client has read and understands the information. The date of signature by each party is to be included at the time of signing.

(4) The department of health publishes an informational brochure to educate and assist the public in understanding counselor responsibilities and client rights and responsibilities. The counselor may photocopy and provide the brochure to each client in conjunction with the disclosure information required in this section. The counselor may not rely solely on the brochure published by the department to meet the requirements of this section. (1) Certified counselors and certified advisers must provide a disclosure statement to each client prior to starting a program of treatment.

(2) The following must appear in the disclosure statement:

(a) The name of the certified counselor or certified adviser and the name of their firm, agency, or business, if any.

(b) The certified counselor's or certified adviser's business address and telephone number.

(c) The certified counselor's or certified adviser's Washington state credential number.

(d) The certified counselor's or certified adviser's education, training, and experience.

(e) The name and description of the types of counseling provided by the certified counselor or certified adviser, including the therapeutic orientation, methods, and techniques employed in their practice, and a list of resources relevant to the therapeutic orientation.

(f) The type and duration of counseling expected, if known at the time of providing the disclosure information.

(g) Fee information, including:

(i) The cost for each counseling session;

(ii) Billing practices, including any advance payments and refunds;

(iii) A statement that clients are not liable for any fees or charges for services rendered prior to receipt of the disclosure statement.

(h) The limits of confidentiality under RCW 18.19.180.

(i) Disclosure of the certified counselor's or certified adviser's supervisory or consultation agreement as defined in WAC 246-810-025.

(j) Disclosure that the certified counselor or certified adviser is not credentialed to diagnose mental disorders or to conduct psychotherapy as defined in WAC 246-810-010(14).

(k) All of the following:

(i) Counselors practicing counseling for a fee must be credentialed with the department of health for the protection of the public health and safety.

(ii) Credentialing of an individual with the department of health does not include a recognition of any practice standards, nor necessarily imply the effectiveness of any treatment.

(iii) The purpose of the Counselor Credentialing Act, chapter 18.19 RCW, is to:

(A) Provide protection for public health and safety; and

(B) Empower the citizens of the state of Washington by providing a complaint process against those counselors who would commit acts of unprofessional conduct.

(iv) Clients have the right to choose counselors who best suit their needs and purposes.

(1) A copy of the acts of unprofessional conduct in RCW 18.130.180 and the name, address, and contact telephone number within the department of health for complaints.

(m) Signature and date blocks for the client, and the certified counselor or certified adviser, including an attestation that the client agrees that the required disclosure statement has been provided and that the client has read and understands the information.

AMENDATORY SECTION (Amending WSR 97-17-113, filed 8/20/97, effective 9/20/97)

WAC 246-810-035 ((Recordkeeping and retention:))
Record requirements. (1) ((The)) A counselor providing professional services to a client or providing services billed to a third-party payor, ((shall)) must document services, except as provided in subsection (2) of this section. The documentation ((shall)) must include:

(a) Client name;

(b) The fee arrangement and record of payments;

(c) Dates counseling was received;

(d) Disclosure form, signed by counselor and client;

(e) The presenting problem(s), or purpose ((or diagnosis)) of counseling;

(f) Notation and results of formal consults, including information obtained from other persons or agencies through a release of information;

(g) Progress notes sufficient to support responsible clinical practice for the type of theoretical orientation/therapy the counselor uses.

(2) If a client requests that no treatment records be kept, and the counselor agrees to the request, the request must be in writing and only the following must be retained:

(a) Client name;

(b) Fee arrangement and record of payments;

(c) Dates counseling was received;

(d) Disclosure form, signed by counselor and client;

(e) Written request that no records be kept.

(3) The counselor ((must)) may not agree to the request if maintaining records is required by other state or federal law.

(4) All records must be kept for a period of five years following the last visit. Within this five-year period, all records must be ((maintained safely)) secured, with properly limited access.

Special provisions must be made for the retention or transfer of active or inactive records (~~(from clients last seen inside of five years;)~~) and for continuity of services in the event of a (~~(counselor going out of business;)~~) counselor's death ((or), incapacitation, or cessation of practice. Such special provisions may be made (~~(in a will or)~~) by having another counselor review records with a client and recommend a course of action; or other appropriate means as determined by the counselor.

(5) After the five-year retention period, the counselor may dispose of the record. Disposal must be done in a secure and confidential manner that includes:

- (a) Shredding;
- (b) Deleting, erasing, or reformatting electronic media; and
- (c) Other readable forms of media that are defaced or rendered unusable or unreadable.

AMENDATORY SECTION (Amending WSR 97-17-113, filed 8/20/97, effective 9/20/97)

WAC 246-810-040 ((Reporting of) Requirements to report suspected abuse or neglect of a child((,-dependent) or vulnerable adult((-or a developmentally disabled person)). ((As required by)) (1) Chapter 26.44 RCW((-)) requires that all counselors must report suspected abuse or neglect of a child, ((dependent adult, or developmentally disabled person)) when they have reasonable cause to believe that such an incident has occurred.

(2) Chapter 74.34 RCW requires that all counselors report when there is reasonable cause to believe that abandonment, abuse, financial exploitation, or neglect of a vulnerable adult has occurred.

(3) The report ((shall)) must be made to the local law enforcement agency or to the department of social and health services ((at the first opportunity, but no longer than forty-eight)) within twenty-four hours after there is reasonable cause to believe that the child or vulnerable adult has suffered abuse or neglect.

AMENDATORY SECTION (Amending WSR 97-17-113, filed 8/20/97, effective 9/20/97)

WAC 246-810-045 Requirements for client fees paid in advance. (1) ~~((Any))~~ The practice of collecting fees in advance((-as well as)) and refund policies((-)) must be ((disclosed)) included in ((accordance with WAC 246-810-031)) the disclosure statement to the client before any funds are collected.

(2) Counselors who collect fees in advance of the service provided must separate such funds from operating/expense funds. Failure to properly account for such funds may be a violation of the Securities Act, RCW 21.20.005. ~~((These fees may not be expended by))~~ The counselor may not spend the funds until ((such time as)) the service is provided. Any funds left in the account, for ((which)) services ((were)) not ((rendered;)) provided must be returned to the client within thirty days of the request ((by the client for return of the funds)).

(3) Room rental fees or similar expenses ~~((i.e.)),~~ for example, as ((relates)) relating to group therapy((-)), are not considered fees paid in advance.

AMENDATORY SECTION (Amending WSR 08-07-090, filed 3/19/08, effective 4/19/08)

WAC 246-810-049 Sexual misconduct regulations. (1) The definitions and prohibitions on sexual misconduct ~~((described))~~ in chapter 246-16 WAC apply to counselors except WAC 246-16-100 (3) and (4).

(2) A counselor shall never engage, or attempt to engage, in the activities listed in WAC 246-16-100(1) with a former patient, former client or former key party.

AMENDATORY SECTION (Amending WSR 98-05-060, filed 2/13/98, effective 3/16/98)

WAC 246-810-080 What are the requirements for AIDS prevention and information education ((requirements-))? Applicants must complete four clock hours of AIDS education as required in chapter 246-12 WAC, Part 8.

ADDITIONAL PROVISIONS APPLICABLE ONLY TO REGISTERED COUNSELORS

NEW SECTION

WAC 246-810-089 Transitional dates for a registered counselor credential. (1) The department of health will not issue any new registered counselor credentials after July 1, 2009.

(2) Individuals with a current or prior credential as a registered counselor may renew or reinstate their credential if all fees are paid and credentialing requirements are met. No registered counselor credentials will be renewed or reinstated after June 30, 2010.

(3) To continue to practice counseling, all registered counselors must hold a different counseling credential by July 1, 2010.

(4) All registered counselor credentials are abolished on July 1, 2010.

AMENDATORY SECTION (Amending WSR 08-16-008, filed 7/24/08, effective 7/25/08)

WAC 246-810-990 Counselors fees and renewal cycle. (1) Under chapter 246-12 WAC, Part 2, a counselor must renew his or her ~~((registration))~~ credential every year on the practitioner's birthday. ~~((The secretary may require payment of renewal fees less than those established in this section if the current level of fees is likely to result in a surplus of funds. Surplus funds are those in excess of the amount necessary to pay for the costs of administering the program and to maintain a reasonable reserve. Notice of any adjustment in the required payment will be provided to practitioners. The adjustment in the required payment shall remain in place for the duration of a renewal cycle to assure practitioners an equal benefit from the adjustment.))~~

(2) Any separate examination fees are the responsibility of the applicant.

Title	Fee
((2)) The following nonrefundable fees will be charged for	
(3) registered counselor <u>through 6/30/2010:</u>	

Title	Fee
(Application and registration	\$130.00)
Renewal	\$117.00
Late renewal penalty	58.50
Expired registration reissuance	65.00
Duplicate registration	15.00
Certification of registration	15.00
((3)) The following nonrefundable fees will be charged for	
(4) registered hypnoterapist:	
Application and registration	95.00
Renewal	130.00
Late renewal penalty	65.00
Expired registration reissuance	65.00
Duplicate registration	15.00
Certification of registration	15.00
(5) <u>The following nonrefundable fees will be charged for certified counselor:</u>	
<u>Application and certification</u>	<u>110.00</u>
<u>Examination or reexamination</u>	<u>85.00</u>
<u>Renewal</u>	<u>90.00</u>
<u>Late renewal penalty</u>	<u>50.00</u>
<u>Expired credential reissuance</u>	<u>50.00</u>
<u>Duplicate credential</u>	<u>15.00</u>
<u>Certification of credential</u>	<u>15.00</u>
(6) <u>The following nonrefundable fees will be charged for certified adviser:</u>	
<u>Application and certification</u>	<u>80.00</u>
<u>Examination or reexamination</u>	<u>85.00</u>
<u>Renewal</u>	<u>65.00</u>
<u>Late renewal penalty</u>	<u>50.00</u>
<u>Expired credential reissuance</u>	<u>50.00</u>
<u>Duplicate credential</u>	<u>15.00</u>
<u>Certification of credential</u>	<u>15.00</u>
(7) <u>The following nonrefundable fees will be charged for registered agency affiliated counselor:</u>	
<u>Application and registration</u>	<u>50.00</u>
<u>Renewal</u>	<u>40.00</u>
<u>Late renewal penalty</u>	<u>40.00</u>
<u>Expired registration reissuance</u>	<u>40.00</u>
<u>Duplicate registration</u>	<u>15.00</u>
<u>Certification of registration</u>	<u>15.00</u>

AMENDATORY SECTION (Amending WSR 97-17-113, filed 8/20/97, effective 9/20/97)

~~WAC 246-810-060 Mandatory reporting. ((1) All reports required by this chapter shall be submitted to the department as soon as possible, but no later than twenty days after a determination is made.~~

~~(2) Reports made in accordance with WAC 246-810-061, 246-810-062, 246-810-063, and 246-810-064 should contain the following information if known:~~

~~(a) The name, address, and telephone number of the person making the report.~~

~~(b) The name, address and telephone number of the counselors being reported.~~

~~(c) The case number of any client or patient whose treatment is a subject of the report.~~

~~(d) A brief description or summary of the facts which gave rise to the issuance of the report, including dates of occurrences.~~

~~(e) If court action is involved, the name of the court in which the action is filed along with the date of filing and docket number.~~

~~(f) Any further information which would aid in the evaluation of the report.~~

~~(3) Mandatory reports shall be exempt from public inspection and copying to the extent permitted under chapter 42-17 RCW.~~

~~(4) A person is immune from civil liability, whether direct or derivative, for providing information to the department pursuant to RCW 18.130.070.) All individuals credentialed under this chapter are subject to the mandatory reporting requirements of chapter 246-16 WAC.~~

WSR 09-15-054

PERMANENT RULES

DEPARTMENT OF

FISH AND WILDLIFE

[Order 09-108—Filed July 9, 2009, 4:22 p.m., effective August 9, 2009]

Effective Date of Rule: Thirty-one days after filing.

Purpose: Amend rules for commercial salmon fishing in Puget Sound, including WAC 220-47-302, 220-47-307, 220-47-311, 220-47-325, 220-47-401, 220-47-411, 220-47-427, 220-47-428, and 220-47-500.

Citation of Existing Rules Affected by this Order: Amending WAC 220-47-302, 220-47-307, 220-47-311, 220-47-325, 220-47-401, 220-47-411, 220-47-427, 220-47-428, and 220-47-500.

Statutory Authority for Adoption: RCW 77.12.047 and 77.04.020.

Adopted under notice filed as WSR 09-09-137 on April 22, 2009.

Changes Other than Editing from Proposed to Adopted Version: Last year, the Navy ran over two drift gill nets, resulting in enormous repair expenses to the naval vessels and ruining the fishermen's nets. So, in WAC 220-47-302 (3)(a), we specified that we were talking about drift gill nets, since skiff gill nets pose less a threat to other vessels and require different marking schemes. Also, in WAC 220-47-

302 (3)(a), we limited the color to red on polyform size A-3 buoys, for consistency purposes and at the industry's request. A single buoy color makes it easier for fishermen to comply with the rules, and it facilitates enforcement of the rules. In WAC 220-47-302 (3)(b), we changed the size of the polyform buoys that mark the cork line portion of the net to size A-1 buoys. These buoys are more manageable for fishermen.

Number of Sections Adopted in Order to Comply with Federal Statute: New 0, Amended 9, Repealed 0; Federal Rules or Standards: New 0, Amended 9, Repealed 0; or Recently Enacted State Statutes: New 0, Amended 0, Repealed 0.

Number of Sections Adopted at Request of a Nongovernmental Entity: New 0, Amended 9, Repealed 0.

Number of Sections Adopted on the Agency's Own Initiative: New 0, Amended 9, Repealed 0.

Number of Sections Adopted in Order to Clarify, Streamline, or Reform Agency Procedures: New 0, Amended 0, Repealed 0.

Number of Sections Adopted Using Negotiated Rule Making: New 0, Amended 0, Repealed 0; Pilot Rule Making: New 0, Amended 0, Repealed 0; or Other Alternative Rule Making: New 0, Amended 0, Repealed 0.

Date Adopted: July 9, 2009.

Philip Anderson
Director

AMENDATORY SECTION (Amending WSR 07-20-006, filed 9/20/07, effective 10/21/07)

WAC 220-47-302 Puget Sound—Lawful gear—Gill net. (1) It is unlawful to use drift gill net salmon gear in Puget Sound that exceeds 1,800 feet in length or contains meshes of a size less than 5 inches (~~(, except in Area 9A, where gill nets may not exceed 600 feet in length, or be more than 60 mesh deep, or contain mesh size less than 5 inches)~~).

(2) It is unlawful to use skiff gill net salmon nets in Puget Sound that exceed ~~((300)) 600~~ feet in length ~~((or)), 90~~ meshes in depth, or that contain meshes of a size less than 5 inches, except in Area 9A, where skiff gill nets ~~((may not exceed 600 feet in length, or be))~~ are further restricted by not being more than 60 meshes deep ~~((, or contain mesh size less than 5 inches))~~. It is unlawful to retrieve skiff gill nets by any means except by hand (no hydraulics may be used). It is unlawful to fail to attend to skiff gill nets at all times.

(3) Drift gill nets and skiff gill nets shall be operated substantially in a straight line. It is unlawful to set such nets in a circle or to set them in other than a substantially straight line.

(a) It is unlawful to operate any drift gill net, attended or unattended, unless there is affixed, within five feet of each end of the net, two red polyform size A-3 buoys, marking the visible end of the cork line portion of the net. One of the two buoys shall be marked in a visible, legible, and permanent manner with the name and gill-net license number of the fisher.

(b) The cork line portion of the net shall be marked every 50 fathoms of the net with polyform size A-1 buoys.

(4) It is unlawful to take or fish for salmon with gill net gear in Areas 7 or 7A sockeye or pink salmon fisheries unless said gill net gear is constructed so that the first 20 meshes

below the cork line are composed of five-inch mesh, white opaque, minimum 210/30d (#12) diameter, nylon twine.

(5) It is unlawful to take or fish for salmon with gill net gear when recovery box(es) are required in areas ((7 or 7A between the dates of September 30 and October 20)) defined under WAC 220-22-030 unless the gill net vessel has aboard and uses said operable recovery box(es) as described in this subsection.

(a) Dimensions and capacities of required recovery boxes:

(i) Recovery boxes must have two chambers, if one box, or one chamber in each box, if two boxes.

(ii) Each recovery box chamber must have an inside length measurement of 48 inches, an inside width measurement of 10 inches, and an inside height measurement of 16 inches.

(iii) Each chamber of the recovery box must have an inlet hole measuring between 3/4 inch and 1 inch in diameter. The inlet hole must be centered horizontally across the door or wall of the chamber, and the bottom of the hole must be located 1-3/4 inches above the floor of the chamber.

(iv) Each chamber of the recovery box must include a water outlet hole on the opposite wall from the inlet hole, and the outlet hole must be at least 1-1/2 inches in diameter, with the bottom of the outlet hole located 12 inches above the floor of the chamber.

(v) Flow of water through each chamber of the recovery boxes must be not less than 16 gallons per minute, nor more than 20 gallons per minute.

(b) Each box and chamber must be operating during any time that the net is being retrieved or picked.

(c) The vessel operator must demonstrate to department employees, upon request, that the pumping system is delivering the proper volume of fresh seawater into each chamber.

(d) All salmon not to be retained must be released immediately with care and with the least possible injury to the fish, or placed into the operating recovery box.

(e) Any fish that is bleeding or lethargic must be placed in the recovery box prior to being released.

(f) All fish placed in the recovery boxes must be released within the same catch area as the area of capture, and the release must occur prior to landing or docking.

(6) It is unlawful to fish for salmon with gill net gear in Areas 7 and 7A unless the vessel operator has attended a "Fish Friendly" best fishing practices workshop and is in possession of a department-issued certification card.

AMENDATORY SECTION (Amending Order 08-167, filed 7/8/08, effective 8/8/08)

WAC 220-47-307 Closed areas—Puget Sound salmon. It is unlawful at any time, unless otherwise provided, to take, fish for, or possess salmon taken for commercial purposes with any type of gear from the following portions of Puget Sound Salmon Management and Catch Reporting Areas, except that closures listed in this section do not apply to reef net fishing areas listed in RCW 77.50.050:

Areas 4B, 5, 6, 6B, and 6C - The Strait of Juan de Fuca Preserve as defined in WAC 220-47-266.

Area 6D - That portion within 1/4-mile of each mouth of the Dungeness River.

Area 7 - (1) The San Juan Island Preserve as defined in WAC 220-47-262.

(2) Those waters within 1,500 feet of shore on Orcas Island from Deer Point northeasterly to Lawrence Point, thence west to a point intercepting a line projected from the northernmost point of Jones Island, thence 90° true to Orcas Island.

(3) Those waters within 1,500 feet of the shore of Cypress Island from Cypress Head to the northernmost point of Cypress Island.

(4) Those waters easterly of a line projected from Iceberg Point to Iceberg Island, to the easternmost point of Charles Island, then true north from the northernmost point of Charles Island to the shore of Lopez Island.

(5) Those waters northerly of a line projected from the southernmost point of land at Aleck Bay to the westernmost point of Colville Island, thence from the easternmost point of Colville Island to Point Colville.

(6) Those waters easterly of a line projected from Biz Point on Fidalgo Island to the Williamson Rocks Light, thence to the Dennis Shoal Light, thence to the light on the westernmost point of Burrows Island, thence to the southwestern-most point of Fidalgo Head, and including those waters within 1,500 feet of the western shore of Allan Island, those waters within 1,500 feet of the western shore of Burrows Island, and those waters within 1,500 feet of the shore of Fidalgo Island from the southwestern-most point of Fidalgo Head northerly to Shannon Point.

(7) Additional Fraser sockeye and pink seasonal closure: Those waters within 1,500 feet of the shore of Fidalgo Island from the Initiative 77 marker northerly to Biz Point.

(8) Those waters within 1,500 feet of the eastern shore of Lopez Island from Point Colville northerly to Lopez Pass, and those waters within 1,500 feet of the eastern shore of Decatur Island from the southernmost point of land northerly to Fauntleroy Point, and including those waters within 1,500 feet of the shore of James Island.

Area 7A - The Drayton Harbor Preserve as defined in WAC 220-47-252.

Area 7B - (1) That portion south and east of a line from William Point on Samish Island to Saddlebag Island to the southeastern tip of Guemes Island, and that portion northerly of the railroad trestle in Chuckanut Bay.

(2) Additional coho seasonal closure: Those waters of Area 7B west of a line from Point Francis (48°41'42"N, 122°36'40"W) to the red and green buoy southeast of Point Francis (48°40'22"N, 122°35'30"W), then to the northernmost tip of Eliza Island (48°39'37"N, 122°35'45"W), then along the eastern shore of the island to a point intersecting a line drawn through Eliza Rock Light (48°38'35"N, 122°34'40"W) and Fish Point (48°34'35"N, 122°29'45"W) and then southeastward along that line to Fish Point.

Area 7C - That portion southeasterly of a line projected from the mouth of Oyster Creek 237° true to a fishing boundary marker on Samish Island.

Area 8 - (1) That portion of Skagit Bay easterly of a line projected from Brown Point on Camano Island to a white

monument on the easterly point of Ika Island, thence across the Skagit River to the terminus of the jetty with McGlenn Island.

(2) Those waters within 1,500 feet of the western shore of Camano Island south of a line projected true west from Rocky Point.

Area 8A - (1) Those waters easterly of a line projected from Mission Point to Buoy C1, excluding the waters of Area 8D, thence through the green light at the entrance jetty of the Snohomish River and across the mouth of the Snohomish River to landfall on the eastern shore, and those waters northerly of a line from Camano Head to the northern boundary of Area 8D.

(2) Additional pink and coho seasonal closure prior to October 3: Those waters southerly of a line projected from the Clinton ferry dock to the Mukilteo ferry dock.

Area 8D - Those waters easterly of a line projected from Mission Point to Hermosa Point.

Area 9 - Those waters lying inside and westerly of a line projected from the Point No Point light to Sierra Echo buoy, thence to Forbes Landing wharf east of Hansville.

Area 10 - (1) Those waters easterly of a line projected from Meadow Point to West Point.

(2) Those waters of Port Madison westerly of a line projected from Point Jefferson to the northernmost portion of Point Monroe.

(3) Additional coho seasonal closure: Those waters of Elliott Bay east of a line from Alki Point to the light at Four-mile Rock, and those waters northerly of a line projected from Point Wells to "SF" Buoy, then west to President's Point.

Area 10E - Those waters of Liberty Bay north of a line projected due east from the southernmost Keyport dock, those waters of Dyes Inlet north of the Manette Bridge, and those waters of Sinclair Inlet southwest of a line projected true east from the Bremerton ferry terminal.

Area 11 - (1) Those waters northerly of a line projected true west from the light at the mouth of Gig Harbor, and those waters south of a line from Browns Point to the northernmost point of land on Point Defiance.

(2) Additional coho seasonal closure: Those waters south of a line projected from the light at the mouth of Gig Harbor to the Tahlequah ferry dock, then south to the Point Defiance ferry dock, and those waters south of a line projected from the Point Defiance ferry dock to Dash Point.

Area 12 - Those waters inside and easterly of a line projected from Lone Rock to the navigation light off Big Beef Creek, thence southerly to the tip of the outermost northern headland of Little Beef Creek.

Area 12A - Those waters north of a line projected due east from Broad Spit.

Area 12B - Those waters within 1/4-mile of the mouths of the Dosewallips, Duckabush, and Hamma Hamma rivers and Anderson Creek.

Areas 12, 12A, and 12B - (1) Those waters within 1,000 feet of the mouth of the Quilcene River.

(2) Additional Chinook seasonal closure: Those waters north and east of a line projected from Tekiu Point to Triton Head.

Areas 12, 12B and 12C - Those waters within 1,000 feet of the eastern shore.

Area 12C - (1) Those waters within 2,000 feet of the western shore between the dock at Glen Ayr R.V. Park and the Hoodspoint marina dock.

(2) Those waters south of a line projected from the Cushman Powerhouse to the public boat ramp at Union.

(3) Those waters within 1/4-mile of the mouth of the Dewatto River.

Areas 12 and 12D - Additional coho and chum seasonal closure: Those waters of Area 12 south and west of a line projected 94 degrees true from Hazel Point to the light on the opposite shore, bounded on the west by the Area 12/12B boundary line, and those waters of Area 12D.

Area 13A - Those waters of Burley Lagoon north of State Route 302; those waters within 1,000 feet of the outer oyster stakes off Minter Creek Bay, including all waters of Minter Creek Bay; those waters westerly of a line drawn due north from Thompson Spit at the mouth of Glen Cove; and those waters within 1/4-mile of Green Point.

AMENDATORY SECTION (Amending Order 08-167, filed 7/8/08, effective 8/8/08)

WAC 220-47-311 Purse seine—Open periods. It is unlawful to take, fish for, or possess salmon taken with purse seine gear for commercial purposes from Puget Sound, except in the following designated Puget Sound Salmon Management and Catch Reporting Areas and during the periods provided for in each respective Management and Catch Reporting Area:

AREA	TIME	DATE
((7, 7A:	7AM—7PM-	- 10/10))
<u>7, 7A:</u>	<u>7AM - 6PM</u>	<u>- ((10/15)) 10/12, 10/13, 10/16, 10/17, 10/18, 10/19, 10/20, 10/21, 10/22, 10/23, 10/24, 10/25, 10/26, 10/27, 10/28, 10/29, 10/30, 10/31</u>
	<u>7AM - 5PM</u>	<u>- 11/1, 11/2, 11/3, 11/4, 11/5, 11/6, 11/7, 11/8, 11/9, 11/10, 11/11, 11/12, 11/13, 11/14</u>

Note: In Areas 7 and 7A, it is unlawful to fail to brail when fishing with purse seine gear. Any time brailing is required, purse seine fishers must also use a recovery box in compliance with WAC 220-47-301 (7)(a) through (f).

7B, 7C:	6AM - ((8PM)) 9PM	- ((8/20, 8/27, 9/3)) 8/12
	<u>6AM - 8PM</u>	<u>= 8/19, 8/26, 9/2</u>
7B:	<u>7AM - 8PM</u>	<u>- ((9/10)) 9/9</u>
	<u>7AM - 7PM</u>	<u>- ((9/15)) 9/14, 9/16, 9/18</u>
	<u>7AM ((9/24)) 9/20</u>	<u>- 6PM ((11/4)) 10/31</u>
	<u>7AM ((11/3)) 11/2</u>	<u>- 4PM ((11/7)) 11/6</u>
	<u>7AM ((11/10)) 11/9</u>	<u>- 4PM ((11/14)) 11/13</u>
	<u>7AM ((11/17)) 11/16</u>	<u>- 4PM ((11/21)) 11/20</u>
	<u>7AM ((11/24)) 11/23</u>	<u>- 4PM ((11/28)) 11/27</u>
	<u>8AM ((12/4)) 11/30</u>	<u>- 4PM ((12/5)) 11/4</u>

Note: That portion of Area 7B east of a line from Post Point to the flashing red light at the west entrance to Squalicum Harbor is open to purse seines beginning at 12:01 a.m. on the last Monday in October and until 4:00 p.m. on the first Friday in December.

AREA	TIME	DATE
8:	((7AM—5PM)) 6AM - 8PM	- ((11/4, 11/11, 11/18)) 8/17, 8/19, 8/25, 8/27
	((7AM—4PM	- 11/25))
8A:	((7AM—7PM)) 6AM - 8PM	- ((Limited participation—two boats (9/29, 10/6:)) 8/18, 8/20, 8/24, 8/26
	<u>7AM - ((6PM)) 7PM</u>	<u>- ((10/13, 10/20, 10/27, 10/29)) Limited participation - two boats (9/28, 10/5).</u>
	<u>7AM - ((5PM)) 6PM</u>	<u>- ((11/5, 11/11,)) 11/13((-11/19))</u>
	((7AM—4PM	- 11/24, 11/26))
8D:	<u>7AM - 7PM</u>	<u>- ((9/22, 9/29, 10/6)) 9/21, 9/28, 10/5</u>
	<u>7AM - 6PM</u>	<u>- ((10/13, 10/20, 10/27, 10/29)) 10/12, 10/19, 10/26, 10/28</u>
	<u>7AM - 5PM</u>	<u>- ((11/5, 11/11, 11/13, 11/19)) 11/4, 11/10, 11/12, 11/18</u>
	<u>7AM - 4PM</u>	<u>- ((11/24, 11/26)) 11/23, 11/25</u>
10((-11):	((7AM—6PM)) 6AM - 8PM	- ((10/20, 10/27, 10/29)) Limited participation - two boats (8/25, 8/27, 8/31).
10, 11:	<u>7AM - 6PM</u>	<u>= 10/20, 10/26, 10/28</u>
	<u>7AM - 5PM</u>	<u>- 11/3, ((11/10, 11/12)) 11/9, 11/11, 11/17</u>
	<u>7AM - 4PM</u>	<u>- ((11/24)) 11/23</u>

Note: In Area 10 during any open period occurring from 8/25 through 8/31 it is unlawful to fail to brail when fishing with purse seine gear. Any time brailing is required, purse seine fishers must also use a recovery box in compliance with WAC 220-47-301 (7)(a) through (f). During limited participation fisheries it is unlawful for vessels to take or fish for salmon with department observers on board.

12, 12B:	7AM - 6PM((-use of recovery box required))	- 10/20, ((10/27, 10/29)) 10/26, 10/28
	<u>7AM - 5PM</u>	<u>- 11/3, ((11/10, 11/12)) 11/9, 11/11, 11/17</u>

((Note: In Areas 12 and 12B, it is unlawful to take or fish for salmon during any open period occurring from 10/19 through 11/1 with purse seine gear unless purse seine fishers are using a recovery box in compliance with WAC 220-47-301 (7)(a) through (f).))

12C:	<u>7AM - 5PM</u>	<u>- ((11/10)) 11/9, 11/17</u>
	<u>7AM - 4PM</u>	<u>- ((11/24)) 11/23</u>

It is unlawful to retain the following salmon species taken with purse seine gear within the following areas during the following periods:

Chinook salmon - at all times in Areas 7, 7A, 8, 8A, 8D, 10, 11, 12, 12B, and 12C, and after October ~~((26))~~ 25 in Area 7B.

Coho salmon - at all times in Areas 7, 7A, 10, and 11, ~~((and))~~ prior to September ((7)) 6 in Area 7B ~~((and wild coho in Areas 12, 12B, and 12C)), and during September in those waters of Area 7B west of a line from Point Francis (48°41'42"N, 122°36'40"W) to the red and green buoy south-east of Point Francis (48°40'22"N, 122°35'30"W), then to the northernmost tip of Eliza Island (48°39'37"N, 122°35'45"W), then along the eastern shore of the island to a point intersecting a line drawn through Eliza Rock Light~~

(48°38'35"N, 122°34'40"W) and Fish Point (48°34'35"N, 122°29'45"W) and then southeastward along that line to Fish Point.

Chum salmon - prior to October 1 in Areas 7 and 7A.
All other saltwater and freshwater areas - closed.

AMENDATORY SECTION (Amending Order 08-167, filed 7/8/08, effective 8/8/08)

WAC 220-47-325 Purse seine—Release of incidentally caught fish. (1) It is unlawful for any purse seine vessel operator landing salmon to do so directly into the hold. All salmon must be landed onto the deck or sorting tray or table of the harvesting vessel with the hold hatch cover(s) closed until all salmon that cannot be retained are released; and additionally:

(2) In Areas 7 and 7A, and prior to ~~((September 14))~~ the Fraser Panel relinquishing management control in Areas 7B and 7C, it is unlawful for any purse seine vessel operator to bring salmon aboard a vessel unless all salmon captured in the seine net are removed from the seine net using a brailer or dip net meeting the specifications in this section prior to the seine net being removed from the water, unless otherwise provided for in this section.

(3) The brailer must be constructed in the following manner and with the following specifications:

(a) A bag of web hung on a rigid hoop attached to a handle;

(b) The bag must be opened by releasing a line running through rings attached to the bottom of the bag; and

(c) The web must be of soft knotless construction, and the mesh size cannot exceed 57 mm (2.25 inches) measured along two contiguous sides of a single mesh.

(4) Hand-held dip nets must be constructed of a shallow bag of soft, knotless web attached to a handle.

(5) Fish may be brought on board without using a brailer or dip net as specified in this section if the number of fish in the net is small enough that the crew can hand-pull the bunt

onto the vessel without the use of hydraulic or mechanical assistance.

(6) In order for fishers to participate in openings where brailing is required, fishers must use a recovery box and operate the box in compliance with the provisions of WAC 220-47-301 (7)(a) through (f). It is unlawful to fail to do so.

AMENDATORY SECTION (Amending Order 08-167, filed 7/8/08, effective 8/8/08)

WAC 220-47-401 Reef net open periods. (1) It is unlawful to take, fish for, or possess salmon taken with reef net gear for commercial purposes in Puget Sound, except in the following designated Puget Sound Salmon Management and Catch Reporting Areas, during the periods provided for in each respective area:

AREA	TIME	DATE(S)
7, 7A	5AM - 9PM Daily	((9/14 - 11/15)) 9/13 - 11/14

(2) It is unlawful at all times to retain wild Chinook salmon taken with reef net gear, and it is unlawful prior to October 1 to retain chum or wild coho salmon taken with reef net gear.

(3) It is unlawful to retain marked Chinook after September 30.

(a) It is unlawful to retain marked Chinook with reef net gear if the fisher does not have in his or her immediate possession a department-issued Puget Sound Reef Net Logbook with all retained Chinook accounted for in logbook. Marked Chinook are those with a clipped adipose fin and a healed scar at the site of the clipped fin.

(b) Completed logs must be submitted and received within six working days to: Jeromy Jording, Puget Sound Commercial Salmon Manager, Department of Fish & Wildlife, 600 Capitol Way N, Olympia WA, 98501-1091.

(4) All other saltwater and freshwater areas - closed.

AMENDATORY SECTION (Amending Order 08-167, filed 7/8/08, effective 8/8/08)

WAC 220-47-411 Gill net—Open periods. It is unlawful to take, fish for, or possess salmon taken with gill net gear for commercial purposes from Puget Sound, except in the following designated Puget Sound Salmon Management and Catch Reporting Areas during the periods provided for in each respective fishing area:

AREA	TIME		DATE(S)	MINIMUM MESH	
6D: Skiff gill net only.	7AM	-	7PM	9/21, 9/22, 9/23, 9/24, 9/25, ((9/26)) 9/28, 9/29, 9/30, 10/1, 10/2, ((10/3)) 10/5, 10/6, 10/7, 10/8, 10/9, ((10/10)) 10/12, 10/13, 10/14, 10/15, 10/16, ((10/17)) 10/19, 10/20, 10/21, 10/22, 10/23 ((10/24))	5 1/2"
Note: In Area 6D, it is unlawful to use other than 5-inch minimum ((and 5 1/2-inch maximum)) mesh in the skiff gill net fishery. It is unlawful to retain Chinook taken in Area 6D at any time, or any chum salmon taken in Area 6D prior to October 16. In Area 6D, any Chinook or chum salmon required to be released must be removed from the net by cutting the meshes ensnaring the fish.					
7, 7A:	7AM	-	Midnight; use of recovery box required	((10/10, 10/15)) 10/12, 10/13, 10/16, 10/17	6 1/4"
	7AM	-	Midnight	10/18, 10/19, 10/20, 10/21, 10/22, 10/23, 10/24, 10/25, 10/26, 10/27, 10/28, 10/29, 10/30, 10/31, 11/1, 11/2, 11/3, 11/4, 11/5, 11/6, 11/7, 11/8, 11/9, 11/10, 11/11, 11/12, 11/13, 11/14	6 1/4"

AREA	TIME		DATE(S)	MINIMUM MESH	
Note: In Areas 7 and 7A after September 28 but prior to October ((19)) 18, coho and Chinook salmon must be released, and it is unlawful to use a net soak time of more than 45 minutes. Net soak time is defined as the time elapsed from when the first of the gill net web enters the water, until the gill net is fully retrieved from the water. Fishers must also use a recovery box in compliance with WAC 220-47-302 (5)(a) through (f).					
7B, 7C:	8PM	-	7AM	NIGHTLY 8/10	7"
	7PM	-	8AM	NIGHTLY ((8/18, 8/19, 8/21)) 8/17, 8/18, 8/20, 8/24, 8/25, ((8/26, 8/28)) 8/27, 8/31, 9/1, ((9/2, 9/4)) 9/3	7"
7B:	12:01AM	-	Midnight	((9/7, 9/9, 9/11, 9/14, 9/16, 9/18)) 9/6, 9/8, 9/10, 9/13, 9/15, 9/17	5"
	7AM ((9/21)) 9/20	-	Midnight ((10/25)) 10/24		5"
	12:01AM ((10/26)) 10/25	-	Midnight ((11/4)) 10/31		6 1/4"
	7AM ((11/3)) 11/2	-	4PM ((11/7)) 11/6		6 1/4"
	7AM ((11/10)) 11/9	-	4PM ((11/14)) 11/13		6 1/4"
	7AM ((11/17)) 11/16	-	4PM ((11/21)) 11/20		6 1/4"
	7AM ((11/24)) 11/23	-	4PM ((11/28)) 11/27		6 1/4"
	8AM ((12/1)) 11/30	-	4PM ((12/5)) 12/4		6 1/4"
Note: That portion of Area 7B east of a line from Post Point to the flashing red light at the west entrance to Squalicum Harbor is open to gill nets using 6 1/4-inch minimum mesh beginning 12:01 AM on the last day in October and until 6:00 PM on the first Friday in December.					
8:	((7AM)) 6AM	-	((7PM)) 10PM	((11/3, 11/5, 11/7, 11/10, 11/12, 11/14, 11/17, 11/19, 11/21)) 8/18, 8/20, 8/24, 8/26	((6-1/4")) 5" minimum and 5 1/2" maximum
	((7AM)) 6AM	-	6PM	11/24, 11/26, 11/28	6-1/4"))
Note: In Area 8 it is unlawful to take or fish for pink salmon with drift gill nets greater than 60 mesh maximum depth.					
8A:	((6PM)) 6AM	-	((8AM)) 10PM	((NIGHTLY 10/7)) 8/17, 8/19, 8/25, 8/27	5" minimum and 5 1/2" maximum
	((7AM)) 7AM	-	8 PM	10/14, 10/16	5"
	((7AM)) 7AM	-	4PM	10/17	5"))
	((8AM)) 6PM	-	((8PM)) 8AM	((10/21, 10/23, 10/28, 10/30)) NIGHTLY 10/6	((6-1/4")) 5"
	((8AM)) 7AM	-	((4PM)) 6PM	((10/24, 10/31)) 10/12, 10/14	((6-1/4")) 5"
	((7AM)) 7AM	-	7PM	11/4, 11/6, 11/10, 11/12, 11/18, 11/20	6-1/4"
	7AM	-	6PM	11/25, 11/27	6-1/4"
	7AM	-	4PM	11/7, 11/14, 11/21, 11/28	6-1/4"))
8D:	6PM	-	8AM	NIGHTLY ((9/21, 9/23, 9/25, 9/28, 9/30, 10/2, 10/5, 10/7, 10/9)) 9/20, 9/27, 10/4	5"
	7AM	-	((8 PM)) 9PM	((10/16)) 9/22, 9/23, 9/29, 9/30, 9/6, 9/7	5"
	7AM	-	((4PM)) 8PM	((10/17)) 10/15, 10/22, 10/29	5"
	((8AM)) 8AM	-	8PM	10/23	5"
	8AM	-	4PM	10/24	5"
	8AM	-	8PM	10/30	6-1/4"
	8AM	-	4PM	10/31	6-1/4"))
	7AM	-	4PM	10/16, 10/23, 10/30	5"
	7AM	-	7PM	((11/6, 11/13, 11/)) 11/11, 11/19	6 1/4"
	7AM	-	6PM	((11/27)) 11/26	6 1/4"
	7AM	-	4PM	((11/7, 11/14, 11/21, 11/28)) 11/13, 11/20, 11/27	6 1/4"
9A: Skiff gill net only.	((7PM)) 7AM	-	((7AM)) 7PM	((NIGHTLY 8/26, 8/27, 8/28)) 8/24, 8/25, 8/26	5"

AREA	TIME		DATE(S)	MINIMUM MESH
	6AM ((8/31)) 8/30	-	8PM ((11/4)) 10/31	5"
Note: It is unlawful to retain chum salmon taken in Area 9A prior to October 1, and it is unlawful to retain Chinook salmon at any time. Any salmon required to be released must be removed from the net by cutting the meshes ensnaring the fish. <u>Legal gear defined in WAC 220-47-302.</u>				
10	6AM	-	10PM	Limited participation - two boats (8/24, 8/25, 8/31) 5" minimum and 5 1/2" maximum
<u>Note: In Area 10 during September coho and Chinook salmon must be released, and it is unlawful to use a net soak time of more than 45 minutes. Net soak time is defined as the time elapsed from when the first of the gill net web enters the water, until the gill net is fully retrieved from the water. Fishers must also use a recovery box in compliance with WAC 220-47-302 (5)(a) through (f).</u>				
10, 11:	((4PM)) 5PM	-	((7AM)) 9AM	NIGHTLY ((10/19, 10/28, 11/2)) 10/18, 10/29
	5PM	-	((9AM)) 8AM	NIGHTLY ((10/30)) 10/21
	((3PM)) 4PM	-	((7AM)) 8AM	NIGHTLY ((11/9, 11/16)) 11/1, 11/10, 11/12, 11/15
	((2 PM)) 3PM	-	((7AM)) 8AM	NIGHTLY ((11/23)) 11/22
	4PM	-	Midnight	NIGHTLY ((10/22, 11/5, 11/13, 11/19, 11/26)) 10/21, 11/4, 11/18, 11/25
12A: Skiff gill net only.	7AM	-	7PM	((9/2, 9/9, 9/16, 9/23, 9/30)) 9/1, 9/8, 9/15, 9/22, 9/31
Note: In Area 12A, it is unlawful to use other than 5-inch minimum (and 5 1/2-inch maximum) mesh in the skiff gill net fishery. It is unlawful to retain Chinook or chum salmon taken in Area 12A at any time, and any salmon required to be released must be removed from the net by cutting the meshes ensnaring the fish.				
12, 12B:	((8AM)) 7AM	-	8PM	((10/22, 10/23, 10/28, 10/30)) 10/19, 10/21, 10/27, 10/29
	7AM	-	7PM	((11/5, 11/6, 11/11, 11/13, 11/19, 11/20)) 11/2, 11/4, 11/10, 11/12, 11/16, 11/18
12C:	7AM	-	7PM	((11/11, 11/13, 11/18, 11/20)) 11/10, 11/12, 11/16, 11/18
	7AM	-	6PM	((11/25, 11/27)) 11/24, 11/26

All other saltwater and freshwater areas - closed.

Nightly openings refer to the start date.

Within an area or areas, a mesh size restriction remains in effect from the first date indicated until a mesh size change is shown, and the new mesh size restriction remains in effect until changed.

AMENDATORY SECTION (Amending Order 03-210, filed 8/20/03, effective 9/20/03)

WAC 220-47-427 Puget Sound—Beach seine—Emerging commercial fishery—Eligibility—Lawful gear.

(1) The Puget Sound beach seine salmon fishery is designated as an emerging commercial fishery for which a vessel is required. An emerging commercial fishery license and an experimental fishery permit are required to participate in this fishery.

(2) The department will issue ~~((five))~~ two salmon beach seine experimental fishery permits.

(3) The following is the selection process the department will use to offer a salmon beach seine experimental permit.

(a) Persons who held a salmon beach seine experimental fishery permit in the previous management year will be eligible for a permit in the current management year.

(b) The department established a pool of applicants by drawing on August 13, 2002. The pool established by this drawing will be maintained to replace any permit(s) which may be voided.

(4) Permit holders are required to participate in the salmon beach seine experimental fishery.

(a) For purposes of this section, "participation" means the holder of the salmon beach seine experimental permit

being aboard the designated vessel in the open fishery (~~area two days each week during the open fishing period~~).

(b) If the salmon beach seine experimental permit holder fails to participate, the salmon beach seine experimental permit issued to that fisher will be void and a new salmon beach seine experimental permit will be issued through a random drawing from the applicant pool established in 2002.

(c) The department may require proof of participation by maintaining a department approved log book or registering with state officials each day the salmon beach seine experimental permit holder participates.

(d) Persons who participate, but violate conditions of a salmon beach seine experimental permit, will have the permit voided and a new salmon beach seine experimental permit will be reissued through a random drawing from the pool of the voided permit holder.

(5) In Quilcene Bay, chum salmon may not be retained by a salmon beach seine experimental permit holder. Chum salmon in Quilcene Bay must be released alive (~~or, at the direction of federal or state officials, submitted for brood stock purposes~~).

(6) Any person who fails to purchase the license, fails to participate, or violates the conditions of a salmon beach seine experimental permit will have his or her name permanently withdrawn from the pools.

(7) It is unlawful to take salmon with beach seine gear that does not meet the requirements of this subsection.

(a) Beach seine salmon nets in Puget Sound shall not exceed 600 feet in length or 100 meshes in depth, or contain meshes of a size less than 3 inches or greater than 4 inches.

(b) Mesh webbing must be constructed with a twine size no smaller than 210/30d nylon, 12 thread cotton, or the equivalent diameter in any other material.

AMENDATORY SECTION (Amending Order 05-166, filed 8/3/05, effective 9/3/05)

WAC 220-47-428 Beach seine—Open periods. It is unlawful to take, fish for, or possess salmon taken with beach seine gear for commercial purposes from Puget Sound except in the following designated Puget Sound Salmon Management and Catch Reporting Areas during the periods provided hereinafter in each respective Management and Catch Reporting Area:

All areas: (~~Closed~~)

AREA	TIME	DATE(S)
12A:	7AM - 7PM	8/24, 8/25, 8/31, 9/1, 9/7, 9/8, 9/14, 9/15, 9/21, 9/22, 9/28, 9/29
12H:	7AM - 7PM	November (dates determined per agreement with tribal comanagers in-season if harvestable surplus of salmon remain).

It is unlawful to retain chinook taken with beach seine gear in all areas, and unlawful to retain chum from Area 12A.

AMENDATORY SECTION (Amending Order 92-47, filed 7/20/92, effective 8/20/92)

WAC 220-47-500 Limited participation salmon net fisheries. (1) When the director determines that a harvestable amount of salmon appears to be available, but that full-fleet fishing effort has an unacceptable risk of exceeding the available harvest or compromises other specific management objectives, the director may authorize a limited participation fishery in extreme terminal fishing areas in order to provide additional opportunities for net fisheries where they might not otherwise exist. Such a fishery may be authorized for experimental or developmental fisheries, fisheries necessary to refine run size data, fisheries necessary to provide biological information, or in cases where:

- (a) Other specific management objectives have been stated for the species and area in question; or
- (b) There is a reasonable expectation that foregone opportunity will be claimed and the harvestable surplus cannot be carried forward to the next year of harvest; and
- (c) Full-fleet participation with time, space, or gear restrictions cannot achieve the harvest goal.

(2) Only licensed commercial salmon fishers may participate in a limited participation fishery. Only one listing is allowed per license. Fishers who wish to have their name placed on a limited participation register must mark the appropriate box on their license renewal application, or so notify the department, in writing, by July 31st. Interested fishers must provide a message phone number at which they may be contacted.

(3) Each year the department will, from the list of interested fishers, use random selection to create a priority list for gill net fishers and a priority list for purse seine fishers. Priority registers will be available for inspection at the department's Olympia office, or upon written request to the department. Once the priority lists have been created, sale or transfer of the license shall invalidate the receiver from participation in that year's limited participation fishery.

(4) The number of units of each gear type selected to participate in a limited participation fishery will reflect the most recent ratio of gear types in the full-fleet fishery directed at the species in question, except when conservation concerns, biological data collection needs, or specific management objectives dictate alternative ratios or use of a single gear type.

(5) When a limited participation fishery is authorized, the department will contact fishers from the priority register at least twenty-four hours prior to the opening of the fishery. When a fisher cannot be contacted after reasonable effort, the department will select the next name, until the maximum number of allowable units of gear is reached. If not reached, the fisher's name will remain at the priority position, but the fisher may not participate in that limited participation fishery. Agreement to participate, or declining to participate, will remove the fisher from the priority position, and place the name at the bottom of the priority list.

Agreement to participate in an authorized limited participation fisheries will require a department observer on board a participating vessel. An additional permit may be required by a participating vessel to allow for a department observer to complete work associated with biological data collection needs meeting specific management objectives.

(6) Examples of specific management objectives include but are not limited to:

- (a) Reducing levels of incidental catch of wild salmon stocks;
- (b) Reducing incidental catch of nontarget salmon species originating from regions other than the fishing area; or
- (c) Specific recreational emphasis action.

WSR 09-15-057

PERMANENT RULES

DEPARTMENT OF REVENUE

[Filed July 10, 2009, 9:33 a.m., effective August 10, 2009]

Effective Date of Rule: Thirty-one days after filing.

Purpose: WAC 458-20-239 (Rule 239) explains the retail sales tax exemption provided by RCW 82.08.0268 for sales to nonresidents of farming machinery and implements, parts for farming machinery and implements, and related labor and services.

The department has amended Rule 239 to:

- Eliminate language in subsection (2)(b) explaining that prior to June 11, 1998, the exemption was limited to parts and did not include repair services;
- Add the term "driver's license" in subsection (2)(c) as an example of what constitutes acceptable proof that a buyer is a nonresident;

- In subsection (2)(d): (1) Replace the reference to identify the "buyer's retail sales tax exemption certificate" with the "farmers' retail sales tax exemption certificate," which is the certificate currently used to document an exempt sales claim; and (2) update the explanation of how to obtain a blank exemption certificate.

Citation of Existing Rules Affected by this Order: Amending WAC 458-20-239 Sales to nonresidents of farm machinery or implements, and related services.

Statutory Authority for Adoption: RCW 82.32.300 and 82.01.060(2).

Other Authority: RCW 82.08.0268.

Adopted under notice filed as WSR 09-10-095 on May 6, 2009.

Number of Sections Adopted in Order to Comply with Federal Statute: New 0, Amended 0, Repealed 0; Federal Rules or Standards: New 0, Amended 0, Repealed 0; or Recently Enacted State Statutes: New 0, Amended 0, Repealed 0.

Number of Sections Adopted at Request of a Nongovernmental Entity: New 0, Amended 0, Repealed 0.

Number of Sections Adopted on the Agency's Own Initiative: New 0, Amended 1, Repealed 0.

Number of Sections Adopted in Order to Clarify, Streamline, or Reform Agency Procedures: New 0, Amended 0, Repealed 0.

Number of Sections Adopted Using Negotiated Rule Making: New 0, Amended 0, Repealed 0; Pilot Rule Making: New 0, Amended 0, Repealed 0; or Other Alternative Rule Making: New 0, Amended 1, Repealed 0.

Date Adopted: July 10, 2009.

Alan R. Lynn
Rules Coordinator

AMENDATORY SECTION (Amending WSR 00-09-092, filed 4/19/00, effective 5/20/00)

WAC 458-20-239 Sales to nonresidents of farm machinery or implements, and related services. (1) **Introduction.** This ~~((rule))~~ section explains the retail sales tax exemption provided by RCW 82.08.0268 for sales to nonresidents of farming machinery and implements, parts for farming machinery and implements, and related labor and services. ~~((The rule))~~ This section also explains the documents that must be preserved to substantiate a claim of exemption. Sellers should refer to WAC 458-20-193 (Inbound and out-bound interstate sales of tangible personal property) if they deliver farm machinery or implements to the purchaser at an out-of-state location.

(2) **Tax-reporting requirements.** Retailing B&O and retail sales taxes generally apply to all sales of tangible personal property, parts, and repair labor in Washington.

(a) RCW 82.08.0268 provides an exemption from retail sales tax for sales to nonresidents of the following when used in conducting a farm activity outside the state of Washington:

- Machinery and implements;
- Parts for machinery and implements; and
- Labor and services for repair of machinery, implements, and parts.

(b) To qualify for the exemption, the machinery, implements, or parts must be transported outside the state immediately after sale or completion of the repair or service. ~~((Prior to June 11, 1998, the exemption applied only to farm machinery and implements, and repair parts and components if attached to the machinery or implements. The exemption did not apply to labor and services.))~~

(c) This exemption is allowed even though the property sold or serviced is delivered to the purchaser in this state, but only when the seller receives from the buyer an exemption certificate, and examines acceptable proof such as a driver's license that the buyer is a resident of a state or country other than the state of Washington.

(d) The exempt nature of the transaction must be documented by using the department's "~~((buyer's))~~ Farmers' Retail Sales Tax Exemption Certificate," or another certificate with substantially the same information as it relates to the exemption provided by RCW 82.08.0268. The certificate must be completed in its entirety, and retained by the seller.

~~((A blank))~~ The "Farmers' Retail Sales Tax Exemption Certificate" can be obtained via the internet at <http://dor.wa.gov> ~~((, by facsimile by calling Fast Fax at (360) 786-6116 or (800) 647-7706 (using menu options), or by writing to Taxpayer Services, Washington State Department of Revenue, Post Office Box 47478, Olympia, Washington 98504-7478)).~~ The form may also be obtained by contacting the department's telephone information center at 1-800-647-7706, or by writing the department at:

Taxpayer Information and Education
Department of Revenue
P.O. Box 47478
Olympia, WA 98504-7478

If, prior to completion of the sale, the seller becomes aware of any information inconsistent with the purchaser's claim of residency, such as a Washington address on a credit application, the seller should not accept an exemption certificate.

WSR 09-15-067

PERMANENT RULES

GAMBLING COMMISSION

[Order 650—Filed July 13, 2009, 8:39 a.m., effective August 13, 2009]

Effective Date of Rule: Thirty-one days after filing.

Purpose: The amendments add family sporting complexes, whether operated by commercial or a charitable/non-profit organization, as an authorized location to operate amusement games. The amendment also removes the restriction that a charitable or nonprofit organization must be licensed for bingo or punch board/pull-tabs in order to operate amusement games.

Citation of Existing Rules Affected by this Order: Amending WAC 230-13-150, 230-13-080, and 230-13-135.

Statutory Authority for Adoption: RCW 9.46.070.

Adopted under notice filed as WSR 09-08-019 filed on March 23, 2009, and published April 15, 2009.

Changes Other than Editing from Proposed to Adopted Version: Housekeeping: "es" added to family sporting complexes. Language was added to clarify that a family sports complex does not include a facility owned or operated by a school or school district.

Number of Sections Adopted in Order to Comply with Federal Statute: New 0, Amended 0, Repealed 0; Federal Rules or Standards: New 0, Amended 0, Repealed 0; or Recently Enacted State Statutes: New 0, Amended 0, Repealed 0.

Number of Sections Adopted at Request of a Nongovernmental Entity: New 0, Amended 0, Repealed 0.

Number of Sections Adopted on the Agency's Own Initiative: New 0, Amended 3, Repealed 0.

Number of Sections Adopted in Order to Clarify, Streamline, or Reform Agency Procedures: New 0, Amended 3, Repealed 0.

Number of Sections Adopted Using Negotiated Rule Making: New 0, Amended 0, Repealed 0; Pilot Rule Making: New 0, Amended 0, Repealed 0; or Other Alternative Rule Making: New 0, Amended 3, Repealed 0.

Date Adopted: July 13, 2009.

Susan Arland
Rules Coordinator

AMENDATORY SECTION (Amending Order 625, filed 5/14/08, effective 7/1/08)

WAC 230-13-080 Operating coin or token activated amusement games. (1) Coin or token activated amusement games must have nonresetting coin-in meters, certified as accurate to within plus or minus one coin or token in one thousand plays, which stop play of the machine if the meter is removed or disconnected when operating at:

- (a) Amusement parks; or
- (b) Regional shopping malls; or
- (c) Movie theaters; or
- (d) Bowling alleys; or
- (e) Miniature golf course facilities; or
- (f) Skating facilities; or
- (g) ~~((Commercially operated))~~ Family sports ~~((complex, offering sports))~~ complexes.

(i) A "family sports complex" is a facility, at a permanent location, to which people go to play sports. A family sports complex must offer multiple sports activities, such as indoor ~~((and))~~ soccer, outdoor soccer, lacrosse, baseball, Frisbee, and lawn bowling and the gross receipts must be primarily from these sports activities.

(ii) A family sports complex does not include a facility owned or operated by a school or school district; or

- (h) Amusement centers; or
- (i) Restaurants; or
- (j) Grocery or department stores. A "department or grocery store" means a business that offers the retail sale of a full line of clothing, accessories, and household goods, or a full line of dry grocery, canned goods, or nonfood items plus some perishable items, or a combination of these. A department or grocery store must have more than ten thousand square feet of retail and support space, not including the parking areas~~((or~~

~~((Any premises that a charitable or nonprofit organization currently licensed to operate punch boards, pull tabs, or bingo controls or operates)).~~

(2) All coin or token activated amusement games must have a coin acceptor capable of taking money for one play and may have an additional acceptor to include paper money.

(3) Operators using amusement games that do not return change must have a change-making bill acceptor or the ability to get change in the immediate vicinity of such games. All amusement games using paper money acceptors must either:

- (a) Return change; or
- (b) Clearly disclose to players before play that change is not returned and disclose to them where at the location they may get change.

AMENDATORY SECTION (Amending Order 625, filed 5/14/08, effective 7/1/08)

WAC 230-13-135 Maximum wagers and prize limitations at certain amusement game locations. The maximum wager is fifty cents and the maximum cost for a prize is two hundred fifty dollars if school-aged minors are allowed to play amusement games at the following locations:

- (1) Regional shopping centers; and
- (2) Movie theaters; and
- (3) Bowling alleys; and
- (4) Miniature golf course facilities; and
- (5) Skating facilities; and
- (6) ~~((Commercially operated))~~ Family sports ~~((complex, offering sports))~~ complexes.

(i) A "family sports complex" is a facility, at a permanent location, to which people go to play sports. A family sports complex must offer multiple sports activities, such as indoor ~~((and))~~ soccer, outdoor soccer, lacrosse, baseball, Frisbee, and lawn bowling and the gross receipts must be primarily from these sports activities.

(ii) A family sports complex does not include a facility owned or operated by a school or school district; and

- (7) Amusement centers; and
- (8) Grocery or department stores. A "department or grocery store" means a business that offers the retail sale of a full line of clothing, accessories, and household goods, or a full line of dry grocery, canned goods, or nonfood items plus some perishable items, or a combination of these. A department or grocery store must have more than ten thousand square feet of retail and support space, not including the parking areas; and

(9) Any business whose primary activity is to provide food service for on premises consumption.

AMENDATORY SECTION (Amending Order 625, filed 5/14/08, effective 7/1/08)

WAC 230-13-150 Amusement game locations. (1) Amusement game operators must obtain written permission to operate at any location from the person or organization owning the premises or sponsoring the event where the operator will hold the activity.

(2) Operators may only conduct commercial amusement games at:

- (a) Locations set out in RCW 9.46.0331; and

(b) ~~((Commercially operated))~~ Family sports ~~((complex, offering sports))~~ complexes.

(i) A "family sports complex" is a facility, at a permanent location, to which people go to play sports. A family sports complex must offer multiple sports activities, such as indoor ~~((and))~~ soccer, outdoor soccer, lacrosse, baseball, Frisbee, and lawn bowling and the gross receipts must be primarily from these sports activities.

(ii) A family sports complex does not include a facility owned or operated by a school or school district; and

(c) Skating facilities; and

(d) Grocery or department stores. A "department or grocery store" means a business that offers the retail sale of a full line of clothing, accessories, and household goods, or a full line of dry grocery, canned goods, or nonfood items plus some perishable items, or a combination of these. A department or grocery store must have more than ten thousand square feet of retail and support space, not including the parking areas.

(3) Operators must conduct amusement games in conformance with local zoning, fire, health, and similar regulations.

WSR 09-15-069

PERMANENT RULES

GAMBLING COMMISSION

[Order 652—Filed July 13, 2009, 8:45 a.m., effective January 1, 2010]

Effective Date of Rule: January 1, 2010.

Purpose: We received a petition for rule change from a poker manager. The petitioner requested that players be allowed to use half dollars or quarters to pay fees in non-house-banked card games. He stated this would give poker operators a more accurate way to collect fees (rake) associated with poker games. The commission approved the petitioner's request at their July 2009 meeting.

Citation of Existing Rules Affected by this Order: Amending WAC 230-15-145.

Statutory Authority for Adoption: RCW 9.46.070.

Adopted under notice filed as WSR 09-09-022 filed on April 6, 2009, and published May 6, 2009.

Number of Sections Adopted in Order to Comply with Federal Statute: New 0, Amended 0, Repealed 0; Federal Rules or Standards: New 0, Amended 0, Repealed 0; or Recently Enacted State Statutes: New 0, Amended 0, Repealed 0.

Number of Sections Adopted at Request of a Nongovernmental Entity: New 0, Amended 0, Repealed 0.

Number of Sections Adopted on the Agency's Own Initiative: New 0, Amended 1, Repealed 0.

Number of Sections Adopted in Order to Clarify, Streamline, or Reform Agency Procedures: New 0, Amended 1, Repealed 0.

Number of Sections Adopted Using Negotiated Rule Making: New 0, Amended 0, Repealed 0; Pilot Rule Making: New 0, Amended 0, Repealed 0; or Other Alternative Rule Making: New 0, Amended 1, Repealed 0.

Date Adopted: July 13, 2009.

Susan Arland
Rules Coordinator

AMENDATORY SECTION (Amending Order 632, filed 11/14/08, effective 1/1/09)

WAC 230-15-145 Making wagers with chips or coin.

Players in card games must make all wagers and pay fees to play card games with chips, except that:

(1) Players may use half dollars or quarters in house-banked card games; and in nonhouse-banked card games to pay fees.

(2) Players may use dimes and nickels in any game that allows a commission to be charged.

WSR 09-15-070

PERMANENT RULES

GAMBLING COMMISSION

[Order 654—Filed July 13, 2009, 8:48 a.m., effective January 1, 2010]

Effective Date of Rule: January 1, 2010.

Purpose: The Recreational Gaming Association (RGA) requested a rule change to eliminate the requirement for house-banked card room licensees to maintain an amount equal to **all** individual odds-based wager prizes offered which are greater than \$25,000 in a separate bank account. An "odds-based wager" means a wager where the player wins an amount over and above the amount he or she wagered if a fixed pattern or combination of cards occurs, for example, a royal flush, four aces, or a pair. Since the "odds based wager" prize is incorporated in the minimum cash on hand calculation, there is no longer a need for these funds to be held in a separate bank account. The change allows house-banked licensees who offer more than one individual odds-based wager prize greater than \$25,000 to keep an amount equal to the **second** highest odds-based wager prize in a bank, mutual savings bank, or credit union in Washington state or possess a verifiable line of credit from a Washington state financial institution.

Citation of Existing Rules Affected by this Order: Amending WAC 230-15-455.

Statutory Authority for Adoption: RCW 9.46.070.

Adopted under notice filed as WSR 09-09-054 filed on April 10, 2009, and published May 6, 2009.

Number of Sections Adopted in Order to Comply with Federal Statute: New 0, Amended 0, Repealed 0; Federal Rules or Standards: New 0, Amended 0, Repealed 0; or Recently Enacted State Statutes: New 0, Amended 0, Repealed 0.

Number of Sections Adopted at Request of a Nongovernmental Entity: New 0, Amended 0, Repealed 0.

Number of Sections Adopted on the Agency's Own Initiative: New 0, Amended 1, Repealed 0.

Number of Sections Adopted in Order to Clarify, Streamline, or Reform Agency Procedures: New 0, Amended 1, Repealed 0.

Number of Sections Adopted Using Negotiated Rule Making: New 0, Amended 0, Repealed 0; Pilot Rule Mak-

ing: New 0, Amended 0, Repealed 0; or Other Alternative Rule Making: New 0, Amended 1, Repealed 0.

Date Adopted: July 13, 2009.

Susan Arland
Rules Coordinator

AMENDATORY SECTION (Amending Order 608, filed 4/10/07, effective 1/1/08)

WAC 230-15-455 Keeping funds to pay prizes, progressive jackpot prizes, and odds-based wager prizes. (1) House-banked card game licensees must ensure that they have sufficient funds available to pay prizes, progressive jackpot prizes and odds-based wager prizes. An "odds-based wager" means a wager where the player wins an amount over and above the amount he or she wagered if a fixed pattern or combination of cards occurs, for example, a royal flush, four aces, or a pair.

(2) Licensees must not offer card games until they have met all of these requirements:

(a) Progressive jackpot prizes.

(i) Keep a separate bank account for progressive jackpot prizes (~~and odds-based wager prizes~~). The account must be kept in a bank, mutual savings bank, or credit union located in Washington state; (~~and~~

~~(b) Keep in the account an amount equal to all individual odds-based wager prizes offered which are greater than twenty-five thousand dollars and all progressive jackpot prize funds; and~~

~~(c) Use the highest wager they allow to calculate the individual odds-based wager prize amount and determine the deposit requirement; and~~

~~(d)) (ii) Deposit (~~at least weekly~~) all funds accrued for progressive jackpot prizes at least weekly; and~~

(iii) If the prize bank account is reduced below the level required, licensees must immediately stop operating games until they are in compliance.

(b) Odds-based wager prizes.

(i) Licensees offering more than one individual odds-based wager prize greater than twenty-five thousand dollars must keep an amount equal to the second highest odds-based wager prize offered in a bank, mutual savings bank, or a credit union located in Washington state; or possess a verifiable line of credit from a Washington state financial institution for at least the amount required; and

(ii) Use the highest wager they allow to calculate the individual odds-based wager prize amount to determine the amount for this requirement.

(3) Licensees may limit pay outs by using table and/or individual player aggregates.

~~(4) ((If the prize bank account is reduced below the level required, licensees must immediately stop operating games until they are in compliance.~~

~~(5))~~ A licensee's failure to keep funds as required in this rule is prima facie evidence of defrauding the public and a violation of RCW 9.46.190.

WSR 09-15-071

PERMANENT RULES

GAMBLING COMMISSION

[Order 651—Filed July 13, 2009, 9:01 a.m., effective January 1, 2010]

Effective Date of Rule: January 1, 2010.

Purpose: This new rule allows licensed gambling service suppliers who install and maintain closed circuit television surveillance systems (CCTV) to remotely access digital CCTV systems for maintenance or repair under the following restrictions:

1. The card room licensee must notify us before the remote access occurs; and

2. The card room licensee must document any remote access in their surveillance log; and

3. Remote access will only be enabled for the duration of the maintenance or repair and the connection terminated immediately after.

Citation of Existing Rules Affected by this Order: Amending [new section] WAC 230-15-267.

Statutory Authority for Adoption: RCW 9.46.070.

Adopted under notice filed as WSR 09-09-055 filed on April 10, 2009, and published May 6, 2009.

Number of Sections Adopted in Order to Comply with Federal Statute: New 0, Amended 0, Repealed 0; Federal Rules or Standards: New 0, Amended 0, Repealed 0; or Recently Enacted State Statutes: New 0, Amended 0, Repealed 0.

Number of Sections Adopted at Request of a Nongovernmental Entity: New 0, Amended 0, Repealed 0.

Number of Sections Adopted on the Agency's Own Initiative: New [1], Amended 1 [0], Repealed 0.

Number of Sections Adopted in Order to Clarify, Streamline, or Reform Agency Procedures: New [1], Amended 1 [0], Repealed 0.

Number of Sections Adopted Using Negotiated Rule Making: New 0, Amended 0, Repealed 0; Pilot Rule Making: New 0, Amended 0, Repealed 0; or Other Alternative Rule Making: New [1], Amended 1 [0], Repealed 0.

Date Adopted: July 13, 2009.

Susan Arland
Rules Coordinator

NEW SECTION

WAC 230-15-267 Remote access of closed circuit television surveillance systems. Licensed gambling service suppliers that install and maintain closed circuit television (CCTV) surveillance systems may remotely access digital CCTV systems for maintenance or repair under the following provisions:

(1) The card room licensee must notify us before the remote access occurs; and

(2) The card room licensee must document any remote access in their surveillance log; and

(3) Remote access will only be enabled for the duration of the maintenance or repair and the connection terminated immediately after.

WSR 09-15-075
PERMANENT RULES
DEPARTMENT OF HEALTH

(Dental Quality Assurance Commission)

[Filed July 13, 2009, 11:04 a.m., effective August 13, 2009]

Effective Date of Rule: Thirty-one days after filing.

Purpose: WAC 246-817-510 Definitions for WAC 246-817-501 through 246-817-570. The adopted rule adds a definition of volunteer dental assistant providing services in a charitable dental clinic. HB 3088 (chapter 150, Laws of 2008) creates an exemption from dental assistant registration for a volunteer dental assistant providing services under supervision of licensed dentists in a charitable dental clinic. The adopted rule defines a volunteer dental assistant who is exempt from registration requirements.

Citation of Existing Rules Affected by this Order: Amending WAC 246-817-510.

Statutory Authority for Adoption: RCW 18.32.0365, 18.260.110, and 18.260.120.

Adopted under notice filed as WSR 09-08-119 on April 1, 2009.

A final cost-benefit analysis is available by contacting Jennifer Santiago, P.O. Box 47867, Olympia, WA 98504-7867, phone (360) 236-4893, fax (360) 236-2901, e-mail Jennifer.santiago@doh.wa.gov.

Number of Sections Adopted in Order to Comply with Federal Statute: New 0, Amended 0, Repealed 0; Federal Rules or Standards: New 0, Amended 0, Repealed 0; or Recently Enacted State Statutes: New 0, Amended 1, Repealed 0.

Number of Sections Adopted at Request of a Nongovernmental Entity: New 0, Amended 0, Repealed 0.

Number of Sections Adopted on the Agency's Own Initiative: New 0, Amended 0, Repealed 0.

Number of Sections Adopted in Order to Clarify, Streamline, or Reform Agency Procedures: New 0, Amended 0, Repealed 0.

Number of Sections Adopted Using Negotiated Rule Making: New 0, Amended 0, Repealed 0; Pilot Rule Making: New 0, Amended 0, Repealed 0; or Other Alternative Rule Making: New 0, Amended 1, Repealed 0.

Date Adopted: June 5, 2009.

Padmaraj Angolkar, D.D.S., Chair
Dental Quality Assurance Commission

AMENDATORY SECTION (Amending WSR 08-14-010, filed 6/19/08, effective 7/1/08)

WAC 246-817-510 Definitions for WAC 246-817-501 through 246-817-570. (1) **"Close supervision"** means that a licensed dentist whose patient is being treated has personally diagnosed the condition to be treated and has personally authorized the procedures to be performed. A dentist shall be physically present in the treatment facility while the procedures are performed. Close supervision does not require a dentist to be physically present in the operatory; however, an attending dentist must be in the treatment facility and be capable of responding immediately in the event of an emergency.

(2) **"Coronal polishing"** means a procedure limited to the removal of plaque and stain from exposed tooth surfaces, utilizing an appropriate instrument and polishing agent.

This procedure shall not be intended or interpreted as an oral prophylaxis as defined in WAC 246-817-510 a procedure specifically reserved to performance by a licensed dentist or dental hygienist. Coronal polishing may, however, be performed by dental assistants under close supervision as a portion of the oral prophylaxis. In all instances, however, a licensed dentist shall determine that the teeth need to be polished and are free of calculus or other extraneous material prior to performance of coronal polishing by a dental assistant.

(3) **"Debridement at the periodontal surgical site"** means curettage or root planing after reflection of a flap by the supervising dentist. This does not include cutting of osseous tissues.

(4) **"Elevating soft tissues"** is defined as part of a surgical procedure involving the use of the periosteal elevator to raise flaps of soft tissues. Elevating soft tissue is not a separate and distinct procedure in and of itself.

(5) **"General supervision"** means supervision of dental procedures based on examination and diagnosis of the patient and subsequent instructions given by a licensed dentist but not requiring the physical presence of the supervising dentist in the treatment facility during the performance of those procedures.

(6) **"Incising"** is defined as part of the surgical procedure of which the end result is removal of oral tissue. Incising, or the making of an incision, is not a separate and distinct procedure in and of itself.

(7) **"Luxation"** is defined as an integral part of the surgical procedure of which the end result is extraction of a tooth. Luxation is not a distinct procedure in and of itself. It is the dislocation or displacement of a tooth or of the temporomandibular articulation.

(8) **"Oral prophylaxis"** means the preventive dental procedure of scaling and polishing which includes complete removal of calculus, soft deposits, plaque, stains and the smoothing of unattached tooth surfaces. The objective of this treatment shall be creation of an environment in which hard and soft tissues can be maintained in good health by the patient.

(9) **"Periodontal soft tissue curettage"** means the closed removal of tissue lining the periodontal pocket, not involving the reflection of a flap.

(10) **"Root planing"** means the process of instrumentation by which the unattached surfaces of the root are made smooth by the removal of calculus or deposits.

(11) **"Supportive services"** means services that are related to clinical functions in direct relationship to treating a patient.

(12) **"Suturing"** is defined as the readaption of soft tissue by use of stitches as a phase of an oral surgery procedure. Suturing is not a separate and distinct procedure in and of itself.

(13) **"Treatment facility"** means a dental office or connecting suite of offices, dental clinic, room or area with equipment to provide dental treatment, or the immediately adjacent rooms or areas. A treatment facility does not extend

to any other area of a building in which the treatment facility is located.

(14) "**Noncredentialed person**" means a person who is not a dentist licensed under chapter 18.32 RCW; dental hygienist licensed under chapter 18.29 RCW; expanded function dental auxiliary licensed under chapter 18.260 RCW; or a dental assistant registered under chapter 18.260 RCW.

(15) "Volunteer dental assistant" means an individual who, without compensation, provides the supportive services set forth in WAC 246-817-520 in a charitable dental clinic.

WSR 09-15-082

PERMANENT RULES

DEPARTMENT OF

SOCIAL AND HEALTH SERVICES

(Health and Recovery Services Administration)

[Filed July 14, 2009, 8:00 a.m., effective August 14, 2009]

Effective Date of Rule: Thirty-one days after filing.

Purpose: Recently passed federal legislation allows: (1) States, beginning April 1, 2009, to provide medicaid and state children's health insurance program coverage to legal immigrant children and pregnant women without the five-year delay from the time of their United States entry; and (2) Afghan special immigrants to be eligible for temporary assistance for needy families (TANF) and medicaid for up to eight months as allowed under federal law effective March 11, 2009.

Citation of Existing Rules Affected by this Order: Amending WAC 388-424-0006, 388-424-0010, and 388-424-0016.

Statutory Authority for Adoption: RCW 74.04.050, 74.04.055, 74.04.057, 74.04.510, 74.08.090, and 74.08A.-120.

Other Authority: P.L. No. 111-3 (H.R. 2, Title II, Sec. 214 - Children's Health Insurance Program Reauthorization Act of 2009); P.L. No. 111-08 Omnibus Appropriations Act of 2009, Office of Refugee Resettlement State Letter #09-17.

Adopted under notice filed as WSR 09-11-107 on May 29 [19], 2009.

Number of Sections Adopted in Order to Comply with Federal Statute: New 3, Amended 0, Repealed 0; Federal Rules or Standards: New 0, Amended 0, Repealed 0; or Recently Enacted State Statutes: New 0, Amended 0, Repealed 0.

Number of Sections Adopted at Request of a Nongovernmental Entity: New 0, Amended 0, Repealed 0.

Number of Sections Adopted on the Agency's Own Initiative: New 0, Amended 0, Repealed 0.

Number of Sections Adopted in Order to Clarify, Streamline, or Reform Agency Procedures: New 0, Amended 0, Repealed 0.

Number of Sections Adopted Using Negotiated Rule Making: New 0, Amended 0, Repealed 0; Pilot Rule Making: New 0, Amended 0, Repealed 0; or Other Alternative Rule Making: New 3, Amended 0, Repealed 0.

Date Adopted: June 29, 2009.

Stephanie E. Schiller
Rules Coordinator

AMENDATORY SECTION (Amending WSR 07-07-023, filed 3/9/07, effective 4/9/07)

WAC 388-424-0006 Citizenship and alien status—

Date of entry. (1) A person who physically entered the U.S. prior to August 22, 1996 and who continuously resided in the U.S. prior to becoming a "qualified alien" (as defined in WAC 388-424-0001) is not subject to the five-year bar on TANF, nonemergency medicaid, and SCHIP.

(2) A person who entered the U.S. prior to August 22, 1996 but became "qualified" on or after August 22, 1996, or who physically entered the U.S. on or after August 22, 1996 and who requires five years of residency to be eligible for federal Basic Food, can only count years of residence during which they were a "qualified alien."

(3) A person who physically entered the U.S. on or after August 22, 1996 is subject to the five-year bar on TANF, nonemergency medicaid, and SCHIP unless exempt. The five-year bar starts on the date that "qualified" status is obtained.

(4) The following "qualified aliens," as defined in WAC 388-424-0001, are exempt from the five-year bar:

- (a) Amerasian lawful permanent residents;
- (b) Asylees;
- (c) Cuban/Haitian entrants;
- (d) Persons granted withholding of deportation or removal;
- (e) Refugees;
- (f) Victims of trafficking who have been certified or had their eligibility approved by the office of refugee resettlement (ORR); and

(g) Lawful permanent residents, parolees, or battered aliens, as defined in WAC 388-424-0001, who are also an armed services member or veteran as described in WAC 388-424-0007.

(5) In addition to subsection (4) of this section, the following "qualified aliens" are also exempt from the five-year bar on nonemergency medicaid and SCHIP:

- (a) Pregnant women;
- (b) Children under nineteen years of age; and
- (c) Children under twenty-one years of age who are residing in a medical institution as described in WAC 388-505-0230.

AMENDATORY SECTION (Amending WSR 08-14-116, filed 6/30/08, effective 8/1/08)

WAC 388-424-0010 Citizenship and alien status—

Eligibility restrictions for ~~((the temporary assistance for needy families program and medical benefits, including))~~ TANF, nonemergency medicaid, and ~~((the children's healthcare programs))~~ SCHIP. (1) To receive TANF, non-emergency medicaid, or ~~((medical benefits))~~ SCHIP, you must meet all other eligibility requirements and be one of the following as defined in WAC 388-424-0001:

- (a) A U.S. citizen;

- (b) A U.S. national;
- (c) An American Indian born outside the U.S.;
- (d) A "qualified alien";
- (e) A victim of trafficking;
- (f) A Hmong or Highland Lao; or

(g) A special immigrant from Iraq or Afghanistan eligible for eight months of federally funded assistance from your date of entry into the United States or from the date you received special immigrant status(~~(or~~

~~(h) A special immigrant from Afghanistan eligible for six months of federally funded assistance from your date of entry into the United States or from the date you received special immigrant status)).~~

(2) A "qualified alien" who first physically entered the U.S. before August 22, 1996 as described in WAC 388-424-0006(1) may receive TANF, nonemergency medicaid, and SCHIP (~~(benefits)~~).

(3) A "qualified alien" who first physically entered the U.S. on or after August 22, 1996 cannot receive TANF, non-emergency medicaid, or SCHIP for five years after obtaining status as a qualified alien unless:

(a) He or she is an alien as described (~~(under)~~) in WAC 388-424-0006(4); or

(b) He or she is an alien as described in WAC 388-424-0006(5) applying for nonemergency medicaid or SCHIP.

(4) An alien who is ineligible for TANF(~~(non-emergency medicaid, or SCHIP)~~) because of the five-year bar or because of their immigration status may be eligible for:

(a) Emergency benefits as described in WAC 388-436-0015 (consolidated emergency assistance program) and WAC 388-438-0110 (alien emergency medical program); or

(b) State-funded cash or chemical dependency benefits as described in WAC 388-424-0015 (SFA, GA and ADATSA) and medical benefits as described in WAC 388-424-0016; or

(c) Pregnancy medical benefits as described in WAC 388-462-0015; or

(d) Children's (~~(health program)~~) healthcare benefits as described in WAC 388-505-0210.

AMENDATORY SECTION (Amending WSR 04-15-004, filed 7/7/04, effective 8/7/04)

WAC 388-424-0016 Citizenship and alien status—Immigrant eligibility restrictions for state medical benefits. ~~((1))~~ To receive general assistance medical (medical care services) you must meet the alien requirements of general assistance as described in WAC 388-424-0015(2) and be a recipient of general assistance cash.

~~((2) To receive medical benefits for pregnancy, you must be ineligible for other programs as described in WAC 388-462-0015, verify you are pregnant, and be:~~

(a) A "qualified alien" who is ineligible for TANF due to the five year bar as described in WAC 388-424-0006(3);

(b) PRUCOL as defined in WAC 388-424-0001; or

(c) An undocumented alien as defined in WAC 388-424-0001-))

WSR 09-15-084
PERMANENT RULES
DEPARTMENT OF
SOCIAL AND HEALTH SERVICES
(Economic Services Administration)

[Filed July 14, 2009, 8:04 a.m., effective August 14, 2009]

Effective Date of Rule: Thirty-one days after filing.

Purpose: The department is eliminating WorkFirst participation requirements for dependent teens.

Citation of Existing Rules Affected by this Order: Amending WAC 388-310-0200.

Statutory Authority for Adoption: RCW 74.04.050, 74.04.055, 74.04.057, 74.08.090, and 74.08A.340.

Adopted under notice filed as WSR 09-10-044 on May 1, 2009.

Number of Sections Adopted in Order to Comply with Federal Statute: New 0, Amended 0, Repealed 0; Federal Rules or Standards: New 0, Amended 0, Repealed 0; or Recently Enacted State Statutes: New 0, Amended 0, Repealed 0.

Number of Sections Adopted at Request of a Nongovernmental Entity: New 0, Amended 0, Repealed 0.

Number of Sections Adopted on the Agency's Own Initiative: New 0, Amended 0, Repealed 0.

Number of Sections Adopted in Order to Clarify, Streamline, or Reform Agency Procedures: New 0, Amended 1, Repealed 0.

Number of Sections Adopted Using Negotiated Rule Making: New 0, Amended 0, Repealed 0; Pilot Rule Making: New 0, Amended 0, Repealed 0; or Other Alternative Rule Making: New 0, Amended 1, Repealed 0.

Date Adopted: July 10, 2009.

Stephanie E. Schiller
Rules Coordinator

AMENDATORY SECTION (Amending WSR 06-24-023, filed 11/29/06, effective 12/30/06)

WAC 388-310-0200 WorkFirst—Activities. (1) **Who is required to participate in WorkFirst activities?**

(a) You are required to participate in WorkFirst activities, and become what is called a "mandatory participant," if you:

(i) ~~((Receive))~~ Are receiving TANF or SFA cash assistance because you are pregnant or the parent or adult in the home; and

(ii) ~~((Are a custodial parent or age sixteen or older; and (iii))~~ Are not exempt. For exemptions see WAC 388-310-0300 and 388-310-0350.

(b) Participation is voluntary for all other WorkFirst participants (those who no longer receive or have never received TANF or SFA cash assistance).

(2) What activities do I participate in when I enter the WorkFirst program?

When you enter the WorkFirst program, you will participate in one or more of the following activities (which are described in more detail in other sections of this chapter):

(a) Paid employment (see WAC 388-310-0400 (2)(a) and 388-310-1500);

(b) Self employment (see WAC 388-310-1700);

- (c) Job search (see WAC 388-310-0600);
- (d) Community jobs (see WAC 388-310-1300)
- (e) Work experience (see WAC 388-310-1100);
- (f) On-the-job training (see WAC 388-310-1200);
- (g) Vocational educational training (see WAC 388-310-1000);
- (h) Basic education activities (see WAC 388-310-0900);
- (i) Job skills training (see WAC 388-310-1050);
- (j) Community service (see WAC 388-310-1400);
- (k) Activities provided by tribal governments for tribal members and other American Indians (see WAC 388-310-1400(1) and 388-310-1900);
- (l) Other activities identified by your case manager on your individual responsibility plan that will help you with situations such as drug and/or alcohol abuse, homelessness, or mental health issues; and/or

(m) Activities identified by your case manager on your individual responsibility plan to help you cope with family violence as defined in WAC 388-61-001; and/or

(n) Up to ten hours of financial literacy activities to help you become self-sufficient and financially stable.

(3) If I am a mandatory participant, how much time must I spend doing WorkFirst activities?

If you are a mandatory participant, you will be required to participate full time, working, looking for work or preparing for work. You might be required to participate in more than one part-time activity at the same time that add up to full time participation. You will have an individual responsibility plan (described in WAC 388-310-0500) that includes the specific activities and requirements of your participation.

(4) What activities do I participate in after I get a job?

You will participate in other activities, such as job search or training once you are working twenty hours or more a week in a paid unsubsidized job, to bring your participation up to full time.

You may also engage in activities if you are working full time and want to get a better job.

Post employment services (described in WAC 388-310-1800) include:

- (a) Activities that help you keep a job (called an "employment retention" service); and/or
- (b) Activities that help you get a better job or better wages (called a "wage and skill progression" service).

WSR 09-15-085

PERMANENT RULES

DEPARTMENT OF

SOCIAL AND HEALTH SERVICES

(Economic Services Administration)

[Filed July 14, 2009, 8:06 a.m., effective August 14, 2009]

Effective Date of Rule: Thirty-one days after filing.

Purpose: The department is amending WAC 388-450-0015 What types of income does the department not use to figure out my benefits? Child support is currently a deduction from a household's countable gross income for Basic Food assistance. The department is exercising an option

from the 2002 farm bill to treat child support payments made to someone outside of the home as an income exclusion prior to administering the gross income test.

Currently, some households are denied for Basic Food assistance for excess gross income, even when up to 50% of their income is paid out in child support. These families are now unable to qualify for food assistance due to income that they have no access to because it is paid out in child support. This change will enhance the division of child support's mission to collect child support and will enhance the community services division's mission to assist low-income families to access the Basic Food program.

Citation of Existing Rules Affected by this Order: Amending WAC 388-450-0015.

Statutory Authority for Adoption: RCW 74.04.005, 74.04.050, 74.04.055, 74.04.057, 74.04.510, and 74.08.090.

Other Authority: P.L. 107-171, section 4101.

Adopted under notice filed as WSR 09-12-117 on June 3, 2009.

Number of Sections Adopted in Order to Comply with Federal Statute: New 0, Amended 0, Repealed 0; Federal Rules or Standards: New 0, Amended 1, Repealed 0; or Recently Enacted State Statutes: New 0, Amended 0, Repealed 0.

Number of Sections Adopted at Request of a Nongovernmental Entity: New 0, Amended 0, Repealed 0.

Number of Sections Adopted on the Agency's Own Initiative: New 0, Amended 0, Repealed 0.

Number of Sections Adopted in Order to Clarify, Streamline, or Reform Agency Procedures: New 0, Amended 0, Repealed 0.

Number of Sections Adopted Using Negotiated Rule Making: New 0, Amended 0, Repealed 0; Pilot Rule Making: New 0, Amended 0, Repealed 0; or Other Alternative Rule Making: New 0, Amended 1, Repealed 0.

Date Adopted: July 10, 2009.

Stephanie E. Schiller

Rules Coordinator

AMENDATORY SECTION (Amending WSR 09-09-103, filed 4/20/09, effective 4/21/09)

WAC 388-450-0015 What types of income does the department not use to figure out my benefits? This section applies to cash assistance, children's, family, or pregnancy medical, and basic food benefits.

(1) There are some types of income we do not count to figure out if you can get benefits and the amount you can get. Some examples of income we do not count are:

(a) Bona fide loans as defined in WAC 388-470-0045, except certain student loans as specified under WAC 388-450-0035;

(b) Federal earned income tax credit (EITC) payments;

(c) Federal economic stimulus payments that are excluded for federal and federally assisted state programs;

(d) Title IV-E and state foster care maintenance payments if you choose not to include the foster child in your assistance unit;

(e) Energy assistance payments;

(f) Educational assistance we do not count under WAC 388-450-0035;

(g) Native American benefits and payments we do not count under WAC 388-450-0040;

(h) Income from employment and training programs we do not count under WAC 388-450-0045;

(i) Money withheld from a benefit to repay an overpayment from the same income source. For Basic Food, we **do not** exclude money that is withheld because you were overpaid for purposely not meeting requirements of a federal, state, or local means tested program such as TANF/SFA, GA, and SSI;

(j) Legally obligated child support payments received by someone who gets TANF/SFA benefits;

(k) One-time payments issued under the Department of State or Department of Justice Reception and Replacement Programs, such as Voluntary Agency (VOLAG) payments; and

(l) Payments we are directly told to exclude as income under state or federal law.

(m) **For cash and Basic Food:** Payments made to someone outside of the household for the benefits of the assistance unit using funds that are not owed to the household; (~~and~~)

(n) **For Basic Food Only:** The total monthly amount of all legally obligated current or back child support payments paid by the assistance unit to someone outside of the assistance unit for:

(i) A person who is not in the assistance unit; or

(ii) A person who is in the assistance unit to cover a period of time when they were not living with the member of the assistance unit responsible for paying the child support on their behalf.

(o) **For medical assistance:** Only the portion of income used to repay the cost of obtaining that income source.

(2) For children's, family, or pregnancy medical, we also do not count any insurance proceeds or other income you have recovered as a result of being a Holocaust survivor.

WSR 09-15-120

PERMANENT RULES

DEPARTMENT OF HEALTH

(Veterinary Board of Governors)

[Filed July 17, 2009, 11:24 a.m., effective August 17, 2009]

Effective Date of Rule: Thirty-one days after filing.

Purpose: The rules clarify the tasks that may be performed by licensed veterinary technicians and unregistered assistants and under what level of supervision the tasks may be performed. The rules also describe the roles and responsibilities of the supervising veterinarian, the licensed veterinary technician, and the unregistered assistant related to delegation of health care tasks by the supervising veterinarian.

Citation of Existing Rules Affected by this Order: Amending WAC 246-935-010, 246-935-040, and 246-935-050.

Statutory Authority for Adoption: RCW 18.92.030, 18.92.125.

Adopted under notice filed as WSR 09-07-069 on March 13, 2009.

Number of Sections Adopted in Order to Comply with Federal Statute: New 0, Amended 0, Repealed 0; Federal Rules or Standards: New 0, Amended 0, Repealed 0; or Recently Enacted State Statutes: New 0, Amended 0, Repealed 0.

Number of Sections Adopted at Request of a Nongovernmental Entity: New 0, Amended 0, Repealed 0.

Number of Sections Adopted on the Agency's Own Initiative: New 0, Amended 3, Repealed 0.

Number of Sections Adopted in Order to Clarify, Streamline, or Reform Agency Procedures: New 0, Amended 3, Repealed 0.

Number of Sections Adopted Using Negotiated Rule Making: New 0, Amended 0, Repealed 0; Pilot Rule Making: New 0, Amended 0, Repealed 0; or Other Alternative Rule Making: New 0, Amended 3, Repealed 0.

Date Adopted: June 1, 2009.

Harmon A. Roger, DVM, Chair
Veterinary Board of Governors

AMENDATORY SECTION (Amending WSR 08-11-099, filed 5/20/08, effective 6/20/08)

WAC 246-935-010 Definitions. (1) (~~"Veterinary technician" means any person who has met the requirements of RCW 18.92.015 and who is licensed as required by chapter 18.92 RCW.~~

~~(2))~~ "Anesthesia maintenance" means maintaining adequate depth of anesthesia through control of the amount and type of drug(s) delivered to the animal patient.

~~(2)~~ "Anesthesia monitoring" means measuring, reporting, and recording vital signs.

~~(3)~~ "Direct supervision" means the veterinary supervisor is on the premises, is quickly and easily available and the animal patient has been examined by a veterinarian at such times as acceptable veterinary medical practice requires, consistent with the particular delegated animal health care task.

~~((3))~~ ~~(4)~~ "Emergency" means that the animal patient has (~~been placed in~~) a life-threatening condition where immediate treatment is necessary to sustain life or avoid significant injury and morbidity.

~~((4))~~ ~~(5)~~ "Immediate supervision" means the supervisor is in audible and visual range of the animal patient and the person treating the patient.

~~((5))~~ ~~(6)~~ "Indirect supervision" means the supervisor is not on the premises, but has given either written or oral instructions for treatment of the animal patient and the animal patient has been examined by a veterinarian at such times as acceptable veterinary medical practice requires, consistent with the particular delegated animal health care task and the animal patient is not anesthetized.

~~((6))~~ ~~(7)~~ "Licensed veterinary technician" means any person who has met the requirements of RCW 18.92.015 and who is licensed as required by chapter 18.92 RCW.

~~(8)~~ "Supervisor" means a veterinarian or (~~, if a task so provides,~~) a licensed veterinary technician.

~~((7))~~ ~~(9)~~ "Unregistered assistant" means any individual who is not a veterinary technician or veterinarian.

~~((8))~~ (10) "Veterinarian" means a person authorized by chapter 18.92 RCW to practice veterinary medicine in the state of Washington.

~~((9))~~ (11) "Veterinary medical facility" is ~~(as defined by WAC 246-933-310)~~ any premises, unit, structure or vehicle where any animal patient is received and/or confined, in order to provide veterinary medicine, surgery, or dentistry as defined in RCW 18.92.010.

AMENDATORY SECTION (Amending WSR 02-02-046, filed 12/27/01, effective 1/27/02)

WAC 246-935-040 Responsibilities of a veterinarian supervising a licensed veterinary technician or an unregistered assistant. (1) A veterinarian must not delegate:

(a) ~~(Permit)~~ To any licensed veterinary technician ~~((in his/her employ to perform))~~ the performance of any animal health care services not authorized by WAC 246-935-040 or 246-935-050.

(b) ~~(Permit)~~ To any unregistered assistant ~~((to perform))~~ the performance of any animal health care services not authorized by WAC 246-935-040 or 246-935-050.

(2) The supervising veterinarian shall:

(a) Have legal responsibility for the health, safety and welfare of the animal patient which the licensed veterinary technician or unregistered assistant serves.

(b) Delegate animal health care tasks only if the licensed veterinary technician or unregistered assistant is qualified to perform the task, and the task is not precluded by the medical condition of the animal patient.

(c) Use the level of supervision required for a specific task.

(d) Make all decisions relating to the diagnosis, treatment, management, and future disposition of an animal patient.

(e) Limit the number of unregistered assistants under indirect supervision to ~~((two at any single time))~~ that which is appropriate for the circumstances.

(f) Allow licensed veterinary technicians and unregistered assistants the right and responsibility to refuse to perform duties they are not legally or technically able to perform.

(3) A supervising veterinarian shall examine the animal patient prior to the delegation of any animal health care task to either a licensed veterinary technician or unregistered assistant. The examination of the animal patient must be conducted at the times and in the manner consistent with veterinary medicine practice, and the particular delegated animal health care task.

(4) If a licensed veterinary technician is authorized~~(;)~~ to provide supervision for an unregistered assistant performing a specified health care task, the licensed veterinary technician shall be under the same degree of supervision by the veterinarian, as if the licensed veterinary technician were performing the task.

~~((5))~~ Unless specifically allowed by regulation, a veterinarian shall not authorize a veterinary technician or an unregistered assistant to perform the following functions:

(a) ~~Surgery, other than outlined in WAC 246-935-050~~
(1)(a);

~~(b) Diagnosis and prognosis of animal disease;
(c) Prescribing of drugs, medicines and appliances.))~~

AMENDATORY SECTION (Amending WSR 08-11-099, filed 5/20/08, effective 6/20/08)

WAC 246-935-050 Animal health care tasks. ~~((+))~~
~~**Veterinary technicians.))**~~

No individual, other than a licensed veterinary technician, may advertise or offer her/his services in a manner calculated to lead others to believe that she/he is a trained or licensed veterinary technician.

(1) Licensed veterinary technicians and unregistered assistants are prohibited from performing the following activities:

~~(a) Surgery except as outlined below;~~

~~(b) Diagnosis and prognosis;~~

~~(c) Prescribing drugs, medication or appliances;~~

~~(d) Initiation of treatment without prior instruction by a veterinarian except as outlined under emergency animal care.~~

~~((+))~~ (2) Immediate supervision. Unregistered assistants are not authorized to perform the tasks in this section. A licensed veterinary technician may perform the following tasks only under the immediate supervision of a veterinarian:

~~((i) Assist veterinarian in surgery by tissue handling;~~

~~(ii) Assist veterinarian in surgery by instrument handling;~~

~~(iii) Dental extractions;~~

(b) Direct supervision. A veterinary technician may perform the following tasks under the direct supervision of a veterinarian:

~~(i) Endotracheal intubation;~~

~~(ii) Blood administration;~~

~~(iii) Fluid aspiration, including cystocentesis;~~

~~(iv) Intraperitoneal injections;~~

~~(v) Monitoring of vital signs of anesthetized patient;~~

~~(vi) Application of splints;~~

~~(vii) Induce anesthesia by intravenous, intramuscular, or subcutaneous injection or by inhalation;~~

~~(viii) Administration of immunological agents including rabies vaccination;~~

~~(ix) Catheterization of the unobstructed bladder;~~

~~(x) Ophthalmological procedure including:~~

~~(A) Tear production testing~~

~~(B) Topical anesthetic application~~

~~(C) Fluorescein staining of the cornea~~

~~(D) Tonometry;~~

~~(xi) Teeth cleaning, provided an oral examination of the anesthetized patient has been conducted by the veterinarian;~~

~~(xii) Microchip implantation;~~

~~(xiii) Floating teeth;~~

~~(xiv) Removal of partially exposed foxtails and porcupine quills;~~

~~(xv) Provide massage;~~

~~(xvi) Suturing. The use of a needle, cutting or tapered, and suture material, staples, wound clips or tissue glue to close a skin or gingival incision or prepared wound as directed by the attending licensed veterinarian under direct supervision. Suturing may include the use of needle holders, thumb forceps, tissue forceps, retractors and comparable~~

instruments for gentle handling of the tissues to be repaired/closed by such suturing. Suturing does not include the use of cutting instruments such as scalpels, scissors, electrosurgical equipment or other instruments to remove skin or other tissues from the animal patient.

(e) Indirect supervision. A veterinary technician may perform the following tasks under the indirect supervision of a veterinarian. If the animal is anesthetized, these tasks require the direct supervision of a veterinarian:

- (i) Enema;
 - (ii) Electrocardiography;
 - (iii) Application of bandages;
 - (iv) Gavage;
 - (v) Ear flush;
 - (vi) Radiology;
 - (A) Patient positioning;
 - (B) Operation of radiograph machines;
 - (C) Oral and rectal administration of radio-opaque materials;
 - (vii) Placement and securing of an intravenous catheter;
 - (viii) Injections of medications not otherwise prohibited:
 - (A) Intramuscular, excluding immunological agents
 - (B) Subcutaneous, excluding immunological agents
 - (C) Intravenous, including giving medication through an established intravenous catheter;
 - (ix) Oral medications;
 - (x) Topical medications;
 - (xi) Laboratory (specimen collections):
 - (A) Collection of tissue during or after a veterinarian has performed a necropsy
 - (B) Urine, except cystocentesis
 - (C) Blood
 - (D) Parasitology
 - (E) Exfoliative cytology
 - (F) Microbiology
 - (G) Fecal material
 - (xii) Laboratory (specimen testing):
 - (A) Urinalysis
 - (B) Hematology
 - (C) Serology
 - (D) Chemistries
 - (E) Endocrinology
 - (F) Parasitology
 - (G) Exfoliative cytology
 - (H) Microbiology
 - (I) Fecal analysis;
 - (xiii) Administration of preanesthetic drugs;
 - (xiv) Oxygen therapy;
 - (xv) Euthanasia in all circumstances as otherwise allowed by law;
 - (xvi) Removal of sutures;
 - (xvii) Indirect blood pressure measurement;
 - (xviii) Obtaining a general history from a client of a patient and the client's concerns regarding that patient;
 - (xix) Preliminary physical examination including temperature, pulse and respiration;
 - (xx) Behavioral consultation with clients;
 - (xxi) Dietary consultation with clients.
- (2) **Unregistered assistants.**

Induction of anesthesia by any method is prohibited.

(a) Immediate supervision by veterinarian. An unregistered assistant may perform the following tasks only under the immediate supervision of a veterinarian:

- (i) Assist veterinarian in surgery by tissue handling;
- (ii) Assist veterinarian in surgery by instrument handling.

(b) Immediate supervision by veterinarian or veterinary technician. An unregistered assistant may perform the following tasks only under the immediate supervision of either a veterinarian or veterinary technician:

- (i) Blood administration;
- (ii) Laboratory (specimen collections):
- (A) Hematology
- (B) Exfoliative cytology, including skin scraping
- (C) Microbiology
- (D) Serology;
- (iii) Placement and securing of an intravenous catheter.

(c) Direct supervision by veterinarian. An unregistered assistant may perform the following tasks only under the direct supervision of a veterinarian:

- (i) Monitor vital signs of anesthetized patient;
- (ii) Euthanasia in all circumstances as otherwise allowed by law;
- (iii) Removal of sutures;
- (iv) Teeth cleaning, provided an oral examination of the anesthetized patient has been conducted by the veterinarian;
- (v) Provide massage;
- (vi) Administration of immunological agents including rabies vaccination;
- (vii) Microchip implantation;
- (viii) Enema;
- (ix) Removal of partially exposed foxtails and porcupine quills from skin and feet.

(d) Direct supervision by veterinarian or veterinary technician. An unregistered assistant may perform the following tasks under direct supervision of either a veterinarian or veterinary technician. If the animal is anesthetized, these tasks require immediate supervision of a veterinarian or a veterinary technician:

- (i) Application of bandages;
- (ii) Ear flush;
- (iii) Electrocardiography;
- (iv) Intramuscular or subcutaneous injections of medications not otherwise prohibited;
- (v) Laboratory (test preparation, not evaluation):
- (A) Parasitology
- (B) Serology
- (C) Urinalysis;
- (vi) Preliminary physical examination including temperature, pulse and respiration;
- (vii) Radiology:
- (A) Patient positioning
- (B) Operation of radiograph machines
- (C) Rectal and oral administration of radio-opaque materials.

(e) Indirect supervision. An unregistered assistant may perform the following tasks under the indirect supervision of a veterinarian. If the animal is anesthetized, these tasks require the direct supervision of a veterinarian:

- (i) Oral medications;

(ii) Topical medications;
 (iii) Laboratory (specimen collection):
 Collecting of voided urine and fecal material;
 (iv) Oxygen therapy;
 (v) Obtaining a general history from a client of a patient and the client's concerns;

(vi) Behavioral consultation with clients;
 (vii) Dietary consultation with clients.

(3) Emergency animal care.

(a) Under conditions of an emergency, a veterinary technician and unregistered assistant may render certain life saving aid to an animal. A veterinary technician may:

(i) Apply tourniquets and/or pressure bandages to control hemorrhage;

(ii) Administer pharmacologic agents to prevent or control shock. Placement of an intravenous catheter and administering parenteral fluids, must only be performed after direct communication with a veterinarian, and only if the veterinarian is either present or immediately en route to the location of the distressed animal;

(iii) Administer resuscitative oxygen procedures;

(iv) Establish open airways including the use of intubation appliances, but excluding surgery;

(v) Administer external cardiac resuscitation;

(vi) Apply temporary splints or bandages to prevent further injury to bones or soft tissues;

(vii) Apply appropriate wound dressings and external supportive treatment in severe burn cases;

(viii) Apply external supportive treatment to stabilize body temperature.

(b) An unregistered assistant may:

(i) Apply tourniquets and/or pressure bandages to control hemorrhage;

(ii) Administer resuscitative oxygen procedures;

(iii) Establish open airways including intubation appliances, but excluding surgery;

(iv) Apply external supportive treatment to stabilize body temperature.) Dental extractions.

(3) Direct supervision. Unregistered assistants are not authorized to perform the tasks in this section. A licensed veterinary technician may perform the following tasks only under the direct supervision of a veterinarian:

(a) Anesthesia:

(i) Induction, including preanesthesia;

(ii) Maintenance;

(iii) Monitoring.

(b) Application of casts and splints;

(c) Floating teeth;

(d) Intraperitoneal injections;

(e) Blood administration;

(f) Closure, including suturing, of prepared skin wound or gingival incision;

(g) Arterial and central venous catheters.

(4) Indirect supervision. Unregistered assistants are not authorized to perform the tasks in this section. A licensed veterinary technician may perform the following tasks only under the indirect supervision of a veterinarian:

(a) Intravenous injections into uncatheterized vein;

(b) Centesis, including fine needle aspirates;

(c) Unobstructed bladder catheter;

(d) Diagnostic procedures:

(i) Fecal analysis;

(ii) Electrocardiograms;

(iii) Blood pressure;

(iv) Cytology analysis, including urinalysis and hematology;

(v) Microbiology.

(e) Placement and use of nasogastric and orogastric tubes for gavage, lavage, or reflux;

(f) Ophthalmological procedures:

(i) Tear production testing;

(ii) Topical anesthetic application;

(iii) Fluorescein staining of the cornea;

(iv) Tonometry.

(g) Tasks authorized to be performed under immediate or direct supervision for unregistered assistants, may be performed by licensed veterinary technicians under indirect supervision unless otherwise restricted.

(5) Immediate supervision for unregistered assistants.

An unregistered assistant may perform the following tasks only under the immediate supervision of a veterinarian or licensed veterinary technician:

(a) Place and secure an intravenous catheter;

(b) Monitor vital signs of an anesthetized patient;

(c) Dental prophylaxis.

(6) Direct supervision for unregistered assistant. An unregistered assistant may perform the following tasks only under the direct supervision of a veterinarian or licensed veterinary technician:

(a) Intravenous injection into catheterized vein;

(b) Biologics injections (vaccines) with the veterinarian's verification signature on appropriate certificate;

(c) Imaging procedures;

(d) Removal of sutures, drain tubes and staples;

(e) Bandaging;

(f) Removal of exposed foreign bodies;

(g) Lab sample collection and test preparation (not evaluation) to include:

(i) Venipuncture;

(ii) Skin scraping.

(h) Microchip implantation;

(i) Enema;

(j) Ear flush;

(k) Perform electrocardiogram and blood pressure measurements;

(l) Intramuscular and subcutaneous injection;

(m) Massage except where regulated.

(7) Indirect supervision for unregistered assistants. An unregistered assistant must always be under the indirect supervision of a veterinarian or licensed veterinary technician, except as listed in subsections (5) and (6) of this section. Tasks not specifically listed or otherwise restricted may be performed by a licensed veterinary technician or unregistered assistant under the indirect supervision of a veterinarian.

(8) To be authorized to dispense pharmaceuticals, unregistered assistants must be registered as a veterinary medication clerk under chapter 246-937 WAC.

(9) Emergency animal care. Under conditions of an emergency, a licensed veterinary technician and unregistered

assistant may render certain life saving aid to an animal patient.

(a) A licensed veterinary technician may:

(i) Apply emergency cardiopulmonary resuscitation and first aid procedures and all tasks as listed in subsections (3), (4), (5), and (6) of this section:

(ii) Administer pharmacologic agents and parenteral fluids only after communication with a veterinarian.

(b) An unregistered assistant may:

(i) Apply noninvasive cardiopulmonary resuscitation and basic first aid procedures:

(ii) Provide other aid upon the order of a licensed veterinarian as outlined in this section.

WSR 09-15-122

PERMANENT RULES

DEPARTMENT OF

FISH AND WILDLIFE

[Filed July 17, 2009, 12:47 p.m., effective August 17, 2009]

Effective Date of Rule: Thirty-one days after filing.

Purpose: Amending WAC 232-28-285 2009-2010 Pilot cougar hunting seasons with the aid of dogs and 220-55-115 Recreational license dealer's fees.

Citation of Existing Rules Affected by this Order: Amending WAC 232-28-285 and 220-55-115.

Statutory Authority for Adoption: RCW 77.12.047, 77.12.040, 77.12.020, 77.12.570, 77.12.210.

Adopted under notice filed as WSR 09-09-133 on April 22, 2009.

Changes Other than Editing from Proposed to Adopted Version: WAC 232-28-285 Pilot cougar hunting seasons with the aid of dogs.

Changes, if any, from the text of the proposed rule and reasons for difference:

- Change the title of the WAC from WAC 232-28-285 2010 Pilot cougar hunting seasons with the aid of dogs to WAC 232-28-285 2009-2010 Pilot cougar hunting seasons with the aid of dogs.

This change is because the department is recommending the cougar season open December 19, 2009, so the title needs to reflect the appropriate years.

- Under subsection (2), change the opening day from January 5, 2010, to December 19, 2009. This change is in response to public testimony (original recommendation was Jan. 5, 2010 opening day).

Under subsection (2), add: ; EXCEPT GMUs 101, 105, and 204 where cougar may be pursued or killed from January 1, 2010, until the female zone quota has been killed, the total zone quota has been killed, or March 31, 2010, whichever occurs first.

This change is to accommodate the ongoing cougar DNA project in the hunt zone which occurs from late November to December 31, 2009.

- Change the area descriptions and quota levels for Ferry-Okanogan and Stevens-Pend Oreille zones from:

CMU	Hunt Choice	Hunt Zone	Area Description	QUOTA	
				Total	Female
Northeastern	9003	Ferry-Okanogan	GMUs 101, 204	16	6
	9004	Stevens-Pend Oreille	Those portions of GMUs 105, 108, 111, 113, 117, 121 within Stevens and Pend Oreille counties	23	9

To:

CMU	Hunt Choice	Hunt Zone	Area Description	QUOTA	
				Total	Female
Northeastern	9003	Ferry-Okanogan	GMUs 101, 105, 204	20	8
	9004	Stevens-Pend Oreille	Those portions of GMUs 108, 111, 113, 117, 121 within Stevens and Pend Oreille counties	19	7

The purpose of the change is because GMU 105 is now a part of the Ferry-Okanogan zone and not the Stevens-Pend Oreille zone; due to similar habitat conditions, elevations, and road density. As such, a portion of the zone quota was shifted from Stevens-Pend Oreille zone to Ferry-Okanogan zone.

A final cost-benefit analysis is available by contacting Lori Preuss, 600 Capitol Way North, Olympia, WA 98501-1091, phone (360) 902-2930, fax (360) 902-2155, e-mail lori.preuss@dfw.wa.gov.

Number of Sections Adopted in Order to Comply with Federal Statute: New 0, Amended 0, Repealed 0; Federal Rules or Standards: New 0, Amended 0, Repealed 0; or

Recently Enacted State Statutes: New 0, Amended 0, Repealed 0.

Number of Sections Adopted at Request of a Nongovernmental Entity: New 0, Amended 0, Repealed 0.

Number of Sections Adopted on the Agency's Own Initiative: New 2, Amended 0, Repealed 0.

Number of Sections Adopted in Order to Clarify, Streamline, or Reform Agency Procedures: New 0, Amended 0, Repealed 0.

Number of Sections Adopted Using Negotiated Rule Making: New 0, Amended 0, Repealed 0; Pilot Rule Making: New 0, Amended 0, Repealed 0; or Other Alternative Rule Making: New 0, Amended 0, Repealed 0.

Date Adopted: July 10, 2009.

Miranda Wecker, Chair
Fish and Wildlife Commission

AMENDATORY SECTION (Amending Order 04-216, filed 8/17/04, effective 9/17/04)

WAC 220-55-115 Recreational license dealer's fees.

License dealers may charge a license issuance fee as follows:

(1) Two dollars for the issuance of any of the following fishing licenses:

- (a) A combination license.
- (b) A saltwater license.
- (c) A freshwater license.
- (d) A two-day temporary fishing license.
- (e) A family fishing weekend license.
- (f) A shellfish and seaweed license.
- (g) A razor clam license.

(2) Two dollars for the issuance of any of the following hunting licenses:

- (a) A big game combination license.
- (b) A small game license.
- (c) A three-consecutive day small game license.

(3) Two dollars for the issuance of a fish and wildlife lands vehicle use permit when issued separately from an annual freshwater, saltwater or combination fishing license, or separately from an annual small game hunting license, big game combination license, or trapping license.

(4) Notwithstanding the provisions of this section, if any two or more licenses are issued at the same time, or the fish and wildlife lands vehicle use permit is issued with any recreational license, the license issuance fee for the document is two dollars.

(5) Fifty cents for the issuance of any of the following:

- (a) A deer, elk, bear, cougar, mountain goat, mountain sheep, moose, or turkey transport tag.
- (b) A state of Washington migratory bird stamp.
- (c) A Western Washington pheasant permit.
- (d) An application for a special permit hunt.
- (e) A migratory bird hunting authorization (including harvest report card).

AMENDATORY SECTION (Amending Order 08-197, filed 8/13/08, effective 9/13/08)

WAC 232-28-285 ((2008-) 2009-2010 Pilot cougar hunting seasons with the aid of dogs. As used in this section and in the context of pilot cougar hunting seasons, the following definitions apply:

"Accompany" means the dog handler and permit hunter must be in the physical presence of each other at the time dogs are released from a leash or unrestrained or starting a cougar track.

"Pursue" or "pursuit" means dogs are:

- Not on a leash or restrained; or
- Starting a cougar track; or
- In the act of tracking a cougar; or
- At a treed cougar.

Transporting dogs in a motorized vehicle or walking a dog on a leash is not pursuit.

"Dog ((~~owner~~) handler)" means a person that owns ((~~and~~) or) hunts with dogs that are capable of detecting, tracking and treeing a cougar.

"Quota" means the targeted harvest goal. The actual harvest level may exceed the quota.

"Kill permit" allows a hunter to pursue or kill cougar.

"Pursuit permit" allows a hunter to pursue cougar.

(1) The pilot cougar-hunting season will allow use of dogs to hunt cougar. The hunts will consist of pursuit-or-kill seasons and pursuit-only seasons((~~and are allowed only in Klickitat, Chelan, Okanogan, Ferry, Stevens, and Pend Oreille counties~~)).

(2) Pursuit-or-kill seasons:

Cougar may be pursued or killed with the aid of dogs from December ((~~1, 2008~~)) 19, 2009, until the female zone quota has been killed, the total zone quota has been killed, or March 31, ((~~2009~~)) 2010, whichever occurs first; EXCEPT GMUs 101, 105, and 204 where cougar may be pursued or killed from January 1, ((~~2009~~)) 2010, until the female zone quota has been killed, the total zone quota has been killed, or March 31, ((~~2009~~)) 2010, whichever occurs first.

(3) Pursuit-only seasons:

(a) If a zone quota is killed prior to March 31, ((~~2009~~)) 2010, cougar may be pursued with dogs in all or portions of that zone until March 31, ((~~2009~~)) 2010. Hunters may only pursue cougars in designated pursuit only areas identified on their kill or pursuit-only permit. Hunters may not kill cougar during pursuit-only seasons.

(b) Hunters selected for the pursuit-or-kill season (accompanied by up to three of their identified handlers) may participate in a pursuit-only season. Permit hunters that harvest a cougar under a kill permit may continue to pursue cougars until March 31. If a zone quota is killed, the department may also issue pursuit-only permit to hunters drawn at random from the unselected pool of applicants. The director will identify the number of pursuit-only hunters selected.

(4) Hunt areas and kill quotas:

Cougar seasons will be based on a quota system, where permit hunters ((~~using dogs~~)) may hunt and kill cougar until the allotted numbers of cougar have been killed from each hunt zone or March 31, ((~~2009~~)) 2010, whichever occurs first.

(a) Kill quotas start September 1 and will include all cougar killed during seasons with and without the aid of dogs, including cougar seasons under this section, cougar seasons without the aid of dogs authorized under WAC 232-28-272 and 232-28-287, depredation permits, landowner kill permits, and WDFW depredation authority.

(b) Individual problem cougar will continue to be killed on an as-needed basis utilizing depredation permits, landowner kill permits, and WDFW depredation authority even if these kills result in exceeding a zone quota.

CMU	Hunt Choice	Hunt Zone	Area Description	QUOTA	
				Total	Female
East Cascades North	9001	Okanogan	Those portions of GMUs 203, 209, 215, 218, 233, 224, 231, 239, and 242 within Okanogan County	17	7
	9002	Chelan	Those portions of GMUs 243, 244, 245, 246, 247, 249, 250, and 251 within Chelan County	6	2
Northeastern	9003	Ferry-Okanogan	GMUs 101, <u>105</u> , 204	((16)) <u>20</u>	((6)) <u>8</u>
	9004	Stevens-Pend Oreille	Those portions of GMUs ((105,)) 108, 111, 113, 117, 121 within Stevens and Pend Oreille counties	((23)) <u>19</u>	((9)) <u>7</u>
East Cascades South	9005	Klickitat	Those portions of GMUs 382, 388, 578 within Klickitat County	6	2

(5) Quota hotline:

Permit hunters participating in a pursuit-or-kill season must call the toll free cougar quota hotline within twenty-four hours prior to each day hunting cougar to determine if the zone quota has been killed and the zone is closed. Hunters who hunt more than one consecutive day must call the quota hotline once daily to determine if the zone quota is killed. Hunters who harvest a cougar with the aid of dogs must notify the department within twenty-four hours of kill (excluding legal state holidays) and provide the hunter's name, date and location of kill, and sex of animal. The raw pelt of a cougar, with proof of sex naturally attached, must be sealed by an authorized department employee within five days of the notification of kill. Any person who takes a cougar must present the cougar skull in such a manner that teeth and biological samples can be extracted to an authorized department employee at the time of sealing.

(6) Kill or pursuit-only permit eligibility:

~~((a))~~ (a) ~~((To apply for a kill or pursuit-only permit under this section, individuals must sign an affidavit provided by the department, certifying under penalty of false swearing under RCW 9A.72.040 that they are a dog owner. The affidavit must be mailed to WDFW by the date and time identified by the director. Individuals not registered as a dog owner will not be issued a permit.~~

~~((b))~~ (b) To apply for a kill or pursuit-only permit under this section, individuals must purchase a cougar permit application and submit the application in compliance with WAC 232-28-291 by a date and time identified by the director.

~~((c))~~ (c) To be eligible for a permit, the participant must be a Washington resident who at the time of application for a permit possesses a valid big game license with cougar as a species option. The permit holder ~~((must))~~ may use dogs while participating in a cougar hunt under this section.

~~((d))~~ (d) A permit will not be issued to any person who has been convicted of unlawful use of dogs under RCW 77.15.245 within the five-year period prior to December 1, 2004. Any person issued a permit and who is subsequently convicted of any wildlife offense while participating in a pursuit-or-kill or pursuit-only season, or who violates any condition of the permit, will have the permit revoked and will be ineligible to participate in the remainder of the pilot program.

(7) Permit issuance procedure:

(a) The number of kill permits ~~((for a pursuit-or-kill season with the aid of dogs))~~ may be established by the director, but will not exceed two times the total cougar quota for each hunt zone.

(b) The department will issue kill or pursuit-only permits to the persons whose applications are drawn at random. Individuals selected will be notified by telephone or mail. Kill and pursuit-only permits may not be sold or reassigned.

(c) If a female zone quota or total zone quota is not killed in a hunt zone by ~~((January))~~ February 15 (or sooner as identified by the director), then the department may issue kill permits to additional hunters. Hunters will be drawn at random from the unselected pool of applicants ~~((and must be a resident of one of the participating counties))~~.

(8) Qualifications for participation and requirements:

In addition to the provisions applicable to all cougar hunters:

(a) Successful applicants must complete a training program prior to participating in a pursuit-or-kill season or pursuit-only season with the aid of dogs.

(b) Participants must have their permit issued by the department in their possession while hunting cougar.

(c) Individuals selected for a kill permit may kill and possess one cougar per permit and only the permittee may kill the cougar ~~((s))~~.

(d) Individuals selected for a cougar kill or pursuit-only permit may use dog handlers. However, no more than three handlers may accompany the permittee while hunting or pursuing cougar. Dog handlers may not pursue cougar when the permit hunter is not present at the time the dogs are released from a leash or unrestrained. Dog handlers must have a dog handler identification card, issued by the department, in their possession while participating in a pursuit-or-kill season or pursuit-only season.

(e) Dog handlers must ~~((be a Washington resident and))~~ possess a valid Washington hunting license.

(f) It is unlawful to kill or possess spotted cougar kittens or adult cougars accompanied by spotted kittens.

(g) Participants must have a vehicle placard issued by the department. The vehicle placard must be placed in the permittee's and dog handler's vehicles and be visible from out-

side the vehicles at all times while hunting or pursuing cougar.

(h) Kill and pursuit-only permit hunters are required to report their hunting activity, whether they harvest a cougar or not, using the toll free cougar quota hotline. Unsuccessful hunters must report their hunting activity by April 10, 2009. A violation of this requirement under this subsection is punishable as an infraction under RCW 77.15.160.

(9) The permit belongs to the state of Washington. The permit holder may be required to return to or turn over to the department the permit when, in the judgment of the department, the permit holder violates any conditions of the permit, violates trespass laws while acting under this permit, or violates any other criminal law or hunting regulation of the state while acting under this permit. If the permit holder is required to return to or turn over to the department the permit, the permit holder may request an appeal of that action in accordance with chapter 34.05 RCW. Appeal request shall be filed in writing and returned within twenty days of the date of action and be addressed to WDFW Legal Services Office, 600 Capitol Way North, Olympia, Washington 98501-1091.

WSR 09-15-124

PERMANENT RULES

DEPARTMENT OF LICENSING

[Filed July 17, 2009, 4:56 p.m., effective August 17, 2009]

Effective Date of Rule: Thirty-one days after filing.

Purpose: The proposed rule change increases license fees to fund implementation and ongoing costs of legislative changes resulting from the passage of SSB 5273 and maintain a balanced budget for the landscape architect licensing program.

Citation of Existing Rules Affected by this Order: Amending WAC 308-13-150.

Statutory Authority for Adoption: RCW 18.96.080, 18.96.090, 18.96.100, 18.96.110, 43.24.086.

Adopted under notice filed as WSR 09-12-086 on June 1, 2009.

Number of Sections Adopted in Order to Comply with Federal Statute: New 0, Amended 0, Repealed 0; Federal Rules or Standards: New 0, Amended 0, Repealed 0; or Recently Enacted State Statutes: New 0, Amended 1, Repealed 0.

Number of Sections Adopted at Request of a Nongovernmental Entity: New 0, Amended 0, Repealed 0.

Number of Sections Adopted on the Agency's Own Initiative: New 0, Amended 0, Repealed 0.

Number of Sections Adopted in Order to Clarify, Streamline, or Reform Agency Procedures: New 0, Amended 0, Repealed 0.

Number of Sections Adopted Using Negotiated Rule Making: New 0, Amended 0, Repealed 0; Pilot Rule Making: New 0, Amended 0, Repealed 0; or Other Alternative Rule Making: New 0, Amended 0, Repealed 0.

Date Adopted: June 17, 2009.

Ralph Osgood
Assistant Director

AMENDATORY SECTION (Amending WSR 07-05-039, filed 2/15/07, effective 3/18/07)

WAC 308-13-150 Landscape architect fees and charges. The following fees will be collected:

Title of Fee	Fee
Application fee	((\$50.00)) <u>\$250.00</u>
Reexamination administration fee	((\$50.00)) <u>250.00</u>
Renewal (2 years)	((200.00)) <u>450.00</u>
Late renewal penalty	((100.00)) <u>150.00</u>
Duplicate license	25.00
Initial registration (2 years)	((200.00)) <u>450.00</u>
Reciprocity application fee	((200.00)) <u>450.00</u>
Replacement wall certificate	20.00

WSR 09-15-127

PERMANENT RULES

SUPERINTENDENT OF PUBLIC INSTRUCTION

[Filed July 20, 2009, 11:33 a.m., effective August 20, 2009]

Effective Date of Rule: Thirty-one days after filing.

Purpose: These rule revisions expand the definition of "nondegreed" to provide a clearer standard/criteria of what constitutes a nondegreed vocational/career and technical education (CTE) instructional employee.

Citation of Existing Rules Affected by this Order: Amending WAC 392-121-250.

Statutory Authority for Adoption: RCW 28A.150.290 (1).

Adopted under notice filed as WSR 09-09-007 on April 2, 2009.

Number of Sections Adopted in Order to Comply with Federal Statute: New 0, Amended 0, Repealed 0; Federal Rules or Standards: New 0, Amended 0, Repealed 0; or Recently Enacted State Statutes: New 0, Amended 0, Repealed 0.

Number of Sections Adopted at Request of a Nongovernmental Entity: New 0, Amended 0, Repealed 0.

Number of Sections Adopted on the Agency's Own Initiative: New 0, Amended 1, Repealed 0.

Number of Sections Adopted in Order to Clarify, Streamline, or Reform Agency Procedures: New 0, Amended 1, Repealed 0.

Number of Sections Adopted Using Negotiated Rule Making: New 0, Amended 0, Repealed 0; Pilot Rule Making: New 0, Amended 0, Repealed 0; or Other Alternative Rule Making: New 0, Amended 0, Repealed 0.

Date Adopted: July 20, 2009.

Randy I. Dorn
State Superintendent

AMENDATORY SECTION (Amending WSR 08-08-033, filed 3/25/08, effective 4/25/08)

WAC 392-121-250 Definition—Highest degree level. As used in this chapter, the term "highest degree level" means:

- (1) The highest degree earned by the employee from a regionally accredited institution of higher education;
- (2) "Nondegreed" for a certificated instructional employee who holds no bachelor's or higher level degree; or
- (3) "Nondegreed" for a certificated instructional employee who holds a valid vocational/career and technical education certificate (~~((acquired as the result of industrial experience rather than college training pursuant to WAC 181-77-041))~~): Provided, That the employee has obtained no other past or present education certificate or permit in which a degree is required pursuant to chapter 181-79A WAC.

WSR 09-15-139

PERMANENT RULES

DEPARTMENT OF AGRICULTURE

[Filed July 21, 2009, 9:03 a.m., effective August 21, 2009]

Effective Date of Rule: Thirty-one days after filing.

Purpose: The proposal adopts federal changes for use of glove liners. It removes language about hazardous material training from the department of agriculture's rules, and changes references to labor and industries regulations to current WAC numbers.

This proposal incorporates the changes to the federal worker protection standards into state rules in order to be consistent with other requirements in Washington state law. The Washington state department of labor and industries is also adopting the rules to be consistent with the federal statute and the Washington state department of agriculture as directed by the legislature.

Citation of Existing Rules Affected by this Order: Amending WAC 16-233-001, 16-233-025, 16-233-120, 16-233-140, 16-233-225, and 16-233-245.

Statutory Authority for Adoption: Chapters 15.58 and 17.21 RCW.

Adopted under notice filed as WSR 09-11-072 on May 15, 2009.

Number of Sections Adopted in Order to Comply with Federal Statute: New 0, Amended 6, Repealed 0; Federal Rules or Standards: New 0, Amended 0, Repealed 0; or Recently Enacted State Statutes: New 0, Amended 0, Repealed 0.

Number of Sections Adopted at Request of a Nongovernmental Entity: New 0, Amended 0, Repealed 0.

Number of Sections Adopted on the Agency's Own Initiative: New 0, Amended 0, Repealed 0.

Number of Sections Adopted in Order to Clarify, Streamline, or Reform Agency Procedures: New 0, Amended 0, Repealed 0.

Number of Sections Adopted Using Negotiated Rule Making: New 0, Amended 0, Repealed 0; Pilot Rule Making: New 0, Amended 0, Repealed 0; or Other Alternative Rule Making: New 0, Amended 6, Repealed 0.

Date Adopted: July 21, 2009.

Dan Newhouse
Director

AMENDATORY SECTION (Amending Order 6002, filed 10/3/96, effective 11/3/96)

WAC 16-233-001 Federal worker protection standards—Washington state department of labor and industries. This chapter contains the federal Environmental Protection Agency worker protection standards as listed in 40 CFR, Part 170. Revisions to the federal language have been incorporated into this chapter in order to be consistent with other requirements of Washington state law. These rules are adopted in conjunction with rules adopted by the Washington state department of labor and industries in chapter (~~(296-306A)~~) 296-307 WAC, Part I.

AMENDATORY SECTION (Amending Order 6002, filed 10/3/96, effective 11/3/96)

WAC 16-233-025 Violations of this chapter—Worker protection standards—40 CFR, § 170.9. (1) RCW 15.58.150 (2)(c) provides that it is unlawful for any person ". . . to use or cause to be used any pesticide contrary to label directions . . ." When 40 CFR, Part 170 is referenced on a label, users must comply with all of its requirements except those that are inconsistent with product specific instructions on the labeling. For purposes of this chapter, the term "use" is interpreted to include:

(a) Preapplication activities, including, but not limited to:

- (i) Arranging for the application of the pesticide;
- (ii) Mixing and loading the pesticide; and
- (iii) Making necessary preparations for the application of the pesticide, including responsibilities related to worker notification, training of handlers, decontamination, use and care of personal protective equipment, emergency information, and heat stress management.

(b) Application of the pesticide.

(c) Post-application activities necessary to reduce the risks of illness and injury resulting from handlers' and workers' occupational exposures to pesticide residues during the restricted-entry interval plus thirty days. These activities include, but are not limited to, responsibilities related to worker training, notification, and decontamination.

(d) Other pesticide-related activities, including, but not limited to, providing emergency assistance, transporting or storing pesticides that have been opened, and disposing of excess pesticides, spray mix, equipment wash waters, pesticide containers, and other pesticide-containing materials.

(2) A person who has a duty under this chapter, as referenced on the pesticide product label, and who fails to perform that duty, violates RCW 15.58.330 and 17.21.315, and is subject to civil penalties under RCW 15.58.335, 15.58.260 and 17.21.315.

(3) FIFRA section 14 (b)(4) provides that a person is liable for a penalty under FIFRA if another person employed by or acting for that person violates any provision of FIFRA. The term "acting for" includes both employment and contractual relationships.

(4) The requirements of this chapter, including the decontamination requirements, shall not, for the purposes of section 653 (b)(1) of Title 29 of the U.S. Code, be deemed to be the exercise of statutory authority to prescribe or enforce standards or regulations affecting the general sanitary hazards addressed by the WISHA Field Sanitation Standard, WAC ((~~296-24-120~~) 296-307-095), or other agricultural, nonpesticide hazards.

AMENDATORY SECTION (Amending Order 6002, filed 10/3/96, effective 11/3/96)

WAC 16-233-120 Entry restrictions—Standards for workers—40 CFR, § 170.112. (1) General restrictions.

(a) After the application of any pesticide on an agricultural establishment, the agricultural employer shall not allow or direct any worker to enter or to remain in the treated area before the restricted-entry interval specified on the pesticide labeling has expired, except as provided in this section.

(b) Entry-restricted areas in greenhouses are specified in column D in Table 2 under WAC 16-233-115 (3)(d).

(c) When two or more pesticides are applied at the same time, the restricted-entry interval shall be the longest of the applicable intervals.

(d) The agricultural employer shall assure that any worker who enters a treated area under a restricted-entry interval as permitted by subsections (3), (4), and (5) of this section uses the personal protective equipment specified in the product labeling for early entry workers and follows any other requirements on the pesticide labeling regarding early entry.

(2) Exception for activities with no contact. A worker may enter a treated area during a restricted-entry interval if the agricultural employer assures that both of the following are met:

(a) The worker will have no contact with anything that has been treated with the pesticide to which the restricted-entry interval applies, including, but not limited to, soil, water, air, or surfaces of plants; and

(b) No such entry is allowed until any inhalation exposure level listed in the labeling has been reached or any ventilation criteria established by WAC 16-233-115 (3)(c) or in the labeling have been met.

(3) Exception for short-term activities. A worker may enter a treated area during a restricted-entry interval for short-term activities if the agricultural employer assures that the following requirements are met:

(a) No hand labor activity is performed.

(b) The time in treated areas under a restricted-entry interval for any worker does not exceed one hour in any twenty-four-hour period.

(c) No such entry is allowed for the first four hours following the end of the application, and no such entry is allowed thereafter until any inhalation exposure level listed in the labeling has been reached or any ventilation criteria

established by WAC 16-233-115 (3)(c) or in the labeling have been met.

(d) The personal protective equipment specified on the product labeling for early entry is provided to the worker. Such personal protective equipment shall conform to the following standards:

(i) Personal protective equipment (PPE) means devices and apparel that are worn to protect the body from contact with pesticides or pesticide residues, including, but not limited to, coveralls, chemical-resistant suits, chemical-resistant gloves, chemical-resistant footwear, respiratory protection devices, chemical-resistant aprons, chemical-resistant headgear, and protective eyewear.

(ii) Long-sleeved shirts, short-sleeved shirts, long pants, short pants, shoes, socks, and other items of work clothing are not considered personal protective equipment for the purposes of this section and are not subject to the requirements of this section, although pesticide labeling may require that such work clothing be worn during some activities.

(iii) When "chemical-resistant" personal protective equipment is specified by the product labeling, it shall be made of material that allows no measurable movement of the pesticide being used through the material during use.

(iv) When "waterproof" personal protective equipment is specified by the product labeling, it shall be made of material that allows no measurable movement of water or aqueous solutions through the material during use.

(v) When a "chemical-resistant suit" is specified by the product labeling, it shall be a loose-fitting, one-piece or two-piece, chemical-resistant garment that covers, at a minimum, the entire body except head, hands, and feet.

(vi) When "coveralls" are specified by the product labeling, they shall be a loose-fitting, one-piece or two-piece garment, such as a cotton or cotton and polyester coverall, that covers, at a minimum, the entire body except head, hands, and feet. The pesticide product labeling may specify that the coveralls be worn over a layer of clothing. If a chemical-resistant suit is substituted for coveralls, it need not be worn over a layer of clothing.

(vii)(A) Gloves shall be of the type specified ((by)) on the pesticide product labeling. Gloves ((or glove liners)) made of leather, cotton, or other absorbent materials must not be worn for early-entry activities, unless gloves made of these materials are listed as acceptable for such use on the product labeling ((as acceptable for such use)). If chemical-resistant gloves with sufficient durability and suppleness are not obtainable ((for tasks with roses or other plants with sharp thorns)), leather gloves may be worn ((over)) on top of chemical-resistant ((liners)) gloves. However, once leather gloves have been worn for this use, ((thereafter)) they shall not be worn ((only with chemical-resistant liners)) thereafter for any other purpose, and they shall ((not)) only be worn ((for any other use)) over chemical-resistant gloves.

(B) Separable glove liners may be worn beneath chemical-resistant gloves, unless the pesticide product labeling specifically prohibits their use. Separable glove liners are defined as separate glove-like hand coverings made of lightweight material, with or without fingers. Work gloves made from lightweight cotton or poly-type material are considered to be glove liners if worn beneath chemical-resistant gloves.

Separable glove liners may not extend outside the chemical-resistant gloves under which they are worn. Chemical-resistant gloves with nonseparable absorbent lining materials are prohibited.

(C) If used, separable glove liners must be discarded immediately after a total of no more than ten hours of use or within twenty-four hours of when first put on, whichever comes first. The liners must be replaced immediately if directly contacted by pesticide. Used glove liners shall not be reused. Contaminated liners must be disposed of in accordance with any federal, state, or local regulations.

(viii) When "chemical-resistant footwear" is specified by the product labeling, it shall be one of the following types of footwear: Chemical-resistant shoes, chemical-resistant boots, or chemical-resistant shoe coverings worn over shoes or boots. If chemical-resistant footwear with sufficient durability and a tread appropriate for wear in rough terrain is not obtainable for workers, then leather boots may be worn in such terrain.

(ix) When "protective eyewear" is specified by the product labeling, it shall be one of the following types of eyewear: Goggles; face shield; safety glasses with front, brow, and temple protection; or a full-face respirator.

(x) When "chemical-resistant headgear" is specified by the product labeling, it shall be either a chemical-resistant hood or a chemical-resistant hat with a wide brim.

(e) The agricultural employer shall assure that the worker, before entering the treated area, either has read the product labeling or has been informed, in a manner that the worker can understand, of all labeling requirements related to human hazards or precautions, first aid, symptoms of poisoning, personal protective equipment specified for early entry, and any other labeling requirements related to safe use.

(f) The agricultural employer shall assure that:

(i) Workers wear the personal protective equipment correctly for its intended purpose and use personal protective equipment according to manufacturer's instructions.

(ii) Before each day of use, all personal protective equipment is inspected for leaks, holes, tears, or worn places, and any damaged equipment is repaired or discarded.

(iii) Personal protective equipment that cannot be cleaned properly is disposed of in accordance with any applicable federal, state, and local regulations.

(iv) All personal protective equipment is cleaned according to manufacturer's instructions or pesticide product labeling instructions before each day of reuse. In the absence of any such instructions, it shall be washed thoroughly in detergent and hot water.

(v) Before being stored, all clean personal protective equipment is dried thoroughly or is put in a well-ventilated place to dry.

(vi) Personal protective equipment contaminated with pesticides is kept separately and washed separately from any other clothing or laundry.

(vii) Any person who cleans or launders personal protective equipment is informed that such equipment may be contaminated with pesticides, of the potentially harmful effects of exposure to pesticides, and of the correct way(s) to handle and clean personal protective equipment and to protect them-

selves when handling equipment contaminated with pesticides.

(viii) All clean personal protective equipment is stored separately from personal clothing and apart from pesticide-contaminated areas.

(ix) Each worker is instructed how to put on, use, and remove the personal protective equipment and is informed about the importance of washing thoroughly after removing personal protective equipment.

(x) Each worker is instructed in the prevention, recognition, and first-aid treatment of heat-related illness.

(xi) Workers have a clean place(s) away from pesticide-storage and pesticide-use areas for storing personal clothing not in use; putting on personal protective equipment at the start of any exposure period; and removing personal protective equipment at the end of any exposure period.

(g) When personal protective equipment is required by the labeling of any pesticide for early entry, the agricultural employer shall assure that no worker is allowed or directed to perform the early entry activity without implementing, when appropriate, measures to prevent heat-related illness.

(h) During any early entry activity, the agricultural employer shall provide a decontamination site in accordance with WAC 16-233-150.

(i) The agricultural employer shall not allow or direct any worker to wear home or to take home personal protective equipment contaminated with pesticides.

(4) Declaration of an agricultural emergency.

(a) The director may declare the existence of circumstances causing an agricultural emergency on a particular establishment or establishments.

(b) The director may declare an agricultural emergency based on the reasonably expected certainty of circumstances occurring based on weather or other forecasts that would create conditions that would normally be anticipated to cause an agricultural emergency.

(c) The agricultural employer may determine if the establishment under his/her control is subject to the agricultural emergency declared by the director.

(d) Emergency repair of equipment that is in use and sited within a pesticide treated area under a restricted-entry interval, such as frost protection devices, shall be considered to be an agricultural emergency. ~~((The conditions in WAC 16-228-655 shall be met.))~~

(e) Activities that require immediate response such as fire suppression, relocation of greenhouse plants due to power failure, and similar conditions, shall be considered to be agricultural emergencies. ~~((The conditions in WAC 16-228-655 shall be met.))~~

(5) Agricultural activities permitted under an agricultural emergency.

(a) A worker may enter a pesticide treated area under a restricted-entry interval in an agricultural emergency to perform tasks, including hand labor tasks, necessary to mitigate the effects of the agricultural emergency if the agricultural employer assures that all the following requirements are met:

(i) No entry is permitted for the first four hours after the pesticide application or the minimum reentry interval allowed by EPA for that product, whichever is less;

(ii) The personal protective equipment specified on the product labeling for early entry is provided to the worker;

(iii) The agricultural employer shall assure that the worker, before entering the treated area, either has read the product labeling or has been informed, in a manner the worker can understand, of all labeling requirements related to human hazards or precautions, first aid, symptoms of poisoning, personal protective equipment specified for early entry, and any other labeling requirements related to safe use;

(iv) The agricultural employer shall assure that the worker wears the proper PPE and that the PPE is in operable condition and that the worker has been trained in its proper use;

(v) The agricultural employer shall assure that measures have been taken, when appropriate, to prevent heat-related illness;

(vi) A decontamination site has been provided in accordance with WISHA regulations;

(vii) The agricultural employer shall not allow or direct any worker to wear home or take home personal protective equipment contaminated with pesticides.

(b) If the agricultural emergency is due to equipment failure, then the agricultural employer shall assure that all the requirements in subsection (1) of this section are met plus the following additional requirement. The only permitted activity until the restricted-entry interval has elapsed is equipment repair that would mitigate the effect of the equipment failure.

(6) Recordkeeping required for agricultural emergencies.

(a) If the employer declares that his/her establishment is affected by an agricultural emergency and that activities regulated by the worker protection standard have been performed, the employer shall keep the following records for seven years from the date of the agricultural emergency:

- (i) Date of the agricultural emergency;
- (ii) Time of the agricultural emergency, start and end;
- (iii) Reason for the agricultural emergency, such as frost, fire, equipment failure, etc.;
- (iv) Crop/site;
- (v) Pesticide(s) - name, EPA number, REI;
- (vi) Name, date, time of entry and exit of early entry person(s);
- (vii) Estimated potential of economic loss which would have occurred had no early entry been allowed.

(b) Records shall be completed within twenty-four hours of the early entry exposure and be available to the department and/or department of health and/or medical facility or treating physician if requested by the above or the employee.

(7) Exception to entry restrictions requiring EPA approval. EPA may in accordance with 40 CFR, Part 170.112 (e) grant an exception from the requirements of this section. A request for an exception must be submitted to the Director, Office of Pesticide Programs (H-7501C), Environmental Protection Agency, 401 "M" Street SW, Washington, DC 20460 and must be accompanied by two copies of the information specified in 40 CFR, Part 170.112(e).

AMENDATORY SECTION (Amending Order 6002, filed 10/3/96, effective 11/3/96)

WAC 16-233-140 Pesticide safety training—Standards for workers—40 CFR, § 170.130. (1) General requirement.

(a) Agricultural employer assurance. The agricultural employer shall assure that each worker, required by this section to be trained, has been trained according to this section during the last five years, counting from the end of the month in which the training was completed.

(b) Requirement for workers performing early entry activities. Before a worker enters a treated area on the agricultural establishment during a restricted-entry interval to perform early entry activities permitted by WAC 16-233-120 and contacts anything that has been treated with the pesticide to which the restricted-entry interval applies, including but not limited to, soil, water, or surfaces of plants, the agricultural employer shall assure that the worker has been trained.

(c) Requirements for other agricultural workers.

(i) Information before entry. Except as provided in (b) of this subsection, before a worker enters any areas on the agricultural establishment where, within the last thirty days a pesticide to which this chapter applies has been applied or the restricted-entry interval for such pesticide has been in effect, the agricultural employer shall assure that the worker has been provided the pesticide safety information specified in subsection (3) of this section, in a manner that agricultural workers can understand, such as by providing written materials or oral communication or by other means. The agricultural employer must be able to verify compliance with this requirement.

(ii) Training before the start of a work period. The agricultural employer shall assure that a worker has been trained before the worker enters any areas on the agricultural establishment where, within the last thirty days a pesticide to which this chapter applies has been applied or a restricted-entry interval for such pesticide has been in effect.

(2) Exceptions. The following persons need not be trained under this section:

(a) A worker who is currently certified as an applicator of restricted-use pesticides under chapter 17.21 RCW.

(b) A worker who satisfies the handler training requirements of WAC 16-233-225(3).

(c) A worker who is certified or licensed as a crop advisor by the Washington state department of agriculture under RCW 15.58.230: Provided, That a requirement for such certification or licensing is pesticide safety training that includes all the information set out in WAC 16-233-225 (3)(d).

(3) Pesticide safety information. The pesticide safety information required by subsection (1)(c)(i) of this section shall be presented to workers in a manner that the workers can understand. At a minimum, the following information shall be provided:

(a) Pesticides may be on or in plants, soil, irrigation water, or drifting from nearby applications.

(b) Prevent pesticides from entering your body by:

(i) Following directions and/or signs about keeping out of treated or restricted areas.

(ii) Washing before eating, drinking, using chewing gum or tobacco, or using the toilet.

(iii) Wearing work clothing that protects the body from pesticide residues.

(iv) Washing/showering with soap and water, shampoo hair, and put on clean clothes after work.

(v) Washing work clothes separately from other clothes before wearing them again.

(vi) Washing immediately in the nearest clean water if pesticides are spilled or sprayed on the body. As soon as possible, shower, shampoo, and change into clean clothes.

~~((e) Other information as required in WISHA, WAC 296-62-054 through 296-62-05427, hazardous communication program.))~~

(4) Training programs.

(a) General pesticide safety information shall be presented to workers either orally from written materials or audiovisually. The information must be presented in a manner that the workers can understand (such as through a translator) using nontechnical terms. The presenter also shall respond to workers' questions.

(b) The person who conducts the training shall meet at least one of the following criteria:

(i) Be currently certified as an applicator of restricted-use pesticides under chapter 17.21 RCW; or

(ii) Be currently designated as a trainer of certified applicators or pesticide handlers by the Washington state department of agriculture in accordance with chapters 15.58 and 17.21 RCW; or

(iii) Have completed a pesticide safety train-the-trainer program approved by the Washington state department of agriculture in accordance with chapters 15.58 and 17.21 RCW; or

(iv) Satisfy the training requirements in WAC 16-233-225(3).

(c) Any person who issues a Washington state department of agriculture-approved worker protection standard worker training card must assure that the worker who receives the training card has been trained in accordance with subsection (4)(d) of this section.

(d) The training materials shall convey, at a minimum, the following information:

(i) Where and in what form pesticides may be encountered during work activities.

(ii) Hazards of pesticides resulting from toxicity and exposure, including acute and chronic effects, delayed effects, and sensitization.

(iii) Routes through which pesticides can enter the body.

(iv) Signs and symptoms of common types of pesticide poisoning.

(v) Emergency first aid for pesticide injuries or poisonings.

(vi) How to obtain emergency medical care.

(vii) Routine and emergency decontamination procedures, including emergency eyeflushing techniques.

(viii) Hazards from chemigation and drift.

(ix) Hazards from pesticide residues on clothing.

(x) Warnings about taking pesticides or pesticide containers home.

(xi) Requirements of this chapter designed to reduce the risks of illness or injury resulting from workers' occupational exposure to pesticides, including application and entry

restrictions, the design of the warning sign, posting of warning signs, oral warnings, the availability of specific information about applications, and the protection against retaliatory acts.

(5) Verification of training.

(a) Except as provided in subsection (5)(b) of this section, if the agricultural employer assures that a worker possesses a Washington state department of agriculture-approved worker protection standard worker training card, then the requirements of subsection (1) of this section will have been met. Employers must still comply with the requirements of subsection (3)(c) of this section, hazardous communication program.

(b) If the agricultural employer is aware or has reason to know that a Washington state department of agriculture-approved worker protection standard worker training card has not been issued in accordance with this section, or has not been issued to the worker bearing the card, or the training was completed more than five years before the beginning of the current month, a worker's possession of that card does not meet the requirements of subsection (1) of this section.

Note: In addition to the training required by this section, the department of labor and industries requires all agricultural employers, without exception, to train all employees in accordance with WAC 296-307-550, employer chemical hazard communication.

AMENDATORY SECTION (Amending Order 6002, filed 10/3/96, effective 11/3/96)

WAC 16-233-225 Pesticide safety training—Standards for pesticide handlers—40 CFR, § 170.230. (1) Requirement. Before any handler performs any handling task, the handler employer shall assure that the handler has been trained in accordance with this section during the last five years, counting from the end of the month in which the training was completed.

(2) Exceptions. The following persons need not be trained under this section:

(a) A handler who is currently certified as an applicator of restricted-use pesticides under chapter 17.21 RCW.

(b) A handler who is certified or licensed as a crop advisor by the Washington state department of agriculture under RCW 15.58.230: Provided, That a requirement for such certification or licensing is pesticide safety training that includes all the information set out in WAC 16-233-225 (3)(d).

(3) Training programs.

(a) General pesticide safety information shall be presented to handlers either orally from written materials or audiovisually. The information must be presented in a manner that the handlers can understand (such as through a translator). The presenter also shall respond to handlers' questions.

(b) The person who conducts the training shall meet at least one of the following criteria:

(i) Be currently certified as an applicator of restricted-use pesticides under chapter 17.21 RCW; or

(ii) Be currently designated as a trainer of certified applicators or pesticide handlers by the Washington state department of agriculture under chapters 15.58 or 17.21 RCW; or

(iii) Have completed a pesticide safety train-the-trainer program approved by a state, federal, or tribal agency having jurisdiction.

(c) Any person who issues a Washington state department of agriculture-approved worker protection standard handler training card must assure that the handler who receives the training card has been trained in accordance with (d) of this subsection.

(d) The pesticide safety training materials must convey, at a minimum, the following information:

(i) Format and meaning of information contained on pesticide labels and in labeling, including safety information such as precautionary statements about human health hazards.

(ii) Hazards of pesticides resulting from toxicity and exposure, including acute and chronic effects, delayed effects, and sensitization.

(iii) Routes by which pesticides can enter the body.

(iv) Signs and symptoms of common types of pesticide poisoning.

(v) Emergency first aid for pesticide injuries or poisonings.

(vi) How to obtain emergency medical care.

(vii) Routine and emergency decontamination procedures.

(viii) Need for and appropriate use of personal protective equipment.

(ix) Prevention, recognition, and first-aid treatment of heat-related illness.

(x) Safety requirements for handling, transporting, storing, and disposing of pesticides, including general procedures for spill cleanup.

(xi) Environmental concerns such as drift, runoff, and wildlife hazards.

(xii) Warnings about taking pesticides or pesticide containers home.

(xiii) Requirements of this chapter that must be followed by handler employers for the protection of handlers and other persons, including the prohibition against applying pesticides in a manner that will cause contact with workers or other persons, the requirement to use personal protective equipment, the provisions for training and decontamination, and the protection against retaliatory acts.

(4) Verification of training.

(a) Except as provided in (b) of this subsection, if the handler employer assures that a handler possesses a Washington state department of agriculture-approved worker protection standard handler training card, then the requirements of subsection (1) of this section will have been met.

(b) If the handler employer is aware or has reason to know that a Washington state department of agriculture-approved worker protection standard handler training card has not been issued in accordance with this section, or has not been issued to the handler bearing the card, or the handler training was completed more than five years before the beginning of the current month, a handler's possession of that card does not meet the requirements of subsection (1) of this section.

Note: In addition to the training required by this section, the department of labor and industries requires all agricultural employers,

without exception, to train all employees in accordance with WAC 296-307-550, employer chemical hazard communication.

AMENDATORY SECTION (Amending Order 6002, filed 10/3/96, effective 11/3/96)

WAC 16-233-245 Personal protective equipment—Standards for pesticide handlers—40 CFR, § 170.240. (1) Requirement. Any person who performs tasks as a pesticide handler shall use the clothing and personal protective equipment specified on the labeling for use of the product.

(2) Definition.

(a) Personal protective equipment (PPE) means devices and apparel that are worn to protect the body from contact with pesticides or pesticide residues, including, but not limited to, coveralls, chemical-resistant suits, chemical-resistant gloves, chemical-resistant footwear, respiratory protection devices, chemical-resistant aprons, chemical-resistant headgear, and protective eyewear.

(b) Long-sleeved shirts, short-sleeved shirts, long pants, short pants, shoes, socks, and other items of work clothing are not considered personal protective equipment for the purposes of this section and are not subject to the requirements of this section, although pesticide labeling may require that such work clothing be worn during some activities.

(3) Provision. When personal protective equipment is specified by the labeling of any pesticide for any handling activity, the handler employer shall provide the appropriate personal protective equipment in clean and operating condition to the handler.

(a) When "chemical-resistant" personal protective equipment is specified by the product labeling, it shall be made of material that allows no measurable movement of the pesticide being used through the material during use.

(b) When "waterproof" personal protective equipment is specified by the product labeling, it shall be made of material that allows no measurable movement of water or aqueous solutions through the material during use.

(c) When a "chemical-resistant suit" is specified by the product labeling, it shall be a loose-fitting, one-piece or two-piece chemical-resistant garment that covers, at a minimum, the entire body except head, hands, and feet.

(d) When "coveralls" are specified by the product labeling, they shall be a loose-fitting, one-piece or two-piece garment, such as a cotton or cotton and polyester coverall, that covers, at a minimum, the entire body except head, hands, and feet. The pesticide product labeling may specify that the coveralls be worn over another layer of clothing.

(e)(i) Gloves shall be of the type specified ~~((by))~~ on the pesticide product labeling. Gloves ~~((or glove linings))~~ made of leather, cotton, or other absorbent materials ~~((shall))~~ may not be worn ~~((for))~~ while mixing, loading, applying, or otherwise handling ~~((activities))~~ pesticides, unless ~~((such))~~ gloves made of these materials are listed as acceptable for such use on the product labeling ~~((as acceptable for such use)).~~

(ii) Separable glove liners may be worn beneath chemical-resistant gloves, unless the pesticide product labeling specifically prohibits their use. Separable glove liners are defined as separate glove-like hand coverings, made of lightweight material, with or without fingers. Work gloves made

from lightweight cotton or poly-type material are considered to be glove liners if worn beneath chemical-resistant gloves. Separable glove liners may not extend outside the chemical-resistant gloves under which they are worn. Chemical-resistant gloves with nonseparable absorbent lining materials are prohibited.

(iii) If used, separable glove liners must be discarded immediately after a total of no more than ten hours of use or within twenty-four hours of when first put on, whichever comes first. The liners must be replaced immediately if directly contacted by pesticide. Used glove liners shall not be reused. Contaminated liners must be disposed of in accordance with any federal, state, or local regulations.

(f) When "chemical-resistant footwear" is specified by the product labeling, one of the following types of footwear must be worn:

- (i) Chemical-resistant shoes.
- (ii) Chemical-resistant boots.
- (iii) Chemical-resistant shoe coverings worn over shoes or boots.

(g) When "protective eyewear" is specified by the product labeling, one of the following types of eyewear must be worn:

- (i) Goggles.
- (ii) Face shield.
- (iii) Safety glasses with front, brow, and temple protection.
- (iv) Full-face respirator.

(h) When a "chemical-resistant apron" is specified by the product labeling, an apron that covers the front of the body from mid-chest to the knees shall be worn.

(i) When a respirator is specified by the product labeling, it shall be appropriate for the pesticide product used and for the activity to be performed. The handler employer shall assure that the respirator fits correctly by using the procedures consistent with ~~((WAC 296-62-074))~~ chapter 296-307 WAC, Part Y-5. If the label does not specify the type of respirator to be used, it shall meet the requirements of ~~((WAC 296-62-074))~~ chapter 296-307 WAC, Part Y-5. The respiratory protection requirements of ~~((the general occupational health standards, WAC 296-62-074))~~ chapter 296-307 WAC, Part Y-5, shall apply.

(j) When "chemical-resistant headgear" is specified by the product labeling, it shall be either a chemical-resistant hood or a chemical-resistant hat with a wide brim.

(4) Exceptions to personal protective equipment specified on product labeling.

(a) Body protection.

(i) A chemical-resistant suit may be substituted for "coveralls," and any requirement for an additional layer of clothing beneath is waived.

(ii) A chemical-resistant suit may be substituted for "coveralls" and a chemical-resistant apron.

(b) Boots. If chemical-resistant footwear with sufficient durability and a tread appropriate for wear in rough terrain is not obtainable, then leather boots may be worn in such terrain.

(c) Gloves. If chemical-resistant gloves with sufficient durability and suppleness are not obtainable, then during handling activities with roses or other plants with sharp thorns,

leather gloves may be worn over chemical-resistant glove liners. However, once leather gloves are worn for this use, thereafter they shall be worn only with chemical-resistant liners and they shall not be worn for any other use.

(d) Closed systems. If handling tasks are performed using properly functioning systems that enclose the pesticide to prevent it from contacting handlers or other persons, and if such systems are used and are maintained in accordance with that manufacturer's written operating instructions, exceptions to labeling-specified personal protective equipment for the handling activity are permitted as provided in (d)(i) and (ii) of this subsection.

(i) Persons using a closed system to mix or load pesticides with a signal word of DANGER or WARNING may substitute a long-sleeved shirt, long pants, shoes, socks, chemical-resistant apron, and any protective gloves specified on the labeling for handlers for the labeling-specified personal protective equipment.

(ii) Persons using a closed system to mix or load pesticides other than those in (d)(i) of this subsection or to perform other handling tasks may substitute a long-sleeved shirt, long pants, shoes, and socks for the labeling-specified personal protective equipment.

(iii) Persons using a closed system that operates under pressure shall wear protective eyewear.

(iv) Persons using a closed system shall have all labeling-specified personal protective equipment immediately available for use in an emergency.

(e) Enclosed cabs. If handling tasks are performed from inside a cab that has a nonporous barrier which totally surrounds the occupants of the cab and prevents contact with pesticides outside of the cab, exceptions to personal protective equipment specified on the product labeling for that handling activity are permitted as provided in (e)(i) through (iv) of this subsection.

(i) Persons occupying an enclosed cab may substitute a long-sleeved shirt, long pants, shoes, and socks for the labeling-specified personal protective equipment. If a respiratory protection device is specified on the pesticide product labeling for the handling activity, it must be worn.

(ii) Persons occupying an enclosed cab that has a properly functioning ventilation system which is used and maintained in accordance with the manufacturer's written operating instructions and which is declared in writing by the manufacturer and by the Washington state department of labor and industries to provide respiratory protection equivalent to or greater than a dust/mist filtering respirator may substitute a long-sleeved shirt, long pants, shoes, and socks for the labeling-specified personal protective equipment. If a respiratory protection device other than a dust/mist-filtering respirator is specified on the pesticide product labeling, it must be worn.

(iii) Persons occupying an enclosed cab that has a properly functioning ventilation system which is used and maintained in accordance with the manufacturer's written operating instructions and which is declared in writing by the manufacturer and the Washington state department of labor and industries to provide respiratory protection equivalent to or greater than the vapor-removing or gas-removing respirator specified on pesticide product labeling may substitute a long-

sleeved shirt, long pants, shoes, and socks for the labeling-specified personal protective equipment. If an air-supplying respirator or a self-contained breathing apparatus (SCBA) is specified on the pesticide product labeling, it must be worn.

(iv) Persons occupying an enclosed cab shall have all labeling-specified personal protective equipment immediately available and stored in a chemical-resistant container, such as a plastic bag. They shall wear such personal protective equipment if it is necessary to exit the cab and contact pesticide-treated surfaces in the treated area. Once personal protective equipment is worn in the treated area, it must be removed before reentering the cab.

(f) Aerial applications.

(i) Use of gloves. The wearing of chemical-resistant gloves ((shall be worn)) when entering or leaving an aircraft ((contaminated by pesticide residues)) used to apply pesticides is optional, unless such gloves are required on the pesticide product labeling. ((If)) If gloves are brought into the cockpit of an aircraft that has been used to apply pesticides, the gloves shall be kept in an enclosed container to prevent contamination of the inside of the cockpit.

(ii) Open cockpit. Persons occupying an open cockpit shall use the personal protective equipment specified in the product labeling for use during application, except that chemical-resistant footwear need not be worn. A helmet may be substituted for chemical-resistant headgear. A visor may be substituted for protective eyewear.

(iii) Enclosed cockpit. Persons occupying an enclosed cockpit may substitute a long-sleeved shirt, long pants, shoes, and socks for labeling-specified personal protective equipment.

(g) Crop advisors. Crop advisors entering treated areas while a restricted-entry interval is in effect may wear the personal protective equipment specified on the pesticide labeling for early entry activities instead of the personal protective equipment specified on the pesticide labeling for handling activities, provided:

(i) Application has been completed for at least four hours.

(ii) Any inhalation exposure level listed in the labeling has been reached or any ventilation criteria established by WAC 16-233-115 (3)(c) or in the labeling have been met.

(5) Use of personal protective equipment.

(a) The handler employer shall assure that personal protective equipment is used correctly for its intended purpose and is used according to the manufacturer's instructions.

(b) The handler employer shall assure that, before each day of use, all personal protective equipment is inspected for leaks, holes, tears, or worn places, and any damaged equipment is repaired or discarded.

(6) Cleaning and maintenance.

(a) The handler employer shall assure that all personal protective equipment is cleaned according to the manufacturer's instructions or pesticide product labeling instructions before each day of reuse. In the absence of any such instructions, it shall be washed thoroughly in detergent and hot water.

(b) If any personal protective equipment cannot be cleaned properly, the handler employer shall dispose of the personal protective equipment in accordance with any appli-

cable federal, state, and local regulations. Coveralls or other absorbent materials that have been drenched or heavily contaminated with an undiluted pesticide that has the signal word DANGER or WARNING on the label shall be not be reused.

(c) The handler employer shall assure that contaminated personal protective equipment is kept separately and washed separately from any other clothing or laundry.

(d) The handler employer shall assure that all clean personal protective equipment shall be either dried thoroughly before being stored or shall be put in a well ventilated place to dry.

(e) The handler employer shall assure that all personal protective equipment is stored separately from personal clothing and apart from pesticide-contaminated areas.

(f) The handler employer shall assure that when dust/mist filtering respirators are used, the filters shall be replaced:

(i) When breathing resistance becomes excessive.

(ii) When the filter element has physical damage or tears.

(iii) According to manufacturer's recommendations or pesticide product labeling, whichever is more frequent.

(iv) In the absence of any other instructions or indications of service life, at the end of each day's work period.

(g) The handler employer shall assure that when gas-removing or vapor-removing respirators are used, the gas-removing or vapor-removing canisters or cartridges shall be replaced:

(i) At the first indication of odor, taste, or irritation.

(ii) According to manufacturer's recommendations or pesticide product labeling, whichever is more frequent.

(iii) In the absence of any other instructions or indications of service life, at the end of each day's work period.

(h) The handler employer shall inform any person who cleans or launders personal protective equipment:

(i) That such equipment may be contaminated with pesticides.

(ii) Of the potentially harmful effects of exposure to pesticides.

(iii) Of the correct way(s) to clean personal protective equipment and to protect themselves when handling such equipment.

(i) The handler employer shall assure that handlers have a clean place(s) away from pesticide storage and pesticide use areas where they may:

(i) Store personal clothing not in use.

(ii) Put on personal protective equipment at the start of any exposure period.

(iii) Remove personal protective equipment at the end of any exposure period.

(j) The handler employer shall not allow or direct any handler to wear home or to take home personal protective equipment contaminated with pesticides.

(7) Heat-related illness. When the use of personal protective equipment is specified by the labeling of any pesticide for the handling activity, the handler employer shall assure that no handler is allowed or directed to perform the handling activity unless appropriate measures are taken, if necessary, to prevent heat-related illness.

WSR 09-15-144
PERMANENT RULES
DEPARTMENT OF
LABOR AND INDUSTRIES

[Filed July 21, 2009, 9:30 a.m., effective September 1, 2009]

Effective Date of Rule: September 1, 2009.

Purpose: OSHA revised the marine terminals standard and related sections of the longshoring standard to adopt new requirements related to the practice of lifting two intermodal containers together, one on top of the other, connected by semiautomatic twistlocks (SATLs). This practice is known as a vertical tandem lift (VTL). The final standard permits VTLs of no more than two empty containers provided certain safeguards are followed. Washington is a state plan state, therefore, the department is required to adopt this language approximately within six months of the publication date.

Chapter 296-56 WAC, Safety standards—Longshore, stevedore and related waterfront operations.

- Changed the title of this chapter to "Safety standards—Longshore, stevedore and waterfront related operations."

WAC 296-56-60001 Scope and applicability.

- Subsections (3)(e), (f), (g), (l), and (m), updated the reference.

WAC 296-56-60017 Line handling.

- Subsection (2), corrected a typographical error. Change the word "on" to "or."
- Subsection (4), corrected a typographical error. Change the spelling of the word "hausers" to "hawsers."

WAC 296-56-60077 Powered industrial trucks.

- Subsection (1), updated the reference.
- Subsection (7)(l)(vii), deleted this language, it is redundant of the language in subsection (7)(l)(iii).
- Renumberd subsection (7)(l)(viii) to (vii).

WAC 296-56-60103 Terminals intermodal containers or roll-on roll-off operations.

- Subsection (9), added this subsection relating to vertical tandem lifts.
- Subsection (10), added this subsection relating to transporting vertically coupled containers.
- Subsection (11), added this subsection relating to safe work zones.

WAC 296-56-60115 Other protective measures.

- Subsection (2)(b)(iii), deleted the words "Ski belt or inflatable type personal flotation devices are specifically prohibited." These are now allowed.

WAC 296-56-60221 Illumination.

- Subsection (1), added language more similar to what OSHA has for clarity.

WAC 296-56-60235 Welding, cutting and heating (hot work) (see also definition of "hazardous cargo, material, substance or atmosphere").

- Subsections (2), (6)(b), and (7)(c), updated a reference.

Citation of Existing Rules Affected by this Order:
 Amending WAC 296-56-60001 Scope and applicability,

296-56-60017 Line handling, 296-56-60077 Powered industrial trucks, 296-56-60103 Terminals handling intermodal containers or roll-on roll-off operations, 296-56-60115 Other protective measures, 296-56-60221 Illumination, and 296-56-60235 Welding, cutting and heating (hot work) (see also definition of "hazardous cargo, material, substance or atmosphere").

Statutory Authority for Adoption: RCW 49.17.010, 49.17.040, 49.17.050, 49.17.060.

Adopted under notice filed as WSR 09-08-108 on March 31, 2009.

Number of Sections Adopted in Order to Comply with Federal Statute: New 0, Amended 0, Repealed 0; Federal Rules or Standards: New 0, Amended 7, Repealed 0; or Recently Enacted State Statutes: New 0, Amended 0, Repealed 0.

Number of Sections Adopted at Request of a Nongovernmental Entity: New 0, Amended 0, Repealed 0.

Number of Sections Adopted on the Agency's Own Initiative: New 0, Amended 7, Repealed 0.

Number of Sections Adopted in Order to Clarify, Streamline, or Reform Agency Procedures: New 0, Amended 7, Repealed 0.

Number of Sections Adopted Using Negotiated Rule Making: New 0, Amended 0, Repealed 0; Pilot Rule Making: New 0, Amended 0, Repealed 0; or Other Alternative Rule Making: New 0, Amended 0, Repealed 0.

Date Adopted: July 21, 2009.

Judy Schurke
 Director

Chapter 296-56 WAC

**SAFETY STANDARDS—LONGSHORE, STEVEDORE
 AND ((RELATED)) WATERFRONT RELATED
 OPERATIONS**

AMENDATORY SECTION (Amending WSR 05-03-093, filed 1/18/05, effective 3/1/05)

WAC 296-56-60001 Scope and applicability. (1) The rules included in this chapter apply throughout the state of Washington, to any and all waterfront operations under the jurisdiction of the department of labor and industries.

(2) These minimum requirements are promulgated in order to augment the general safety and health standards, and any other safety and health standards promulgated by the department of labor and industries which are applicable to all places of employment under the jurisdiction of the department of labor and industries. The rules of this chapter, and the rules of chapters 296-24, 296-62 and 296-800 WAC are applicable to all longshore, stevedore and related waterfront operations: Provided, That such rules shall not be applicable to those operations under the exclusive safety jurisdiction of the federal government.

(3) The provisions of this chapter shall prevail in the event of a conflict with, or duplication of, provisions contained in chapters 296-24, 296-62 and 296-800 WAC. Specific standards which are applicable include, but are not limited to:

(a) Electrical—Chapter 296-24 WAC Part L, and WAC 296-800-280.

(b) Toxic and hazardous substances are regulated by chapters 296-62 and 296-841 WAC. Where references to this chapter are given they are for informational purposes only. Where specific requirements of this chapter conflict with the provisions of chapters 296-62 and 296-841 WAC, this chapter prevails. Chapter 296-62 WAC does not apply when a substance or cargo is contained within a manufacturer's original, sealed, intact means of packaging or containment complying with the department of transportation or International Maritime Organization requirements.

(c) Hearing loss prevention (noise)—Chapter 296-817 WAC.

(d) Standards for commercial diving operations—Chapter 296-37 WAC.

(e) Safety requirements for scaffolding—Chapter ((296-24)) ~~296-874~~ WAC ((~~Part J-2~~)).

(f) Safe practices of abrasive blasting operations—Chapter ((296-24)) ~~296-818~~ WAC ((~~Part H-2~~)).

(g) Access to employee exposure and medical records—Chapter ((296-62)) ~~296-802~~ WAC ((~~Part B~~)).

(h) Respiratory protection—Chapter 296-842 WAC.

(i) Safety standards for grain handling facilities—Chapter 296-99 WAC.

(j) Chemical hazard communication program—WAC 296-800-170.

(k) Asbestos—Chapters 296-62 Part I-1 and 296-65 WAC.

(l) Permit - required confined spaces and confined space—Chapter ((296-62)) ~~296-809~~ WAC ((~~Part M~~)).

(m) Servicing multipiece and single-piece rim wheels—Chapter ((296-24)) ~~296-864~~ WAC ((~~Part D~~)).

(n) First-aid requirements—WAC 296-800-150.

(o) Employee emergency plans and fire prevention plans—Chapter 296-24 WAC Part G-1.

(4) The provisions of this chapter do not apply to the following:

(a) Fully automated bulk coal handling facilities contiguous to electrical power generating plants.

(b) Facilities subject to the regulations of the office of pipeline safety regulation of the materials transportation bureau, department of transportation, to the extent such regulations apply.

(5) WAC 296-62-074 shall apply to the exposure of every employee to cadmium in every employment and place of employment covered by chapter 296-56 WAC in lieu of any different standard on exposures to cadmium that would otherwise be applicable by virtue of those sections.

AMENDATORY SECTION (Amending Order 86-02, filed 1/17/86)

WAC 296-56-60017 Line handling. (1) In order to provide safe access for handling lines while mooring and unmooring vessels, cargo or material shall not be stowed or vehicles placed where they obstruct the work surface.

(2) When stringpiece or apron width is insufficient for safe footing, grab lines ((~~on~~)) ~~or~~ rails shall be installed on the sides of permanent structures. ("Stringpiece" means a narrow

walkway between the water edge of a berth and a shed or other structure.)

(3) Areas around bitts or cleats where workers perform their duties as line handlers shall be lighted as required by this chapter. There shall be a nonslip surface around each bitt or cleat.

(4) Walkways on which mooring ((~~hausers~~)) ~~hausers~~ must be moved may have the handrail omitted on the line handling side provided a six inch by six inch toeboard is installed.

AMENDATORY SECTION (Amending WSR 00-21-103, filed 10/18/00, effective 2/1/01)

WAC 296-56-60077 Powered industrial trucks. (1) Applicability. This section applies to every type of powered industrial truck used for material or equipment handling within a marine terminal. Employers must comply with the provisions of ((~~WAC 296-24-230~~)) ~~chapter 296-863~~ WAC and this section. It does not apply to over-the-road vehicles.

(2) General.

(a) Modifications, such as adding counterweights, that might affect the vehicle's capacity or safety shall not be performed without either the manufacturer's prior written approval or the written approval of a professional engineer experienced with the equipment who has consulted with the manufacturer, if available. Capacity, operation and maintenance instruction plates, tags or decals shall be changed to conform to the equipment as modified.

(b) Unauthorized personnel shall not ride on powered industrial trucks. A safe place to ride shall be provided when riding is authorized.

(c) When a powered industrial truck is left unattended, load-engaging means shall be fully lowered, controls neutralized and brakes set. Unless the truck is in view and within twenty-five feet (7.62 m) of the operator, power shall be shut off. Wheels shall be blocked or curbed if the truck is on an incline.

(d) Powered industrial trucks shall not be operated inside highway vehicles or railcars having damage which could affect operational safety.

(e) Powered industrial trucks shall be marked with their rated capacities, which shall be visible to the operator.

(f) Only stable and safely arranged loads within the rated capacity of the truck shall be handled.

(g) Drivers shall ascend and descend grades slowly.

(h) Drivers shall slow down and sound the horn at crossaisles and other locations where visibility is obstructed.

(i) If the load obstructs the forward view drivers shall travel with the load trailing.

(j) Steering knobs shall not be used unless the truck is equipped with power steering.

(k) When powered industrial trucks use cargo lifting devices that have a means of engagement hidden from the operator, a means shall be provided to enable the operator to determine that the cargo has been engaged.

(l) When cargo is being towed on pipe trucks or similar equipment, a safe means shall be provided to protect the driver from sliding loads.

(3) Maintenance.

(a) Only designated persons shall perform maintenance and repair.

(b) Batteries on all powered trucks shall be disconnected during repairs to the primary electrical system unless power is necessary for testing and repair. On trucks equipped with systems capable of storing residual energy, that energy shall be safely discharged before work on the primary electrical system begins.

(c) Replacement parts whose function might affect operational safety shall be equivalent in strength and performance capability to the original parts which they replace.

(d) Braking systems or other mechanisms used for braking shall be operable and in safe condition.

(e) Powered industrial trucks shall be maintained in safe working order. Safety devices shall not be removed or made inoperative except as otherwise provided in this section. Trucks with a fuel system leak or any other safety defect shall not be operated.

(f) Those repairs to the fuel and ignition systems of industrial trucks which involve fire hazards shall be conducted only in locations designated as safe for such repairs.

(4) Approved trucks.

(a) "Approved power-operated industrial truck" means one listed or approved for the intended use by a nationally recognized testing laboratory.

(b) Approved trucks acquired and used after February 15, 1972, shall bear a label or other identification indicating testing laboratory approval.

(c) When the atmosphere in an area is hazardous and the provisions of United States Coast Guard regulations at 33 CFR 126.15(e) do not apply, only power-operated industrial trucks approved for such locations shall be used.

(5) Duties of operator.

(a) A power-driven vehicle operator's special duties are:

(i) To operate the vehicle in a safe manner.

(ii) To test brakes, steering gear, lights, horns, or other warning devices, clutches, etc., before starting work.

(iii) To have the vehicle at all times under control so that it can be brought to an emergency stop in the clear space in front of the vehicle.

(iv) To back down any incline of two percent or more when traveling with a load on the fork lift jitney.

(b) Unobstructed view. When traveling, power-propelled vehicles shall at all times be operated in a manner giving the operator a reasonably unobstructed view in the direction of travel. Where this is impractical, the operator shall be directed in travel, by a person designated to do so.

(c) Employee riding safety. Operators and authorized passengers shall not be permitted to ride with legs or arms extending outside any vehicle nor shall they be permitted to ride while standing unless the vehicle is designed to be operated from a standing position.

(d) Moving vehicles. Vehicles shall be controlled manually while being pushed or towed except when a tow bar is used. Special precautions shall be taken when pushing vehicles where view is obstructed. Vehicles shall not be pushed with blades of a forklift.

(e) Moving highway trailers. In all cargo operations involving the use of highway trailers, trailers shall be moved

in such a manner that the moving trailer is completely under control at all times. Special caution shall be exercised when such trailers are moving on inclines. Trailers shall be loaded in a manner which will prevent the cargo from shifting, and the load in the trailer shall be evenly distributed so as not to cause the trailer to tip to one side.

(f) Prohibited forms of riding. Riding on tongue or handles of trailers or forks of power-propelled vehicles is prohibited.

(g) Regular seats for riders. No one except the operator shall ride on power-driven vehicles unless regular seats are provided to accommodate passengers.

(h) Jumping on or off moving vehicles. Employees shall not jump on or off moving vehicles.

(i) Reporting defects. If a power-driven vehicle is at any time found to be in any way unsafe, the operator shall report same immediately to the person in charge and such vehicle shall not be used for production work until it has been made safe.

(6) Vehicle equipment and maintenance.

(a) Horns and lights. All power-propelled vehicles shall be provided with horns or other warning devices.

(b) Power-propelled vehicles used for night work, when required to travel away from an illuminated work area shall be equipped with a light or lights directed in the direction of travel in order to safely travel about the area.

(c) Guards on operator's platform. Every power truck operated from an end platform or standing position shall be equipped with a substantial guard securely attached to the platform or frame of the vehicle in such a manner as to protect the operator from falling objects and so designed that the operator can easily mount or dismount from the operating station.

(d) Seat cushions. All vehicles having a driver's seat shall be provided with resilient seat cushions fixed in place.

(e) Securing of counterbalances. Counterbalances of all power-driven vehicles shall be positively secured to prevent accidental dislodging, but may be a removable type which may be removed, if desired, prior to hoisting the vehicle.

(f) Exhaust pipes and mufflers. Exhaust pipes and mufflers of internal combustion engines, where workers are exposed to contact shall be isolated or insulated. Exhaust pipes shall be constructed to discharge not less than seventy-two inches above the floor on jitneys and eighty-four inches on forklifts or less than twenty inches from the floor.

(g) Ventilation where internal combustion vehicles are used. Internal combustion engines may be used only in areas where adequate ventilation is provided.

(h) Concentration levels of carbon monoxide gas created by powered industrial truck operations shall not exceed the levels specified in WAC 296-56-60055.

(i) When disputes arise concerning degree of concentration, methods of sampling to ascertain the conditions should be referred to a qualified industrial hygienist.

(j) Cargo truck couplings. Couplings installed on cargo trucks (four-wheelers) shall be of a type which will prevent accidental disengaging.

(k) Operating levers. Operating levers on power-driven vehicles shall be so placed as not to project toward the operator's body.

(l) Front axle assembly. The front axle assembly on all trailers shall be securely fastened to the truck bed.

(m) Air line hook-up. Tractors hauling heavy duty highway trailers shall have an air line brake hook-up.

(n) Floor mats. On power-driven vehicles where the operator stands on a platform, resilient foot mats shall be securely attached.

(o) Cleaning vehicles. All power-propelled vehicles shall be cleaned at frequent intervals to remove any accumulation of dust and grease that may present a hazard.

(7) Forklift trucks.

(a) Overhead guards.

(i) When operators are exposed to overhead falling hazards, forklift trucks shall be equipped with securely attached overhead guards. Guards shall be constructed to protect the operator from falling boxes, cartons, packages, or similar objects.

(ii) Overhead guards shall not obstruct the operator's view, and openings in the top of the guard shall not exceed six inches (15.24 cm) in one of the two directions, width or length. Larger openings are permitted if no opening allows the smallest unit of cargo being handled to fall through the guard.

(iii) Overhead guards shall be built so that failure of the vehicle's mast tilting mechanism will not displace the guard.

(iv) An overhead guard, otherwise required by this paragraph, may be removed only when it would prevent a truck from entering a work space and if the operator is not exposed to low overhead obstructions in the work space.

(v) Overhead guards shall be large enough to extend over the operator during all truck operations, including forward tilt.

(b) Supplies to ship's rail. Cargo or supplies shall not be hoisted to or from ship's rail with a forklift. This does not apply to ramp or side port loading.

(c) Position of forks. When standing, lift forklift forks shall be lowered to floor. When moving, lift forklift forks shall be kept as low as possible.

(d) Forklift use in gangplank moving. Not less than two forklifts shall be used to place or remove gangplanks unless fork width prevents tipping and manufacturer's rated lifting capacity of the forklift is not exceeded.

(e) Forklift seat covers. Seats on forklifts shall be provided with a removable waterproof cover when they are exposed to the weather.

(f) Raised equipment to be blocked. Workers shall not work below the raised bed of a dump truck, raised buckets of front end loaders, raised blades of tractors or in similar positions without blocking the equipment in a manner that will prevent it from falling. When working under equipment suspended by use of jacks, safety stands or blocking shall be used in conjunction with the jack.

(g) Maximum speed. The maximum speed for forklifts on all docks shall not exceed eight miles per hour. The speed limit shall be prominently posted on such docks.

(h) Load backrest extensions. Where necessary to protect the operator, forklift trucks shall be fitted with a vertical load backrest extension to prevent the load from hitting the mast when the mast is positioned at maximum backward tilt. For this purpose, a "load backrest extension" means a device

extending vertically from the fork carriage frame to prevent raised loads from falling backward.

(i) Forks. Forks, fork extensions and other attachments shall be secured so that they cannot be accidentally dislodged, and shall be used only in accordance with the manufacturer's recommendations.

(j) Counterweights. Counterweights shall be so affixed that they cannot be accidentally dislodged.

(k) Capacities and weights.

(i) Forklift truck rated capacities, with and without removable counterweights, shall not be exceeded. Rated capacities shall be marked on the vehicle and shall be visible to the operator. The vehicle weight, with and without counterweight, shall be similarly marked.

(ii) If loads are lifted by two or more trucks working in unison, the total weight of the load shall not exceed the combined rated lifting capacity of all trucks involved.

(l) Lifting of employees. Employees may be elevated by forklift trucks only when a platform is secured to the lifting carriage or forks. The platform shall meet the following requirements:

(i) The platform shall have a railing complying with WAC 296-56-60123(3).

(ii) The platform shall have toeboards complying with WAC 296-56-60123(4), if tools or other objects could fall on employees below.

(iii) When the truck has controls which are elevated with the lifting carriage, means shall be provided for employees on the platform to shut off power to the vehicle.

(iv) Employees on the platform shall be protected from exposure to moving truck parts.

(v) The platform floor shall be skid resistant.

(vi) A truck operator shall be at the truck's controls when employees are elevated unless the truck's controls are elevated with the lifting carriage.

~~(vii) ((When the truck has controls elevated with the lifting carriage, means shall be provided for employees on the platform to shut off power to the vehicle.~~

~~(viii))~~ While employees are elevated, the truck may be moved only to make minor placement adjustments.

(8) Bulk cargo-moving vehicles.

(a) Where a seated operator may come into contact with projecting overhead members, crawler-type bulk-cargo-moving vehicles that are rider operated shall be equipped with operator guards.

(b) Guards and their attachment points shall be so designed as to be able to withstand, without excessive deflection, a load applied horizontally at the operator's shoulder level equal to the drawbar pull of the machine.

(c) After July 26, 1999, bulk cargo-moving vehicles shall be equipped with rollover protection of such design and construction as to prevent the possibility of the operator being crushed because of a rollover or upset.

(9) Straddle trucks.

(a) Accessibility. Straddle trucks shall have a permanent means of access to the operator's station, including any handholds necessary for safe ascent and descent.

(b) Guarding.

(i) Main sprockets and chains to the wheels shall be guarded as follows:

- (A) The upper sprocket shall be fully enclosed;
- (B) The upper half of the lower sprocket shall be enclosed; and
- (C) The drive chain shall be enclosed to a height of eight feet (2.44 m) except for that portion at the lower half of the lower sprocket.
 - (ii) Gears shall be fully enclosed and revolving parts which may be contacted by the operator shall be guarded.
 - (iii) When straddle trucks are used in the vicinity of employees, personnel-deflecting guards shall be provided around leading edges of front and rear wheels.
- (c) Visibility. Operator visibility shall be provided in all directions of movement.
 - (10) Trailer-spotting tractors.
 - (a) Trailer-spotting tractors (fifth wheels) shall be fitted with any hand grabs and footing necessary for safe access to the fifth wheel.
 - (b) Rear cab windows shall be of safety glass or equivalent material.

AMENDATORY SECTION (Amending WSR 00-21-103, filed 10/18/00, effective 2/1/01)

WAC 296-56-60103 Terminals handling intermodal containers or roll-on roll-off operations. (1) Every intermodal container shall be legibly and permanently marked with:

- (a) The weight of the container when empty, in pounds;
 - (b) The maximum cargo weight the container is designed to carry, in pounds; and
 - (c) The sum of the maximum weight of the container with cargo, in pounds (gross container capacity).
- (2) No container shall be hoisted by any crane or derrick unless the following conditions have been met:
- (a) The employer shall ascertain from the carrier whether a container to be hoisted is loaded or empty. Empty containers shall be identified before loading or discharge in such a manner as will inform every supervisor and foreman on the site and in charge of loading or discharging, and every crane or other hoisting equipment operator and signalman, if any, that the container is empty. Methods of identification may include cargo plans, manifests or markings on the container.
 - (b) In the case of a loaded container:
 - (i) The actual gross weight shall be plainly marked so as to be visible to the crane operator, other hoisting equipment operator, signalman, and to every supervisor and foreman on the site and in charge of the operation; or
 - (ii) The cargo stowage plan or equivalent permanently recorded display serving the same purpose, containing the actual gross weight and the serial number or other positive identification of that specific container, shall be provided to the crane or other hoisting equipment operator and signalman, if any, and to every supervisor and foreman on the site and in charge of the operation.
 - (c) Every outbound loaded container which is received at a marine terminal ready to load aboard a vessel without further consolidation or loading shall be weighed to obtain the actual gross weight before being hoisted.

(d)(i) When container weighing scales are located at a marine terminal, any outbound container with a load consoli-

dated at that terminal shall be weighed to obtain an actual weight before being hoisted.

(ii) If the terminal has no scales, the actual gross weight may be calculated on the basis of the container's contents and the container's empty weight. The weights used in the calculation shall be posted conspicuously on the container, with the name of the person making the calculation and the date.

(iii) Container weights shall be subject to random sample weight checks at the nearest weighing facility. In cases where such weight checks or experience otherwise indicate consistently inaccurate weights, the weight of containers so calculated at the source from which the inaccurate weights originated shall no longer be recognized as true gross weights. Such containers shall not be hoisted unless actual gross weights have been obtained by weighing.

(e) The following containers are exempted from the requirements of (c) and (d) of this subsection:

- (i) Open type vehicle containers.
- (ii) The container is marked on the outside in such a manner that an employee can readily discern that the container is carrying vehicles.
- (iii) Containers built specifically for the carriage of compressed gases.
- (iv) The container carries only completely assembled vehicles and no other cargo.

(v) The vehicles were loaded into the container at the marine terminal.

(f) The weight of loaded inbound containers from foreign ports shall be determined by weighing or by the method of calculation described in (d)(ii) of this subsection or by shipping documents.

(g) Any scale used within Washington state to weigh containers for the purpose of the requirements of this section shall meet the accuracy standards of the state or local public authority in which the scale is located.

(3) No container shall be hoisted if its actual gross weight exceeds the weight marked as required in subsection (1)(c) of this section, or if it exceeds the capacity of the crane or other hoisting device intended to be used.

(4)(a) Marked or designated areas shall be set aside within a container or roll-on roll-off terminal for passage of employees to and from active cargo transfer points, except where transportation to and from those points is provided by the employer.

(b) The employer shall direct employees to stay clear of the area beneath a suspended container. Employees shall stay clear of the area beneath a suspended container.

(5) Each employee working in the immediate area of container handling equipment or in the terminal's traffic lanes shall wear a high visibility vest (or equivalent protection).

Note to subsection (5): High visibility vests or equivalent protection means high visibility/retroreflective materials which are intended to provide conspicuity of the user by day through the use of high visibility (fluorescent) material and in the dark by vehicle headlights through the use of retroreflective material. The minimum area of material for a vest or equivalent protection is .5m(2)(760 in.(2)) for fluorescent (background) material and .13m(2)(197 in.(2)) for retroreflective material. Vests or equivalent protection, such as high

visibility/retro-reflective coveralls, that are available for industrial use, may also be acceptable.

(6) Containers shall be handled using lifting fittings or other arrangements suitable and intended for the purposes as set forth in (a) and (c) of this subsection, unless when damage to an intermodal container makes special means of handling necessary.

(a) Loaded intermodal containers of twenty feet (6.1 m) or more in length shall be hoisted as follows:

(i) When hoisting by the top fittings, the lifting forces shall be applied vertically from at least four top fittings or by means which will safely lift the container without damage. The lifting fittings provided shall be used.

(A) The container being lifted is an ISO closed box container;

(B) The condition of the box is sound;

(C) The speed of hoisting and lowering is moderated when heavily laden containers are encountered;

(D) The lift angle is at eighty to ninety degrees;

(E) The distance between the lifting beam and the load is at least eight feet and 2.4 inches (2.5m); and

(F) The length of the spreader beam is at least 16.3 feet (5 m) for a twenty-foot container, and at least 36.4 feet (11.1 m) for a forty-foot container.

(ii) If hoisted from bottom fittings, the hoisting connections shall bear on the fittings only, making no other contact with the container. The angles of the four bridle legs shall not be less than thirty degrees to the horizontal in the case of forty foot (12.2 m) containers, thirty-seven degrees in the case of thirty foot (9.1 m) containers, or forty-five degrees in the case of twenty foot (6.1 m) containers.

(iii) Lifting containers by fork lift trucks or by grappling arms from above or from one side may be done only if the container is designed for this type of handling.

(b) Other means of hoisting may be used only if the containers and hoisting means are designed for such use.

(c)(i) When using intermodal container spreaders that employ lanyards for activation of load disengagement, all possible precautions shall be taken to prevent accidental release of the load.

(ii) Intermodal container spreader twistlock systems shall be designed and used so that a suspended load cannot accidentally be released.

(d) Flat bed trucks or container chassis used to move intermodal containers shall be equipped with pins, flanges, or other means to prevent the container from shifting.

(e) Flat bed, low boy trailers (mafis) and other similar equipment used to transport containers shall be marked with their cargo capacities and shall not be overloaded.

(f) Each tractor shall have all brake air lines connected when pulling trailers equipped with air brakes and shall have the brakes tested before commencing operations.

(7)(a) Intermodal containers shall be inspected for defects in structural members or fittings before handling.

(b) Any intermodal container found to be unsafe shall be identified as such, promptly removed from service and repaired before being returned to service.

(8) Containers shall not be hoisted unless all engaged chassis twist locks are released.

(9) Vertical tandem lifts. The following requirements apply to operations involving the lifting of two or more intermodal containers by the top container (vertical tandem lifts of VTLs).

(a) Each employee involved in VTL operations shall be trained and competent in the safety-related work practices, safety procedures, and other requirements in this section that pertain to their respective job assignments.

(b) No more than two intermodal containers may be lifted in a VTL.

(c) Before the lift begins, the employer shall ensure that the two containers lifted as part of a VTL are empty.

Note: The lift begins immediately following the end of the prelift required by subsection (9)(c) of this section. Thus, the weight may be determined during the prelift using a load indicating device meeting WAC 296-56-60085 (1)(a) on the crane being used to lift the VTL.

(d) The lift shall be performed using either a shore-based container gantry crane or another type of crane that:

(i) Has the precision control necessary to restrain unintended rotation of the containers about any axis;

(ii) Is capable of handling the load volume and wind sail potential of VTLs; and

(iii) Is specifically designed to handle containers.

(e) The employer shall ensure that the crane operator pauses the lift when the vertically coupled containers have just been lifted above the supporting surface to assure that each interbox connector is properly engaged.

(f) Containers below deck may not be handled as a VTL.

(g) VTL operations may not be conducted when the wind speed exceeds the lesser of:

(i) Fifty-five km/h (thirty-four mph or thirty knots); or

(ii) The crane manufacturer's recommendation for maximum wind speed.

(h) The employer shall ensure that each interbox connector used in a VTL operation:

(i) Automatically locks into corner castings on containers but only unlocks manually (manual twistlocks or latchlocks are not permitted);

(ii) Is designed to indicate whether it is locked or unlocked when fitted into a corner casting;

(iii) Locks and releases in an identical direction and manner as all other interbox connectors in the VTL;

(iv) Has been tested and certificated by a competent authority of this chapter (for interbox connectors that are a part of a vessel's gear) or WAC 296-56-60093 (for other interbox connectors):

(A) As having a load-bearing surface area of eight hundred mm\two\ when connected to a corner casting with an opening that is sixty-five mm wide; and

(B) As having a safe working load of ninety-eight kN (ten thousand kg) with a safety factor of five when the load is applied by means of two corner castings with openings that are sixty-five mm wide or equivalent devices;

(v) Has a certificate that is available for inspection and that attests that the interbox connector meets the strength criteria given in subsection (9)(h)(iv) of this section; and

(vi) Is clearly and durably marked with its safe working load for lifting and an identifying number or mark that will enable it to be associated with its test certificate.

(i) Reserved.

(j) The employer shall ensure that each container and interbox connector used in a VTL and each corner casting to which a connector will be coupled is inspected immediately before use in the VTL.

(i) Each employee performing the inspection shall be capable of detecting defects or weaknesses and be able to assess their importance in relation to the safety of VTL operations.

(ii) The inspection of each interbox connector shall include: A visual examination for obvious structural defects, such as cracks, a check of its physical operation to determine that the lock is fully functional with adequate spring tension on each head; and a check for excessive corrosion and deterioration.

(iii) The inspection of each container and each of its corner castings shall include: A visual examination for obvious structural defects, such as cracks, a check for excessive corrosion and deterioration; and a visual examination to ensure that the opening to which an interbox connector will be connected has not been enlarged, that the welds are in good condition, and that it is free from ice, mud, or other debris.

(iv) The employer shall establish a system to ensure that each defective or damaged interbox connector is removed from service.

(v) An interbox connector that has been found to be defective or damaged shall be removed from service and may not be used in VTL operations until repaired.

(vi) A container with a corner casting that exhibits any of the problems listed in subsection (9)(j)(iii) of this section may not be lifted in a VTL.

(k) No platform container may be lifted as part of a VTL unit.

(10) Transporting vertically coupled containers.

(a) Equipment other than cranes used to transport vertically connected containers shall be either specifically designed for this application or evaluated by a qualified engineer and determined to be capable of operating safely in this mode of operation.

(b) The employer shall develop, implement, and maintain a written plan for transporting vertically connected containers. The written plan shall establish procedures to ensure safe operating and turning speeds and shall address all conditions in the terminal that could affect the safety of VTL-related operations, including communication and coordination among all employees involved in these operations.

(11) Safe work zone. The employer shall establish a safe work zone within which employees may not be present when vertically connected containers are in motion.

(a) The safe work zone shall be sufficient to protect employees in the event that a container drops or overturns.

(b) The written transport plan required by subsection (10)(b) of this section shall include the safe work zone and procedures to ensure that employees are not in this zone when a VTL is in motion.

AMENDATORY SECTION (Amending WSR 04-11-066, filed 5/18/04, effective 7/1/04)

WAC 296-56-60115 Other protective measures. (1) Protective clothing.

(a) Employees performing work that requires special protective clothing shall be directed by the employer to wear the necessary special protective clothing.

(b) When necessary, protective clothing previously worn shall be cleaned and disinfected before reissuance.

(2) Personal flotation devices.

(a) The employer shall provide, and shall direct the wearing of personal flotation devices for those employees, such as line handlers, who are engaged in work in which they may be pulled into the water:

(i) When such employees are working in isolation: or

(ii) Where physical limitations of available working space creates a hazard of falling into the water; or

(iii) Where the work area is obstructed by cargo or other obstacles so as to prevent employees from obtaining safe footing for their work.

(b) Employees working on, over or along water, where the danger of drowning exists, shall be provided with and shall wear approved personal flotation devices.

(i) Employees are not considered exposed to the danger of drowning when:

(A) Working behind standard height and strength guardrails;

(B) Working inside operating cabs or stations which eliminate the possibility of accidental falling into the water;

(C) Wearing approved safety belts with lifeline attached so as to preclude the possibility of falling into the water.

(ii) Prior to and after each use, personal flotation devices shall be inspected for defects which would reduce their designed effectiveness. Defective personal flotation devices shall not be used.

(iii) To meet the requirement of (b) of this subsection, a personal flotation device shall be approved by the United States Coast Guard as a Type I PFD, Type II PFD, Type III PFD, or Type V PFD, or equivalent, pursuant to 46 CFR 160 (Coast Guard Lifesaving Equipment Specifications) and 33 CFR 175.23 (Coast Guard Table of Devices Equivalent to Personal Flotation Devices). (~~Ski belt or inflatable type personal flotation devices are specifically prohibited.~~)

(c) Life rings.

(i) Along docks, walkways or other fixed installations on or adjacent to open water more than five feet deep, approved life rings with line attached shall be provided. The life rings shall be spaced at intervals not to exceed two hundred feet and shall be kept in easily visible and readily accessible locations.

(ii) When employees are assigned work at other casual locations where exposure to drowning exists, at least one approved life ring with line attached shall be provided in the immediate vicinity of the work.

(iii) Work assigned over water where the vertical drop from an accidental fall exceeds fifty feet, is subject to specific procedures approved by the department.

(iv) Lines attached to life rings shall be at least ninety feet (27.43 m) in length, at least one-quarter inch in diameter

and have a minimum breaking strength of five hundred pounds.

(v) Life rings must be United States Coast Guard approved thirty inch size (76.2 cm).

(vi) Life rings and attached lines must be maintained to retain at least seventy-five percent of their designed buoyancy and strength.

(3) Emergency facilities. When employees are exposed to hazardous substances which may require emergency bathing, eye washing or other facilities, the employer shall provide such facilities and maintain them in good working order.

(4) Employers shall instruct employees to report every injury, regardless of severity, to the employer.

(5) Stretchers.

(a) There shall be available for each vessel being worked one Stokes basket stretcher, or its equivalent, permanently equipped with bridles for attaching to the hoisting gear.

(b) Stretchers shall be kept close to vessels and shall be positioned to avoid damage to the stretcher.

(c) A blanket or other suitable covering shall be available.

(d) Stretchers shall have at least four sets of effective patient restraints in operable condition.

(e) Lifting bridles shall be of adequate strength, capable of lifting 1,000 pounds (454 kg) with a safety factor of five, and shall be maintained in operable condition. Lifting bridles shall be provided for making vertical patient lifts at container berths. Stretchers for vertical lifts shall have foot plates.

(f) Stretchers shall be maintained in operable condition. Struts and braces shall be inspected for damage. Wire mesh shall be secured and have no burrs. Damaged stretchers shall not be used until repaired.

(g) Stretchers in permanent locations shall be mounted to prevent damage and shall be protected from the elements if located out-of-doors. If concealed from view, closures shall be marked to indicate the location of the life saving equipment.

(6) Telephone or equivalent means of communication shall be readily available.

(7) Employees working on any bridge or structure leading to a detached vessel berthing installation shall wear United States Coast Guard approved personal flotation devices except where protected by railings, nets, or safety belts and lifelines.

(8) Life ladders. On all docks there shall be substantial built-in-place ladders, spaced at intervals not to exceed four hundred feet, to reach the lowest water use. When portable ladders are to be used, ladders may be bolted to the bullrail or dock structure, or ladders can be secured to an embedded eye bolt in a concrete dock surface. The immediate area where such ladders or fastenings are located shall be painted with a bright color or of a color which contrasts with the surrounding area. There shall be a ladder at each end of the dock.

AMENDATORY SECTION (Amending Order 86-02, filed 1/17/86)

WAC 296-56-60221 Illumination. Lighting. All areas shall be lighted to meet the requirements of this code.

(1) Active work areas shall be lighted in such a manner that the general area being worked will be illuminated at a minimum intensity of approximately five foot candles measured thirty inches above the dock floor. Supplemental lighting shall be utilized where more than the minimum intensity is necessary for safe operation.

(a) The lighting intensity shall be measured at the task/working surface in the plane in which the task/working surface is present.

(b) Lights shall, so far as possible, be placed so that they will not shine in the eyes of employees.

(2) A minimum of three foot candles illumination measured in the manner described above shall be maintained at all points along the bull rail.

(3) The quality of light shall be such that it is reasonably free from glare, and has correct direction, diffusion, and distribution.

(4) Lighting shall not be obstructed by any placement of cargo, structures or other objects which might create a shadow in the work area. Portable lighting shall be provided in those areas that do not meet the minimum requirements of this subsection.

(5) Portable illumination.

(a) All walking and working areas shall be illuminated.

(b) Portable lights shall meet the following requirements:

(i) Portable lights shall be equipped with reflectors and guards to prevent flammable and other material from coming in contact with the bulb, except that guards are not required where the construction of the reflector is such that the bulb is recessed.

(ii) Portable lights shall be equipped with heavy duty electric cords. They may be suspended by such cords only when the means of attachment of the cord to the light is such as to prevent the light from being suspended by the electrical connections.

(iii) All connections and insulation shall be maintained.

(iv) Lighting wires and fixtures for portable lights shall be so arranged as to be free from contact with drafts, running gear, or other moving equipment.

AMENDATORY SECTION (Amending WSR 05-03-093, filed 1/18/05, effective 3/1/05)

WAC 296-56-60235 Welding, cutting and heating (hot work) (see also definition of "hazardous cargo, material, substance or atmosphere"). (1) Definition. "Hot work" means riveting, welding, flame cutting or other fire or spark-producing operation.

(2) Hot work in confined spaces. Hot work shall not be performed in a confined space until all requirements of chapter ((296-62)) 296-809 WAC, ((Part M,)) are met.

(3) Fire protection.

(a) To the extent possible, hot work shall be performed in designated locations that are free of fire hazards.

(b) When hot work must be performed in a location that is not free of fire hazards, all necessary precautions shall be taken to confine heat, sparks, and slag so that they cannot contact flammable or combustible material.

(c) Fire extinguishing equipment suitable for the location shall be immediately available and shall be maintained in readiness for use at all times.

(d) When the hot work operation is such that normal fire prevention precautions are not sufficient, additional personnel shall be assigned to guard against fire during hot work and for a sufficient time after completion of the work to ensure that no fire hazard remains. The employer shall instruct all employees involved in hot work operations as to potential fire hazards and the use of fire fighting equipment.

(e) Drums and containers which contain or have contained flammable or combustible liquids shall be kept closed. Empty containers shall be removed from the hot work area.

(f) When openings or cracks in flooring cannot be closed, precautions shall be taken to ensure that no employees or flammable or combustible materials are exposed to sparks dropping through the floor. Similar precautions shall be taken regarding cracks or holes in walls, open doorways and open or broken windows.

(g) Hot work shall not be performed:

(i) In flammable or potentially flammable atmospheres;

(ii) On or in equipment or tanks that have contained flammable gas or liquid or combustible liquid or dust-producing material, until a designated person has tested the atmosphere inside the equipment or tanks and determined that it is not hazardous; or

(iii) Near any area in which exposed readily ignitable materials such as bulk sulphur, baled paper or cotton are stored. Bulk sulphur is excluded from this prohibition if suitable precautions are followed, the person in charge is knowledgeable and the person performing the work has been instructed in preventing and extinguishing sulphur fires.

(h)(i) Drums, containers or hollow structures that have contained flammable or combustible substances shall either be filled with water or cleaned, and shall then be ventilated. A designated person shall test the atmosphere and determine that it is not hazardous before hot work is performed on or in such structures.

(ii) Before heat is applied to a drum, container or hollow structure, an opening to release built-up pressure during heat application shall be provided.

(4) Gas welding and cutting.

(a) Compressed gas cylinders:

(i) Shall have valve protection caps in place except when in use, hooked up or secured for movement. Oil shall not be used to lubricate caps;

(ii) Shall be hoisted only while secured, as on a cradle or pallet, and shall not be hoisted by magnet, choker sling or cylinder caps;

(iii) Shall be moved only by tilting or rolling on their bottom edges;

(iv) Shall be secured when moved by vehicle;

(v) Shall be secured while in use;

(vi) Shall have valves closed when cylinders are empty, being moved or stored;

(vii) Shall be secured upright except when hoisted or carried;

(viii) Shall not be freed when frozen by prying the valves or caps with bars or by hitting the valve with a tool;

(ix) Shall not be thawed by boiling water;

(x) Shall not be exposed to sparks, hot slag, or flame;

(xi) Shall not be permitted to become part of electrical circuits or have electrodes struck against them to strike arcs;

(xii) Shall not be used as rollers or supports;

(xiii) Shall not have contents used for purposes not authorized by the supplier;

(xiv) Shall not be used if damaged or defective;

(xv) Shall not have gases mixed within, except by gas suppliers;

(xvi) Shall be stored so that oxygen cylinders are separated from fuel gas cylinders and combustible materials by either a minimum distance of twenty feet (6.1 m) or a barrier having a fire-resistance rating of thirty minutes; and

(xvii) Shall not have objects that might either damage the safety device or obstruct the valve placed on top of the cylinder when in use.

(b) Use of fuel gas. Fuel gas shall be used only as follows:

(i) Before regulators are connected to cylinder valves, the valves shall be opened slightly (cracked) and closed immediately to clear away dust or dirt. Valves shall not be cracked if gas could reach possible sources of ignition;

(ii) Cylinder valves shall be opened slowly to prevent regulator damage and shall not be opened more than one and one-half turns. Any special wrench required for emergency closing shall be positioned on the valve stem during cylinder use. For manifolded or coupled cylinders, at least one wrench shall be immediately available. Nothing shall be placed on top of a cylinder or associated parts when the cylinder is in use;

(iii) Pressure-reducing regulators shall be attached to cylinder valves when cylinders are supplying torches or devices equipped with shut-off valves;

(iv) Cylinder valves shall be closed and gas released from the regulator or manifold before regulators are removed;

(v) Leaking fuel gas cylinder valves shall be closed and the gland nut tightened. If the leak continues, the cylinder shall be tagged, removed from service, and moved to a location where the leak will not be hazardous. If a regulator attached to a valve stops a leak, the cylinder need not be removed from the workplace but shall be tagged and may not be used again before it is repaired; and

(vi) If a plug or safety device leaks, the cylinder shall be tagged, removed from service, and moved to a location where the leak will not be hazardous.

(c) Hose.

(i) Fuel gas and oxygen hoses shall be easily distinguishable from each other by color or sense of touch. Oxygen and fuel hoses shall not be interchangeable. Hoses having more than one gas passage shall not be used.

(ii) When oxygen and fuel gas hoses are taped together, not more than four of each twelve inches (10.16 cm of each 30.48 cm) shall be taped.

(iii) Hose shall be inspected before use. Hose subjected to flashback or showing evidence of severe wear or damage shall be tested to twice the normal working pressure but not less than two hundred p.s.i. (1378.96 kPa) before reuse. Defective hose shall not be used.

(iv) Hose couplings shall not unlock or disconnect without rotary motion.

(v) Hose connections shall be clamped or securely fastened to withstand twice the normal working pressure but not less than three hundred p.s.i. (2068.44 kPa) without leaking.

(vi) Gas hose storage boxes shall be ventilated.

(d) Torches.

(i) Torch tip openings shall only be cleaned with devices designed for that purpose.

(ii) Torches shall be inspected before each use for leaking shut-off valves, hose couplings and tip connections. Torches shall be inspected before each use for leaking shut-off valves, hose couplings and tip connections. Torches with such defects shall not be used.

(iii) Torches shall not be lighted from matches, cigarette lighters, other flames or hot work.

(e) Pressure regulators. Pressure regulators, including associated gauges, shall be maintained in safe working order.

(f) Operational precaution. Gas welding equipment shall be maintained free of oil and grease.

(5) Arc welding and cutting.

(a) Manual electrode holders.

(i) The employer shall ensure that only manual electrode holders intended for arc welding and cutting and capable of handling the maximum current required for such welding or cutting shall be used.

(ii) Current-carrying parts passing through those portions of the holder gripped by the user and through the outer surfaces of the jaws of the holder shall be insulated against the maximum voltage to ground.

(b) Welding cables and connectors.

(i) Arc welding and cutting cables shall be insulated, flexible and capable of handling the maximum current required by the operation, taking into account the duty cycles.

(ii) Only cable free from repair or splice for ten feet (3 m) from the electrode holder shall be used unless insulated connectors or splices with insulating quality equal to that of the cable are provided.

(iii) When a cable other than the lead mentioned in (b)(ii) of this subsection wears and exposes bare conductors, the portion exposed shall not be used until it is protected by insulation equivalent in performance capacity to the original.

(iv) Insulated connectors of equivalent capacity shall be used for connecting or splicing cable. Cable lugs, where used as connectors, shall provide electrical contact. Exposed metal parts shall be insulated.

(c) Ground returns and machine grounding.

(i) Ground return cables shall have current-carrying capacity equal to or exceeding the total maximum output capacities of the welding or cutting units served.

(ii) Structures or pipelines, other than those containing gases or flammable liquids or conduits containing electrical circuits, may be used in the ground return circuit if their current-carrying capacity equals or exceeds the total maximum output capacities of the welding or cutting units served.

(iii) Structures or pipelines forming a temporary ground return circuit shall have electrical contact at all joints. Arcs, sparks or heat at any point in the circuit shall cause rejection as a ground circuit.

(iv) Structures or pipelines acting continuously as ground return circuits shall have joints bonded and maintained to ensure that no electrolysis or fire hazard exists.

(v) Arc welding and cutting machine frames shall be grounded, either through a third wire in the cable containing the circuit conductor or through a separate wire at the source of the current. Grounding circuits shall have resistance low enough to permit sufficient current to flow to cause the fuse or circuit breaker to interrupt the current.

(vi) Ground connections shall be mechanically and electrically adequate to carry the current.

(d) When electrode holders are left unattended, electrodes shall be removed and holders placed to prevent employee injury.

(e) Hot electrode holders shall not be dipped in water.

(f) The employer shall ensure that when arc welders or cutters leave or stop work or when machines are moved, the power supply switch is kept in the off position.

(g) Arc welding or cutting equipment having a functional defect shall not be used.

(h)(i) Arc welding and cutting operations shall be separated from other operations by shields, screens, or curtains to protect employees in the vicinity from the direct rays and sparks of the arc.

(ii) Employees in areas not protected from the arc by screening shall be protected by appropriate filter lenses in accordance with subsection (8) of this section. When welders are exposed to their own arc or to each other's arc, they shall wear filter lenses complying with the requirements of subsection (8) of this section.

(i) The control apparatus of arc welding machines shall be enclosed, except for operating wheels, levers, and handles.

(j) Input power terminals, top change devices and live metal parts connected to input circuits shall be enclosed and accessible only by means of insulated tools.

(k) When arc welding is performed in wet or high-humidity conditions, employees shall use additional protection, such as rubber pads or boots, against electric shock.

(6) Ventilation and employee protection in welding, cutting and heating.

(a) Mechanical ventilation requirements. The employer shall ensure that general mechanical ventilation or local exhaust systems shall meet the following requirements:

(i) General mechanical ventilation shall maintain vapors, fumes and smoke below a hazardous level;

(ii) Local exhaust ventilation shall consist of movable hoods positioned close to the work and shall be of such capacity and arrangement as to keep breathing zone concentrations below hazardous levels;

(iii) Exhausts from working spaces shall be discharged into the open air, clear of intake air sources;

(iv) Replacement air shall be clean and respirable; and

(v) Oxygen shall not be used for ventilation, cooling or cleaning clothing or work areas.

(b) Hot work in confined spaces. Except as specified in (c)(ii) and (iii) of this subsection, when hot work is performed in a confined space the employer shall, in addition to the requirements of chapter ~~((296-62))~~ 296-809 WAC, ~~((Part M))~~ ensure that:

(i) General mechanical or local exhaust ventilations shall be provided; or

(ii) Employees in the space shall wear respirators in accordance with chapter 296-842 WAC.

(c) Welding, cutting or heating of toxic metals.

(i) In confined or enclosed spaces, hot work involving the following metals shall only be performed with general mechanical or local exhaust ventilation that ensures that employees are not exposed to hazardous levels of fumes:

(A) Lead base metals;

(B) Cadmium-bearing filler materials; and

(C) Chromium-bearing metals or metals coated with chromium-bearing materials.

(ii) In confined or enclosed spaces, hot work involving the following metals shall only be performed with local exhaust ventilation meeting the requirements of this subsection or by employees wearing supplied air respirators in accordance with chapter 296-842 WAC;

(A) Zinc-bearing base or filler metals or metals coated with zinc-bearing materials;

(B) Metals containing lead other than as an impurity, or coated with lead-bearing materials;

(C) Cadmium-bearing or cadmium-coated base metals; and

(D) Metals coated with mercury-bearing materials.

(iii) Employees performing hot work in confined or enclosed spaces involving beryllium-containing base or filler metals shall be protected by local exhaust ventilation and wear supplied air respirators or self-contained breathing apparatus, in accordance with the requirements of chapter 296-842 WAC.

(iv) The employer shall ensure that employees performing hot work in the open air that involves any of the metals listed in (c)(i) and (ii) of this subsection shall be protected by respirators in accordance with the requirements of chapter 296-842 WAC and those working on beryllium-containing base or filler metals shall be protected by supplied air respirators, in accordance with the requirements of chapter 296-842 WAC.

(v) Any employee exposed to the same atmosphere as the welder or burner shall be protected by the same type of respiratory and other protective equipment as that worn by the welder or burner.

(d) Inert-gas metal-arc welding. Employees shall not engage in and shall not be exposed to the inert-gas metal-arc welding process unless the following precautions are taken:

(i) Chlorinated solvents shall not be used within two hundred feet (61 m) of the exposed arc. Surfaces prepared with chlorinated solvents shall be thoroughly dry before welding is performed on them.

(ii) Employees in areas not protected from the arc by screening shall be protected by appropriate filter lenses in accordance with the requirements of subsection (8) of this section. When welders are exposed to their own arc or to each other's arc, filter lenses complying with the requirements of subsection (8) of this section shall be worn to protect against flashes and radiant energy.

(iii) Employees exposed to radiation shall have their skin covered completely to prevent ultraviolet burns and damage.

Helmets and hand shields shall not have leaks, openings or highly reflective surfaces.

(iv) Inert-gas metal-arc welding on stainless steel shall not be performed unless exposed employees are protected either by local exhaust ventilation or by wearing supplied air respirators in accordance with the requirements of chapter 296-842 WAC.

(7) Welding, cutting and heating on preservative coatings.

(a) Before hot work is commenced on surfaces covered by a preservative coating of unknown flammability, a test shall be made by a designated person to determine the coating's flammability. Preservative coatings shall be considered highly flammable when scrapings burn with extreme rapidity.

(b) Appropriate precaution shall be taken to prevent ignition of highly flammable hardened preservative coatings. Highly flammable coatings shall be stripped from the area to be heated. An uncoiled fire hose with fog nozzle, under pressure, shall be immediately available in the hot work area.

(c) Surfaces covered with preservative coatings shall be stripped for at least four inches (10.16 cm) from the area of heat application or employees shall be protected by supplied air respirators in accordance with the requirements of chapter ((296-62)) 296-842 WAC.

(8) Protection against radiant energy.

(a) Employees shall be protected from radiant energy eye hazards by spectacles, cup goggles, helmets, hand shields or face shields with filter lenses complying with the requirements of this subsection.

(b) Filter lenses shall have an appropriate shade number, as indicated in Table G-1, for the work performed. Variations of one or two shade numbers are permissible to suit individual preferences.

(c) If filter lenses are used in goggles worn under the helmet, the shade numbers of both lenses equals the value shown in Table G-1 for the operation.

Table G-1.—Filter Lenses for Protection Against Radiant Energy

Operation	Shade No.
Soldering	2
Torch Brazing	3 or 4
Light cutting, up to 1 inch	3 or 4
Medium cutting, 1-6 inches	4 or 5
Heavy cutting, over 6 inches	5 or 6
Light gas welding, up to 1/8 inch	4 or 5
Medium gas welding, 1/8-1/2 inch	5 or 6
Heavy gas welding, over 1/2 inch	6 or 8
Shielded Metal-Arc Welding 1/16 to 5/32-inch electrodes	10
Inert gas Metal-Arc Welding (nonferrous) 1/16 to 5/32-inch electrodes	11
Shielded Metal-Arc Welding: 3/16 to 1/4-inch electrodes	12
5/16 and 3/8-inch electrodes	14

WSR 09-15-145
PERMANENT RULES
DEPARTMENT OF
LABOR AND INDUSTRIES

[Filed July 21, 2009, 9:32 a.m., effective September 1, 2009]

Effective Date of Rule: September 1, 2009.

Purpose: OSHA has amended their rules to clarify that employers are to provide PPE, especially respirators, for each employee who needs one. They also have reworded their rules to ensure that training is provided to each and every employee. DOSH has a statutory obligation to remain as-effective-as OSHA and are amending our wording to reflect OSHA's language.

Citation of Existing Rules Affected by this Order: New section WAC 296-800-16002 Compliance duties owed to each employee; and amending WAC 296-62-07306 Requirements for areas containing carcinogens listed in WAC 296-62-07302, 296-62-07308 General regulated area requirements, 296-62-07329 Vinyl chloride, 296-62-07336 Acrylonitrile, 296-62-07342 1,2-Dibromo-3-chloropropane, 296-62-07413 Respirator protection, 296-62-07425 Communication of cadmium hazards to employees, 296-62-07460 Butadiene, 296-62-07470 Methylene chloride, 296-62-07521 Lead, 296-62-07615 Respiratory protection, 296-62-07715 Respiratory protection, 296-62-08015 Respiratory protection, 296-62-14533 Cotton dust, 296-62-20011 Respiratory protection, 296-155-17317 Respiratory protection, 296-155-174 Cadmium, 296-155-17613 Respiratory protection, 296-155-17625 Employee information and training, 296-155-717 Training, 296-811-40015 Self-contained breathing apparatus' (SCBAs), 296-817-20020 Make sure exposed employees receive training about noise and hearing protection, 296-842-12005 Develop and maintain a written program, 296-848-40045 Respirators, 296-849-13045 Respirators, 296-855-40040 Respirators, and 296-856-40030 Respirators.

Statutory Authority for Adoption: RCW 49.17.010, 49.17.040, 49.17.050, 49.17.060.

Adopted under notice filed as WSR 09-08-105 on March 31, 2009.

Number of Sections Adopted in Order to Comply with Federal Statute: New 1, Amended 27, Repealed 0; Federal Rules or Standards: New 0, Amended 0, Repealed 0; or Recently Enacted State Statutes: New 0, Amended 0, Repealed 0.

Number of Sections Adopted at Request of a Nongovernmental Entity: New 0, Amended 0, Repealed 0.

Number of Sections Adopted on the Agency's Own Initiative: New 0, Amended 0, Repealed 0.

Number of Sections Adopted in Order to Clarify, Streamline, or Reform Agency Procedures: New 0, Amended 0, Repealed 0.

Number of Sections Adopted Using Negotiated Rule Making: New 0, Amended 0, Repealed 0; Pilot Rule Making: New 0, Amended 0, Repealed 0; or Other Alternative Rule Making: New 0, Amended 0, Repealed 0.

Date Adopted: July 21, 2009.

Judy Schurke
 Director

AMENDATORY SECTION (Amending WSR 05-03-093, filed 1/18/05, effective 3/1/05)

WAC 296-62-07306 Requirements for areas containing carcinogens listed in WAC 296-62-07302. (1) A regulated area shall be established by an employer where listed carcinogens are manufactured, processed, used, repackaged, released, handled or stored.

(2) All such areas shall be controlled in accordance with the requirements for the following category or categories describing the operation involved:

(a) Isolated systems. Employees working with carcinogens within an isolated system such as a "glove box" shall wash their hands and arms upon completion of the assigned task and before engaging in other activities not associated with the isolated system.

(b) Closed system operation. Within regulated areas where carcinogens are stored in sealed containers, or contained in a closed system including piping systems with any sample ports or openings closed while carcinogens are contained within:

(i) Access shall be restricted to authorized employees only;

(ii) Employees shall be required to wash hands, forearms, face and neck upon each exit from the regulated areas, close to the point of exit and before engaging in other activities.

(c) Open vessel system operations. Open vessel system operations as defined in WAC 296-62-07304(12) are prohibited.

(d) Transfer from a closed system. Charging or discharging point operations, or otherwise opening a closed system. In operations involving "laboratory-type hoods," or in locations where a carcinogen is contained in an otherwise "closed system," but is transferred, charged, or discharged into other normally closed containers, the provisions of this section shall apply.

(i) Access shall be restricted to authorized employees only;

(ii) Each operation shall be provided with continuous local exhaust ventilation so that air movement is always from ordinary work areas to the operation. Exhaust air shall not be discharged to regulated areas, nonregulated areas or the external environment unless decontaminated. Clean makeup air shall be introduced in sufficient volume to maintain the correct operation of the local exhaust system.

(iii) Employees shall be provided with, and required to wear, clean, full body protective clothing (smocks, coveralls, or long-sleeved shirt and pants), shoe covers and gloves prior to entering the regulated area.

(iv) Each employee((s)) engaged in handling operations involving the following carcinogens must be provided with and required to wear and use a full-face, supplied-air respirator, of the continuous flow or pressure-demand type as required in chapter 296-842 WAC:

- Methyl Chloromethyl Ether;
- bis-Chloromethyl Ether;
- Ethylenimine;

- beta-Propiolactone;
 - 4-Amino Diphenyl.
- (v) Employees engaged in handling operations involving:

- 4-nitrobiphenyl;
- alpha-naphthylamine;
- 4-4'methylene bis(2-chloroaniline);
- 3-3'dichlorobenzidine (and its salts);
- beta-naphthylamine;
- benzidine;
- 2-acetylaminofluorene;
- 4-dimethylaminobenzene;
- n-nitrosodimethylamine

must be provided with, and required to wear and use, a half-face, filter-type respirator certified for solid or liquid particulates with minimum efficiency rating of 95% as required in chapter 296-842 WAC. A respirator affording higher levels of protection than this respirator may be substituted.

(vi) Prior to each exit from a regulated area, employees shall be required to remove and leave protective clothing and equipment at the point of exit and at the last exit of the day, to place used clothing and equipment in impervious containers at the point of exit for purposes of decontamination or disposal. The contents of such impervious containers shall be identified, as required under WAC 296-62-07310 (2), (3) and (4).

(vii) Employees shall be required to wash hands, forearms, face and neck on each exit from the regulated area, close to the point of exit, and before engaging in other activities.

(viii) Employees shall be required to shower after the last exit of the day.

(ix) Drinking fountains are prohibited in the regulated area.

(e) Maintenance and decontamination activities. In clean up of leaks or spills, maintenance or repair operations on contaminated systems or equipment, or any operations involving work in an area where direct contact with carcinogens could result, each authorized employee entering the area shall:

(i) Be provided with and required to wear, clean, impervious garments, including gloves, boots and continuous-air supplied hood in accordance with WAC 296-800-160, and respiratory protective equipment required by this chapter 296-842 WAC;

(ii) Be decontaminated before removing the protective garments and hood;

(iii) Be required to shower upon removing the protective garments and hood.

(f) Laboratory activities. The requirements of this subdivision shall apply to research and quality control activities involving the use of carcinogens listed in WAC 296-62-07302.

(i) Mechanical pipetting aids shall be used for all pipetting procedures.

(ii) Experiments, procedures and equipment which could produce aerosols shall be confined to laboratory-type hoods or glove boxes.

(iii) Surfaces on which carcinogens are handled shall be protected from contamination.

(iv) Contaminated wastes and animal carcasses shall be collected in impervious containers which are closed and decontaminated prior to removal from the work area. Such wastes and carcasses shall be incinerated in such a manner that no carcinogenic products are released.

(v) All other forms of listed carcinogens shall be inactivated prior to disposal.

(vi) Laboratory vacuum systems shall be protected with high efficiency scrubbers or with disposable absolute filters.

(vii) Employees engaged in animal support activities shall be:

(A) Provided with, and required to wear, a complete protective clothing change, clean each day, including coveralls or pants and shirt, foot covers, head covers, gloves, and appropriate respiratory protective equipment or devices; and

(B) Prior to each exit from a regulated area, employees shall be required to remove and leave protective clothing and equipment at the point of exit and at the last exit of the day, to place used clothing and equipment in impervious containers at the point of exit for purposes of decontamination or disposal. The contents of such impervious containers shall be identified as required under WAC 296-62-07310 (2), (3) and (4).

(C) Required to wash hands, forearms, face and neck upon each exit from the regulated area close to the point of exit, and before engaging in other activities; and

(D) Required to shower after the last exit of the day.

(viii) Employees, other than those engaged only in animal support activities, each day shall be:

(A) Provided with and required to wear a clean change of appropriate laboratory clothing, such as a solid front gown, surgical scrub suit, or fully buttoned laboratory coat.

(B) Prior to each exit from a regulated area, employees shall be required to remove and leave protective clothing and equipment at the point of exit and at the last exit of the day, to place used clothing and equipment in impervious containers at the point of exit for purposes of decontamination or disposal. The contents of such impervious containers shall be identified as required under WAC 296-62-07310 (2), (3) and (4).

(C) Required to wash hands, forearms, face and neck upon each exit from the regulated area close to the point of exit, and before engaging in other activities.

(ix) Air pressure in laboratory areas and animal rooms where carcinogens are handled and bioassay studies are performed shall be negative in relation to the pressure in surrounding areas. Exhaust air shall not be discharged to regulated areas, nonregulated areas or the external environment unless decontaminated.

(x) There shall be no connection between regulated areas and any other areas through the ventilation system.

(xi) A current inventory of the carcinogens shall be maintained.

(xii) Ventilated apparatus such as laboratory-type hoods, shall be tested at least semi-annually or immediately after

ventilation modification or maintenance operations, by personnel fully qualified to certify correct containment and operation.

AMENDATORY SECTION (Amending WSR 03-18-090, filed 9/2/03, effective 11/1/03)

WAC 296-62-07308 General regulated area requirements. (1) Respirator program. The employer must implement a respiratory protection program as required in chapter 296-62 WAC, Part E (except WAC 296-62-07130 (1) and (5) and 296-62-07131), which covers each employee required by this chapter to use a respirator.

(2) Emergencies. In an emergency, immediate measures including, but not limited to, the requirements of (a), (b), (c), (d) and (e) of this subsection shall be implemented.

(a) The potentially affected area shall be evacuated as soon as the emergency has been determined.

(b) Hazardous conditions created by the emergency shall be eliminated and the potentially affected area shall be decontaminated prior to the resumption of normal operations.

(c) Special medical surveillance by a physician shall be instituted within twenty-four hours for employees present in the potentially affected area at the time of the emergency. A report of the medical surveillance and any treatment shall be included in the incident report, in accordance with WAC 296-62-07312(2).

(d) Where an employee has a known contact with a listed carcinogen, such employee shall be required to shower as soon as possible, unless contraindicated by physical injuries.

(e) An incident report on the emergency shall be reported as provided in WAC 296-62-07312(2).

(3) Hygiene facilities and practices.

(a) Storage or consumption of food, storage or use of containers of beverages, storage or application of cosmetics, smoking, storage of smoking materials, tobacco products or other products for chewing, or the chewing of such products, are prohibited in regulated areas.

(b) Where employees are required by this section to wash, washing facilities shall be provided in accordance with WAC 296-800-230.

(c) Where employees are required by this section to shower, shower facilities shall be provided.

(i) One shower shall be provided for each ten employees of each sex, or numerical fraction thereof, who are required to shower during the same shift.

(ii) Body soap or other appropriate cleansing agents convenient to the showers shall be provided as specified in WAC 296-800-230, of the safety and health core rules.

(iii) Showers shall be provided with hot and cold water feeding a common discharge line.

(iv) Employees who use showers shall be provided with individual clean towels.

(d) Where employees wear protective clothing and equipment, clean change rooms shall be provided and shall be equipped with storage facilities for street clothes and separate storage facilities for the protective clothing for the number of such employees required to change clothes.

(e) Where toilets are in regulated areas, such toilets shall be in a separate room.

(4) Contamination control.

(a) Regulated areas, except for outdoor systems, shall be maintained under pressure negative with respect to nonregulated areas. Local exhaust ventilation may be used to satisfy this requirement. Clean makeup air in equal volume shall replace air removed.

(b) Any equipment, material, or other item taken into or removed from a regulated area shall be done so in a manner that does not cause contamination in nonregulated areas or the external environment.

(c) Decontamination procedures shall be established and implemented to remove carcinogens from the surfaces of materials, equipment and the decontamination facility.

(d) Dry sweeping and dry mopping are prohibited.

AMENDATORY SECTION (Amending WSR 07-05-072, filed 2/20/07, effective 4/1/07)

WAC 296-62-07329 Vinyl chloride. (1) Scope and application.

(a) This section includes requirements for the control of employee exposure to vinyl chloride (chloroethene), Chemical Abstracts Service Registry No. 75014.

(b) This section applies to the manufacture, reaction, packaging, repackaging, storage, handling or use of vinyl chloride or polyvinyl chloride, but does not apply to the handling or use of fabricated products made of polyvinyl chloride.

(c) This section applies to the transportation of vinyl chloride or polyvinyl chloride except to the extent that the department of transportation may regulate the hazards covered by this section.

(2) Definitions.

(a) "Action level" means a concentration of vinyl chloride of 0.5 ppm averaged over an eight-hour work day.

(b) "Authorized person" means any person specifically authorized by the employer whose duties require him/her to enter a regulated area or any person entering such an area as a designated representative of employees for the purpose of exercising an opportunity to observe monitoring and measuring procedures.

(c) "Director" means the director of department of labor and industries or his/her designated representative.

(d) "Emergency" means any occurrence such as, but not limited to, equipment failure, or operation of a relief device which is likely to, or does, result in massive release of vinyl chloride.

(e) "Fabricated product" means a product made wholly or partly from polyvinyl chloride, and which does not require further processing at temperatures, and for times, sufficient to cause mass melting of the polyvinyl chloride resulting in the release of vinyl chloride.

(f) "Hazardous operation" means any operation, procedure, or activity where a release of either vinyl chloride liquid or gas might be expected as a consequence of the operation or because of an accident in the operation, which would result in an employee exposure in excess of the permissible exposure limit.

(g) "Polyvinyl chloride" means polyvinyl chloride homopolymer or copolymer before such is converted to a fabricated product.

(h) "Vinyl chloride" means vinyl chloride monomer.

(3) Permissible exposure limit.

(a) No employee may be exposed to vinyl chloride at concentrations greater than 1 ppm averaged over any 8-hour period, and

(b) No employee may be exposed to vinyl chloride at concentrations greater than 5 ppm averaged over any period not exceeding 15 minutes.

(c) No employee may be exposed to vinyl chloride by direct contact with liquid vinyl chloride.

(4) Monitoring.

(a) A program of initial monitoring and measurement shall be undertaken in each establishment to determine if there is any employee exposed, without regard to the use of respirators, in excess of the action level.

(b) Where a determination conducted under subdivision (a) of this subsection shows any employee exposures without regard to the use of respirators, in excess of the action level, a program for determining exposures for each such employee shall be established. Such a program:

(i) Shall be repeated at least monthly where any employee is exposed, without regard to the use of respirators, in excess of the permissible exposure limit.

(ii) Shall be repeated not less than quarterly where any employee is exposed, without regard to the use of respirators, in excess of the action level.

(iii) May be discontinued for any employee only when at least two consecutive monitoring determinations, made not less than five working days apart, show exposures for that employee at or below the action level.

(c) Whenever there has been a production, process or control change which may result in an increase in the release of vinyl chloride, or the employer has any other reason to suspect that any employee may be exposed in excess of the action level, a determination of employee exposure under subdivision (a) of this subsection shall be performed.

(d) The method of monitoring and measurement shall have an accuracy (with a confidence level of 95 percent) of not less than plus or minus fifty percent from 0.25 through 0.5 ppm, plus or minus thirty-five percent from over 0.5 ppm through 1.0 ppm, plus or minus twenty-five percent over 1.0 ppm, (methods meeting these accuracy requirements are available from the director).

(e) Employees or their designated representatives shall be afforded reasonable opportunity to observe the monitoring and measuring required by this subsection.

(5) Regulated area.

(a) A regulated area shall be established where:

(i) Vinyl chloride or polyvinyl chloride is manufactured, reacted, repackaged, stored, handled or used; and

(ii) Vinyl chloride concentrations are in excess of the permissible exposure limit.

(b) Access to regulated areas shall be limited to authorized persons.

(6) Methods of compliance. Employee exposures to vinyl chloride shall be controlled to at or below the permissible exposure limit provided in subsection (3) of this section

by engineering, work practice, and personal protective controls as follows:

(a) Feasible engineering and work practice controls shall immediately be used to reduce exposures to at or below the permissible exposure limit.

(b) Wherever feasible engineering and work practice controls which can be instituted immediately are not sufficient to reduce exposures to at or below the permissible exposure limit, they shall nonetheless be used to reduce exposures to the lowest practicable level, and shall be supplemented by respiratory protection in accordance with subsection (7) of this section. A program shall be established and implemented to reduce exposures to at or below the permissible exposure limit, or to the greatest extent feasible, solely by means of engineering and work practice controls, as soon as feasible.

(c) Written plans for such a program shall be developed and furnished upon request for examination and copying to the director. Such plans shall be updated at least every six months.

(7) Respiratory protection.

(a) General. For employees who use respirators required by this section, the employer must provide each employee an appropriate respirator(s) that ~~((empty))~~ complies with the requirements of this section.

(b) Respirator program. The employer must develop, implement, and maintain a respiratory protection program as required in chapter 296-842 WAC, Respirators, ~~((except for))~~ which covers each employee required by this chapter to use a respirator. Exception: The requirements in WAC 296-842-13005 that address change out of vapor or gas respirator cartridges or canisters.

(c) Respirator selection. The employer must:

(i) Select and provide to employees appropriate respirators as specified in this section and WAC 296-842-13005 in the respirator rule.

(ii) Provide organic vapor cartridges that have a service life of at least one hour when employees use air-purifying respirators in vinyl chloride concentrations up to 10 parts per million (ppm).

(iii) Make sure the following respirators, when selected, are equipped with a canister with a service life of at least four hours when used in vinyl chloride concentrations up to 25 ppm:

(A) Helmet, hood, or full-facepiece PAPRs

OR

(B) Gas masks with a front- or back-mounted canister.

(d) Where air-purifying respirators are used:

(i) Air-purifying canisters or cartridges must be replaced prior to the expiration of their service life or the end of the shift in which they are first used, whichever occurs first, and

(ii) A continuous monitoring and alarm system must be provided when concentrations of vinyl chloride could reasonably exceed the allowable concentrations for the devices in use. Such system shall be used to alert employees when vinyl chloride concentrations exceed the allowable concentrations for the devices in use, and

(iii) Respirators specified for higher concentrations may be used for lower concentration.

(8) Hazardous operations.

(a) Employees engaged in hazardous operations, including entry of vessels to clean polyvinyl chloride residue from vessel walls, shall be provided and required to wear and use;

(i) Respiratory protection in accordance with subsections (3) and (7) of this section; and

(ii) Protective garments to prevent skin contact with liquid vinyl chloride or with polyvinyl chloride residue from vessel walls. The protective garments shall be selected for the operation and its possible exposure conditions.

(b) Protective garments shall be provided clean and dry for each use.

(c) Emergency situations. A written operational plan for emergency situations shall be developed for each facility storing, handling, or otherwise using vinyl chloride as a liquid or compressed gas. Appropriate portions of the plan shall be implemented in the event of an emergency. The plan shall specifically provide that:

(i) Employees engaged in hazardous operations or correcting situations of existing hazardous releases shall be equipped as required in subdivisions (a) and (b) of this subsection;

(ii) Other employees not so equipped shall evacuate the area and not return until conditions are controlled by the methods required in subsection (6) of this section and the emergency is abated.

(9) Training. Each employee engaged in vinyl chloride or polyvinyl chloride operations shall be provided training in a program relating to the hazards of vinyl chloride and precautions for its safe use.

(a) The program shall include:

(i) The nature of the health hazard from chronic exposure to vinyl chloride including specifically the carcinogenic hazard;

(ii) The specific nature of operations which could result in exposure to vinyl chloride in excess of the permissible limit and necessary protective steps;

(iii) The purpose for, proper use, and limitations of respiratory protective devices;

(iv) The fire hazard and acute toxicity of vinyl chloride, and the necessary protective steps;

(v) The purpose for and a description of the monitoring program;

(vi) The purpose for and a description of, the medical surveillance program;

(vii) Emergency procedures:

(A) Specific information to aid the employee in recognition of conditions which may result in the release of vinyl chloride; and

(B) A review of this standard at the employee's first training and indoctrination program, and annually thereafter.

(b) All materials relating to the program shall be provided upon request to the director.

(10) Medical surveillance. A program of medical surveillance shall be instituted for each employee exposed, without regard to the use of respirators, to vinyl chloride in excess of the action level. The program shall provide each such employee with an opportunity for examinations and tests in accordance with this subsection. All medical examinations and procedures shall be performed by or under the supervi-

sion of a licensed physician and shall be provided without cost to the employee.

(a) At the time of initial assignment, or upon institution of medical surveillance;

(i) A general physical examination shall be performed with specific attention to detecting enlargement of liver, spleen or kidneys, or dysfunction in these organs, and for abnormalities in skin, connective tissues and the pulmonary system (see Appendix A).

(ii) A medical history shall be taken, including the following topics:

(A) Alcohol intake,

(B) Past history of hepatitis,

(C) Work history and past exposure to potential hepatotoxic agents, including drugs and chemicals,

(D) Past history of blood transfusions, and

(E) Past history of hospitalizations.

(iii) A serum specimen shall be obtained and determinations made of:

(A) Total bilirubin,

(B) Alkaline phosphatase,

(C) Serum glutamic oxalacetic transaminase (SGOT),

(D) Serum glutamic pyruvic transaminase (SGPT), and

(E) Gamma glutamyl transpeptidase.

(b) Examinations provided in accordance with this subdivision shall be performed at least:

(i) Every six months for each employee who has been employed in vinyl chloride or polyvinyl chloride manufacturing for ten years or longer; and

(ii) Annually for all other employees.

(c) Each employee exposed to an emergency shall be afforded appropriate medical surveillance.

(d) A statement of each employee's suitability for continued exposure to vinyl chloride including use of protective equipment and respirators, shall be obtained from the examining physician promptly after any examination. A copy of the physician's statement shall be provided each employee.

(e) If any employee's health would be materially impaired by continued exposure, such employee shall be withdrawn from possible contact with vinyl chloride.

(f) Laboratory analyses for all biological specimens included in medical examinations shall be performed in laboratories licensed under 42 CFR Part 74.

(g) If the examining physician determines that alternative medical examinations to those required by subdivision (a) of this subsection will provide at least equal assurance of detecting medical conditions pertinent to the exposure to vinyl chloride, the employer may accept such alternative examinations as meeting the requirements of subdivision (a) of this subsection, if the employer obtains a statement from the examining physician setting forth the alternative examinations and the rationale for substitution. This statement shall be available upon request for examination and copying to authorized representatives of the director.

(11) Signs and labels.

(a) Entrances to regulated areas shall be posted with legible signs bearing the legend:

CANCER-SUSPECT AGENT AREA AUTHORIZED PERSONNEL
ONLY

(b) Areas containing hazardous operations or where an emergency currently exists shall be posted with legible signs bearing the legend:

CANCER-SUSPECT AGENT IN THIS AREA PROTECTIVE EQUIP-
MENT REQUIRED AUTHORIZED PERSONNEL ONLY

(c) Containers of polyvinyl chloride resin waste from reactors or other waste contaminated with vinyl chloride shall be legibly labeled:

CONTAMINATED WITH VINYL CHLORIDE CANCER-SUSPECT
AGENT

(d) Containers of polyvinyl chloride shall be legibly labeled:

POLYVINYL CHLORIDE (OR TRADE NAME) CONTAINS VINYL
CHLORIDE VINYL CHLORIDE IS A CANCER-SUSPECT AGENT

(e) Containers of vinyl chloride shall be legibly labeled either:

VINYL CHLORIDE EXTREMELY FLAMMABLE GAS UNDER PRES-
SURE CANCER-SUSPECT AGENT

(or)

(f) In accordance with 49 CFR Part 173, Subpart H, with the additional legends:

CANCER-SUSPECT AGENT

Applied near the label or placard.

(g) No statement shall appear on or near any required sign, label or instruction which contradicts or detracts from the effect of any required warning, information or instruction.

(12) Records.

(a) All records maintained in accordance with this section shall include the name and Social Security number of each employee where relevant.

(b) Records of required monitoring and measuring and medical records shall be provided upon request to employees, designated representatives, and the director in accordance with chapter 296-802 WAC. These records shall be provided upon request to the director. Authorized personnel rosters shall also be provided upon request to the director.

(i) Monitoring and measuring records shall:

(A) State the date of such monitoring and measuring and the concentrations determined and identify the instruments and methods used;

(B) Include any additional information necessary to determine individual employee exposures where such exposures are determined by means other than individual monitoring of employees; and

(C) Be maintained for not less than 30 years.

(ii) Medical records shall be maintained for the duration of the employment of each employee plus 20 years, or 30 years, whichever is longer.

(c) In the event that the employer ceases to do business and there is no successor to receive and retain his/her records for the prescribed period, these records shall be transmitted by registered mail to the director, and each employee individually notified in writing of this transfer. The employer shall also comply with any additional requirements set forth in chapter 296-802 WAC.

(d) Employees or their designated representatives shall be provided access to examine and copy records of required monitoring and measuring.

(e) Former employees shall be provided access to examine and copy required monitoring and measuring records reflecting their own exposures.

(f) Upon written request of any employee, a copy of the medical record of that employee shall be furnished to any physician designated by the employee.

(13) Reports.

(a) Not later than 1 month after the establishment of a regulated area, the following information shall be reported to the director. Any changes to such information shall be reported within fifteen days.

(i) The address and location of each establishment which has one or more regulated areas; and

(ii) The number of employees in each regulated area during normal operations, including maintenance.

(b) Emergencies and the facts obtainable at that time, shall be reported within twenty-four hours to the director. Upon request of the director, the employer shall submit additional information in writing relevant to the nature and extent of employee exposures and measures taken to prevent future emergencies of similar nature.

(c) Within ten working days following any monitoring and measuring which discloses that any employee has been exposed, without regard to the use of respirators, in excess of the permissible exposure limit, each such employee shall be notified in writing of the results of the exposure measurement and the steps being taken to reduce the exposure to within the permissible exposure limit.

(14) Appendix A supplementary medical information.

When required tests under subsection (10)(a) of this section show abnormalities, the tests should be repeated as soon as practicable, preferably within three to four weeks. If tests remain abnormal, consideration should be given to withdrawal of the employee from contact with vinyl chloride, while a more comprehensive examination is made.

Additional tests which may be useful:

(A) For kidney dysfunction: Urine examination for albumin, red blood cells, and exfoliative abnormal cells.

(B) Pulmonary system: Forced vital capacity, forced expiratory volume at one second, and chest roentgenogram (posterior-anterior, 14 x 17 inches).

(C) Additional serum tests: Lactic acid dehydrogenase, lactic acid dehydrogenase isoenzyme, protein determination, and protein electrophoresis.

(D) For a more comprehensive examination on repeated abnormal serum tests: Hepatitis B antigen, and liver scanning.

AMENDATORY SECTION (Amending WSR 07-05-072, filed 2/20/07, effective 4/1/07)

WAC 296-62-07336 Acrylonitrile. (1) Scope and application.

(a) This section applies to all occupational exposure to acrylonitrile (AN), Chemical Abstracts Service Registry No. 000107131, except as provided in (b) and (c) of this subsection.

(b) This section does not apply to exposures which result solely from the processing, use, and handling of the following materials:

(i) ABS resins, SAN resins, nitrile barrier resins, solid nitrile elastomers, and acrylic and modacrylic fibers, when these listed materials are in the form of finished polymers, and products fabricated from such finished polymers;

(ii) Materials made from and/or containing AN for which objective data is reasonably relied upon to demonstrate that the material is not capable of releasing AN in airborne concentrations in excess of 1 ppm as an eight-hour time-weighted average, under the expected conditions of processing, use, and handling which will cause the greatest possible release; and

(iii) Solid materials made from and/or containing AN which will not be heated above 170°F during handling, use, or processing.

(c) An employer relying upon exemption under (1)(b)(ii) shall maintain records of the objective data supporting that exemption, and of the basis of the employer's reliance on the data as provided in subsection (17) of this section.

(2) Definitions, as applicable to this section:

(a) "Acrylonitrile" or "AN" - acrylonitrile monomer, chemical formula $\text{CH}_2=\text{CHCN}$.

(b) "Action level" - a concentration of AN of 1 ppm as an eight-hour time-weighted average.

(c) "Authorized person" - any person specifically authorized by the employer whose duties require the person to enter a regulated area, or any person entering such an area as a designated representative of employees for the purpose of exercising the opportunity to observe monitoring procedures under subsection (18) of this section.

(d) "Decontamination" means treatment of materials and surfaces by water washdown, ventilation, or other means, to assure that the materials will not expose employees to airborne concentrations of AN above 1 ppm as an eight-hour time-weighted average.

(e) "Director" - the director of labor and industries, or his authorized representative.

(f) "Emergency" - any occurrence such as, but not limited to, equipment failure, rupture of containers, or failure of control equipment, which is likely to, or does, result in unexpected exposure to AN in excess of the ceiling limit.

(g) "Liquid AN" means AN monomer in liquid form, and liquid or semiliquid polymer intermediates, including slurries, suspensions, emulsions, and solutions, produced during the polymerization of AN.

(h) "Polyacrylonitrile" or "PAN" - polyacrylonitrile homopolymers or copolymers, except for materials as exempted under subsection (1)(b) of this section.

(3) Permissible exposure limits.

(a) Inhalation.

(i) Time-weighted average limit (TWA). The employer shall assure that no employee is exposed to an airborne concentration of acrylonitrile in excess of two parts acrylonitrile per million parts of air (2 ppm), as an eight-hour time-weighted average.

(ii) Ceiling limit. The employer shall assure that no employee is exposed to an airborne concentration of acrylonitrile in excess of 10 ppm as averaged over any fifteen-minute period during the working day.

(b) Dermal and eye exposure. The employer shall assure that no employee is exposed to skin contact or eye contact with liquid AN or PAN.

(4) Notification of use and emergencies.

(a) Use. Within ten days of the effective date of this standard, or within fifteen days following the introduction of AN into the workplace, every employer shall report, unless he has done so pursuant to the emergency temporary standard, the following information to the director for each such workplace:

(i) The address and location of each workplace in which AN is present;

(ii) A brief description of each process of operation which may result in employee exposure to AN;

(iii) The number of employees engaged in each process or operation who may be exposed to AN and an estimate of the frequency and degree of exposure that occurs; and

(iv) A brief description of the employer's safety and health program as it relates to limitation of employee exposure to AN. Whenever there has been a significant change in the information required by this subsection, the employer shall promptly amend such information previously provided to the director.

(b) Emergencies and remedial action. Emergencies, and the facts obtainable at that time, shall be reported within twenty-four hours of the initial occurrence to the director. Upon request of the director, the employer shall submit additional information in writing relevant to the nature and extent of employee exposures and measures taken to prevent future emergencies of a similar nature.

(5) Exposure monitoring.

(a) General.

(i) Determinations of airborne exposure levels shall be made from air samples that are representative of each employee's exposure to AN over an eight-hour period.

(ii) For the purposes of this section, employee exposure is that which would occur if the employee were not using a respirator.

(b) Initial monitoring. Each employer who has a place of employment in which AN is present shall monitor each such workplace and work operation to accurately determine the airborne concentrations of AN to which employees may be exposed. Such monitoring may be done on a representative basis, provided that the employer can demonstrate that the determinations are representative of employee exposures.

(c) Frequency.

(i) If the monitoring required by this section reveals employee exposure to be below the action level, the employer may discontinue monitoring for that employee. The employer shall continue these quarterly measurements until at least two consecutive measurements taken at least seven days apart, are

below the action level, and thereafter the employer may discontinue monitoring for that employee.

(ii) If the monitoring required by this section reveals employee exposure to be at or above the action level but below the permissible exposure limits, the employer shall repeat such monitoring for each such employee at least quarterly.

(iii) If the monitoring required by this section reveals employee exposure to be in excess of the permissible exposure limits, the employer shall repeat these determinations for each such employee at least monthly. The employer shall continue these monthly measurements until at least two consecutive measurements, taken at least seven days apart, are below the permissible exposure limits, and thereafter the employer shall monitor at least quarterly.

(d) Additional monitoring. Whenever there has been a production, process, control or personnel change which may result in new or additional exposure to AN, or whenever the employer has any other reason to suspect a change which may result in new or additional exposures to AN, additional monitoring which complies with this subsection shall be conducted.

(e) Employee notification.

(i) Within five working days after the receipt of monitoring results, the employer shall notify each employee in writing of the results which represent that employee's exposure.

(ii) Whenever the results indicate that the representative employee exposure exceeds the permissible exposure limits, the employer shall include in the written notice a statement that the permissible exposure limits were exceeded and a description of the corrective action being taken to reduce exposure to or below the permissible exposure limits.

(f) Accuracy of measurement. The method of measurement of employee exposures shall be accurate, to a confidence level of ninety-five percent, to within plus or minus twenty-five percent for concentrations of AN at or above the permissible exposure limits, and plus or minus thirty-five percent for concentrations of AN between the action level and the permissible exposure limits.

(g) Weekly survey of operations involving liquid AN. In addition to monitoring of employee exposures to AN as otherwise required by this subsection, the employer shall survey areas of operations involving liquid AN at least weekly to detect points where AN liquid or vapor are being released into the workplace. The survey shall employ an infra-red gas analyzer calibrated for AN, a multipoint gas chromatographic monitor, or comparable system for detection of AN. A listing of levels detected and areas of AN release, as determined from the survey, shall be posted prominently in the workplace, and shall remain posted until the next survey is completed.

(6) Regulated areas.

(a) The employer shall establish regulated areas where AN concentrations are in excess of the permissible exposure limits.

(b) Regulated areas shall be demarcated and segregated from the rest of the workplace, in any manner that minimizes the number of persons who will be exposed to AN.

(c) Access to regulated areas shall be limited to authorized persons or to persons otherwise authorized by the act or regulations issued pursuant thereto.

(d) The employer shall assure that in the regulated area, food or beverages are not present or consumed, smoking products are not present or used, and cosmetics are not applied, (except that these activities may be conducted in the lunchrooms, change rooms and showers required under subsections (13)(a) - (13)(c) of this section.

(7) Methods of compliance.

(a) Engineering and work practice controls.

(i) The employer shall institute engineering or work practice controls to reduce and maintain employee exposures to AN, to or below the permissible exposure limits, except to the extent that the employer establishes that such controls are not feasible.

(ii) Wherever the engineering and work practice controls which can be instituted are not sufficient to reduce employee exposures to or below the permissible exposure limits, the employer shall nonetheless use them to reduce exposures to the lowest levels achievable by these controls and shall supplement them by the use of respiratory protection which complies with the requirements of subsection (8) of this section.

(b) Compliance program.

(i) The employer shall establish and implement a written program to reduce employee exposures to or below the permissible exposure limits solely by means of engineering and work practice controls, as required by subsection (7)(a) of this section.

(ii) Written plans for these compliance programs shall include at least the following:

(A) A description of each operation or process resulting in employee exposure to AN above the permissible exposure limits;

(B) Engineering plans and other studies used to determine the controls for each process;

(C) A report of the technology considered in meeting the permissible exposure limits;

(D) A detailed schedule for the implementation of engineering or work practice controls; and

(E) Other relevant information.

(ii) The employer shall complete the steps set forth in the compliance program by the dates in the schedule.

(iv) Written plans for such a program shall be submitted upon request to the director, and shall be available at the worksite for examination and copying by the director, or any affected employee or representative.

(v) The plans required by this subsection shall be revised and updated at least every six months to reflect the current status of the program.

(8) Respiratory protection.

(a) General. For employees who use respirators required by this section, the employer must provide ~~((respirators that comply))~~ each employee an appropriate respirator that complies with the requirements of this subsection. Respirators must be used during:

(i) Periods necessary to install or implement feasible engineering and work-practice controls;

(ii) Work operations, such as maintenance and repair activities or reactor cleaning, for which the employer estab-

lishes that engineering and work-practice controls are not feasible;

(iii) Work operations for which feasible engineering and work-practice controls are not yet sufficient to reduce employee exposure to or below the permissible exposure limits;

(iv) In emergencies.

(b) Respirator program.

Employers must develop, implement and maintain a respiratory protection program in accordance with chapter 296-842 WAC, Respirators, which covers each employee required by this chapter to use a respirator.

(c) Respirator selection. The employer must:

(i) Select and provide to employees appropriate respirators by following the requirements in this section and WAC 296-842-13005 in the respirator rule.

(ii) Provide to employees, for escape, any organic vapor, air-purifying respirator or any self-contained breathing apparatus (SCBA) that meets the selection requirements of WAC 296-842-13005 in the respirator rule.

(9) Emergency situations.

(a) Written plans.

(i) A written plan for emergency situations shall be developed for each workplace where AN is present. Appropriate portions of the plan shall be implemented in the event of an emergency.

(ii) The plan shall specifically provide that employees engaged in correcting emergency conditions shall be equipped as required in subsection (8) of this section until the emergency is abated.

(b) Alerting employees.

(i) Where there is the possibility of employee exposure to AN in excess of the ceiling limit due to the occurrence of an emergency, a general alarm shall be installed and maintained to promptly alert employees of such occurrences.

(ii) Employees not engaged in correcting the emergency shall be evacuated from the area and shall not be permitted to return until the emergency is abated.

(10) Protective clothing and equipment.

(a) Provision and use. Where eye or skin contact with liquid AN or PAN may occur, the employer shall provide at no cost to the employee, and assure that employees wear, appropriate protective clothing or other equipment in accordance with WAC 296-800-160 to protect any area of the body which may come in contact with liquid AN or PAN.

(b) Cleaning and replacement.

(i) The employer shall clean, launder, maintain, or replace protective clothing and equipment required by this subsection, as needed to maintain their effectiveness. In addition, the employer shall provide clean protective clothing and equipment at least weekly to each affected employee.

(ii) The employer shall assure that impermeable protective clothing which contacts or is likely to have contacted liquid AN shall be decontaminated before being removed by the employee.

(iii) The employer shall assure that AN- or PAN-contaminated protective clothing and equipment is placed and stored in closable containers which prevent dispersion of the AN or PAN outside the container.

(iv) The employer shall assure that an employee whose nonimpermeable clothing becomes wetted with liquid AN shall immediately remove that clothing and proceed to shower. The clothing shall be decontaminated before it is removed from the regulated area.

(v) The employer shall assure that no employee removes AN- or PAN-contaminated protective equipment or clothing from the change room, except for those employees authorized to do so for the purpose of laundering, maintenance, or disposal.

(vi) The employer shall inform any person who launders or cleans AN- or PAN-contaminated protective clothing or equipment of the potentially harmful effects of exposure to AN.

(vii) The employer shall assure that containers of contaminated protective clothing and equipment which are to be removed from the workplace for any reason are labeled in accordance with subsection (16)(c)(ii) of this section, and that such labels remain affixed when such containers leave the employer's workplace.

(11) Housekeeping.

(a) All surfaces shall be maintained free of accumulations of liquid AN and of PAN.

(b) For operations involving liquid AN, the employer shall institute a program for detecting leaks and spills of liquid AN, including regular visual inspections.

(c) Where spills of liquid AN are detected, the employer shall assure that surfaces contacted by the liquid AN are decontaminated. Employees not engaged in decontamination activities shall leave the area of the spill, and shall not be permitted in the area until decontamination is completed.

(d) Liquids. Where AN is present in a liquid form, or as a resultant vapor, all containers or vessels containing AN shall be enclosed to the maximum extent feasible and tightly covered when not in use, with adequate provision made to avoid any resulting potential explosion hazard.

(e) Surfaces.

(i) Dry sweeping and the use of compressed air for the cleaning of floors and other surfaces where AN and PAN are found is prohibited.

(ii) Where vacuuming methods are selected, either portable units or a permanent system may be used.

(A) If a portable unit is selected, the exhaust shall be attached to the general workplace exhaust ventilation system or collected within the vacuum unit, equipped with high efficiency filters or other appropriate means of contaminant removal, so that AN is not reintroduced into the workplace air; and

(B) Portable vacuum units used to collect AN may not be used for other cleaning purposes and shall be labeled as prescribed by subsection (16)(c)(ii) of this section.

(iii) Cleaning of floors and other contaminated surfaces may not be performed by washing down with a hose, unless a fine spray has first been laid down.

(12) Waste disposal. AN and PAN waste, scrap, debris, bags, containers or equipment, shall be disposed of in sealed bags or other closed containers which prevent dispersion of AN outside the container, and labeled as prescribed in subsection (16)(c)(ii) of this section.

(13) Hygiene facilities and practices. Where employees are exposed to airborne concentrations of AN above the permissible exposure limits, or where employees are required to wear protective clothing or equipment pursuant to subsection (11) of this section, or where otherwise found to be appropriate, the facilities required by WAC 296-800-230 shall be provided by the employer for the use of those employees, and the employer shall assure that the employees use the facilities provided. In addition, the following facilities or requirements are mandated.

(a) Change rooms. The employer shall provide clean change rooms in accordance with WAC 296-800-230.

(b) Showers.

(i) The employer shall provide shower facilities in accordance with WAC 296-800-230.

(ii) In addition, the employer shall also assure that employees exposed to liquid AN and PAN shower at the end of the work shift.

(iii) The employer shall assure that, in the event of skin or eye exposure to liquid AN, the affected employee shall shower immediately to minimize the danger of skin absorption.

(c) Lunchrooms.

(i) Whenever food or beverages are consumed in the workplace, the employer shall provide lunchroom facilities which have a temperature controlled, positive pressure, filtered air supply, and which are readily accessible to employees exposed to AN above the permissible exposure limits.

(ii) In addition, the employer shall also assure that employees exposed to AN above the permissible exposure limits wash their hands and face prior to eating.

(14) Medical surveillance.

(a) General.

(i) The employer shall institute a program of medical surveillance for each employee who is or will be exposed to AN above the action level. The employer shall provide each such employee with an opportunity for medical examinations and tests in accordance with this subsection.

(ii) The employer shall assure that all medical examinations and procedures are performed by or under the supervision of a licensed physician, and shall be provided without cost to the employee.

(b) Initial examinations. At the time of initial assignment, or upon institution of the medical surveillance program, the employer shall provide each affected employee an opportunity for a medical examination, including at least the following elements:

(i) A work history and medical history with special attention to skin, respiratory, and gastrointestinal systems, and those nonspecific symptoms, such as headache, nausea, vomiting, dizziness, weakness, or other central nervous system dysfunctions that may be associated with acute or chronic exposure to AN.

(ii) A physical examination giving particular attention to central nervous system, gastrointestinal system, respiratory system, skin and thyroid.

(iii) A 14" x 17" posteroanterior chest X ray.

(iv) Further tests of the intestinal tract, including fecal occult blood screening, and proctosigmoidoscopy, for all workers forty years of age or older, and for any other affected

employees for whom, in the opinion of the physician, such testing is appropriate.

(c) Periodic examinations.

(i) The employer shall provide examinations specified in this subsection at least annually for all employees specified in subsection (14)(a) of this section.

(ii) If an employee has not had the examinations prescribed in subsection (14)(b) of this section within six months of termination of employment, the employer shall make such examination available to the employee upon such termination.

(d) Additional examinations. If the employee for any reason develops signs or symptoms commonly associated with exposure to AN, the employer shall provide appropriate examination and emergency medical treatment.

(e) Information provided to the physician. The employer shall provide the following information to the examining physician:

(i) A copy of this standard and its appendices;

(ii) A description of the affected employee's duties as they relate to the employee's exposure;

(iii) The employee's representative exposure level;

(iv) The employee's anticipated or estimated exposure level (for preplacement examinations or in cases of exposure due to an emergency);

(v) A description of any personal protective equipment used or to be used; and

(vi) Information from previous medical examinations of the affected employee, which is not otherwise available to the examining physician.

(f) Physician's written opinion.

(i) The employer shall obtain a written opinion from the examining physician which shall include:

(A) The results of the medical examination and test performed;

(B) The physician's opinion as to whether the employee has any detected medical condition which would place the employee at an increased risk of material impairment of the employee's health from exposure to AN;

(C) Any recommended limitations upon the employee's exposure to AN or upon the use of protective clothing and equipment such as respirators; and

(D) A statement that the employee has been informed by the physician of the results of the medical examination and any medical conditions which require further examination or treatment.

(ii) The employer shall instruct the physician not to reveal in the written opinion specific findings or diagnoses unrelated to occupational exposure to AN.

(iii) The employer shall provide a copy of the written opinion to the affected employee.

(15) Employee information and training.

(a) Training program.

(i) The employer shall ~~((institute a training program for all employees where there is occupational exposure to AN and shall assure their))~~ train each employee exposed to AN above the action level, each employee whose exposures are maintained below the action level by engineering and work practice controls, and each employee subject to potential skin or eye contact with liquid AN in accordance with the require-

ments of this section. The employer shall institute a training program and ensure employee participation in the training program.

(ii) The training program shall be provided at the time of initial assignment, or upon institution of the training program, and at least annually thereafter, and the employer shall assure that each employee is informed of the following:

(A) The information contained in Appendices A, B and C;

(B) The quantity, location, manner of use, release or storage of AN and the specific nature of operations which could result in exposure to AN, as well as any necessary protective steps;

(C) The purpose, proper use, and limitations of respirators and protective clothing;

(D) The purpose and a description of the medical surveillance program required by subsection (14) of this section;

(E) The emergency procedures developed, as required by subsection (9) of this section; and

(F) The engineering and work practice controls, their function and the employee's relationship thereto; and

(G) A review of this standard.

(b) Access to training materials.

(i) The employer shall make a copy of this standard and its appendices readily available to all affected employees.

(ii) The employer shall provide, upon request, all materials relating to the employee information and training program to the director.

(16) Signs and labels.

(a) General.

(i) The employer may use labels or signs required by other statutes, regulations, or ordinances in addition to, or in combination with, signs and labels required by this subsection.

(ii) The employer shall assure that no statement appears on or near any sign or label, required by this subsection, which contradicts or detracts from such effects of the required sign or label.

(b) Signs.

(i) The employer shall post signs to clearly indicate all workplaces where AN concentrations exceed the permissible exposure limits. The signs shall bear the following legend:

DANGER
ACRYLONITRILE (AN)
CANCER HAZARD
AUTHORIZED PERSONNEL ONLY
RESPIRATORS REQUIRED

(ii) The employer shall assure that signs required by this subsection are illuminated and cleaned as necessary so that the legend is readily visible.

(c) Labels.

(i) The employer shall assure that precautionary labels are affixed to all containers of AN, and to containers of PAN and products fabricated from PAN, except for those materials for which objective data is provided as to the conditions specified in subsection (1)(b) of this section. The employer shall assure that the labels remain affixed when the AN or PAN are

sold, distributed or otherwise leave the employer's workplace.

(ii) The employer shall assure that the precautionary labels required by this subsection are readily visible and legible. The labels shall bear the following legend:

DANGER
CONTAINS ACRYLONITRILE (AN)
CANCER HAZARD

(17) Recordkeeping.

(a) Objective data for exempted operations.

(i) Where the processing, use, and handling of products fabricated from PAN are exempted pursuant to subsection (1)(b) of this section, the employer shall establish and maintain an accurate record of objective data reasonably relied upon in support of the exemption.

(ii) This record shall include the following information:

(A) The relevant condition in subsection (1)(b) upon which exemption is based;

(B) The source of the objective data;

(C) The testing protocol, results of testing, and/or analysis of the material for the release of AN;

(D) A description of the operation exempted and how the data supports the exemption; and

(E) Other data relevant to the operations, materials, and processing covered by the exemption.

(ii) The employer shall maintain this record for the duration of the employer's reliance upon such objective data.

(b) Exposure monitoring.

(i) The employer shall establish and maintain an accurate record of all monitoring required by subsection (5) of this section.

(ii) This record shall include:

(A) The dates, number, duration, and results of each of the samples taken, including a description of the sampling procedure used to determine representative employee exposure;

(B) A description of the sampling and analytical methods used and the data relied upon to establish that the methods used meet the accuracy and precision requirements of subsection (5)(f) of this section;

(C) Type of respiratory protective devices worn, if any; and

(D) Name, Social Security number and job classification of the employee monitored and of all other employees whose exposure the measurement is intended to represent.

(ii) The employer shall maintain this record for at least 40 years or the duration of employment plus 20 years, whichever is longer.

(c) Medical surveillance.

(i) The employer shall establish and maintain an accurate record for each employee subject to medical surveillance as required by subsection (14) of this section.

(ii) This record shall include:

(A) A copy of the physicians' written opinions;

(B) Any employee medical complaints related to exposure to AN;

(C) A copy of the information provided to the physician as required by subsection (14)(f) of this section; and

(D) A copy of the employee's medical and work history.

(iii) The employer shall assure that this record be maintained for at least forty years or for the duration of employment plus twenty years, whichever is longer.

(d) Availability.

(i) The employer shall assure that all records required to be maintained by this section be made available upon request to the director for examination and copying.

(ii) Records required by subdivisions (a) through (c) of this subsection shall be provided upon request to employees, designated representatives, and the assistant director in accordance with chapter 296-802 WAC. Records required by subdivision (a) of this section shall be provided in the same manner as exposure monitoring records.

(iii) The employer shall assure that employee medical records required to be maintained by this section, be made available, upon request, for examination and copying, to the affected employee or former employee, or to a physician designated by the affected employee, former employee, or designated representative.

(e) Transfer of records.

(i) Whenever the employer ceases to do business, the successor employer shall receive and retain all records required to be maintained by this section.

(ii) Whenever the employer ceases to do business and there is no successor employer to receive and retain the records for the prescribed period, these records shall be transmitted to the director.

(iii) At the expiration of the retention period for the records required to be maintained pursuant to this section, the employer shall transmit these records to the director.

(iv) The employer shall also comply with any additional requirements involving transfer of records set forth in chapter 296-802 WAC.

(18) Observation of monitoring.

(a) Employee observation. The employer shall provide affected employees, or their designated representatives, an opportunity to observe any monitoring of employee exposure to AN conducted pursuant to subsection (5) of this section.

(b) Observation procedures.

(i) Whenever observation of the monitoring of employee exposure to AN requires entry into an area where the use of protective clothing or equipment is required, the employer shall provide the observer with personal protective clothing or equipment required to be worn by employees working in the area, assure the use of such clothing and equipment, and require the observer to comply with all other applicable safety and health procedures.

(ii) Without interfering with the monitoring, observers shall be entitled:

(A) To receive an explanation of the measurement procedures;

(B) To observe all steps related to the measurement of airborne concentrations of AN performed at the place of exposure; and

(C) To record the results obtained.

(19) Appendices. The information contained in the appendices is not intended, by itself, to create any additional obligation not otherwise imposed, or to detract from any obligation.

AMENDATORY SECTION (Amending WSR 07-05-072, filed 2/20/07, effective 4/1/07)

WAC 296-62-07342 1,2-Dibromo-3-chloropropane.

(1) Scope and application.

(a) This section applies to occupational exposure to 1,2-dibromo-3-chloropropane (DBCP).

(b) This section does not apply to:

(i) Exposure to DBCP which results solely from the application and use of DBCP as a pesticide; or

(ii) The storage, transportation, distribution or sale of DBCP in intact containers sealed in such a manner as to prevent exposure to DBCP vapors or liquids, except for the requirements of subsections (11), (16) and (17) of this section.

(2) Definitions applicable to this section:

(a) "Authorized person" - any person specifically authorized by the employer and whose duties require the person to be present in areas where DBCP is present; and any person entering this area as a designated representative of employees exercising an opportunity to observe employee exposure monitoring.

(b) "DBCP" - 1,2-dibromo-3-chloropropane, Chemical Abstracts Service Registry Number 96-12-8, and includes all forms of DBCP.

(c) "Director" - the director of labor and industries, or his authorized representative.

(d) "Emergency" - any occurrence such as, but not limited to equipment failure, rupture of containers, or failure of control equipment which may, or does, result in unexpected release of DBCP.

(3) Permissible exposure limits.

(a) Inhalation.

(i) Time-weighted average limit (TWA). The employer shall assure that no employee is exposed to an airborne concentration in excess of one part DBCP per billion part of air (ppb) as an eight-hour time-weighted average.

(ii) Ceiling limit. The employer shall assure that no employee is exposed to an airborne concentration in excess of five parts DBCP per billion parts of air (ppb) as averaged over any fifteen minutes during the working day.

(b) Dermal and eye exposure. The employer shall assure that no employee is exposed to eye or skin contact with DBCP.

(4) Notification of use. Within ten days of the effective date of this section or within ten days following the introduction of DBCP into the workplace, every employer who has a workplace where DBCP is present shall report the following information to the director for each such workplace:

(a) The address and location of each workplace in which DBCP is present;

(b) A brief description of each process or operation which may result in employee exposure to DBCP;

(c) The number of employees engaged in each process or operation who may be exposed to DBCP and an estimate of the frequency and degree of exposure that occurs;

(d) A brief description of the employer's safety and health program as it relates to limitation of employee exposure to DBCP.

(5) Regulated areas. The employer shall establish, within each place of employment, regulated areas wherever DBCP

concentrations are in excess of the permissible exposure limit.

(a) The employer shall limit access to regulated areas to authorized persons.

(b) All employees entering or working in a regulated area shall wear respiratory protection in accordance with Table I.

(6) Exposure monitoring.

(a) General. Determinations of airborne exposure levels shall be made from air samples that are representative of each employee's exposure to DBCP over an eight-hour period. (For the purposes of this section, employee exposure is that exposure which would occur if the employee were not using a respirator.)

(b) Initial. Each employer who has a place of employment in which DBCP is present shall monitor each workplace and work operation to accurately determine the airborne concentrations of DBCP to which employees may be exposed.

(c) Frequency.

(i) If the monitoring required by this section reveals employee exposures to be below the permissible exposure limits, the employer shall repeat these determinations at least quarterly.

(ii) If the monitoring required by this section reveals employee exposure to be in excess of the permissible exposure limits, the employer shall repeat these determinations for each such employee at least monthly. The employer shall continue these monthly determinations until at least two consecutive measurements, taken at least seven days apart, are below the permissible exposure limit, thereafter the employer shall monitor at least quarterly.

(d) Additional. Whenever there has been a production process, control or personnel change which may result in any new or additional exposure to DBCP, or whenever the employer has any other reason to suspect a change which may result in new or additional exposure to DBCP, additional monitoring which complies with subsection (6) shall be conducted.

(e) Employee notification.

(i) Within five working days after the receipt of monitoring results, the employer shall notify each employee in writing of results which represent the employee's exposure.

(ii) Whenever the results indicate that employee exposure exceeds the permissible exposure limit, the employer shall include in the written notice a statement that the permissible exposure limit was exceeded and a description of the corrective action being taken to reduce exposure to or below the permissible exposure limits.

(f) Accuracy of measurement. The method of measurement shall be accurate, to a confidence level of ninety-five percent, to within plus or minus twenty-five percent for concentrations of DBCP at or above the permissible exposure limits.

(7) Methods of compliance.

(a) Priority of compliance methods. The employer shall institute engineering and work practice controls to reduce and maintain employee exposures to DBCP at or below the permissible exposure limit, except to the extent that the employer establishes that such controls are not feasible. Where feasible engineering and work practice controls are

not sufficient to reduce employee exposures to within the permissible exposure limit, the employer shall nonetheless use them to reduce exposures to the lowest level achievable by these controls, and shall supplement them by use of respiratory protection.

(b) Compliance program.

(i) The employer shall establish and implement a written program to reduce employee exposure to DBCP to or below the permissible exposure limit solely by means of engineering and work practice controls as required by this section.

(ii) The written program shall include a detailed schedule for development and implementation of the engineering and work practice controls. These plans shall be revised at least every six months to reflect the current status of the program.

(iii) Written plans for these compliance programs shall be submitted upon request to the director, and shall be available at the worksite for examination and copying by the director, and any affected employee or designated representative of employees.

(iv) The employer shall institute and maintain at least the controls described in his most recent written compliance program.

(8) Respiratory protection.

(a) General. For employees who are required to use respirators under this section, the employer must provide ~~((respirators that comply))~~ each employee an appropriate respirator that complies with the requirements of this subsection. Respirators must be used during:

(i) Period necessary to install or implement feasible engineering and work-practice controls;

(ii) Maintenance and repair activities for which engineering and work-practice controls are not feasible;

(iii) Work operations for which feasible engineering and work-practice controls are not yet sufficient to reduce employee exposure to or below the permissible exposure limit;

(iv) Emergencies.

(b) The employer must establish, implement, and maintain a respiratory protection program as required by chapter 296-842 WAC, Respirators, which covers each employee required by this chapter to use a respirator.

(c) Respirator selection. The employer must:

(i) Select and provide to employees appropriate respirators according to this chapter and WAC 296-842-13005 in the respirator rule.

(ii) Provide employees with one of the following respirator options to use for entry into, or escape from, unknown DBCP concentrations:

(A) A combination respirator that includes a full-facepiece air-line respirator operated in a pressure-demand or other positive-pressure mode or continuous-flow mode and an auxiliary self-contained breathing apparatus (SCBA) operated in a pressure-demand or positive-pressure mode;

OR

(B) A full-facepiece SCBA operated in a pressure-demand or other positive-pressure mode.

(9) Reserved.

(10) Emergency situations.

(a) Written plans.

(i) A written plan for emergency situations shall be developed for each workplace in which DBCP is present.

(ii) Appropriate portions of the plan shall be implemented in the event of an emergency.

(b) Employees engaged in correcting conditions shall be equipped as required in subsection (11) of this section until the emergency is abated.

(c) Evacuation. Employees not engaged in correcting the emergency shall be removed and restricted from the area and normal operations in the affected area shall not be resumed until the emergency is abated.

(d) Alerting employees. Where there is a possibility of employee exposure to DBCP due to the occurrence of an emergency, a general alarm shall be installed and maintained to promptly alert employees of such occurrences.

(e) Medical surveillance. For any employee exposed to DBCP in an emergency situation, the employer shall provide medical surveillance in accordance with subsection (14) of this section.

(f) Exposure monitoring.

(i) Following an emergency, the employer shall conduct monitoring which complies with subsection (6) of this section.

(ii) In workplaces not normally subject to periodic monitoring, the employer may terminate monitoring when two consecutive measurements indicate exposures below the permissible exposure limit.

(11) Protective clothing and equipment.

(a) Provision and use. Where eye or skin contact with liquid or solid DBCP may occur, employers shall provide at no cost to the employee, and assure that employees wear impermeable protective clothing and equipment in accordance with WAC 296-800-160 to protect the area of the body which may come in contact with DBCP.

(b) Cleaning and replacement.

(i) The employer shall clean, launder, maintain, or replace protective clothing and equipment required by this subsection to maintain their effectiveness. In addition, the employer shall provide clean protective clothing and equipment at least daily to each affected employee.

(ii) Removal and storage.

(A) The employer shall assure that employees remove DBCP contaminated work clothing only in change rooms provided in accordance with subsection (13) of this section.

(B) The employer shall assure that employees promptly remove any protective clothing and equipment which becomes contaminated with DBCP-containing liquids and solids. This clothing shall not be reworn until the DBCP has been removed from the clothing or equipment.

(C) The employer shall assure that no employee takes DBCP contaminated protective devices and work clothing out of the change room, except those employees authorized to do so for the purpose of laundering, maintenance, or disposal.

(iii) The employer shall assure that DBCP-contaminated protective work clothing and equipment is placed and stored in closed containers which prevent dispersion of DBCP outside the container.

(iv) The employer shall inform any person who launders or cleans DBCP-contaminated protective clothing or equipment of the potentially harmful effects of exposure to DBCP.

(v) The employer shall assure that the containers of contaminated protective clothing and equipment which are to be removed from the workplace for any reason are labeled in accordance with subsection (16)(c) of this section.

(vi) The employer shall prohibit the removal of DBCP from protective clothing and equipment by blowing or shaking.

(12) Housekeeping.

(a) Surfaces.

(i) All surfaces shall be maintained free of accumulations of DBCP.

(ii) Dry sweeping and the use of air for the cleaning of floors and other surfaces where DBCP dust or liquids are found is prohibited.

(iii) Where vacuuming methods are selected, either portable units or a permanent system may be used.

(A) If a portable unit is selected, the exhaust shall be attached to the general workplace exhaust ventilation system or collected within the vacuum unit, equipped with high efficiency filters or other appropriate means of contaminant removal, so that DBCP is not reintroduced into the workplace air; and

(B) Portable vacuum units used to collect DBCP may not be used for other cleaning purposes and shall be labeled as prescribed by subsection (16)(c) of this section.

(iv) Cleaning of floors and other contaminated surfaces may not be performed by washing down with a hose, unless a fine spray has first been laid down.

(b) Liquids. Where DBCP is present in a liquid form, or as a resultant vapor, all containers or vessels containing DBCP shall be enclosed to the maximum extent feasible and tightly covered when not in use.

(c) Waste disposal. DBCP waste, scrap, debris, bags, containers or equipment, shall be disposed in sealed bags or other closed containers which prevent dispersion of DBCP outside the container.

(13) Hygiene facilities and practices.

(a) Change rooms. The employer shall provide clean change rooms equipped with storage facilities for street clothes and separate storage facilities for protective clothing and equipment whenever employees are required to wear protective clothing and equipment in accordance with subsections (8), (9) and (11) of this section.

(b) Showers.

(i) The employer shall assure that employees working in the regulated area shower at the end of the work shift.

(ii) The employer shall assure that employees whose skin becomes contaminated with DBCP-containing liquids or solids immediately wash or shower to remove any DBCP from the skin.

(iii) The employer shall provide shower facilities in accordance with WAC 296-800-230.

(c) Lunchrooms. The employer shall provide lunchroom facilities which have a temperature controlled, positive pressure, filtered air supply, and which are readily accessible to employees working in regulated areas.

(d) Lavatories.

(i) The employer shall assure that employees working in the regulated area remove protective clothing and wash their hands and face prior to eating.

(ii) The employer shall provide a sufficient number of lavatory facilities which comply with WAC 296-800-230.

(e) Prohibition of activities in regulated areas. The employer shall assure that, in regulated areas, food or beverages are not present or consumed, smoking products and implements are not present or used, and cosmetics are not present or applied.

(14) Medical surveillance.

(a) General. The employer shall institute a program of medical surveillance for each employee who is or will be exposed, without regard to the use of respirators, to DBCP. The employer shall provide each such employee with an opportunity for medical examinations and tests in accordance with this subsection. All medical examinations and procedures shall be performed by or under the supervision of a licensed physician, and shall be provided without cost to the employee.

(b) Frequency and content. At the time of initial assignment, annually thereafter, and whenever exposure to DBCP occurs, the employer shall provide a medical examination for employees who work in regulated areas, which includes at least the following:

(i) A complete medical and occupational history with emphasis on reproductive history.

(ii) A complete physical examination with emphasis on the genito-urinary tract, testicle size, and body habitus including the following tests:

(A) Sperm count;

(B) Complete urinalysis (U/A);

(C) Complete blood count; and

(D) Thyroid profile.

(iii) A serum specimen shall be obtained and the following determinations made by radioimmunoassay techniques utilizing National Institutes of Health (NIH) specific antigen or one of equivalent sensitivity:

(A) Serum multiphasic analysis (SMA 12);

(B) Serum follicle stimulating hormone (FSH);

(C) Serum luteinizing hormone (LH); and

(D) Serum estrogen (females).

(iv) Any other tests deemed appropriate by the examining physician.

(c) Additional examinations. If the employee for any reason develops signs or symptoms commonly associated with exposure to DBCP, the employer shall provide the employee with a medical examination which shall include those elements considered appropriate by the examining physician.

(d) Information provided to the physician. The employer shall provide the following information to the examining physician:

(i) A copy of this standard and its appendices;

(ii) A description of the affected employee's duties as they relate to the employee's exposure;

(iii) The level of DBCP to which the employee is exposed; and

(iv) A description of any personal protective equipment used or to be used.

(e) Physician's written opinion.

(i) For each examination under this section, the employer shall obtain and provide the employee with a written opinion from the examining physician which shall include:

(A) The results of the medical tests performed;

(B) The physician's opinion as to whether the employee has any detected medical condition which would place the employee at an increased risk of material impairment of health from exposure to DBCP;

(C) Any recommended limitations upon the employee's exposure to DBCP or upon the use of protective clothing and equipment such as respirators; and

(D) A statement that the employee was informed by the physician of the results of the medical examination, and any medical conditions which require further examination or treatment.

(ii) The employer shall instruct the physician not to reveal in the written opinion specific findings or diagnoses unrelated to occupational exposure to DBCP.

(iii) The employer shall provide a copy of the written opinion to the affected employee.

(f) Emergency situations. If the employee is exposed to DBCP in an emergency situation, the employer shall provide the employee with a sperm count test as soon as practicable, or, if the employee is unable to produce a semen specimen, the hormone tests contained in subsection (14)(b) of this section. The employer shall provide these same tests three months later.

(15) Employee information and training.

(a) Training program.

(i) Within thirty days of the effective date of this standard, the employer shall institute a training program for all employees who may be exposed to DBCP and shall assure their participation in such training program.

(ii) The employer shall assure that each employee is informed of the following:

(A) The information contained in Appendices A, B and C;

(B) The quantity, location, manner of use, release or storage of DBCP and the specific nature of operations which could result in exposure to DBCP as well as any necessary protective steps;

(C) The purpose, proper use, limitations, and other training requirements covering respiratory protection as required in chapter 296-62 WAC, Part E;

(D) The purpose and description of the medical surveillance program required by subsection (14) of this section; and

(E) A review of this standard.

(b) Access to training materials.

(i) The employer shall make a copy of this standard and its appendices readily available to all affected employees.

(ii) The employer shall provide, upon request, all materials relating to the employee information and training program to the director.

(16) Signs and labels.

(a) General.

(i) The employer may use labels or signs required by other statutes, regulations, or ordinances in addition to or in combination with, signs and labels required by this subsection.

(ii) The employer shall assure that no statement appears on or near any sign or label required by this subsection which contradicts or detracts from the required sign or label.

(b) Signs.

(i) The employer shall post signs to clearly indicate all work areas where DBCP may be present. These signs shall bear the legend:

DANGER

1,2-Dibromo-3-chloropropane

(Insert appropriate trade or common names)

CANCER HAZARD

AUTHORIZED PERSONNEL ONLY

(ii) Where airborne concentrations of DBCP exceed the permissible exposure limits, the signs shall bear the additional legend:

RESPIRATOR REQUIRED

(c) Labels.

(i) The employer shall assure that precautionary labels are affixed to all containers of DBCP and of products containing DBCP, and that the labels remain affixed when the DBCP or products containing DBCP are sold, distributed, or otherwise leave the employer's workplace. Where DBCP or products containing DBCP are sold, distributed or otherwise leave the employer's workplace bearing appropriate labels required by EPA under the regulations in 40 CFR Part 162, the labels required by this subsection need not be affixed.

(ii) The employer shall assure that the precautionary labels required by this subsection are readily visible and legible. The labels shall bear the following legend:

DANGER

1,2-Dibromo-3-chloropropane

CANCER HAZARD

(17) Recordkeeping.

(a) Exposure monitoring.

(i) The employer shall establish and maintain an accurate record of all monitoring required by subsection (6) of this section.

(ii) This record shall include:

(A) The dates, number, duration and results of each of the samples taken, including a description of the sampling procedure used to determine representative employee exposure;

(B) A description of the sampling and analytical methods used;

(C) Type of respiratory worn, if any; and

(D) Name, Social Security number, and job classification of the employee monitored and of all other employees whose exposure the measurement is intended to represent.

(iii) The employer shall maintain this record for at least forty years or the duration of employment plus twenty years, whichever is longer.

(b) Medical surveillance.

(i) The employer shall establish and maintain an accurate record for each employee subject to medical surveillance required by subsection (14) of this section.

(ii) This record shall include:

(A) The name and Social Security number of the employee;

(B) A copy of the physician's written opinion;

(C) Any employee medical complaints related to exposure to DBCP;

(D) A copy of the information provided the physician as required by subsection (14)(c) of this section; and

(E) A copy of the employee's medical and work history.

(iii) The employer shall maintain this record for at least forty years or the duration of employment plus twenty years, whichever is longer.

(c) Availability.

(i) The employer shall assure that all records required to be maintained by this section be made available upon request to the director for examination and copying.

(ii) Employee exposure monitoring records and employee medical records required by this subsection shall be provided upon request to employees' designated representatives and the assistant director in accordance with chapter 296-802 WAC.

(d) Transfer of records.

(i) If the employer ceases to do business, the successor employer shall receive and retain all records required to be maintained by this section for the prescribed period.

(ii) If the employer ceases to do business and there is no successor employer to receive and retain the records for the prescribed period, the employer shall transmit these records by mail to the director.

(iii) At the expiration of the retention period for the records required to be maintained under this section, the employer shall transmit these records by mail to the director.

(iv) The employer shall also comply with any additional requirements involving transfer of records set forth in chapter 296-802 WAC.

(18) Observation of monitoring.

(a) Employee observation. The employer shall provide affected employees, or their designated representatives, an opportunity to observe any monitoring of employee exposure to DBCP conducted under subsection (6) of this section.

(b) Observation procedures.

(i) Whenever observation of the measuring or monitoring of employee exposure to DBCP requires entry into an area where the use of protective clothing or equipment is required, the employer shall provide the observer with personal protective clothing or equipment required to be worn by employees working in the area, assure the use of such clothing and equipment, and require the observer to comply with all other applicable safety and health procedures.

(ii) Without interfering with the monitoring or measurement, observers shall be entitled to:

(A) Receive an explanation of the measurement procedures;

(B) Observe all steps related to the measurement of airborne concentrations of DBCP performed at the place of exposure; and

(C) Record the results obtained.

(19) Appendices. The information contained in the appendices is not intended, by itself, to create any additional obligations not otherwise imposed or to detract from any existing obligation.

AMENDATORY SECTION (Amending WSR 07-05-072, filed 2/20/07, effective 4/1/07)

WAC 296-62-07413 Respirator protection. (1) General. For employees who use respirators required by this section, the employer must provide each employee an appropriate respirator(s) that ((empty)) complies with the requirements of this subsection. Respirators must be used during:

(a) Periods necessary to install or implement feasible engineering and work-practice controls when employee exposure levels exceed the PEL;

(b) Maintenance and repair activities, and brief or intermittent operations, where employee exposures exceed the PEL and engineering and work-practice controls are not feasible or are not required;

(c) Activities in regulated areas as specified in WAC 296-62-07409;

(d) Work operations for which the employer has implemented all feasible engineering and work-practice controls and such controls are not sufficient to reduce employee exposures to or below the PEL;

(e) Work operations for which an employee who is exposed to cadmium at or above the action level, and the employee requests a respirator;

(f) Work operations for which an employee is exposed above the PEL and engineering controls are not required by WAC 296-62-07411 (1)(b); and

(g) Emergencies.

(2) Respirator program.

(a) The employer must develop, implement and maintain a respiratory protection program as required by chapter 296-842 WAC, Respirators, which covers each employee required by this chapter to use a respirator.

(b) No employees must use a respirator if, based on their recent medical examination, the examining physician determines that they will be unable to continue to function normally while using a respirator. If the physician determines that the employee must be limited in, or removed from, their current job because of their inability to use a respirator, the limitation or removal must be in accordance with WAC 296-62-07423 (11) and (12).

(c) If an employee has breathing difficulty during fit testing or respirator use, the employer must provide the employee with a medical examination as required by WAC 296-62-07423 (6)(b) to determine if the employee can use a respirator while performing the required duties.

(3) Respirator selection. The employer must:

(a) Select and provide the appropriate respirator as specified in this section and WAC 296-842-13005, found in the respirator rule.

(i) Provide employees with full-facepiece respirators when they experience eye irritation.

(ii) Make sure high-efficiency particulate air (HEPA) filters or N-, R-, or P-100 series filters are provided for powered air-purifying respirators (PAPRs) and negative-pressure air-purifying respirators.

(b) Provide an employee with a powered, air-purifying respirator (PAPR) instead of a negative-pressure respirator when an employee who is entitled to a respirator chooses to use this type of respirator and such a respirator provides adequate protection to the employee.

AMENDATORY SECTION (Amending WSR 07-03-163, filed 1/24/07, effective 4/1/07)

WAC 296-62-07425 Communication of cadmium hazards to employees. (1) General. In communications concerning cadmium hazards, employers shall comply with the requirements of WISHA's Chemical Hazard Communication Standard, WAC 296-800-170, including but not limited to the requirements concerning warning signs and labels, material safety data sheets (MSDS), and employee information and training. In addition, employers shall comply with the following requirements:

(2) Warning signs.

(a) Warning signs shall be provided and displayed in regulated areas. In addition, warning signs shall be posted at all approaches to regulated areas so that an employee may read the signs and take necessary protective steps before entering the area.

(b) Warning signs required by (a) of this subsection shall bear the following information:

DANGER CADMIUM CANCER HAZARD CAN CAUSE LUNG
AND KIDNEY DISEASE AUTHORIZED PERSONNEL ONLY
RESPIRATORS REQUIRED IN THIS AREA

(c) The employer shall assure that signs required by this subsection are illuminated, cleaned, and maintained as necessary so that the legend is readily visible.

(3) Warning labels.

(a) Shipping and storage containers containing cadmium, cadmium compounds, or cadmium contaminated clothing, equipment, waste, scrap, or debris shall bear appropriate warning labels, as specified in (b) of this subsection.

(b) The warning labels shall include at least the following information:

DANGER CONTAINS CADMIUM CANCER HAZARD AVOID
CREATING DUST CAN CAUSE LUNG AND KIDNEY DISEASE

(c) Where feasible, installed cadmium products shall have a visible label or other indication that cadmium is present.

(4) Employee information and training.

(a) The employer shall train each employee who is potentially exposed to cadmium in accordance with the requirements of this chapter. The employer shall institute a training program ((for all employees who are potentially exposed to cadmium, assure)), ensure employee participation in the program, and maintain a record of the contents of such program.

(b) Training shall be provided prior to or at the time of initial assignment to a job involving potential exposure to cadmium and at least annually thereafter.

(c) The employer shall make the training program understandable to the employee and shall assure that each employee is informed of the following:

(i) The health hazards associated with cadmium exposure, with special attention to the information incorporated in WAC 296-62-07441, Appendix A;

(ii) The quantity, location, manner of use, release, and storage of cadmium in the workplace and the specific nature

of operations that could result in exposure to cadmium, especially exposures above the PEL;

(iii) The engineering controls and work practices associated with the employee's job assignment;

(iv) The measures employees can take to protect themselves from exposure to cadmium, including modification of such habits as smoking and personal hygiene, and specific procedures the employer has implemented to protect employees from exposure to cadmium such as appropriate work practices, emergency procedures, and the provision of personal protective equipment;

(v) The purpose, proper selection, fitting, proper use, and limitations of protective clothing;

(vi) The purpose and a description of the medical surveillance program required by WAC 296-62-07423;

(vii) The contents of this section and its appendices;

(viii) The employee's rights of access to records under WAC 296-800-170 and chapter 296-802 WAC; and

(ix) The purpose, proper use, limitations, and other training requirements for respiratory protection as required in chapter 296-62 WAC, Part E.

(d) Additional access to information and training program and materials.

(i) The employer shall make a copy of this section and its appendices readily available without cost to all affected employees and shall provide a copy if requested.

(ii) The employer shall provide to the director, upon request, all materials relating to the employee information and the training program.

AMENDATORY SECTION (Amending WSR 07-03-163, filed 1/24/07, effective 4/1/07)

WAC 296-62-07460 Butadiene. (1) Scope and application.

(a) This section applies to all occupational exposures to 1,3-Butadiene (BD), Chemical Abstracts Service Registry No. 106-99-0, except as provided in (b) of this subsection.

(b)(i) Except for the recordkeeping provisions in subsection (13)(a) of this section, this section does not apply to the processing, use, or handling of products containing BD or to other work operations and streams in which BD is present where objective data are reasonably relied upon that demonstrate the work operation or the product or the group of products or operations to which it belongs may not reasonably be foreseen to release BD in airborne concentrations at or above the action level or in excess of the STEL under the expected conditions of processing, use, or handling that will cause the greatest possible release or in any plausible accident.

(ii) This section also does not apply to work operations, products or streams where the only exposure to BD is from liquid mixtures containing 0.1% or less of BD by volume or the vapors released from such liquids, unless objective data become available that show that airborne concentrations generated by such mixtures can exceed the action level or STEL under reasonably predictable conditions of processing, use or handling that will cause the greatest possible release.

(iii) Except for labeling requirements and requirements for emergency response, this section does not apply to the storage, transportation, distribution or sale of BD or liquid

mixtures in intact containers or in transportation pipelines sealed in such a manner as to fully contain BD vapors or liquids.

(c) Where products or processes containing BD are exempted under (b) of this subsection, the employer shall maintain records of the objective data supporting that exemption and the basis for the employer's reliance on the data, as provided in subsection (13)(a) of this section.

(2) Definitions: For the purpose of this section, the following definitions shall apply:

"Action level" means a concentration of airborne BD of 0.5 ppm calculated as an 8-hour time-weighted average.

"Director" means the director of the department of labor and industries, or authorized representatives.

"Authorized person" means any person specifically designated by the employer, whose duties require entrance into a regulated area, or a person entering such an area as a designated representative of employees to exercise the right to observe monitoring and measuring procedures under subsection (4)(h) of this section, or a person designated under the WISH Act or regulations issued under the WISH Act to enter a regulated area.

"1,3-Butadiene" means an organic compound with chemical formula $\text{CH}_2=\text{CH}-\text{CH}=\text{CH}_2$ that has a molecular weight of approximately 54.15 gm/mole.

"Business day" means any Monday through Friday, except those days designated as federal, state, local or company specific holidays.

"Complete blood count (CBC)" means laboratory tests performed on whole blood specimens and includes the following: White blood cell count (WBC), hematocrit (Hct), red blood cell count (RBC), hemoglobin (Hgb), differential count of white blood cells, red blood cell morphology, red blood cell indices, and platelet count.

"Day" means any part of a calendar day.

"Emergency situation" means any occurrence such as, but not limited to, equipment failure, rupture of containers, or failure of control equipment that may or does result in an uncontrolled significant release of BD.

"Employee exposure" means exposure of a worker to airborne concentrations of BD which would occur if the employee were not using respiratory protective equipment.

"Objective data" means monitoring data, or mathematical modelling or calculations based on composition, chemical and physical properties of a material, stream or product.

"Permissible exposure limits (PELs)" means either the 8-hour time-weighted average (8-hour TWA) exposure or the short-term exposure limit (STEL).

"Physician or other licensed health care professional" is an individual whose legally permitted scope of practice (i.e., license, registration, or certification) allows him or her to independently provide or be delegated the responsibility to provide one or more of the specific health care services required by (k) of this subsection.

"Regulated area" means any area where airborne concentrations of BD exceed or can reasonably be expected to exceed the 8-hour time-weighted average (8-hour TWA) exposure of 1 ppm or the short-term exposure limit (STEL) of 5 ppm for 15 minutes.

"This section" means this 1,3-butadiene standard.

(3) Permissible exposure limits (PELs).

(a) Time-weighted average (TWA) limit. The employer shall ensure that no employee is exposed to an airborne concentration of BD in excess of one part BD per million parts of air (ppm) measured as an eight (8)-hour time-weighted average.

(b) Short-term exposure limit (STEL). The employer shall ensure that no employee is exposed to an airborne concentration of BD in excess of five parts of BD per million parts of air (5 ppm) as determined over a sampling period of fifteen minutes.

(4) Exposure monitoring.

(a) General.

(i) Determinations of employee exposure shall be made from breathing zone air samples that are representative of the 8-hour TWA and 15-minute short-term exposures of each employee.

(ii) Representative 8-hour TWA employee exposure shall be determined on the basis of one or more samples representing full-shift exposure for each shift and for each job classification in each work area.

(iii) Representative 15-minute short-term employee exposures shall be determined on the basis of one or more samples representing 15-minute exposures associated with operations that are most likely to produce exposures above the STEL for each shift and for each job classification in each work area.

(iv) Except for the initial monitoring required under (b) of this subsection, where the employer can document that exposure levels are equivalent for similar operations on different work shifts, the employer need only determine representative employee exposure for that operation from the shift during which the highest exposure is expected.

(b) Initial monitoring.

(i) Each employer who has a workplace or work operation covered by this section, shall perform initial monitoring to determine accurately the airborne concentrations of BD to which employees may be exposed, or shall rely on objective data pursuant to subsection (1)(b)(i) of this section to fulfill this requirement. The initial monitoring required under this subitem shall be completed within sixty days of the introduction of BD into the workplace.

(ii) Where the employer has monitored within two years prior to the effective date of this section and the monitoring satisfies all other requirements of this section, the employer may rely on such earlier monitoring results to satisfy the requirements of (b)(i) of this subsection, provided that the conditions under which the initial monitoring was conducted have not changed in a manner that may result in new or additional exposures.

(c) Periodic monitoring and its frequency.

(i) If the initial monitoring required by (b) of this subsection reveals employee exposure to be at or above the action level but at or below both the 8-hour TWA limit and the STEL, the employer shall repeat the representative monitoring required by (a) of this subsection every twelve months.

(ii) If the initial monitoring required by (b) of this subsection reveals employee exposure to be above the 8-hour TWA limit, the employer shall repeat the representative monitoring required by (a)(ii) of this subsection at least every

three months until the employer has collected two samples per quarter (each at least 7 days apart) within a two-year period, after which such monitoring must occur at least every six months.

(iii) If the initial monitoring required by (b) of this subsection reveals employee exposure to be above the STEL, the employer shall repeat the representative monitoring required by (a)(iii) of this subsection at least every three months until the employer has collected two samples per quarter (each at least 7 days apart) within a two-year period, after which such monitoring must occur at least every six months.

(iv) The employer may alter the monitoring schedule from every six months to annually for any required representative monitoring for which two consecutive measurements taken at least 7 days apart indicate that employee exposure has decreased to or below the 8-hour TWA, but is at or above the action level.

(d) Termination of monitoring.

(i) If the initial monitoring required by (b) of this subsection reveals employee exposure to be below the action level and at or below the STEL, the employer may discontinue the monitoring for employees whose exposures are represented by the initial monitoring.

(ii) If the periodic monitoring required by (c) of this subsection reveals that employee exposures, as indicated by at least two consecutive measurements taken at least 7 days apart, are below the action level and at or below the STEL, the employer may discontinue the monitoring for those employees who are represented by such monitoring.

(e) Additional monitoring.

(i) The employer shall institute the exposure monitoring required under subsection (4) of this section whenever there has been a change in the production, process, control equipment, personnel or work practices that may result in new or additional exposures to BD or when the employer has any reason to suspect that a change may result in new or additional exposures.

(ii) Whenever spills, leaks, ruptures or other breakdowns occur that may lead to employee exposure above the 8-hour TWA limit or above the STEL, the employer shall monitor (using leak source, such as direct reading instruments, area or personal monitoring), after the cleanup of the spill or repair of the leak, rupture or other breakdown, to ensure that exposures have returned to the level that existed prior to the incident.

(f) Accuracy of monitoring.

Monitoring shall be accurate, at a confidence level of 95 percent, to within plus or minus 25 percent for airborne concentrations of BD at or above the 1 ppm TWA limit and to within plus or minus 35 percent for airborne concentrations of BD at or above the action level of 0.5 ppm and below the 1 ppm TWA limit.

(g) Employee notification of monitoring results.

(i) The employer shall, within 5 business days after the receipt of the results of any monitoring performed under this section, notify the affected employees of these results in writing either individually or by posting of results in an appropriate location that is accessible to affected employees.

(ii) The employer shall, within 15 business days after receipt of any monitoring performed under this section indi-

cating the 8-hour TWA or STEL has been exceeded, provide the affected employees, in writing, with information on the corrective action being taken by the employer to reduce employee exposure to or below the 8-hour TWA or STEL and the schedule for completion of this action.

(h) Observation of monitoring.

(i) Employee observation. The employer shall provide affected employees or their designated representatives an opportunity to observe any monitoring of employee exposure to BD conducted in accordance with this section.

(ii) Observation procedures. When observation of the monitoring of employee exposure to BD requires entry into an area where the use of protective clothing or equipment is required, the employer shall provide the observer at no cost with protective clothing and equipment, and shall ensure that the observer uses this equipment and complies with all other applicable safety and health procedures.

(5) Regulated areas.

(a) The employer shall establish a regulated area whenever occupational exposures to airborne concentrations of BD exceed or can reasonably be expected to exceed the permissible exposure limits, either the 8-hour TWA or the STEL.

(b) Access to regulated areas shall be limited to authorized persons.

(c) Regulated areas shall be demarcated from the rest of the workplace in any manner that minimizes the number of employees exposed to BD within the regulated area.

(d) An employer at a multiemployer worksite who establishes a regulated area shall communicate the access restrictions and locations of these areas to other employers with work operations at that worksite whose employees may have access to these areas.

(6) Methods of compliance.

(a) Engineering controls and work practices.

(i) The employer shall institute engineering controls and work practices to reduce and maintain employee exposure to or below the PELs, except to the extent that the employer can establish that these controls are not feasible or where subsection (8)(a)(i) of this section applies.

(ii) Wherever the feasible engineering controls and work practices which can be instituted are not sufficient to reduce employee exposure to or below the 8-hour TWA or STEL, the employer shall use them to reduce employee exposure to the lowest levels achievable by these controls and shall supplement them by the use of respiratory protection that complies with the requirements of subsection (8) of this section.

(b) Compliance plan.

(i) Where any exposures are over the PELs, the employer shall establish and implement a written plan to reduce employee exposure to or below the PELs primarily by means of engineering and work practice controls, as required by (a) of this subsection, and by the use of respiratory protection where required or permitted under this section. No compliance plan is required if all exposures are under the PELs.

(ii) The written compliance plan shall include a schedule for the development and implementation of the engineering controls and work practice controls including periodic leak detection surveys.

(iii) Copies of the compliance plan required in (b) of this subsection shall be furnished upon request for examination and copying to the director, affected employees and designated employee representatives. Such plans shall be reviewed at least every 12 months, and shall be updated as necessary to reflect significant changes in the status of the employer's compliance program.

(iv) The employer shall not implement a schedule of employee rotation as a means of compliance with the PELs.

(7) Exposure goal program.

(a) For those operations and job classifications where employee exposures are greater than the action level, in addition to compliance with the PELs, the employer shall have an exposure goal program that is intended to limit employee exposures to below the action level during normal operations.

(b) Written plans for the exposure goal program shall be furnished upon request for examination and copying to the director, affected employees and designated employee representatives.

(c) Such plans shall be updated as necessary to reflect significant changes in the status of the exposure goal program.

(d) Respirator use is not required in the exposure goal program.

(e) The exposure goal program shall include the following items unless the employer can demonstrate that the item is not feasible, will have no significant effect in reducing employee exposures, or is not necessary to achieve exposures below the action level:

(i) A leak prevention, detection, and repair program.

(ii) A program for maintaining the effectiveness of local exhaust ventilation systems.

(iii) The use of pump exposure control technology such as, but not limited to, mechanical double-sealed or seal-less pumps.

(iv) Gauging devices designed to limit employee exposure, such as magnetic gauges on rail cars.

(v) Unloading devices designed to limit employee exposure, such as a vapor return system.

(vi) A program to maintain BD concentration below the action level in control rooms by use of engineering controls.

(8) Respiratory protection.

(a) General. For employees who use respirators required by this section, the employer must provide ~~((respirators that comply))~~ each employee an appropriate respirator that complies with the requirements of this subsection. Respirators must be used during:

(i) Periods necessary to install or implement feasible engineering and work-practice controls;

(ii) Nonroutine work operations that are performed infrequently and for which exposures are limited in duration;

(iii) Work operations for which feasible engineering controls and work-practice controls are not yet sufficient to reduce employee exposures to or below the PELs;

(iv) Emergencies.

(b) Respirator program.

(i) The employer must implement a respiratory protection program as required by chapter 296-842 WAC, except WAC 296-842-13005 and 296-842-14005, which covers each employee required by this section to use a respirator.

(ii) If air-purifying respirators are used, the employer must replace the air-purifying filter elements according to the replacement schedule set for the class of respirators listed in Table 1 of this section, and at the beginning of each work shift.

(iii) Instead of using the replacement schedule listed in Table 1 of this section, the employer may replace cartridges or canisters at 90% of their expiration service life, provided the employer:

(A) Demonstrates that employees will be adequately protected by this procedure;

(B) Uses BD breakthrough data for this purpose that have been derived from tests conducted under worst-case conditions of humidity, temperature, and air-flow rate through the filter element, and the employer also describes the data supporting the cartridge- or canister-change schedule, as well as the basis for using the data in the employer's respirator program.

(iv) A label must be attached to each filter element to indicate the date and time it is first installed on the respirator.

(v) If NIOSH approves an end-of-service-life indicator (ESLI) for an air-purifying filter element, the element may be used until the ESLI shows no further useful service life or until the element is replaced at the beginning of the next work shift, whichever occurs first.

(vi) Regardless of the air-purifying element used, if an employee detects the odor of BD, the employer must replace the air-purifying element immediately.

(c) Respirator selection.

(i) The employer must select appropriate respirators from Table 1 of this section.

Table 1. - Minimum Requirements for Respiratory Protection for Airborne BD

Concentration of Airborne BD (ppm) or condition of use	Minimum required respirator
Less than or equal to 5 ppm (5 times PEL)	(a) Air-purifying half mask or full facepiece respirator equipped with approved BD or organic vapor cartridges or canisters. Cartridges or canisters shall be replaced every 4 hours.
Less than or equal to 10 ppm (10 times PEL)	(a) Air-purifying half mask or full facepiece respirator equipped with approved BD or organic vapor cartridges or canisters. Cartridges or canisters shall be replaced every 3 hours.
Less than or equal to 25 ppm (25 times PEL)	(a) Air-purifying full facepiece respirator equipped with approved BD or organic vapor cartridges or

Table 1. - Minimum Requirements for Respiratory Protection for Airborne BD

Concentration of Airborne BD (ppm) or condition of use	Minimum required respirator
	canisters. Cartridges or canisters shall be replaced every 2 hours. (b) Any powered air-purifying respirator equipped with approved BD or organic vapor cartridges. PAPR cartridges shall be replaced every 2 hours. (c) Continuous flow supplied air respirator equipped with a hood or helmet.
Less than or equal to 50 ppm (50 times PEL)	(a) Air-purifying full facepiece respirator equipped with approved BD or organic vapor cartridges or canisters. Cartridges or canisters shall be replaced every 1 hour. (b) Powered air purifying respirator equipped with a tight-fitting facepiece and an approved BD or organic vapor cartridges. PAPR cartridges shall be replaced every 1 hour.
Less than or equal to 1,000 ppm (1,000 times PEL)	(a) Supplied air respirator equipped with a half mask or full facepiece and operated in a pressure demand or other positive pressure mode.
Greater than 1,000 ppm	(a) Self-contained breathing unknown concentration, or apparatus equipped with a fire fighting full facepiece and operated in a pressure demand or other positive pressure mode. (b) Any supplied air respirator equipped with a full facepiece and operated in a pressure demand or other positive pressure mode in combination with an auxiliary self-contained breathing apparatus operated in a pressure demand or other positive pressure mode.

Table 1. - Minimum Requirements for Respiratory Protection for Airborne BD

Concentration of Airborne BD (ppm) or condition of use	Minimum required respirator use
Escape from IDLH Conditions	(a) Any positive pressure self-contained breathing apparatus with an appropriate service life. (b) Any air-purifying full facepiece respirator equipped with a front or back mounted BD or organic vapor canister.

Notes: Respirators approved for use in higher concentrations are permitted to be used in lower concentrations. Full facepiece is required when eye irritation is anticipated.

(ii) Air-purifying respirators must have filter elements certified by NIOSH for organic vapor or BD.

(iii) When an employee whose job requires the use of a respirator cannot use a negative-pressure respirator, the employer must provide the employee with a respirator that has less breathing resistance than the negative-pressure respirator, such as a powered air-purifying respirator or supplied-air respirator, when the employee is able to use it and if it provides the employee adequate protection.

(9) Protective clothing and equipment. Where appropriate to prevent eye contact and limit dermal exposure to BD, the employer shall provide protective clothing and equipment at no cost to the employee and shall ensure its use. Eye and face protection shall meet the requirements of WAC 296-800-160.

(10) Emergency situations. Written plan. A written plan for emergency situations shall be developed, or an existing plan shall be modified, to contain the applicable elements specified in WAC 296-24-567, Employee emergency plans and fire prevention plans, and in WAC 296-62-3112, hazardous waste operations and emergency responses, for each workplace where there is a possibility of an emergency.

(11) Medical screening and surveillance.

(a) Employees covered. The employer shall institute a medical screening and surveillance program as specified in this subsection for:

(i) Each employee with exposure to BD at concentrations at or above the action level on 30 or more days or for employees who have or may have exposure to BD at or above the PELs on 10 or more days a year;

(ii) Employers (including successor owners) shall continue to provide medical screening and surveillance for employees, even after transfer to a non-BD exposed job and regardless of when the employee is transferred, whose work histories suggest exposure to BD:

(A) At or above the PELs on 30 or more days a year for 10 or more years;

(B) At or above the action level on 60 or more days a year for 10 or more years; or

(C) Above 10 ppm on 30 or more days in any past year; and

(ii) Each employee exposed to BD following an emergency situation.

(b) Program administration.

(i) The employer shall ensure that the health questionnaire, physical examination and medical procedures are provided without cost to the employee, without loss of pay, and at a reasonable time and place.

(ii) Physical examinations, health questionnaires, and medical procedures shall be performed or administered by a physician or other licensed health care professional.

(iii) Laboratory tests shall be conducted by an accredited laboratory.

(c) Frequency of medical screening activities. The employer shall make medical screening available on the following schedule:

(i) For each employee covered under (a)(i) and (ii) of this subsection, a health questionnaire and complete blood count (CBC) with differential and platelet count every year, and a physical examination as specified below:

(A) An initial physical examination that meets the requirements of this rule, if twelve months or more have elapsed since the last physical examination conducted as part of a medical screening program for BD exposure;

(B) Before assumption of duties by the employee in a job with BD exposure;

(C) Every 3 years after the initial physical examination;

(D) At the discretion of the physician or other licensed health care professional reviewing the annual health questionnaire and CBC;

(E) At the time of employee reassignment to an area where exposure to BD is below the action level, if the employee's past exposure history does not meet the criteria of (a)(ii) of this subsection for continued coverage in the screening and surveillance program, and if twelve months or more have elapsed since the last physical examination; and

(F) At termination of employment if twelve months or more have elapsed since the last physical examination.

(ii) Following an emergency situation, medical screening shall be conducted as quickly as possible, but not later than 48 hours after the exposure.

(iii) For each employee who must wear a respirator, physical ability to perform the work and use the respirator must be determined as required by chapter 296-842 WAC.

(d) Content of medical screening.

(i) Medical screening for employees covered by (a)(i) and (ii) of this subsection shall include:

(A) A baseline health questionnaire that includes a comprehensive occupational and health history and is updated annually. Particular emphasis shall be placed on the hematopoietic and reticuloendothelial systems, including exposure to chemicals, in addition to BD, that may have an adverse effect on these systems, the presence of signs and symptoms that might be related to disorders of these systems, and any other information determined by the examining physician or other licensed health care professional to be necessary to evaluate whether the employee is at increased risk of material impairment of health from BD exposure. Health questionnaires shall consist of the sample forms in Appendix C to this section, or be equivalent to those samples;

(B) A complete physical examination, with special emphasis on the liver, spleen, lymph nodes, and skin;

(C) A CBC; and

(D) Any other test which the examining physician or other licensed health care professional deems necessary to evaluate whether the employee may be at increased risk from exposure to BD.

(ii) Medical screening for employees exposed to BD in an emergency situation shall focus on the acute effects of BD exposure and at a minimum include: A CBC within 48 hours of the exposure and then monthly for three months; and a physical examination if the employee reports irritation of the eyes, nose, throat, lungs, or skin, blurred vision, coughing, drowsiness, nausea, or headache. Continued employee participation in the medical screening and surveillance program, beyond these minimum requirements, shall be at the discretion of the physician or other licensed health care professional.

(e) Additional medical evaluations and referrals.

(i) Where the results of medical screening indicate abnormalities of the hematopoietic or reticuloendothelial systems, for which a nonoccupational cause is not readily apparent, the examining physician or other licensed health care professional shall refer the employee to an appropriate specialist for further evaluation and shall make available to the specialist the results of the medical screening.

(ii) The specialist to whom the employee is referred under this subsection shall determine the appropriate content for the medical evaluation, e.g., examinations, diagnostic tests and procedures, etc.

(f) Information provided to the physician or other licensed health care professional. The employer shall provide the following information to the examining physician or other licensed health care professional involved in the evaluation:

(i) A copy of this section including its appendices;

(ii) A description of the affected employee's duties as they relate to the employee's BD exposure;

(iii) The employee's actual or representative BD exposure level during employment tenure, including exposure incurred in an emergency situation;

(iv) A description of pertinent personal protective equipment used or to be used; and

(v) Information, when available, from previous employment-related medical evaluations of the affected employee which is not otherwise available to the physician or other licensed health care professional or the specialist.

(g) The written medical opinion.

(i) For each medical evaluation required by this section, the employer shall ensure that the physician or other licensed health care professional produces a written opinion and provides a copy to the employer and the employee within 15 business days of the evaluation. The written opinion shall be limited to the following information:

(A) The occupationally pertinent results of the medical evaluation;

(B) A medical opinion concerning whether the employee has any detected medical conditions which would place the employee's health at increased risk of material impairment from exposure to BD;

(C) Any recommended limitations upon the employee's exposure to BD; and

(D) A statement that the employee has been informed of the results of the medical evaluation and any medical conditions resulting from BD exposure that require further explanation or treatment.

(ii) The written medical opinion provided to the employer shall not reveal specific records, findings, and diagnoses that have no bearing on the employee's ability to work with BD.

Note: This provision does not negate the ethical obligation of the physician or other licensed health care professional to transmit any other adverse findings directly to the employee.

(h) Medical surveillance.

(i) The employer shall ensure that information obtained from the medical screening program activities is aggregated (with all personal identifiers removed) and periodically reviewed, to ascertain whether the health of the employee population of that employer is adversely affected by exposure to BD.

(ii) Information learned from medical surveillance activities must be disseminated to covered employees, as defined in (a) of this subsection, in a manner that ensures the confidentiality of individual medical information.

(12) Communication of BD hazards to employees.

(a) Hazard communication. The employer shall communicate the hazards associated with BD exposure in accordance with the requirements of the chemical hazard communication standard, WAC 296-800-170.

(b) Employee information and training.

(i) The employer shall ~~((provide all employees exposed to BD with information and training))~~ train each employee who is potentially exposed to BD at or above the action level or the STEL in accordance with the requirements of the chemical hazard communication standard, WAC 296-800-170.

(ii) The employer shall institute a training program for all employees who are potentially exposed to BD at or above the action level or the STEL, ensure employee participation in the program and maintain a record of the contents of such program.

(iii) Training shall be provided prior to or at the time of initial assignment to a job potentially involving exposure to BD at or above the action level or STEL and at least annually thereafter.

(iv) The training program shall be conducted in a manner that the employee is able to understand. The employer shall ensure that each employee exposed to BD over the action level or STEL is informed of the following:

(A) The health hazards associated with BD exposure, and the purpose and a description of the medical screening and surveillance program required by this section;

(B) The quantity, location, manner of use, release, and storage of BD and the specific operations that could result in exposure to BD, especially exposures above the PEL or STEL;

(C) The engineering controls and work practices associated with the employee's job assignment, and emergency procedures and personal protective equipment;

(D) The measures employees can take to protect themselves from exposure to BD;

(E) The contents of this standard and its appendices; and

(F) The right of each employee exposed to BD at or above the action level or STEL to obtain:

(I) Medical examinations as required by subsection (10) of this section at no cost to the employee;

(II) The employee's medical records required to be maintained by subsection (13)(c) of this section; and

(III) All air monitoring results representing the employee's exposure to BD and required to be kept by subsection (13)(b) of this section.

(c) Access to information and training materials.

(i) The employer shall make a copy of this standard and its appendices readily available without cost to all affected employees and their designated representatives and shall provide a copy if requested.

(ii) The employer shall provide to the director, or the designated employee representatives, upon request, all materials relating to the employee information and the training program.

(13) Recordkeeping.

(a) Objective data for exemption from initial monitoring.

(i) Where the processing, use, or handling of products or streams made from or containing BD are exempted from other requirements of this section under subsection (1)(b) of this section, or where objective data have been relied on in lieu of initial monitoring under subsection (4)(b)(ii) of this section, the employer shall establish and maintain a record of the objective data reasonably relied upon in support of the exemption.

(ii) This record shall include at least the following information:

(A) The product or activity qualifying for exemption;

(B) The source of the objective data;

(C) The testing protocol, results of testing, and analysis of the material for the release of BD;

(D) A description of the operation exempted and how the data support the exemption; and

(E) Other data relevant to the operations, materials, processing, or employee exposures covered by the exemption.

(iii) The employer shall maintain this record for the duration of the employer's reliance upon such objective data.

(b) Exposure measurements.

(i) The employer shall establish and maintain an accurate record of all measurements taken to monitor employee exposure to BD as prescribed in subsection (4) of this section.

(ii) The record shall include at least the following information:

(A) The date of measurement;

(B) The operation involving exposure to BD which is being monitored;

(C) Sampling and analytical methods used and evidence of their accuracy;

(D) Number, duration, and results of samples taken;

(E) Type of protective devices worn, if any;

(F) Name, Social Security number and exposure of the employees whose exposures are represented; and

(G) The written corrective action and the schedule for completion of this action required by subsection (4)(g)(ii) of this section.

(iii) The employer shall maintain this record for at least 30 years in accordance with chapter 296-802 WAC.

(c) Medical screening and surveillance.

(i) The employer shall establish and maintain an accurate record for each employee subject to medical screening and surveillance under this section.

(ii) The record shall include at least the following information:

(A) The name and Social Security number of the employee;

(B) Physician's or other licensed health care professional's written opinions as described in subsection (11)(e) of this section;

(C) A copy of the information provided to the physician or other licensed health care professional as required by subsection (11)(e) of this section.

(iii) Medical screening and surveillance records shall be maintained for each employee for the duration of employment plus 30 years, in accordance with chapter 296-802 WAC.

(d) Availability.

(i) The employer, upon written request, shall make all records required to be maintained by this section available for examination and copying to the director.

(ii) Access to records required to be maintained by (a) and (b) of this subsection shall be granted in accordance with chapter 296-802 WAC.

(e) Transfer of records.

(i) Whenever the employer ceases to do business, the employer shall transfer records required by this section to the successor employer. The successor employer shall receive and maintain these records. If there is no successor employer, the employer shall notify the director, at least three months prior to disposal, and transmit them to the director if requested by the director within that period.

(ii) The employer shall transfer medical and exposure records as set forth in chapter 296-802 WAC.

(14) Dates.

(a) Effective date. This section shall become effective (day, month), 1997.

(b) Start-up dates.

(i) The initial monitoring required under subsection (4)(b) of this section shall be completed immediately or within sixty days of the introduction of BD into the workplace.

(ii) The requirements of subsections (3) through (13) of this section, including feasible work practice controls but not including engineering controls specified in subsection (6)(a) of this section, shall be complied with immediately.

(iii) Engineering controls specified by subsection (6)(a) of this section shall be implemented by February 4, 1999, and the exposure goal program specified in subsection (7) of this section shall be implemented by February 4, 2000.

(15) Appendices.

Appendices A, B, C, D, and F to this section are informational and are not intended to create any additional obliga-

tions not otherwise imposed or to detract from any existing obligations.

Appendix A. Substance Safety Data Sheet For 1,3-Butadiene (Non-Mandatory)

(1) Substance Identification.

(a) Substance: 1,3-Butadiene ($\text{CH}_2=\text{CH}-\text{CH}=\text{CH}_2$).

(b) Synonyms: 1,3-Butadiene (BD); butadiene; biethylene; bi-vinyl; divinyl; butadiene-1,3; buta-1,3-diene; erythrene; NCI-C50602; CAS-106-99-0.

(c) BD can be found as a gas or liquid.

(d) BD is used in production of styrene-butadiene rubber and polybutadiene rubber for the tire industry. Other uses include copolymer latexes for carpet backing and paper coating, as well as resins and polymers for pipes and automobile and appliance parts. It is also used as an intermediate in the production of such chemicals as fungicides.

(e) Appearance and odor: BD is a colorless, noncorrosive, flammable gas with a mild aromatic odor at standard ambient temperature and pressure.

(f) Permissible exposure: Exposure may not exceed 1 part BD per million parts of air averaged over the 8-hour workday, nor may short-term exposure exceed 5 parts of BD per million parts of air averaged over any 15-minute period in the 8-hour workday.

(2) Health Hazard Data.

(a) BD can affect the body if the gas is inhaled or if the liquid form, which is very cold (cryogenic), comes in contact with the eyes or skin.

(b) Effects of overexposure: Breathing very high levels of BD for a short time can cause central nervous system effects, blurred vision, nausea, fatigue, headache, decreased blood pressure and pulse rate, and unconsciousness. There are no recorded cases of accidental exposures at high levels that have caused death in humans, but this could occur. Breathing lower levels of BD may cause irritation of the eyes, nose, and throat. Skin contact with liquefied BD can cause irritation and frostbite.

(c) Long-term (chronic) exposure: BD has been found to be a potent carcinogen in rodents, inducing neoplastic lesions at multiple target sites in mice and rats. A recent study of BD-exposed workers showed that exposed workers have an increased risk of developing leukemia. The risk of leukemia increases with increased exposure to BD. OSHA has concluded that there is strong evidence that workplace exposure to BD poses an increased risk of death from cancers of the lymphohematopoietic system.

(d) Reporting signs and symptoms: You should inform your supervisor if you develop any of these signs or symptoms and suspect that they are caused by exposure to BD.

(3) Emergency First-Aid Procedures.

In the event of an emergency, follow the emergency plan and procedures designated for your work area. If you have been trained in first-aid procedures, provide the necessary first aid measures. If necessary, call for additional assistance from co-workers and emergency medical personnel.

(a) Eye and Skin Exposures: If there is a potential that liquefied BD can come in contact with eye or skin, face shields and skin protective equipment must be provided and used. If liquefied BD comes in contact with the eye, immediately flush the eyes with large amounts of water, occasionally

lifting the lower and the upper lids. Flush repeatedly. Get medical attention immediately. Contact lenses should not be worn when working with this chemical. In the event of skin contact, which can cause frostbite, remove any contaminated clothing and flush the affected area repeatedly with large amounts of tepid water.

(b) Breathing: If a person breathes in large amounts of BD, move the exposed person to fresh air at once. If breathing has stopped, begin cardiopulmonary resuscitation (CPR) if you have been trained in this procedure. Keep the affected person warm and at rest. Get medical attention immediately.

(c) Rescue: Move the affected person from the hazardous exposure. If the exposed person has been overcome, call for help and begin emergency rescue procedures. Use extreme caution so that you do not become a casualty. Understand the plant's emergency rescue procedures and know the locations of rescue equipment before the need arises.

(4) Respirators and Protective Clothing.

(a) Respirators: Good industrial hygiene practices recommend that engineering and work practice controls be used to reduce environmental concentrations to the permissible exposure level. However, there are some exceptions where respirators may be used to control exposure. Respirators may be used when engineering and work practice controls are not technically feasible, when such controls are in the process of being installed, or when these controls fail and need to be supplemented or during brief, nonroutine, intermittent exposure. Respirators may also be used in situations involving nonroutine work operations which are performed infrequently and in which exposures are limited in duration, and in emergency situations. In some instances cartridge respirator use is allowed, but only with strict time constraints. For example, at exposure below 5 ppm BD, a cartridge (or canister) respirator, either full or half face, may be used, but the cartridge must be replaced at least every 4 hours, and it must be replaced every 3 hours when the exposure is between 5 and 10 ppm.

If the use of respirators is necessary, the only respirators permitted are those that have been approved by the National Institute for Occupational Safety and Health (NIOSH). In addition to respirator selection, a complete respiratory protection program must be instituted which includes regular training, maintenance, fit testing, inspection, cleaning, and evaluation of respirators. If you can smell BD while wearing a respirator, proceed immediately to fresh air, and change cartridge (or canister) before reentering an area where there is BD exposure. If you experience difficulty in breathing while wearing a respirator, tell your supervisor.

(b) Protective Clothing: Employees should be provided with and required to use impervious clothing, gloves, face shields (eight-inch minimum), and other appropriate protective clothing necessary to prevent the skin from becoming frozen by contact with liquefied BD (or a vessel containing liquid BD).

Employees should be provided with and required to use splash-proof safety goggles where liquefied BD may contact the eyes.

(5) Precautions for Safe Use, Handling, and Storage.

(a) Fire and Explosion Hazards: BD is a flammable gas and can easily form explosive mixtures in air. It has a lower

explosive limit of 2%, and an upper explosive limit of 11.5%. It has an autoignition temperature of 420 deg. C (788 deg. F). Its vapor is heavier than air (vapor density, 1.9) and may travel a considerable distance to a source of ignition and flash back. Usually it contains inhibitors to prevent self-polymerization (which is accompanied by evolution of heat) and to prevent formation of explosive peroxides. At elevated temperatures, such as in fire conditions, polymerization may take place. If the polymerization takes place in a container, there is a possibility of violent rupture of the container.

(b) Hazard: Slightly toxic. Slight respiratory irritant. Direct contact of liquefied BD on skin may cause freeze burns and frostbite.

(c) Storage: Protect against physical damage to BD containers. Outside or detached storage of BD containers is preferred. Inside storage should be in a cool, dry, well-ventilated, noncombustible location, away from all possible sources of ignition. Store cylinders vertically and do not stack. Do not store with oxidizing material.

(d) Usual Shipping Containers: Liquefied BD is contained in steel pressure apparatus.

(e) Electrical Equipment: Electrical installations in Class I hazardous locations, as defined in Article 500 of the National Electrical Code, should be in accordance with Article 501 of the Code. If explosion-proof electrical equipment is necessary, it shall be suitable for use in Group B. Group D equipment may be used if such equipment is isolated in accordance with Section 501-5(a) by sealing all conduit 1/2-inch size or larger. See Venting of Deflagrations (NFPA No. 68, 1994), National Electrical Code (NFPA No. 70, 1996), Static Electricity (NFPA No. 77, 1993), Lightning Protection Systems (NFPA No. 780, 1995), and Fire Hazard Properties of Flammable Liquids, Gases and Volatile Solids (NFPA No. 325, 1994).

(f) Fire Fighting: Stop flow of gas. Use water to keep fire-exposed containers cool. Fire extinguishers and quick drenching facilities must be readily available, and you should know where they are and how to operate them.

(g) Spill and Leak: Persons not wearing protective equipment and clothing should be restricted from areas of spills or leaks until clean-up has been completed. If BD is spilled or leaked, the following steps should be taken:

(i) Eliminate all ignition sources.

(ii) Ventilate area of spill or leak.

(iii) If in liquid form, for small quantities, allow to evaporate in a safe manner.

(iv) Stop or control the leak if this can be done without risk. If source of leak is a cylinder and the leak cannot be stopped in place, remove the leaking cylinder to a safe place and repair the leak or allow the cylinder to empty.

(h) Disposal: This substance, when discarded or disposed of, is a hazardous waste according to Federal regulations (40 CFR part 261). It is listed as hazardous waste number D001 due to its ignitability. The transportation, storage, treatment, and disposal of this waste material must be conducted in compliance with 40 CFR parts 262, 263, 264, 268 and 270. Disposal can occur only in properly permitted facilities. Check state and local regulation of any additional requirements as these may be more restrictive than federal laws and regulation.

(i) You should not keep food, beverages, or smoking materials in areas where there is BD exposure, nor should you eat or drink in such areas.

(j) Ask your supervisor where BD is used in your work area and ask for any additional plant safety and health rules.

(6) Medical Requirements.

Your employer is required to offer you the opportunity to participate in a medical screening and surveillance program if you are exposed to BD at concentrations exceeding the action level (0.5 ppm BD as an 8-hour TWA) on 30 days or more a year, or at or above the 8-hr TWA (1 ppm) or STEL (5 ppm for 15 minutes) on 10 days or more a year. Exposure for any part of a day counts. If you have had exposure to BD in the past, but have been transferred to another job, you may still be eligible to participate in the medical screening and surveillance program.

The WISHA rule specifies the past exposures that would qualify you for participation in the program. These past exposure are work histories that suggest the following:

(a) That you have been exposed at or above the PELs on 30 days a year for 10 or more years;

(b) That you have been exposed at or above the action level on 60 days a year for 10 or more years; or

(c) That you have been exposed above 10 ppm on 30 days in any past year.

Additionally, if you are exposed to BD in an emergency situation, you are eligible for a medical examination within 48 hours. The basic medical screening program includes a health questionnaire, physical examination, and blood test. These medical evaluations must be offered to you at a reasonable time and place, and without cost or loss of pay.

(7) Observation of Monitoring.

Your employer is required to perform measurements that are representative of your exposure to BD and you or your designated representative are entitled to observe the monitoring procedure. You are entitled to observe the steps taken in the measurement procedure, and to record the results obtained. When the monitoring procedure is taking place in an area where respirators or personal protective clothing and equipment are required to be worn, you or your representative must also be provided with, and must wear, the protective clothing and equipment.

(8) Access to Information.

(a) Each year, your employer is required to inform you of the information contained in this appendix. In addition, your employer must instruct you in the proper work practices for using BD, emergency procedures, and the correct use of protective equipment.

(b) Your employer is required to determine whether you are being exposed to BD. You or your representative has the right to observe employee measurements and to record the results obtained. Your employer is required to inform you of your exposure. If your employer determines that you are being overexposed, he or she is required to inform you of the actions which are being taken to reduce your exposure to within permissible exposure limits and of the schedule to implement these actions.

(c) Your employer is required to keep records of your exposures and medical examinations. These records must be kept by the employer for at least thirty years.

(d) Your employer is required to release your exposure and medical records to you or your representative upon your request.

Appendix B. Substance Technical Guidelines for 1,3-Butadiene (Non-Mandatory)

(1) Physical and Chemical Data.

(a) Substance identification:

(i) Synonyms: 1,3-Butadiene (BD); butadiene; biethylene; bivinylyl; divinyl; butadiene-1,3; buta-1,3-diene; erythrene; NCI-C50620; CAS-106-99-0.

(ii) Formula: $(CH_2)=CH-CH=CH(2)$.

(iii) Molecular weight: 54.1.

(b) Physical data:

(i) Boiling point (760 mm Hg): -4.7 deg. C (23.5 deg. F).

(ii) Specific gravity (water = 1): 0.62 at 20 deg. C (68 deg. F).

(iii) Vapor density (air = 1 at boiling point of BD): 1.87.

(iv) Vapor pressure at 20 deg. C (68 deg. F): 910 mm Hg.

(v) Solubility in water, g/100 g water at 20 deg. C (68 deg. F): 0.05.

(vi) Appearance and odor: Colorless, flammable gas with a mildly aromatic odor. Liquefied BD is a colorless liquid with a mildly aromatic odor.

(2) Fire, Explosion, and Reactivity Hazard Data.

(a) Fire:

(i) Flash point: -76 deg. C (-105 deg. F) for take out; liquefied BD; Not applicable to BD gas.

(ii) Stability: A stabilizer is added to the monomer to inhibit formation of polymer during storage. Forms explosive peroxides in air in absence of inhibitor.

(iii) Flammable limits in air, percent by volume: Lower: 2.0; Upper: 11.5.

(iv) Extinguishing media: Carbon dioxide for small fires, polymer or alcohol foams for large fires.

(v) Special fire fighting procedures: Fight fire from protected location or maximum possible distance. Stop flow of gas before extinguishing fire. Use water spray to keep fire-exposed cylinders cool.

(vi) Unusual fire and explosion hazards: BD vapors are heavier than air and may travel to a source of ignition and flash back. Closed containers may rupture violently when heated.

(vii) For purposes of compliance with the requirements of WAC 296-24-330, BD is classified as a flammable gas. For example, 7,500 ppm, approximately one-fourth of the lower flammable limit, would be considered to pose a potential fire and explosion hazard.

(viii) For purposes of compliance with WAC 296-24-585, BD is classified as a Class B fire hazard.

(ix) For purposes of compliance with WAC 296-24-956 and 296-800-280, locations classified as hazardous due to the presence of BD shall be Class I.

(b) Reactivity:

(i) Conditions contributing to instability: Heat. Peroxides are formed when inhibitor concentration is not maintained at proper level. At elevated temperatures, such as in fire conditions, polymerization may take place.

(ii) Incompatibilities: Contact with strong oxidizing agents may cause fires and explosions. The contacting of

crude BD (not BD monomer) with copper and copper alloys may cause formations of explosive copper compounds.

(iii) Hazardous decomposition products: Toxic gases (such as carbon monoxide) may be released in a fire involving BD.

(iv) Special precautions: BD will attack some forms of plastics, rubber, and coatings. BD in storage should be checked for proper inhibitor content, for self-polymerization, and for formation of peroxides when in contact with air and iron. Piping carrying BD may become plugged by formation of rubbery polymer.

(c) Warning Properties:

(i) Odor Threshold: An odor threshold of 0.45 ppm has been reported in The American Industrial Hygiene Association (AIHA) Report, Odor Thresholds for Chemicals with Established Occupational Health Standards. (Ex. 32-28C).

(ii) Eye Irritation Level: Workers exposed to vapors of BD (concentration or purity unspecified) have complained of irritation of eyes, nasal passages, throat, and lungs. Dogs and rabbits exposed experimentally to as much as 6700 ppm for 7 1/2 hours a day for 8 months have developed no histologically demonstrable abnormality of the eyes.

(iii) Evaluation of Warning Properties: Since the mean odor threshold is about half of the 1 ppm PEL, and more than 10-fold below the 5 ppm STEL, most wearers of air purifying respirators should still be able to detect breakthrough before a significant overexposure to BD occurs.

(3) Spill, Leak, and Disposal Procedures.

(a) Persons not wearing protective equipment and clothing should be restricted from areas of spills or leaks until cleanup has been completed. If BD is spilled or leaked, the following steps should be taken:

(i) Eliminate all ignition sources.

(ii) Ventilate areas of spill or leak.

(iii) If in liquid form, for small quantities, allow to evaporate in a safe manner.

(iv) Stop or control the leak if this can be done without risk. If source of leak is a cylinder and the leak cannot be stopped in place, remove the leaking cylinder to a safe place and repair the leak or allow the cylinder to empty.

(b) Disposal: This substance, when discarded or disposed of, is a hazardous waste according to Federal regulations (40 CFR part 261). It is listed by the EPA as hazardous waste number D001 due to its ignitability. The transportation, storage, treatment, and disposal of this waste material must be conducted in compliance with 40 CFR parts 262, 263, 264, 268 and 270. Disposal can occur only in properly permitted facilities. Check state and local regulations for any additional requirements because these may be more restrictive than federal laws and regulations.

(4) Monitoring and Measurement Procedures.

(a) Exposure above the Permissible Exposure Limit (8-hr TWA) or Short-Term Exposure Limit (STEL):

(i) 8-hr TWA exposure evaluation: Measurements taken for the purpose of determining employee exposure under this standard are best taken with consecutive samples covering the full shift. Air samples must be taken in the employee's breathing zone (air that would most nearly represent that inhaled by the employee).

(ii) STEL exposure evaluation: Measurements must represent 15 minute exposures associated with operations most likely to exceed the STEL in each job and on each shift.

(iii) Monitoring frequencies: Table 1 gives various exposure scenarios and their required monitoring frequencies, as required by the final standard for occupational exposure to butadiene.

Table 1. — Five Exposure Scenarios and Their Associated Monitoring Frequencies

Action Level	8-hr TWA	STEL	Required Monitoring Activity
—*	—	—	No 8-hour TWA or STEL monitoring required.
+*	—	—	No STEL monitoring required. Monitor 8-hr TWA annually.
+	—	—	No STEL monitoring required. Periodic monitoring 8-hour TWA, in accordance with (4)(c)(iii).**
+	+	+	Periodic monitoring 8-hour TWA, in accordance with (4)(c)(iii)**. Periodic monitoring STEL in accordance with (4)(c)(iii).
+	—	+	Periodic monitoring STEL, in accordance with (4)(c)(iii). Monitor 8-hour TWA annually.

Footnote (*) Exposure Scenario, Limit Exceeded: + = Yes, - = No.
 Footnote (**) The employer may decrease the frequency of exposure monitoring to annually when at least 2 consecutive measurements taken at least 7 days apart show exposures to be below the 8-hour TWA, but at or above the action level.

(iv) Monitoring techniques: Appendix D describes the validated method of sampling and analysis which has been tested by OSHA for use with BD. The employer has the obligation of selecting a monitoring method which meets the accuracy and precision requirements of the standard under his or her unique field conditions. The standard requires that the method of monitoring must be accurate, to a 95 percent confidence level, to plus or minus 25 percent for concentrations of BD at or above 1 ppm, and to plus or minus 35 percent for concentrations below 1 ppm.

(5) Personal Protective Equipment.

(a) Employees should be provided with and required to use impervious clothing, gloves, face shields (eight-inch minimum), and other appropriate protective clothing necessary to prevent the skin from becoming frozen from contact with liquid BD.

(b) Any clothing which becomes wet with liquid BD should be removed immediately and not reworn until the butadiene has evaporated.

(c) Employees should be provided with and required to use splash proof safety goggles where liquid BD may contact the eyes.

(6) Housekeeping and Hygiene Facilities.

For purposes of complying with WAC 296-800-220 and 296-800-230, the following items should be emphasized:

(a) The workplace should be kept clean, orderly, and in a sanitary condition.

(b) Adequate washing facilities with hot and cold water are to be provided and maintained in a sanitary condition.

(7) Additional Precautions.

(a) Store BD in tightly closed containers in a cool, well-ventilated area and take all necessary precautions to avoid any explosion hazard.

(b) Nonsparking tools must be used to open and close metal containers. These containers must be effectively grounded.

(c) Do not incinerate BD cartridges, tanks or other containers.

(d) Employers must advise employees of all areas and operations where exposure to BD might occur.

Appendix C. Medical Screening and Surveillance for 1,3-Butadiene (Nonmandatory)

(1) Basis for Medical Screening and Surveillance Requirements.

(a) Route of Entry Inhalation.

(b) Toxicology.

Inhalation of BD has been linked to an increased risk of cancer, damage to the reproductive organs, and fetotoxicity. Butadiene can be converted via oxidation to epoxybutene and diepoxybutane, two genotoxic metabolites that may play a role in the expression of BD's toxic effects. BD has been tested for carcinogenicity in mice and rats. Both species responded to BD exposure by developing cancer at multiple primary organ sites. Early deaths in mice were caused by malignant lymphomas, primarily lymphocytic type, originating in the thymus.

Mice exposed to BD have developed ovarian or testicular atrophy. Sperm head morphology tests also revealed abnormal sperm in mice exposed to BD; lethal mutations were found in a dominant lethal test. In light of these results in animals, the possibility that BD may adversely affect the reproductive systems of male and female workers must be considered.

Additionally, anemia has been observed in animals exposed to butadiene. In some cases, this anemia appeared to be a primary response to exposure; in other cases, it may have been secondary to a neoplastic response.

(c) Epidemiology.

Epidemiologic evidence demonstrates that BD exposure poses an increased risk of leukemia. Mild alterations of hematologic parameters have also been observed in synthetic rubber workers exposed to BD.

(2) Potential Adverse Health Effects.

(a) Acute.

Skin contact with liquid BD causes characteristic burns or frostbite. BD in gaseous form can irritate the eyes, nasal passages, throat, and lungs. Blurred vision, coughing, and drowsiness may also occur. Effects are mild at 2,000 ppm and pronounced at 8,000 ppm for exposures occurring over the full workshift.

At very high concentrations in air, BD is an anesthetic, causing narcosis, respiratory paralysis, unconsciousness, and

death. Such concentrations are unlikely, however, except in an extreme emergency because BD poses an explosion hazard at these levels.

(b) Chronic.

The principal adverse health effects of concern are BD-induced lymphoma, leukemia and potential reproductive toxicity. Anemia and other changes in the peripheral blood cells may be indicators of excessive exposure to BD.

(c) Reproductive.

Workers may be concerned about the possibility that their BD exposure may be affecting their ability to procreate a healthy child. For workers with high exposures to BD, especially those who have experienced difficulties in conceiving, miscarriages, or stillbirths, appropriate medical and laboratory evaluation of fertility may be necessary to determine if BD is having any adverse effect on the reproductive system or on the health of the fetus.

(3) Medical Screening Components At-A-Glance.

(a) Health Questionnaire.

The most important goal of the health questionnaire is to elicit information from the worker regarding potential signs or symptoms generally related to leukemia or other blood abnormalities. Therefore, physicians or other licensed health care professionals should be aware of the presenting symptoms and signs of lymphohematopoietic disorders and cancers, as well as the procedures necessary to confirm or exclude such diagnoses. Additionally, the health questionnaire will assist with the identification of workers at greatest risk of developing leukemia or adverse reproductive effects from their exposures to BD.

Workers with a history of reproductive difficulties or a personal or family history of immune deficiency syndromes, blood dyscrasias, lymphoma, or leukemia, and those who are or have been exposed to medicinal drugs or chemicals known to affect the hematopoietic or lymphatic systems may be at higher risk from their exposure to BD. After the initial administration, the health questionnaire must be updated annually.

(b) Complete Blood Count (CBC).

The medical screening and surveillance program requires an annual CBC, with differential and platelet count, to be provided for each employee with BD exposure. This test is to be performed on a blood sample obtained by phlebotomy of the venous system or, if technically feasible, from a fingerstick sample of capillary blood. The sample is to be analyzed by an accredited laboratory.

Abnormalities in a CBC may be due to a number of different etiologies. The concern for workers exposed to BD includes, but is not limited to, timely identification of lymphohematopoietic cancers, such as leukemia and non-Hodgkin's lymphoma. Abnormalities of portions of the CBC are identified by comparing an individual's results to those of an established range of normal values for males and females. A substantial change in any individual employee's CBC may also be viewed as "abnormal" for that individual even if all measurements fall within the population-based range of normal values. It is suggested that a flowsheet for laboratory values be included in each employee's medical record so that comparisons and trends in annual CBCs can be easily made.

A determination of the clinical significance of an abnormal CBC shall be the responsibility of the examining physician, other licensed health care professional, or medical specialist to whom the employee is referred. Ideally, an abnormal CBC should be compared to previous CBC measurements for the same employee, when available. Clinical common sense may dictate that a CBC value that is very slightly outside the normal range does not warrant medical concern. A CBC abnormality may also be the result of a temporary physical stressor, such as a transient viral illness, blood donation, or menorrhagia, or laboratory error. In these cases, the CBC should be repeated in a timely fashion, i.e., within 6 weeks, to verify that return to the normal range has occurred. A clinically significant abnormal CBC should result in removal of the employee from further exposure to BD. Transfer of the employee to other work duties in a BD-free environment would be the preferred recommendation.

(c) Physical Examination.

The medical screening and surveillance program requires an initial physical examination for workers exposed to BD; this examination is repeated once every three years. The initial physical examination should assess each worker's baseline general health and rule out clinical signs of medical conditions that may be caused by or aggravated by occupational BD exposure. The physical examination should be directed at identification of signs of lymphohematopoietic disorders, including lymph node enlargement, splenomegaly, and hepatomegaly.

Repeated physical examinations should update objective clinical findings that could be indicative of interim development of a lymphohematopoietic disorder, such as lymphoma, leukemia, or other blood abnormality. Physical examinations may also be provided on an as needed basis in order to follow up on a positive answer on the health questionnaire, or in response to an abnormal CBC. Physical examination of workers who will no longer be working in jobs with BD exposure are intended to rule out lymphohematopoietic disorders.

The need for physical examinations for workers concerned about adverse reproductive effects from their exposure to BD should be identified by the physician or other licensed health care professional and provided accordingly. For these workers, such consultations and examinations may relate to developmental toxicity and reproductive capacity.

Physical examination of workers acutely exposed to significant levels of BD should be especially directed at the respiratory system, eyes, sinuses, skin, nervous system, and any region associated with particular complaints. If the worker has received a severe acute exposure, hospitalization may be required to assure proper medical management. Since this type of exposure may place workers at greater risk of blood abnormalities, a CBC must be obtained within 48 hours and repeated at one, two, and three months.

Appendix D: Sampling and Analytical Method for 1,3-Butadiene (Nonmandatory)

OSHA Method No.: 56.

Matrix: Air.

Target concentration: 1 ppm (2.21 mg/m(3)).

Procedure: Air samples are collected by drawing known volumes of air through sampling tubes containing charcoal

adsorbent which has been coated with 4-tert-butylcatechol. The samples are desorbed with carbon disulfide and then analyzed by gas chromatography using a flame ionization detector.

Recommended sampling rate and air volume: 0.05 L/min and 3 L.

Detection limit of the overall procedure: 90 ppb (200 ug/m(3)) (based on 3 L air volume).

Reliable quantitation limit: 155 ppb (343 ug/m(3)) (based on 3 L air volume).

Standard error of estimate at the target concentration: 6.5%.

Special requirements: The sampling tubes must be coated with 4-tert-butylcatechol. Collected samples should be stored in a freezer.

Status of method: A sampling and analytical method has been subjected to the established evaluation procedures of the Organic Methods Evaluation Branch, OSHA Analytical Laboratory, Salt Lake City, Utah 84165.

(1) Background.

This work was undertaken to develop a sampling and analytical procedure for BD at 1 ppm. The current method recommended by OSHA for collecting BD uses activated coconut shell charcoal as the sampling medium (Ref. 5.2). This method was found to be inadequate for use at low BD levels because of sample instability.

The stability of samples has been significantly improved through the use of a specially cleaned charcoal which is coated with 4-tert-butylcatechol (TBC). TBC is a polymerization inhibitor for BD (Ref. 5.3).

(a) Toxic effects.

Symptoms of human exposure to BD include irritation of the eyes, nose and throat. It can also cause coughing, drowsiness and fatigue. Dermatitis and frostbite can result from skin exposure to liquid BD. (Ref. 5.1)

NIOSH recommends that BD be handled in the workplace as a potential occupational carcinogen. This recommendation is based on two inhalation studies that resulted in cancers at multiple sites in rats and in mice. BD has also demonstrated mutagenic activity in the presence of a liver microsomal activating system. It has also been reported to have adverse reproductive effects. (Ref. 5.1)

(b) Potential workplace exposure.

About 90% of the annual production of BD is used to manufacture styrene-butadiene rubber and Polybutadiene rubber. Other uses include: Polychloroprene rubber, acrylonitrile butadiene-styrene resins, nylon intermediates, styrene-butadiene latexes, butadiene polymers, thermoplastic elastomers, nitrile resins, methyl methacrylate-butadiene styrene resins and chemical intermediates. (Ref. 5.1)

(c) Physical properties (Ref. 5.1).

CAS No.: 106-99-0

Molecular weight: 54.1

Appearance: Colorless gas

Boiling point: -4.41 deg. C (760 mm Hg)

Freezing point: -108.9 deg. C

Vapor pressure: 2 atm (a) 15.3 deg. C; 5 atm (a) 47 deg. C

Explosive limits: 2 to 11.5% (by volume in air)

Odor threshold: 0.45 ppm

Structural formula: H(2)C:CHCH:CH(2)

Synonyms: BD; biethylene; bivinylyl; butadiene; divinyl; buta-1,3-diene; alpha-gamma-butadiene; erythrene; NCI-C50602; pyrrolylene; vinyl ethylene.

(d) Limit defining parameters.

The analyte air concentrations listed throughout this method are based on an air volume of 3 L and a desorption volume of 1 mL. Air concentrations listed in ppm are referenced to 25 deg. C and 760 mm Hg.

(e) Detection limit of the analytical procedure.

The detection limit of the analytical procedure was 304 pg per injection. This was the amount of BD which gave a response relative to the interferences present in a standard.

(f) Detection limit of the overall procedure.

The detection limit of the overall procedure was 0.60 ug per sample (90 ppb or 200 ug/m(3)). This amount was determined graphically. It was the amount of analyte which, when spiked on the sampling device, would allow recovery approximately equal to the detection limit of the analytical procedure.

(g) Reliable quantitation limit.

The reliable quantitation limit was 1.03 ug per sample (155 ppb or 343 ug/m(3)). This was the smallest amount of analyte which could be quantitated within the limits of a recovery of at least 75% and a precision (+/- 1.96 SD) of +/- 25% or better.

(h) Sensitivity.(1)

Footnote (1) The reliable quantitation limit and detection limits reported in the method are based upon optimization of the instrument for the smallest possible amount of analyte. When the target concentration of an analyte is exceptionally higher than these limits, they may not be attainable at the routine operation parameters.

The sensitivity of the analytical procedure over a concentration range representing 0.6 to 2 times the target concentration, based on the recommended air volume, was 387 area units per ug/mL. This value was determined from the slope of the calibration curve. The sensitivity may vary with the particular instrument used in the analysis.

(i) Recovery.

The recovery of BD from samples used in storage tests remained above 77% when the samples were stored at ambient temperature and above 94% when the samples were stored at refrigerated temperature. These values were determined from regression lines which were calculated from the storage data. The recovery of the analyte from the collection device must be at least 75% following storage.

(j) Precision (analytical method only).

The pooled coefficient of variation obtained from replicate determinations of analytical standards over the range of 0.6 to 2 times the target concentration was 0.011.

(k) Precision (overall procedure).

The precision at the 95% confidence level for the refrigerated temperature storage test was +/- 12.7%. This value includes an additional +/- 5% for sampling error. The overall procedure must provide results at the target concentrations that are +/- 25% at the 95% confidence level.

(l) Reproducibility.

Samples collected from a controlled test atmosphere and a draft copy of this procedure were given to a chemist unas-

sociated with this evaluation. The average recovery was 97.2% and the standard deviation was 6.2%.

(2) Sampling procedure.

(a) Apparatus. Samples are collected by use of a personal sampling pump that can be calibrated to within +/- 5% of the recommended 0.05 L/min sampling rate with the sampling tube in line.

(b) Samples are collected with laboratory prepared sampling tubes. The sampling tube is constructed of silane-treated glass and is about 5-cm long. The ID is 4 mm and the OD is 6 mm. One end of the tube is tapered so that a glass wool end plug will hold the contents of the tube in place during sampling. The opening in the tapered end of the sampling tube is at least one-half the ID of the tube (2 mm). The other end of the sampling tube is open to its full 4-mm ID to facilitate packing of the tube. Both ends of the tube are fire-polished for safety. The tube is packed with 2 sections of pre-treated charcoal which has been coated with TBC. The tube is packed with a 50-mg backup section, located nearest the tapered end, and with a 100-mg sampling section of charcoal. The two sections of coated adsorbent are separated and retained with small plugs of silanized glass wool. Following packing, the sampling tubes are sealed with two 7/32 inch OD plastic end caps. Instructions for the pretreatment and coating of the charcoal are presented in Section 4.1 of this method.

(c) Reagents.

None required.

(d) Technique.

(i) Properly label the sampling tube before sampling and then remove the plastic end caps.

(ii) Attach the sampling tube to the pump using a section of flexible plastic tubing such that the larger front section of the sampling tube is exposed directly to the atmosphere. Do not place any tubing ahead of the sampling tube. The sampling tube should be attached in the worker's breathing zone in a vertical manner such that it does not impede work performance.

(iii) After sampling for the appropriate time, remove the sampling tube from the pump and then seal the tube with plastic end caps. Wrap the tube lengthwise.

(iv) Include at least one blank for each sampling set. The blank should be handled in the same manner as the samples with the exception that air is not drawn through it.

(v) List any potential interferences on the sample data sheet.

(vi) The samples require no special shipping precautions under normal conditions. The samples should be refrigerated if they are to be exposed to higher than normal ambient temperatures. If the samples are to be stored before they are shipped to the laboratory, they should be kept in a freezer. The samples should be placed in a freezer upon receipt at the laboratory.

(e) Breakthrough.

(Breakthrough was defined as the relative amount of analyte found on the backup section of the tube in relation to the total amount of analyte collected on the sampling tube. Five-percent breakthrough occurred after sampling a test atmosphere containing 2.0 ppm BD for 90 min. at 0.05 L/min. At the end of this time 4.5 L of air had been sampled

and 20.1 ug of the analyte was collected. The relative humidity of the sampled air was 80% at 23 deg. C.)

Breakthrough studies have shown that the recommended sampling procedure can be used at air concentrations higher than the target concentration. The sampling time, however, should be reduced to 45 min. if both the expected BD level and the relative humidity of the sampled air are high.

(f) Desorption efficiency.

The average desorption efficiency for BD from TBC coated charcoal over the range from 0.6 to 2 times the target concentration was 96.4%. The efficiency was essentially constant over the range studied.

(g) Recommended air volume and sampling rate.

(h) The recommended air volume is 3 L.

(i) The recommended sampling rate is 0.05 L/min. for 1 hour.

(j) Interferences.

There are no known interferences to the sampling method.

(k) Safety precautions.

(i) Attach the sampling equipment to the worker in such a manner that it will not interfere with work performance or safety.

(ii) Follow all safety practices that apply to the work area being sampled.

(3) Analytical procedure.

(a) Apparatus.

(i) A gas chromatograph (GC), equipped with a flame ionization detector (FID).(2)

Footnote (2) A Hewlett-Packard Model 5840A GC was used for this evaluation. Injections were performed using a Hewlett-Packard Model 7671A automatic sampler.

(ii) A GC column capable of resolving the analytes from any interference.(3)

Footnote (3) A 20-ft x 1/8-inch OD stainless steel GC column containing 20% FFAP on 80/100 mesh Chromabsorb W-AW-DMCS was used for this evaluation.

(ii) Vials, glass 2-mL with Teflon-lined caps.

(iv) Disposable Pasteur-type pipets, volumetric flasks, pipets and syringes for preparing samples and standards, making dilutions and performing injections.

(b) Reagents.

(i) Carbon disulfide.(4)

Footnote (4) Fisher Scientific Company A.C.S. Reagent Grade solvent was used in this evaluation.

The benzene contaminant that was present in the carbon disulfide was used as an internal standard (ISTD) in this evaluation.

(ii) Nitrogen, hydrogen and air, GC grade.

(iii) BD of known high purity.(5)

Footnote (5) Matheson Gas Products, CP Grade 1,3-butadiene was used in this study.

(c) Standard preparation.

(i) Prepare standards by diluting known volumes of BD gas with carbon disulfide. This can be accomplished by injecting the appropriate volume of BD into the headspace above the 1-mL of carbon disulfide contained in sealed 2-mL vial. Shake the vial after the needle is removed from the septum.(6)

Footnote (6) A standard containing 7.71 ug/mL (at ambient temperature and pressure) was prepared by diluting 4 uL of the gas with 1-mL of carbon disulfide.

(ii) The mass of BD gas used to prepare standards can be determined by use of the following equations:

$$MV = (760/BP)(273+t)/(273)(22.41)$$

Where:

MV = ambient molar volume

BP = ambient barometric pressure

T = ambient temperature

ug/uL = 54.09/MV

ug/standard = (ug/uL)(uL) BD used to prepare the standard

(d) Sample preparation.

(i) Transfer the 100-mg section of the sampling tube to a 2-mL vial. Place the 50-mg section in a separate vial. If the glass wool plugs contain a significant amount of charcoal, place them with the appropriate sampling tube section.

(ii) Add 1-mL of carbon disulfide to each vial.

(iii) Seal the vials with Teflon-lined caps and then allow them to desorb for one hour. Shake the vials by hand vigorously several times during the desorption period.

(iv) If it is not possible to analyze the samples within 4 hours, separate the carbon disulfide from the charcoal, using a disposable Pasteur-type pipet, following the one hour. This separation will improve the stability of desorbed samples.

(v) Save the used sampling tubes to be cleaned and repacked with fresh adsorbent.

(e) Analysis.

(i) GC Conditions.

Column temperature: 95 deg. C

Injector temperature: 180 deg. C

Detector temperature: 275 deg. C

Carrier gas flow rate: 30 mL/min.

Injection volume: 0.80 uL

GC column: 20-ft x 1/8-in OD stainless steel GC column containing 20%

FFAP on 80/100 Chromabsorb W-AW-DMCS.

(ii) Chromatogram. See Section 4.2.

(iii) Use a suitable method, such as electronic or peak heights, to measure detector response.

(iv) Prepare a calibration curve using several standard solutions of different concentrations. Prepare the calibration curve daily. Program the integrator to report the results in ug/mL.

(v) Bracket sample concentrations with standards.

(f) Interferences (analytical).

(i) Any compound with the same general retention time as the analyte and which also gives a detector response is a potential interference. Possible interferences should be reported by the industrial hygienist to the laboratory with submitted samples.

(ii) GC parameters (temperature, column, etc.) may be changed to circumvent interferences.

(iii) A useful means of structure designation is GC/MS. It is recommended that this procedure be used to confirm samples whenever possible.

(g) Calculations.

(i) Results are obtained by use of calibration curves. Calibration curves are prepared by plotting detector response

against concentration for each standard. The best line through the data points is determined by curve fitting.

(ii) The concentration, in ug/mL, for a particular sample is determined by comparing its detector response to the calibration curve. If any analyte is found on the backup section, this amount is added to the amount found on the front section. Blank corrections should be performed before adding the results together.

(iii) The BD air concentration can be expressed using the following equation:

$$\text{mg/m}(3) = (A)(B)/(C)(D)$$

Where:

A = ug/mL from Section 3.7.2

B = volume

C = L of air sampled

D = efficiency

(iv) The following equation can be used to convert results in mg/m(3) to ppm:

$$\text{ppm} = (\text{mg/m}(3))(24.46)/54.09$$

Where:

mg/m(3) = result from Section 3.7.3.

24.46 = molar volume of an ideal gas at 760 mm Hg and 25 deg. C.

(h) Safety precautions (analytical).

(i) Avoid skin contact and inhalation of all chemicals.

(ii) Restrict the use of all chemicals to a fume hood whenever possible.

(iii) Wear safety glasses and a lab coat in all laboratory areas.

(4) Additional Information.

(a) A procedure to prepare specially cleaned charcoal coated with TBC.

(i) Apparatus.

(A) Magnetic stirrer and stir bar.

(B) Tube furnace capable of maintaining a temperature of 700 deg. C and equipped with a quartz tube that can hold 30 g of charcoal.(8)

Footnote (8) A Lindberg Type 55035 Tube furnace was used in this evaluation.

(C) A means to purge nitrogen gas through the charcoal inside the quartz tube.

(D) Water bath capable of maintaining a temperature of 60 deg. C.

(E) Miscellaneous laboratory equipment: One-liter vacuum flask, 1-L Erlenmeyer flask, 350-M1 Buchner funnel with a coarse fitted disc, 4-oz brown bottle, rubber stopper, Teflon tape etc.

(ii) Reagents.

(A) Phosphoric acid, 10% by weight, in water.(9)

Footnote (9) Baker Analyzed Reagent grade was diluted with water for use in this evaluation.

(B) 4-tert-Butylcatechol (TBC).(10)

Footnote (10) The Aldrich Chemical Company 99% grade was used in this evaluation.

(C) Specially cleaned coconut shell charcoal, 20/40 mesh.(11)

Footnote (11) Specially cleaned charcoal was obtained from Supelco, Inc. for use in this evaluation. The cleaning process used by Supelco is proprietary.

(D) Nitrogen gas, GC grade.

(iii) Procedure.

Weigh 30g of charcoal into a 500-mL Erlenmeyer flask. Add about 250 mL of 10% phosphoric acid to the flask and then swirl the mixture. Stir the mixture for 1 hour using a magnetic stirrer. Filter the mixture using a fitted Buchner funnel. Wash the charcoal several times with 250-mL portions of deionized water to remove all traces of the acid. Transfer the washed charcoal to the tube furnace quartz tube. Place the quartz tube in the furnace and then connect the nitrogen gas purge to the tube. Fire the charcoal to 700 deg. C. Maintain that temperature for at least 1 hour. After the charcoal has cooled to room temperature, transfer it to a tared beaker. Determine the weight of the charcoal and then add an amount of TBC which is 10% of the charcoal, by weight.

CAUTION-TBC is toxic and should only be handled in a fume hood while wearing gloves.

Carefully mix the contents of the beaker and then transfer the mixture to a 4-oz bottle. Stopper the bottle with a clean rubber stopper which has been wrapped with Teflon tape. Clamp the bottle in a water bath so that the water level is above the charcoal level. Gently heat the bath to 60 deg. C and then maintain that temperature for 1 hour. Cool the charcoal to room temperature and then transfer the coated charcoal to a suitable container.

The coated charcoal is now ready to be packed into sampling tubes. The sampling tubes should be stored in a sealed container to prevent contamination. Sampling tubes should be stored in the dark at room temperature. The sampling tubes should be segregated by coated adsorbent lot number.

(b) Chromatograms.

The chromatograms were obtained using the recommended analytical method. The chart speed was set at 1 cm/min. for the first three min. and then at 0.2 cm/min. for the time remaining in the analysis.

The peak which elutes just before BD is a reaction product between an impurity on the charcoal and TBC. This peak is always present, but it is easily resolved from the analyte. The peak which elutes immediately before benzene is an oxidation product of TBC.

(5) References.

(a) "Current Intelligence Bulletin 41, 1,3-Butadiene," U.S. Dept. of Health and Human Services, Public Health Service, Center for Disease Control, NIOSH.

(b) "NIOSH Manual of Analytical Methods," 2nd ed.; U.S. Dept. of Health Education and Welfare, National Institute for Occupational Safety and Health: Cincinnati, OH, 1977, Vol. 2, Method No. S91 DHEW (NIOSH) Publ. (U.S.), No. 77-157-B.

(c) Hawley, G.C., Ed. "The Condensed Chemical Dictionary," 8th ed.; Van Nostrand Rienhold Company: New York, 1971; 139.5.4. Chem. Eng. News (June 10, 1985), (63), 22-66.

Appendix E: Reserved.

APPENDIX F, MEDICAL QUESTIONNAIRES, (Non-mandatory)

1,3-Butadiene (BD) Initial Health Questionnaire

DIRECTIONS:

You have been asked to answer the questions on this form because you work with BD (butadiene). These questions are about your work, medical history, and health concerns. Please do your best to answer all of the questions. If you need help, please tell the doctor or health care professional who reviews this form.

This form is a confidential medical record. Only information directly related to your health and safety on the job may be given to your employer. Personal health information will not be given to anyone without your consent.

Date: _____
Name: _____ SSN ___/___/___
Last First MI

Job Title: _____
Company's Name: _____
Supervisor's Name: _____
Supervisor's Phone No.: () _____-

Work History

1. Please list all jobs you have had in the past, starting with the job you have now and moving back in time to your first job. (For more space, write on the back of this page.)

Main Job Duty
Year
Company Name
City, State

Chemicals

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.

2. Please describe what you do during a typical work day. Be sure to tell about your work with BD.

3. Please check any of these chemicals that you work with now or have worked with in the past:

- benzene _____
- glues _____
- toluene _____
- inks, dyes _____
- other solvents, grease cutters _____
- insecticides (like DDT, lindane, etc.) _____
- paints, varnishes, thinners, strippers _____
- dusts _____

- carbon tetrachloride ("carbon tet") _____
- arsine _____
- carbon disulfide _____
- lead _____
- cement _____
- petroleum products _____
- nitrites _____

4. Please check the protective clothing or equipment you use at the job you have now:

- gloves _____
- coveralls _____
- respirator _____
- dust mask _____
- safety glasses, goggles _____

Please circle your answer.

5. Does your protective clothing or equipment fit you properly? yes no

6. Have you ever made changes in your protective clothing or equipment to make it fit better? yes no

7. Have you been exposed to BD when you were not wearing protective clothing or equipment? yes no

8. Where do you eat, drink and/or smoke when you are at work? (Please check all that apply.)

- Cafeteria/restaurant/snack bar _____
- Break room/employee lounge _____
- Smoking lounge _____
- At my work station _____

Please circle your answer.

9. Have you been exposed to radiation (like x-rays or nuclear material) at the job you have now or at past jobs? yes no

10. Do you have any hobbies that expose you to dusts or chemicals (including paints, glues, etc.)? yes no

11. Do you have any second or side jobs? yes no

If yes, what are your duties there?

12. Were you in the military? yes no

If yes, what did you do in the military? _____

Family Health History

1. In the FAMILY MEMBER column, across from the disease name, write which family member, if any, had the disease.

- DISEASE
- FAMILY MEMBER
- Cancer
- Lymphoma
- Sickle Cell Disease or Trait
- Immune Disease
- Leukemia
- Anemia

2. Please fill in the following information about family health

- Relative
- Alive?
- Age at Death?
- Cause of Death?
- Father
- Mother
- Brother/Sister
- Brother/Sister
- Brother/Sister

Personal Health History

Birth Date ___/___/___ Age ___ Sex ___ Height ___ Weight ___

Please circle your answer.

1. Do you smoke any tobacco products? yes no

2. Have you ever had any kind of surgery or operation? yes no

If yes, what type of surgery:

3. Have you ever been in the hospital for any other reasons? yes no

If yes, please describe the reason _____

4. Do you have any on-going or current medical problems or conditions? yes no

If yes, please describe: _____

5. Do you now have or have you ever had any of the following? Please check all that apply to you.

- unexplained fever _____
- anemia ("low blood") _____
- HIV/AIDS _____
- weakness _____
- sickle cell _____
- miscarriage _____
- skin rash _____
- bloody stools _____

- leukemia/lymphoma _____
- neck mass/swelling _____
- wheezing _____
- yellowing of skin _____
- bruising easily _____
- lupus _____
- weight loss _____
- kidney problems _____
- enlarged lymph nodes _____
- liver disease _____
- cancer _____
- infertility _____
- drinking problems _____
- thyroid problems _____
- night sweats _____
- chest pain _____
- still birth _____
- eye redness _____
- lumps you can feel _____
- child with birth defect _____
- autoimmune disease _____
- overly tired _____
- lung problems _____
- rheumatoid arthritis _____
- mononucleosis ("mono") _____
- nagging cough _____

Please circle your answer.

6. Do you have any symptoms or health problems that you think may be related to your work with BD? yes no

If yes, please describe: _____

7. Have any of your co-workers had similar symptoms or problems? yes no don't know

If yes, please describe: _____

8. Do you notice any irritation of your eyes, nose, throat, lungs, or skin when working with BD? yes no

9. Do you notice any blurred vision, coughing, drowsiness, nausea, or headache when working with BD? yes no

10. Do you take any medications (including birth control or over-the-counter)? yes no

If yes, please list: _____

11. Are you allergic to any medication, food, or chemicals? yes no

If yes, please list: _____

12. Do you have any health conditions not covered by this questionnaire that you think are affected by your work with BD? yes no

If yes, please explain: _____

13. Did you understand all the questions? yes no

Signature _____

1,3-Butadiene (BD) Health Update Questionnaire

DIRECTIONS:

You have been asked to answer the questions on this form because you work with BD (butadiene). These questions are about your work, medical history, and health concerns. Please do your best to answer all of the questions. If you need help, please tell the doctor or health care professional who reviews this form.

This form is a confidential medical record. Only information directly related to your health and safety on the job may be given to your employer. Personal health information will not be given to anyone without your consent.

Date: _____

Name: _____ SSN ___/___/___
Last First MI

Job Title: _____

Company's Name: _____

Supervisor's Name: _____

Supervisor's Phone No.: () - ___ - _____

1. Please describe any NEW duties that you have at your job. _____

2. Please describe any additional job duties you have:

_____	_____
_____	_____
_____	_____
_____	_____

Please circle your answer.

3. Are you exposed to any other chemicals in your work since the last time you were evaluated for exposure to BD? yes no

If yes, please list what they are: _____

4. Does your personal protective equipment and clothing fit you properly? yes no

5. Have you made changes in this equipment or clothing to make it fit better? yes no

6. Have you been exposed to BD when you were not wearing protective clothing or equipment? yes no

7. Are you exposed to any NEW chemicals at home or while working on hobbies? yes no

If yes, please list what they are: _____

8. Since your last BD health evaluation, have you started working any new second or side jobs? yes no

If yes, what are your duties there? _____

Personal Health History

1. What is your current weight? pounds

2. Have you been diagnosed with any new medical conditions or illness since your last evaluation? yesno

If yes, please tell what they are: _____

3. Since your last evaluation, have you been in the hospital for any illnesses, injuries, or surgery? yes no

If yes, please describe: _____

4. Do you have any of the following? Please place a check for all that apply to you.

- unexplained fever _____
- anemia ("low blood") _____
- HIV/AIDS _____
- weakness _____
- sickle cell _____
- miscarriage _____
- skin rash _____
- bloody stools _____
- leukemia/lymphoma _____
- neck mass/swelling _____
- wheezing _____
- yellowing of skin _____
- bruising easily _____
- lupus _____
- weight loss _____
- kidney problems _____
- enlarged lymph nodes _____
- liver disease _____
- cancer _____
- infertility _____

- drinking problems _____
- thyroid problems _____
- night sweats _____
- chest pain _____
- still birth _____
- eye redness _____
- lumps you can feel _____
- child with birth defect _____
- autoimmune disease _____
- overly tired _____
- lung problems _____
- rheumatoid arthritis _____
- mononucleosis ("mono") _____
- nagging cough _____

Please circle your answer.

5. Do you have any symptoms or health problems that you think may be related to your work with BD? yes no

If yes, please describe: _____

6. Have any of your co-workers had similar symptoms or problems? yes no don't know

If yes, please describe: _____

7. Do you notice any irritation of your eyes, nose, throat, lungs, or skin when working with BD? yes no

8. Do you notice any blurred vision, coughing, drowsiness, nausea, or headache when working with BD? yes no

9. Have you been taking any NEW medications (including birth control or over-the-counter)? yes no

If yes, please list:

- _____
- _____
- _____

10. Have you developed any new allergies to medications, foods, or chemicals? yes no

If yes, please list:

- _____
- _____
- _____

11. Do you have any health conditions not covered by this questionnaire that you think are affected by your work with BD? yes no

If yes, please explain: _____

12. Do you understand all the questions? yes no

Signature _____

AMENDATORY SECTION (Amending WSR 07-05-072, filed 2/20/07, effective 4/1/07)

WAC 296-62-07470 Methylene chloride. This occupational health standard establishes requirements for employers to control occupational exposure to methylene chloride (MC). Employees exposed to MC are at increased risk of developing cancer, adverse effects on the heart, central nervous system and liver, and skin or eye irritation. Exposure may occur through inhalation, by absorption through the skin, or through contact with the skin. MC is a solvent which is used in many different types of work activities, such as paint stripping, polyurethane foam manufacturing, and cleaning and degreasing. Under the requirements of subsection (4) of this section, each covered employer must make an initial determination of each employee's exposure to MC. If the employer determines that employees are exposed below the action level, the only other provisions of this section that apply are that a record must be made of the determination, the employees must receive information and training under subsection (12) of this section and, where appropriate, employees must be protected from contact with liquid MC under subsection (8) of this section.

The provisions of the MC standard are as follows:

(1) Scope and application. This section applies to all occupational exposures to methylene chloride (MC), Chemical Abstracts Service Registry Number 75-09-2, in general industry, construction and shipyard employment.

(2) Definitions. For the purposes of this section, the following definitions shall apply:

"Action level" means a concentration of airborne MC of 12.5 parts per million (ppm) calculated as an eight-hour time-weighted average (TWA).

"Authorized person" means any person specifically authorized by the employer and required by work duties to be present in regulated areas, or any person entering such an area as a designated representative of employees for the purpose of exercising the right to observe monitoring and measuring procedures under subsection (4) of this section, or any other person authorized by the WISH Act or regulations issued under the act.

"Director" means the director of the department of labor and industries, or designee.

"Emergency" means any occurrence, such as, but not limited to, equipment failure, rupture of containers, or failure of control equipment, which results, or is likely to result in an uncontrolled release of MC. If an incidental release of MC can be controlled by employees such as maintenance personnel at the time of release and in accordance with the leak/spill provisions required by subsection (6) of this section, it is not considered an emergency as defined by this standard.

"Employee exposure" means exposure to airborne MC which occurs or would occur if the employee were not using respiratory protection.

"Methylene chloride (MC)" means an organic compound with chemical formula, CH₂Cl₂. Its Chemical Abstracts Service Registry Number is 75-09-2. Its molecular weight is 84.9 g/mole.

"Physician or other licensed health care professional" is an individual whose legally permitted scope of practice (i.e., license, registration, or certification) allows him or her to

independently provide or be delegated the responsibility to provide some or all of the health care services required by subsection (10) of this section.

"Regulated area" means an area, demarcated by the employer, where an employee's exposure to airborne concentrations of MC exceeds or can reasonably be expected to exceed either the eight-hour TWA PEL or the STEL.

"Symptom" means central nervous system effects such as headaches, disorientation, dizziness, fatigue, and decreased attention span; skin effects such as chapping, erythema, cracked skin, or skin burns; and cardiac effects such as chest pain or shortness of breath.

"This section" means this methylene chloride standard.

(3) Permissible exposure limits (PELs).

(a) Eight-hour time-weighted average (TWA) PEL. The employer shall ensure that no employee is exposed to an airborne concentration of MC in excess of twenty-five parts of MC per million parts of air (25 ppm) as an eight-hour TWA.

(b) Short-term exposure limit (STEL). The employer shall ensure that no employee is exposed to an airborne concentration of MC in excess of one hundred and twenty-five parts of MC per million parts of air (125 ppm) as determined over a sampling period of fifteen minutes.

(4) Exposure monitoring.

(a) Characterization of employee exposure.

(i) Where MC is present in the workplace, the employer shall determine each employee's exposure by either:

(A) Taking a personal breathing zone air sample of each employee's exposure; or

(B) Taking personal breathing zone air samples that are representative of each employee's exposure.

(ii) Representative samples. The employer may consider personal breathing zone air samples to be representative of employee exposures when they are taken as follows:

(A) Eight-hour TWA PEL. The employer has taken one or more personal breathing zone air samples for at least one employee in each job classification in a work area during every work shift, and the employee sampled is expected to have the highest MC exposure.

(B) Short-term exposure limits. The employer has taken one or more personal breathing zone air samples which indicate the highest likely fifteen-minute exposures during such operations for at least one employee in each job classification in the work area during every work shift, and the employee sampled is expected to have the highest MC exposure.

(C) Exception. Personal breathing zone air samples taken during one work shift may be used to represent employee exposures on other work shifts where the employer can document that the tasks performed and conditions in the workplace are similar across shifts.

(iii) Accuracy of monitoring. The employer shall ensure that the methods used to perform exposure monitoring produce results that are accurate to a confidence level of ninety-five percent, and are:

(A) Within plus or minus twenty-five percent for airborne concentrations of MC above the eight-hour TWA PEL or the STEL; or

(B) Within plus or minus thirty-five percent for airborne concentrations of MC at or above the action level but at or below the eight-hour TWA PEL.

(b) Initial determination. Each employer whose employees are exposed to MC shall perform initial exposure monitoring to determine each affected employee's exposure, except under the following conditions:

(i) Where objective data demonstrate that MC cannot be released in the workplace in airborne concentrations at or above the action level or above the STEL. The objective data shall represent the highest MC exposures likely to occur under reasonably foreseeable conditions of processing, use, or handling. The employer shall document the objective data exemption as specified in subsection (13) of this section;

(ii) Where the employer has performed exposure monitoring within 12 months prior to December 1, and that exposure monitoring meets all other requirements of this section, and was conducted under conditions substantially equivalent to existing conditions; or

(iii) Where employees are exposed to MC on fewer than thirty days per year (e.g., on a construction site), and the employer has measurements by direct reading instruments which give immediate results (such as a detector tube) and which provide sufficient information regarding employee exposures to determine what control measures are necessary to reduce exposures to acceptable levels.

(c) Periodic monitoring. Where the initial determination shows employee exposures at or above the action level or above the STEL, the employer shall establish an exposure monitoring program for periodic monitoring of employee exposure to MC in accordance with Table 1:

Table 1
Six Initial Determination Exposure Scenarios and Their Associated Monitoring Frequencies

Exposure scenario	Required monitoring activity
Below the action level and at or below the STEL.	No eight-hour TWA or STEL monitoring required.
Below the action level and above the STEL.	No eight-hour TWA monitoring required; monitor STEL exposures every three months.
At or above the action level, at or below the TWA, and at or below the STEL.	Monitor eight-hour TWA exposures every six months.
At or above the action level, at or below the TWA, and above the STEL.	Monitor eight-hour TWA exposures every six months and monitor STEL exposures every three months.
Above the TWA and at or below the STEL.	Monitor eight-hour TWA exposures every three months. In addition, without regard to the last sentence of the note to subsection (3) of this section, the following employers must monitor STEL exposures every

Exposure scenario	Required monitoring activity
	three months until either the date by which they must achieve the eight-hour TWAs PEL under subsection (3) of this section or the date by which they in fact achieve the eight-hour TWA PEL, whichever comes first:
	<ul style="list-style-type: none"> • Employers engaged in polyurethane foam manufacturing; • Foam fabrication; • Furniture refinishing; • General aviation aircraft striping; • Product formulation; • Use of MC-based adhesives for boat building and repair; • Recreational vehicle manufacture, van conversion, or upholstery; and use of MC in construction work for restoration and preservation of buildings, painting and paint removal, cabinet making, or floor refinishing and resurfacing.
Above the TWA and above the STEL.	Monitor both eight-hour TWA exposures and STEL exposures every three months.

(Note to subsection (3)(c) of this section: The employer may decrease the frequency of exposure monitoring to every six months when at least two consecutive measurements taken at least seven days apart show exposures to be at or below the eight-hour TWA PEL. The employer may discontinue the periodic eight-hour TWA monitoring for employees where at least two consecutive measurements taken at least seven days apart are below the action level. The employer may discontinue the periodic STEL monitoring for employees where at least two consecutive measurements taken at least seven days apart are at or below the STEL.)

(d) Additional monitoring.

(i) The employer shall perform exposure monitoring when a change in workplace conditions indicates that employee exposure may have increased. Examples of situations that may require additional monitoring include changes in production, process, control equipment, or work practices, or a leak, rupture, or other breakdown.

(ii) Where exposure monitoring is performed due to a spill, leak, rupture or equipment breakdown, the employer shall clean up the MC and perform the appropriate repairs before monitoring.

(e) Employee notification of monitoring results.

(i) The employer shall, within fifteen working days after the receipt of the results of any monitoring performed under

this section, notify each affected employee of these results in writing, either individually or by posting of results in an appropriate location that is accessible to affected employees.

(ii) Whenever monitoring results indicate that employee exposure is above the eight-hour TWA PEL or the STEL, the employer shall describe in the written notification the corrective action being taken to reduce employee exposure to or below the eight-hour TWA PEL or STEL and the schedule for completion of this action.

(f) Observation of monitoring.

(i) Employee observation. The employer shall provide affected employees or their designated representatives an opportunity to observe any monitoring of employee exposure to MC conducted in accordance with this section.

(ii) Observation procedures. When observation of the monitoring of employee exposure to MC requires entry into an area where the use of protective clothing or equipment is required, the employer shall provide, at no cost to the observer(s), and the observer(s) shall be required to use such clothing and equipment and shall comply with all other applicable safety and health procedures.

(5) Regulated areas.

(a) The employer shall establish a regulated area whenever an employee's exposure to airborne concentrations of MC exceeds or can reasonably be expected to exceed either the eight-hour TWA PEL or the STEL.

(b) The employer shall limit access to regulated areas to authorized persons.

(c) The employer shall supply a respirator, selected in accordance with subsection (7)(c) of this section, to each person who enters a regulated area and shall require each affected employee to use that respirator whenever MC exposures are likely to exceed the eight-hour TWA PEL or STEL.

(Note to subsection (5)(c) of this section: An employer who has implemented all feasible engineering, work practice and administrative controls (as required in subsection (6) of this section), and who has established a regulated area (as required by subsection (5)(a) of this section) where MC exposure can be reliably predicted to exceed the eight-hour TWA PEL or the STEL only on certain days (for example, because of work or process schedule) would need to have affected employees use respirators in that regulated area only on those days.)

(d) The employer shall ensure that, within a regulated area, employees do not engage in nonwork activities which may increase dermal or oral MC exposure.

(e) The employer shall ensure that while employees are wearing respirators, they do not engage in activities (such as taking medication or chewing gum or tobacco) which interfere with respirator seal or performance.

(f) The employer shall demarcate regulated areas from the rest of the workplace in any manner that adequately establishes and alerts employees to the boundaries of the area and minimizes the number of authorized employees exposed to MC within the regulated area.

(g) An employer at a multiemployer worksite who establishes a regulated area shall communicate the access restrictions and locations of these areas to all other employers with work operations at that worksite.

(6) Methods of compliance.

(a) Engineering and work practice controls. The employer shall institute and maintain the effectiveness of engineering controls and work practices to reduce employee exposure to or below the PELs except to the extent that the employer can demonstrate that such controls are not feasible.

(b) Wherever the feasible engineering controls and work practices which can be instituted are not sufficient to reduce employee exposure to or below the 8-TWA PEL or STEL, the employer shall use them to reduce employee exposure to the lowest levels achievable by these controls and shall supplement them by the use of respiratory protection that complies with the requirements of subsection (7) of this section.

(c) Prohibition of rotation. The employer shall not implement a schedule of employee rotation as a means of compliance with the PELs.

(d) Leak and spill detection.

(i) The employer shall implement procedures to detect leaks of MC in the workplace. In work areas where spills may occur, the employer shall make provisions to contain any spills and to safely dispose of any MC-contaminated waste materials.

(ii) The employer shall ensure that all incidental leaks are repaired and that incidental spills are cleaned promptly by employees who use the appropriate personal protective equipment and are trained in proper methods of cleanup.

(Note to subsection (6)(d)(ii) of this section: See Appendix A of this section for examples of procedures that satisfy this requirement. Employers covered by this standard may also be subject to the hazardous waste and emergency response provisions contained in WAC 296-62-3112.)

(7) Respiratory protection.

(a) General requirements. For employees who use respirators required by this section, the employer must provide ~~((respirators that comply))~~ each employee an appropriate respirator that complies with the requirements of this subsection. Respirators must be used during:

(i) Periods when an employee's exposure to MC exceeds or can reasonably be expected to exceed the eight-hour TWA PEL or the STEL (for example, when an employee is using MC in a regulated area);

(ii) Periods necessary to install or implement feasible engineering and work-practice controls;

(iii) In a few work operations, such as some maintenance operations and repair activities, for which the employer demonstrates that engineering and work practice controls are infeasible;

(iv) Work operations for which feasible engineering and work practice controls are not sufficient to reduce exposures to or below the PELs;

(v) Emergencies.

(b) Respirator program.

(i) The employer must develop, implement and maintain a respiratory protection program as required by chapter 296-842 WAC, Respirators, which covers each employee required by this chapter to use a respirator, except for the requirements in Table 5 of WAC 296-842-13005 that address gas or vapor cartridge change schedules and end-of-service-life indicators (ESLIs).

(ii) Employers who provide employees with gas masks with organic-vapor canisters for the purpose of emergency escape must replace the canisters after any emergency use and before the gas masks are returned to service.

(c) Respirator selection. The employer must:

(i) Select and provide to employees appropriate respirators according to this section and WAC 296-842-13005, found in the respirator rule.

(ii) Make sure half-facepiece respirators are not selected or used for protection against MC. This is necessary to prevent eye irritation or damage from MC exposure.

(iii) Provide to employees, for emergency escape, one of the following respirator options:

(A) A self-contained breathing apparatus operated in the continuous-flow or pressure demand mode

OR

(B) A gas mask equipped with an organic vapor canister.

(d) Medical evaluation. Before having an employee use a supplied-air respirator in the negative-pressure mode, or a gas mask with an organic-vapor canister for emergency escape, the employer must:

(i) Have a physician or other licensed health care professional (PLHCP) evaluate the employee's ability to use such respiratory protection;

(ii) Ensure that the PLHCP provides their findings in a written opinion to the employee and the employer.

Note: See WAC 296-62-07150 through 296-62-07156 for medical evaluation requirements for employees using respirators.

(8) Protective work clothing and equipment.

(a) Where needed to prevent MC-induced skin or eye irritation, the employer shall provide clean protective clothing and equipment which is resistant to MC, at no cost to the employee, and shall ensure that each affected employee uses it. Eye and face protection shall meet the requirements of WAC 296-800-160, as applicable.

(b) The employer shall clean, launder, repair and replace all protective clothing and equipment required by this subsection as needed to maintain their effectiveness.

(c) The employer shall be responsible for the safe disposal of such clothing and equipment.

(Note to subsection (8)(c) of this section: See Appendix A for examples of disposal procedures that will satisfy this requirement.)

(9) Hygiene facilities.

(a) If it is reasonably foreseeable that employees' skin may contact solutions containing 0.1 percent or greater MC (for example, through splashes, spills or improper work practices), the employer shall provide conveniently located washing facilities capable of removing the MC, and shall ensure that affected employees use these facilities as needed.

(b) If it is reasonably foreseeable that an employee's eyes may contact solutions containing 0.1 percent or greater MC (for example through splashes, spills or improper work practices), the employer shall provide appropriate eyewash facilities within the immediate work area for emergency use, and shall ensure that affected employees use those facilities when necessary.

(10) Medical surveillance.

(a) Affected employees. The employer shall make medical surveillance available for employees who are or may be exposed to MC as follows:

(i) At or above the action level on thirty or more days per year, or above the eight-hour TWA PEL or the STEL on ten or more days per year;

(ii) Above the 8-TWA PEL or STEL for any time period where an employee has been identified by a physician or other licensed health care professional as being at risk from cardiac disease or from some other serious MC-related health condition and such employee requests inclusion in the medical surveillance program;

(iii) During an emergency.

(b) Costs. The employer shall provide all required medical surveillance at no cost to affected employees, without loss of pay and at a reasonable time and place.

(c) Medical personnel. The employer shall ensure that all medical surveillance procedures are performed by a physician or other licensed health care professional, as defined in subsection (2) of this section.

(d) Frequency of medical surveillance. The employer shall make medical surveillance available to each affected employee as follows:

(i) Initial surveillance. The employer shall provide initial medical surveillance under the schedule provided by subsection (14)(b)(iii) of this section, or before the time of initial assignment of the employee, whichever is later. The employer need not provide the initial surveillance if medical records show that an affected employee has been provided with medical surveillance that complies with this section within twelve months before December 1.

(ii) Periodic medical surveillance. The employer shall update the medical and work history for each affected employee annually. The employer shall provide periodic physical examinations, including appropriate laboratory surveillance, as follows:

(A) For employees forty-five years of age or older, within twelve months of the initial surveillance or any subsequent medical surveillance; and

(B) For employees younger than forty-five years of age, within thirty-six months of the initial surveillance or any subsequent medical surveillance.

(iii) Termination of employment or reassignment. When an employee leaves the employer's workplace, or is reassigned to an area where exposure to MC is consistently at or below the action level and STEL, medical surveillance shall be made available if six months or more have elapsed since the last medical surveillance.

(iv) Additional surveillance. The employer shall provide additional medical surveillance at frequencies other than those listed above when recommended in the written medical opinion. (For example, the physician or other licensed health care professional may determine an examination is warranted in less than thirty-six months for employees younger than forty-five years of age based upon evaluation of the results of the annual medical and work history.)

(e) Content of medical surveillance.

(i) Medical and work history. The comprehensive medical and work history shall emphasize neurological symptoms,

skin conditions, history of hematologic or liver disease, signs or symptoms suggestive of heart disease (angina, coronary artery disease), risk factors for cardiac disease, MC exposures, and work practices and personal protective equipment used during such exposures.

(Note to subsection (10)(e)(i) of this section: See Appendix B of this section for an example of a medical and work history format that would satisfy this requirement.)

(ii) Physical examination. Where physical examinations are provided as required above, the physician or other licensed health care professional shall accord particular attention to the lungs, cardiovascular system (including blood pressure and pulse), liver, nervous system, and skin. The physician or other licensed health care professional shall determine the extent and nature of the physical examination based on the health status of the employee and analysis of the medical and work history.

(iii) Laboratory surveillance. The physician or other licensed health care professional shall determine the extent of any required laboratory surveillance based on the employee's observed health status and the medical and work history.

(Note to subsection (10)(e)(iii) of this section: See Appendix B of this section for information regarding medical tests. Laboratory surveillance may include before-and-after-shift carboxyhemoglobin determinations, resting ECG, hematocrit, liver function tests and cholesterol levels.)

(iv) Other information or reports. The medical surveillance shall also include any other information or reports the physician or other licensed health care professional determines are necessary to assess the employee's health in relation to MC exposure.

(f) Content of emergency medical surveillance. The employer shall ensure that medical surveillance made available when an employee has been exposed to MC in emergency situations includes, at a minimum:

(i) Appropriate emergency treatment and decontamination of the exposed employee;

(ii) Comprehensive physical examination with special emphasis on the nervous system, cardiovascular system, lungs, liver and skin, including blood pressure and pulse;

(iii) Updated medical and work history, as appropriate for the medical condition of the employee; and

(iv) Laboratory surveillance, as indicated by the employee's health status.

(Note to subsection (10)(f)(iv) of this section: See Appendix B for examples of tests which may be appropriate.)

(g) Additional examinations and referrals. Where the physician or other licensed health care professional determines it is necessary, the scope of the medical examination shall be expanded and the appropriate additional medical surveillance, such as referrals for consultation or examination, shall be provided.

(h) Information provided to the physician or other licensed health care professional. The employer shall provide the following information to a physician or other licensed health care professional who is involved in the diagnosis of MC-induced health effects:

(i) A copy of this section including its applicable appendices;

(ii) A description of the affected employee's past, current and anticipated future duties as they relate to the employee's MC exposure;

(iii) The employee's former or current exposure levels or, for employees not yet occupationally exposed to MC, the employee's anticipated exposure levels and the frequency and exposure levels anticipated to be associated with emergencies;

(iv) A description of any personal protective equipment, such as respirators, used or to be used; and

(v) Information from previous employment-related medical surveillance of the affected employee which is not otherwise available to the physician or other licensed health care professional.

(i) Written medical opinions.

(i) For each physical examination required by this section, the employer shall ensure that the physician or other licensed health care professional provides to the employer and to the affected employee a written opinion regarding the results of that examination within fifteen days of completion of the evaluation of medical and laboratory findings, but not more than thirty days after the examination. The written medical opinion shall be limited to the following information:

(A) The physician's or other licensed health care professional's opinion concerning whether exposure to MC may contribute to or aggravate the employee's existing cardiac, hepatic, neurological (including stroke) or dermal disease or whether the employee has any other medical condition(s) that would place the employee's health at increased risk of material impairment from exposure to MC;

(B) Any recommended limitations upon the employee's exposure to MC, removal from MC exposure, or upon the employee's use of protective clothing or equipment and respirators;

(C) A statement that the employee has been informed by the physician or other licensed health care professional that MC is a potential occupational carcinogen, of risk factors for heart disease, and the potential for exacerbation of underlying heart disease by exposure to MC through its metabolism to carbon monoxide; and

(D) A statement that the employee has been informed by the physician or other licensed health care professional of the results of the medical examination and any medical conditions resulting from MC exposure which require further explanation or treatment.

(ii) The employer shall instruct the physician or other licensed health care professional not to reveal to the employer, orally or in the written opinion, any specific records, findings, and diagnoses that have no bearing on occupational exposure to MC.

(Note to subsection (10)(h)(ii) of this section: The written medical opinion may also include information and opinions generated to comply with other OSHA health standards.)

(j) Medical presumption. For purposes of this subsection (10), the physician or other licensed health care professional shall presume, unless medical evidence indicates to the contrary, that a medical condition is unlikely to require medical removal from MC exposure if the employee is not exposed to MC above the eight-hour TWA PEL. If the physician or other licensed health care professional recommends removal

for an employee exposed below the eight-hour TWA PEL, the physician or other licensed health care professional shall cite specific medical evidence, sufficient to rebut the presumption that exposure below the eight-hour TWA PEL is unlikely to require removal, to support the recommendation. If such evidence is cited by the physician or other licensed health care professional, the employer must remove the employee. If such evidence is not cited by the physician or other licensed health care professional, the employer is not required to remove the employee.

(k) Medical removal protection (MRP).

(i) Temporary medical removal and return of an employee.

(A) Except as provided in (j) of this subsection, when a medical determination recommends removal because the employee's exposure to MC may contribute to or aggravate the employee's existing cardiac, hepatic, neurological (including stroke), or skin disease, the employer must provide medical removal protection benefits to the employee and either:

(I) Transfer the employee to comparable work where methylene chloride exposure is below the action level; or

(II) Remove the employee from MC exposure.

(B) If comparable work is not available and the employer is able to demonstrate that removal and the costs of extending MRP benefits to an additional employee, considering feasibility in relation to the size of the employer's business and the other requirements of this standard, make further reliance on MRP an inappropriate remedy, the employer may retain the additional employee in the existing job until transfer or removal becomes appropriate, provided:

(I) The employer ensures that the employee receives additional medical surveillance, including a physical examination at least every sixty days until transfer or removal occurs; and

(II) The employer or PLHCP informs the employee of the risk to the employee's health from continued MC exposure.

(C) The employer shall maintain in effect any job-related protective measures or limitations, other than removal, for as long as a medical determination recommends them to be necessary.

(ii) End of MRP benefits and return of the employee to former job status.

(A) The employer may cease providing MRP benefits at the earliest of the following:

(I) Six months;

(II) Return of the employee to the employee's former job status following receipt of a medical determination concluding that the employee's exposure to MC no longer will aggravate any cardiac, hepatic, neurological (including stroke), or dermal disease;

(III) Receipt of a medical determination concluding that the employee can never return to MC exposure.

(B) For the purposes of this subsection (10), the requirement that an employer return an employee to the employee's former job status is not intended to expand upon or restrict any rights an employee has or would have had, absent temporary medical removal, to a specific job classification or position under the terms of a collective bargaining agreement.

(l) Medical removal protection benefits.

(i) For purposes of this subsection (10), the term medical removal protection benefits means that, for each removal, an employer must maintain for up to six months the earnings, seniority, and other employment rights and benefits of the employee as though the employee had not been removed from MC exposure or transferred to a comparable job.

(ii) During the period of time that an employee is removed from exposure to MC, the employer may condition the provision of medical removal protection benefits upon the employee's participation in follow-up medical surveillance made available pursuant to this section.

(iii) If a removed employee files a workers' compensation claim for a MC-related disability, the employer shall continue the MRP benefits required by this section until either the claim is resolved or the six-month period for payment of MRP benefits has passed, whichever occurs first. To the extent the employee is entitled to indemnity payments for earnings lost during the period of removal, the employer's obligation to provide medical removal protection benefits to the employee shall be reduced by the amount of such indemnity payments.

(iv) The employer's obligation to provide medical removal protection benefits to a removed employee shall be reduced to the extent that the employee receives compensation for earnings lost during the period of removal from either a publicly or an employer-funded compensation program, or receives income from employment with another employer made possible by virtue of the employee's removal.

(m) Voluntary removal or restriction of an employee. Where an employer, although not required by this section to do so, removes an employee from exposure to MC or otherwise places any limitation on an employee due to the effects of MC exposure on the employee's medical condition, the employer shall provide medical removal protection benefits to the employee equal to those required by (l) of this subsection.

(n) Multiple health care professional review mechanism.

(i) If the employer selects the initial physician or licensed health care professional (PLHCP) to conduct any medical examination or consultation provided to an employee under (k) of this subsection, the employer shall notify the employee of the right to seek a second medical opinion each time the employer provides the employee with a copy of the written opinion of that PLHCP.

(ii) If the employee does not agree with the opinion of the employer-selected PLHCP, notifies the employer of that fact, and takes steps to make an appointment with a second PLHCP within fifteen days of receiving a copy of the written opinion of the initial PLHCP, the employer shall pay for the PLHCP chosen by the employee to perform at least the following:

(A) Review any findings, determinations or recommendations of the initial PLHCP; and

(B) Conduct such examinations, consultations, and laboratory tests as the PLHCP deems necessary to facilitate this review.

(iii) If the findings, determinations or recommendations of the second PLHCP differ from those of the initial PLHCP,

then the employer and the employee shall instruct the two health care professionals to resolve the disagreement.

(iv) If the two health care professionals are unable to resolve their disagreement within fifteen days, then those two health care professionals shall jointly designate a PLHCP who is a specialist in the field at issue. The employer shall pay for the specialist to perform at least the following:

(A) Review the findings, determinations, and recommendations of the first two PLHCPs; and

(B) Conduct such examinations, consultations, laboratory tests and discussions with the prior PLHCPs as the specialist deems necessary to resolve the disagreements of the prior health care professionals.

(v) The written opinion of the specialist shall be the definitive medical determination. The employer shall act consistent with the definitive medical determination, unless the employer and employee agree that the written opinion of one of the other two PLHCPs shall be the definitive medical determination.

(vi) The employer and the employee or authorized employee representative may agree upon the use of any expeditious alternate health care professional determination mechanism in lieu of the multiple health care professional review mechanism provided by this section so long as the alternate mechanism otherwise satisfies the requirements contained in this section.

(11) Hazard communication. The employer shall communicate the following hazards associated with MC on labels and in material safety data sheets in accordance with the requirements of the chemical hazard communication standard, WAC 296-800-170: Cancer, cardiac effects (including elevation of carboxyhemoglobin), central nervous system effects, liver effects, and skin and eye irritation.

(12) Employee information and training.

(a) The employer shall provide information and training for each affected employee prior to or at the time of initial assignment to a job involving potential exposure to MC.

(b) The employer shall ensure that information and training is presented in a manner that is understandable to the employees.

(c) In addition to the information required under the chemical hazard communication standard at WAC 296-800-170:

(i) The employer shall inform each affected employee of the requirements of this section and information available in its appendices, as well as how to access or obtain a copy of it in the workplace;

(ii) Wherever an employee's exposure to airborne concentrations of MC exceeds or can reasonably be expected to exceed the action level, the employer shall inform each affected employee of the quantity, location, manner of use, release, and storage of MC and the specific operations in the workplace that could result in exposure to MC, particularly noting where exposures may be above the eight-hour TWA PEL or STEL;

(d) The employer shall train each affected employee as required under the chemical hazard communication standard at WAC 296-800-170, as appropriate.

(e) The employer shall retrain each affected employee as necessary to ensure that each employee exposed above the

action level or the STEL maintains the requisite understanding of the principles of safe use and handling of MC in the workplace.

(f) Whenever there are workplace changes, such as modifications of tasks or procedures or the institution of new tasks or procedures, which increase employee exposure, and where those exposures exceed or can reasonably be expected to exceed the action level, the employer shall update the training as necessary to ensure that each affected employee has the requisite proficiency.

(g) An employer whose employees are exposed to MC at a multiemployer worksite shall notify the other employers with work operations at that site in accordance with the requirements of the chemical hazard communication standard, WAC 296-800-170, as appropriate.

(h) The employer shall provide to the director, upon request, all available materials relating to employee information and training.

(13) Recordkeeping.

(a) Objective data.

(i) Where an employer seeks to demonstrate that initial monitoring is unnecessary through reasonable reliance on objective data showing that any materials in the workplace containing MC will not release MC at levels which exceed the action level or the STEL under foreseeable conditions of exposure, the employer shall establish and maintain an accurate record of the objective data relied upon in support of the exemption.

(ii) This record shall include at least the following information:

(A) The MC-containing material in question;

(B) The source of the objective data;

(C) The testing protocol, results of testing, and/or analysis of the material for the release of MC;

(D) A description of the operation exempted under subsection (4)(b)(i) of this section and how the data support the exemption; and

(E) Other data relevant to the operations, materials, processing, or employee exposures covered by the exemption.

(iii) The employer shall maintain this record for the duration of the employer's reliance upon such objective data.

(b) Exposure measurements.

(i) The employer shall establish and keep an accurate record of all measurements taken to monitor employee exposure to MC as prescribed in subsection (4) of this section.

(ii) Where the employer has twenty or more employees, this record shall include at least the following information:

(A) The date of measurement for each sample taken;

(B) The operation involving exposure to MC which is being monitored;

(C) Sampling and analytical methods used and evidence of their accuracy;

(D) Number, duration, and results of samples taken;

(E) Type of personal protective equipment, such as respiratory protective devices, worn, if any; and

(F) Name, Social Security number, job classification and exposure of all of the employees represented by monitoring, indicating which employees were actually monitored.

(iii) Where the employer has fewer than twenty employees, the record shall include at least the following information:

- (A) The date of measurement for each sample taken;
- (B) Number, duration, and results of samples taken; and
- (C) Name, Social Security number, job classification and exposure of all of the employees represented by monitoring, indicating which employees were actually monitored.

(iv) The employer shall maintain this record for at least thirty (30) years, in accordance with chapter 296-802 WAC.

(c) Medical surveillance.

(i) The employer shall establish and maintain an accurate record for each employee subject to medical surveillance under subsection (10) of this section.

(ii) The record shall include at least the following information:

(A) The name, Social Security number and description of the duties of the employee;

(B) Written medical opinions; and

(C) Any employee medical conditions related to exposure to MC.

(iii) The employer shall ensure that this record is maintained for the duration of employment plus thirty years, in accordance with chapter 296-802 WAC.

(d) Availability.

(i) The employer, upon written request, shall make all records required to be maintained by this section available to the director for examination and copying in accordance with chapter 296-802 WAC.

(Note to subsection (13)(d)(i) of this section: All records required to be maintained by this section may be kept in the most administratively convenient form (for example, electronic or computer records would satisfy this requirement).)

(ii) The employer, upon request, shall make any employee exposure and objective data records required by this section available for examination and copying by affected employees, former employees, and designated representatives in accordance with chapter 296-802 WAC.

(iii) The employer, upon request, shall make employee medical records required to be kept by this section available for examination and copying by the subject employee and by anyone having the specific written consent of the subject employee in accordance with chapter 296-802 WAC.

(e) Transfer of records. The employer shall comply with the requirements concerning transfer of records set forth in WAC 296-62-05215.

(14) Dates.

(a) Engineering controls required under subsection (6)(a) of this section shall be implemented according to the following schedule:

(i) For employers with fewer than twenty employees, no later than April 10, 2000.

(ii) For employers with fewer than one hundred fifty employees engaged in foam fabrication; for employers with fewer than fifty employees engaged in furniture refinishing, general aviation aircraft stripping, and product formulation; for employers with fewer than fifty employees using MC-based adhesives for boat building and repair, recreational vehicle manufacture, van conversion, and upholstery; for employers with fewer than fifty employees using MC in construction work for restoration and preservation of buildings, painting and paint removal, cabinet making and/or floor refinishing and resurfacing, no later than April 10, 2000.

(iii) For employers engaged in polyurethane foam manufacturing with twenty or more employees, no later than October 10, 1999.

(b) Use of respiratory protection whenever an employee's exposure to MC exceeds or can reasonably be expected to exceed the eight-hour TWA PEL, in accordance with subsection (3)(a), (5)(c), (6)(a) and (7)(a) of this section, shall be implemented according to the following schedule:

(i) For employers with fewer than one hundred fifty employees engaged in foam fabrication; for employers with fewer than fifty employees engaged in furniture refinishing, general aviation aircraft stripping, and product formulation; for employers with fewer than fifty employees using MC-based adhesives for boat building and repair, recreational vehicle manufacture, van conversion, and upholstery; for employers with fewer than fifty employees using MC in construction work for restoration and preservation of buildings, painting and paint removal, cabinet making and/or floor refinishing and resurfacing, no later than April 10, 2000.

(ii) For employers engaged in polyurethane foam manufacturing with twenty or more employees, no later than October 10, 1999.

(c) Notification of corrective action under subsection (4)(e)(ii) of this section, no later than ninety days before the compliance date applicable to such corrective action.

(d) Transitional dates. The exposure limits for MC specified in WAC 296-62-07515 Table 1, shall remain in effect until the start up dates for the exposure limits specified in subsection (14) of this section, or if the exposure limits in this section are stayed or vacated.

(e) Unless otherwise specified in this subsection (14), all other requirements of this section shall be complied with immediately.

(15) Appendices. The information contained in the appendices does not, by itself, create any additional obligations not otherwise imposed or detract from any existing obligation.

AMENDATORY SECTION (Amending WSR 07-05-072, filed 2/20/07, effective 4/1/07)

WAC 296-62-07521 Lead. (1) Scope and application.

(a) This section applies to all occupational exposure to lead, except as provided in subdivision (1)(b).

(b) This section does not apply to the construction industry or to agricultural operations covered by chapter 296-307 WAC.

(2) Definitions as applicable to this part.

(a) "Action level" - employee exposure, without regard to the use of respirators, to an airborne concentration of lead of thirty micrograms per cubic meter of air (30 µg/m³) averaged over an eight-hour period.

(b) "Director" - the director of the department of labor and industries.

(c) "Lead" - metallic lead, all inorganic lead compounds, and organic lead soaps. Excluded from this definition are all other organic lead compounds.

(3) General requirements.

(a) Employers will assess the hazards of lead in the work place and provide information to the employees about the hazards of the lead exposures to which they may be exposed.

(b) Information provided shall include:

(i) Exposure monitoring (including employee notification);

(ii) Written compliance programs;

(iii) Respiratory protection programs;

(iv) Personnel protective equipment and housekeeping;

(v) Medical surveillance and examinations;

(vi) Training requirements;

(vii) Recordkeeping requirements.

(4) Permissible exposure limit (PEL).

(a) The employer shall assure that no employee is exposed to lead at concentrations greater than fifty micrograms per cubic meter of air ($50 \mu\text{g}/\text{m}^3$) averaged over an eight-hour period.

(b) If an employee is exposed to lead for more than eight hours in any work day, the permissible exposure limit, as a time weighted average (TWA) for that day, shall be reduced according to the following formula:

$$\text{Maximum permissible limit (in } \mu\text{g}/\text{m}^3) = 400 \div \text{hours worked in the day.}$$

(c) When respirators are used to supplement engineering and work practice controls to comply with the PEL and all the requirements of subsection (7) have been met, employee exposure, for the purpose of determining whether the employer has complied with the PEL, may be considered to be at the level provided by the protection factor of the respirator for those periods the respirator is worn. Those periods may be averaged with exposure levels during periods when respirators are not worn to determine the employee's daily TWA exposure.

(5) Exposure monitoring.

(a) General.

(i) For the purposes of subsection (5), employee exposure is that exposure which would occur if the employee were not using a respirator.

(ii) With the exception of monitoring under subdivision (5)(c), the employer shall collect full shift (for at least seven continuous hours) personal samples including at least one sample for each shift for each job classification in each work area.

(iii) Full shift personal samples shall be representative of the monitored employee's regular, daily exposure to lead.

(b) Initial determination. Each employer who has a workplace or work operation covered by this standard shall determine if any employee may be exposed to lead at or above the action level.

(c) Basis of initial determination.

(i) The employer shall monitor employee exposures and shall base initial determinations on the employee exposure monitoring results and any of the following, relevant considerations:

(A) Any information, observations, or calculations which would indicate employee exposure to lead;

(B) Any previous measurements of airborne lead; and

(C) Any employee complaints of symptoms which may be attributable to exposure to lead.

(ii) Monitoring for the initial determination may be limited to a representative sample of the exposed employees who the employer reasonably believes are exposed to the greatest airborne concentrations of lead in the workplace.

(iii) Measurements of airborne lead made in the preceding twelve months may be used to satisfy the requirement to monitor under item (5)(c)(i) if the sampling and analytical methods used meet the accuracy and confidence levels of subdivision (5)(i) of this section.

(d) Positive initial determination and initial monitoring.

(i) Where a determination conducted under subdivision (5)(b) and (5)(c) of this section shows the possibility of any employee exposure at or above the action level, the employer shall conduct monitoring which is representative of the exposure for each employee in the workplace who is exposed to lead.

(ii) Measurements of airborne lead made in the preceding twelve months may be used to satisfy this requirement if the sampling and analytical methods used meet the accuracy and confidence levels of subdivision (5)(i) of this section.

(e) Negative initial determination. Where a determination, conducted under subdivisions (5)(b) and (5)(c) of this section is made that no employee is exposed to airborne concentrations of lead at or above the action level, the employer shall make a written record of such determination. The record shall include at least the information specified in subdivision (5)(c) of this section and shall also include the date of determination, location within the worksite, and the name and Social Security number of each employee monitored.

(f) Frequency.

(i) If the initial monitoring reveals employee exposure to be below the action level the measurements need not be repeated except as otherwise provided in subdivision (5)(g) of this section.

(ii) If the initial determination or subsequent monitoring reveals employee exposure to be at or above the action level but below the permissible exposure limit the employer shall repeat monitoring in accordance with this subsection at least every six months. The employer shall continue monitoring at the required frequency until at least two consecutive measurements, taken at least seven days apart, are below the action level at which time the employer may discontinue monitoring for that employee except as otherwise provided in subdivision (5)(g) of this section.

(iii) If the initial monitoring reveals that employee exposure is above the permissible exposure limit the employer shall repeat monitoring quarterly. The employer shall continue monitoring at the required frequency until at least two consecutive measurements, taken at least seven days apart, are below the PEL but at or above the action level at which time the employer shall repeat monitoring for that employee at the frequency specified in item (5)(f)(ii), except as otherwise provided in subdivision (5)(g) of this section.

(g) Additional monitoring. Whenever there has been a production, process, control or personnel change which may result in new or additional exposure to lead, or whenever the employer has any other reason to suspect a change which may result in new or additional exposures to lead, additional

monitoring in accordance with this subsection shall be conducted.

(h) Employee notification.

(i) Within five working days after the receipt of monitoring results, the employer shall notify each employee in writing of the results which represent that employee's exposure.

(ii) Whenever the results indicate that the representative employee exposure, without regard to respirators, exceeds the permissible exposure limit, the employer shall include in the written notice a statement that the permissible exposure limit was exceeded and a description of the corrective action taken or to be taken to reduce exposure to or below the permissible exposure limit.

(i) Accuracy of measurement. The employer shall use a method of monitoring and analysis which has an accuracy (to a confidence level of ninety-five percent) of not less than plus or minus twenty percent for airborne concentrations of lead equal to or greater than 30 µg/m³.

(6) Methods of compliance.

(a) Engineering and work practice controls.

(i) Where any employee is exposed to lead above the permissible exposure limit for more than thirty days per year, the employer shall implement engineering and work practice controls (including administrative controls) to reduce and maintain employee exposure to lead in accordance with the implementation schedule in Table I below, except to the extent that the employer can demonstrate that such controls are not feasible. Wherever the engineering and work practice controls which can be instituted are not sufficient to reduce employee exposure to or below the permissible exposure limit, the employer shall nonetheless use them to reduce exposures to the lowest feasible level and shall supplement them by the use of respiratory protection which complies with the requirements of subsection (7) of this section.

(ii) Where any employee is exposed to lead above the permissible exposure limit, but for thirty days or less per year, the employer shall implement engineering controls to reduce exposures to 200 µg/m³, but thereafter may implement any combination of engineering, work practice (including administrative controls), and respiratory controls to reduce and maintain employee exposure to lead to or below 50 µg/m³.

TABLE I

Industry	Compliance dates: ¹ (50 µg/m ³)
Lead chemicals, secondary copper smelting.	July 19, 1996
Nonferrous foundries	July 19, 1996. ²
Brass and bronze ingot manufacture.	6 years. ³

¹ Calculated by counting from the date the stay on implementation of subsection (6)(a) was lifted by the U.S. Court of Appeals for the District of Columbia, the number of years specified in the 1978 lead standard and subsequent amendments for compliance with the PEL of 50 µg/m³ for exposure to airborne concentrations of lead levels for the particular industry.

² Large nonferrous foundries (20 or more employees) are required to achieve the PEL of 50 µg/m³ by means of engineering and work practice controls. Small nonferrous foundries (fewer than

20 employees) are required to achieve an 8-hour TWA of 75 µg/m³ by such controls.

³ Expressed as the number of years from the date on which the Court lifts the stay on the implementation of subsection (6)(a) for this industry for employers to achieve a lead in air concentration of 75 µg/m³. Compliance with subsection (6) in this industry is determined by a compliance directive that incorporates elements from the settlement agreement between OSHA and representatives of the industry.

(b) Respiratory protection. Where engineering and work practice controls do not reduce employee exposure to or below the 50 µg/m³ permissible exposure limit, the employer shall supplement these controls with respirators in accordance with subsection (7).

(c) Compliance program.

(i) Each employer shall establish and implement a written compliance program to reduce exposures to or below the permissible exposure limit, and interim levels if applicable, solely by means of engineering and work practice controls in accordance with the implementation schedule in subdivision (6)(a).

(ii) Written plans for these compliance programs shall include at least the following:

(A) A description of each operation in which lead is emitted; e.g., machinery used, material processed, controls in place, crew size, employee job responsibilities, operating procedures and maintenance practices;

(B) A description of the specific means that will be employed to achieve compliance, including engineering plans and studies used to determine methods selected for controlling exposure to lead;

(C) A report of the technology considered in meeting the permissible exposure limit;

(D) Air monitoring data which documents the source of lead emissions;

(E) A detailed schedule for implementation of the program, including documentation such as copies of purchase orders for equipment, construction contracts, etc.;

(F) A work practice program which includes items required under subsections (8), (9) and (10) of this regulation;

(G) An administrative control schedule required by subdivision (6)(f), if applicable; and

(H) Other relevant information.

(ii) Written programs shall be submitted upon request to the director, and shall be available at the worksite for examination and copying by the director, any affected employee or authorized employee representatives.

(iv) Written programs shall be revised and updated at least every six months to reflect the current status of the program.

(d) Mechanical ventilation.

(i) When ventilation is used to control exposure, measurements which demonstrate the effectiveness of the system in controlling exposure, such as capture velocity, duct velocity, or static pressure shall be made at least every three months. Measurements of the system's effectiveness in controlling exposure shall be made within five days of any change in production, process, or control which might result in a change in employee exposure to lead.

(ii) Recirculation of air. If air from exhaust ventilation is recirculated into the workplace, the employer shall assure

that (A) the system has a high efficiency filter with reliable back-up filter; and (B) controls to monitor the concentration of lead in the return air and to bypass the recirculation system automatically if it fails are installed, operating, and maintained.

(e) Administrative controls. If administrative controls are used as a means of reducing employees TWA exposure to lead, the employer shall establish and implement a job rotation schedule which includes:

(i) Name or identification number of each affected employee;

(ii) Duration and exposure levels at each job or work station where each affected employee is located; and

(iii) Any other information which may be useful in assessing the reliability of administrative controls to reduce exposure to lead.

(7) Respiratory protection.

(a) General. For employees who use respirators required by this section, the employer must provide each employee an appropriate respirator(s) that ((empty)) complies with the requirements of this subsection. Respirators must be used during:

(i) Period necessary to install or implement engineering or work-practice controls;

(ii) Work operations for which engineering and work-practice controls are not sufficient to reduce exposures to or below the permissible exposure limit;

(iii) Periods when an employee requests a respirator.

(b) Respirator program.

(i) The employer must develop, implement and maintain a respiratory protection program as required by chapter 296-842 WAC, Respirators, which covers each employee required by this chapter to use a respirator.

(ii) If an employee has breathing difficulty during fit testing or respirator use, the employer must provide the employee with a medical examination as required by subsection (11)(c)(ii)(C) of this section to determine whether or not the employee can use a respirator while performing the required duty.

(c) Respirator selection. The employer must:

(i) Select and provide to employees appropriate respirators according to this section and WAC 296-842-13005, found in the respirator rule.

(ii) Provide employees with a powered air-purifying respirator (PAPR) instead of a negative-pressure respirator selected when an employee chooses to use a PAPR and it provides adequate protection to the employee.

(iii) Provide employees with full-facepiece respirators instead of half-facepiece respirators for protection against lead aerosols that cause eye or skin irritation at the use concentration.

(iv) Provide HEPA filters or N-, R-, or P-100 filters for powered air-purifying respirators (PAPRs) and negative-pressure air-purifying respirators.

(8) Protective work clothing and equipment.

(a) Provision and use. If an employee is exposed to lead above the PEL, without regard to the use of respirators or where the possibility of skin or eye irritation exists, the employer shall provide at no cost to the employee and assure

that the employee uses appropriate protective work clothing and equipment such as, but not limited to:

(i) Coveralls or similar full-body work clothing;

(ii) Gloves, hats, and shoes or disposable shoe coverlets; and

(iii) Face shields, vented goggles, or other appropriate protective equipment which complies with WAC 296-800-160.

(b) Cleaning and replacement.

(i) The employer shall provide the protective clothing required in subdivision (8)(a) of this section in a clean and dry condition at least weekly, and daily to employees whose exposure levels without regard to a respirator are over 200 µg/m³ of lead as an eight-hour TWA.

(ii) The employer shall provide for the cleaning, laundering, or disposal of protective clothing and equipment required by subdivision (8)(a) of this section.

(iii) The employer shall repair or replace required protective clothing and equipment as needed to maintain their effectiveness.

(iv) The employer shall assure that all protective clothing is removed at the completion of a work shift only in change rooms provided for that purpose as prescribed in subdivision (10)(b) of this section.

(v) The employer shall assure that contaminated protective clothing which is to be cleaned, laundered, or disposed of, is placed in a closed container in the change-room which prevents dispersion of lead outside the container.

(vi) The employer shall inform in writing any person who cleans or launders protective clothing or equipment of the potentially harmful effects of exposure to lead.

(vii) The employer shall assure that the containers of contaminated protective clothing and equipment required by subdivision (8)(b)(v) are labeled as follows:

CAUTION: CLOTHING CONTAMINATED WITH LEAD.
DO NOT REMOVE DUST BY BLOWING OR SHAKING.
DISPOSE OF LEAD CONTAMINATED WASH WATER IN ACCORDANCE WITH APPLICABLE LOCAL, STATE, OR FEDERAL REGULATIONS.

(viii) The employer shall prohibit the removal of lead from protective clothing or equipment by blowing, shaking, or any other means which disperses lead into the air.

(9) Housekeeping.

(a) Surfaces. All surfaces shall be maintained as free as practicable of accumulations of lead.

(b) Cleaning floors.

(i) Floors and other surfaces where lead accumulates may not be cleaned by the use of compressed air.

(ii) Shoveling, dry or wet sweeping, and brushing may be used only where vacuuming or other equally effective methods have been tried and found not to be effective.

(c) Vacuuming. Where vacuuming methods are selected, the vacuums shall be used and emptied in a manner which minimizes the reentry of lead into the workplace.

(10) Hygiene facilities and practices.

(a) The employer shall assure that in areas where employees are exposed to lead above the PEL, without regard to the use of respirators, food or beverage is not present or consumed, tobacco products are not present or used, and cos-

metics are not applied, except in change rooms, lunchrooms, and showers required under subdivision (10)(b) through (10)(d) of this section.

(b) Change rooms.

(i) The employer shall provide clean change rooms for employees who work in areas where their airborne exposure to lead is above the PEL, without regard to the use of respirators.

(ii) The employer shall assure that change rooms are equipped with separate storage facilities for protective work clothing and equipment and for street clothes which prevent cross-contamination.

(c) Showers.

(i) The employer shall assure that employees who work in areas where their airborne exposure to lead is above the PEL, without regard to the use of respirators, shower at the end of the work shift.

(ii) The employer shall provide shower facilities in accordance with WAC 296-800-230.

(iii) The employer shall assure that employees who are required to shower pursuant to item (10)(c)(i) do not leave the workplace wearing any clothing or equipment worn during the work shift.

(d) Lunchrooms.

(i) The employer shall provide lunchroom facilities for employees who work in areas where their airborne exposure to lead is above the PEL, without regard to the use of respirators.

(ii) The employer shall assure that lunchroom facilities have a temperature controlled, positive pressure, filtered air supply, and are readily accessible to employees.

(iii) The employer shall assure that employees who work in areas where their airborne exposure to lead is above the PEL without regard to the use of a respirator wash their hands and face prior to eating, drinking, smoking or applying cosmetics.

(iv) The employer shall assure that employees do not enter lunchroom facilities with protective work clothing or equipment unless surface lead dust has been removed by vacuuming, downdraft booth, or other cleaning method.

(e) Lavatories. The employer shall provide an adequate number of lavatory facilities which comply with WAC 296-800-230.

(11) Medical surveillance.

(a) General.

(i) The employer shall institute a medical surveillance program for all employees who are or may be exposed above the action level for more than thirty days per year.

(ii) The employer shall assure that all medical examinations and procedures are performed by or under the supervision of a licensed physician.

(iii) The employer shall provide the required medical surveillance including multiple physician review under item (11)(c)(iii) without cost to employees and at a reasonable time and place.

(b) Biological monitoring.

(i) Blood lead and ZPP level sampling and analysis. The employer shall make available biological monitoring in the form of blood sampling and analysis for lead and zinc proto-

porphyrin levels to each employee covered under item (11)(a)(i) of this section on the following schedule:

(A) At least every six months to each employee covered under item (11)(a)(i) of this section;

(B) At least every two months for each employee whose last blood sampling and analysis indicated a blood lead level at or above 40 $\mu\text{g}/100\text{ g}$ of whole blood. This frequency shall continue until two consecutive blood samples and analyses indicate a blood lead level below 40 $\mu\text{g}/100\text{ g}$ of whole blood; and

(C) At least monthly during the removal period of each employee removed from exposure to lead due to an elevated blood lead level.

(ii) Follow-up blood sampling tests. Whenever the results of a blood lead level test indicate that an employee's blood lead level exceeds the numerical criterion for medical removal under item (12)(a)(i)(A), the employer shall provide a second (follow-up) blood sampling test within two weeks after the employer receives the results of the first blood sampling test.

(iii) Accuracy of blood lead level sampling and analysis. Blood lead level sampling and analysis provided pursuant to this section shall have an accuracy (to a confidence level of ninety-five percent) within plus or minus fifteen percent or 6 $\mu\text{g}/100\text{ ml}$, whichever is greater, and shall be conducted by a laboratory licensed by the Center for Disease Control (CDC), United States Department of Health, Education and Welfare or which has received a satisfactory grade in blood lead proficiency testing from CDC in the prior twelve months.

(iv) Employee notification. Within five working days after the receipt of biological monitoring results, the employer shall notify in writing each employee whose blood lead level exceeds 40 $\mu\text{g}/100\text{ g}$: (A) of that employee's blood lead level and (B) that the standard requires temporary medical removal with medical removal protection benefits when an employee's blood lead level exceeds the numerical criterion for medical removal under item (12)(a)(i) of this section.

(c) Medical examinations and consultations.

(i) Frequency. The employer shall make available medical examinations and consultations to each employee covered under item (11)(a)(i) of this section on the following schedule:

(A) At least annually for each employee for whom a blood sampling test conducted at any time during the preceding twelve months indicated a blood lead level at or above 40 $\mu\text{g}/100\text{ g}$;

(B) Prior to assignment for each employee being assigned for the first time to an area in which airborne concentrations of lead are at or above the action level;

(C) As soon as possible, upon notification by an employee either that the employee has developed signs or symptoms commonly associated with lead intoxication, that the employee desires medical advice concerning the effects of current or past exposure to lead on the employee's ability to procreate a healthy child, or that the employee has demonstrated difficulty in breathing during a respirator fitting test or during use; and

(D) As medically appropriate for each employee either removed from exposure to lead due to a risk of sustaining

material impairment to health, or otherwise limited pursuant to a final medical determination.

(ii) Content. Medical examinations made available pursuant to subitems (11)(c)(i)(A) through (B) of this section shall include the following elements:

(A) A detailed work history and a medical history, with particular attention to past lead exposure (occupational and nonoccupational), personal habits (smoking, hygiene), and past gastrointestinal, hematologic, renal, cardiovascular, reproductive and neurological problems;

(B) A thorough physical examination, with particular attention to teeth, gums, hematologic, gastrointestinal, renal, cardiovascular, and neurological systems. Pulmonary status should be evaluated if respiratory protection will be used;

(C) A blood pressure measurement;

(D) A blood sample and analysis which determines:

(I) Blood lead level;

(II) Hemoglobin and hematocrit determinations, red cell indices, and examination of peripheral smear morphology;

(III) Zinc protoporphyrin;

(IV) Blood urea nitrogen; and

(V) Serum creatinine;

(E) A routine urinalysis with microscopic examination; and

(F) Any laboratory or other test which the examining physician deems necessary by sound medical practice.

The content of medical examinations made available pursuant to subitems (11)(c)(i)(C) through (D) of this section shall be determined by an examining physician and, if requested by an employee, shall include pregnancy testing or laboratory evaluation of male fertility.

(iii) Multiple physician review mechanism.

(A) If the employer selects the initial physician who conducts any medical examination or consultation provided to an employee under this section, the employee may designate a second physician:

(I) To review any findings, determinations or recommendations of the initial physician; and

(II) To conduct such examinations, consultations, and laboratory tests as the second physician deems necessary to facilitate this review.

(B) The employer shall promptly notify an employee of the right to seek a second medical opinion after each occasion that an initial physician conducts a medical examination or consultation pursuant to this section. The employer may condition its participation in, and payment for, the multiple physician review mechanism upon the employee doing the following within fifteen days after receipt of the foregoing notification, or receipt of the initial physician's written opinion, whichever is later:

(I) The employee informing the employer that he or she intends to seek a second medical opinion, and

(II) The employee initiating steps to make an appointment with a second physician.

(C) If the findings, determinations or recommendations of the second physician differ from those of the initial physician, then the employer and the employee shall assure that efforts are made for the two physicians to resolve any disagreement.

(D) If the two physicians have been unable to quickly resolve their disagreement, then the employer and the employee through their respective physicians shall designate a third physician:

(I) To review any findings, determinations or recommendations of the prior physicians; and

(II) To conduct such examinations, consultations, laboratory tests and discussions with the prior physicians as the third physician deems necessary to resolve the disagreement of the prior physicians.

(E) The employer shall act consistent with the findings, determinations and recommendations of the third physician, unless the employer and the employee reach an agreement which is otherwise consistent with the recommendations of at least one of the three physicians.

(iv) Information provided to examining and consulting physicians.

(A) The employer shall provide an initial physician conducting a medical examination or consultation under this section with the following information:

(I) A copy of this regulation for lead including all appendices;

(II) A description of the affected employee's duties as they relate to the employee's exposure;

(III) The employee's exposure level or anticipated exposure level to lead and to any other toxic substance (if applicable);

(IV) A description of any personal protective equipment used or to be used;

(V) Prior blood lead determinations; and

(VI) All prior written medical opinions concerning the employee in the employer's possession or control.

(B) The employer shall provide the foregoing information to a second or third physician conducting a medical examination or consultation under this section upon request either by the second or third physician, or by the employee.

(v) Written medical opinions.

(A) The employer shall obtain and furnish the employee with a copy of a written medical opinion from each examining or consulting physician which contains the following information:

(I) The physician's opinion as to whether the employee has any detected medical condition which would place the employee at increased risk of material impairment of the employee's health from exposure to lead;

(II) Any recommended special protective measures to be provided to the employee, or limitations to be placed upon the employee's exposure to lead;

(III) Any recommended limitation upon the employee's use of respirators, including a determination of whether the employee can wear a powered air purifying respirator if a physician determines that the employee cannot wear a negative pressure respirator; and

(IV) The results of the blood lead determinations.

(B) The employer shall instruct each examining and consulting physician to:

(I) Not reveal either in the written opinion, or in any other means of communication with the employer, findings, including laboratory results, or diagnoses unrelated to an employee's occupational exposure to lead; and

(II) Advise the employee of any medical condition, occupational or nonoccupational, which dictates further medical examination or treatment.

(vi) Alternate physician determination mechanisms. The employer and an employee or authorized employee representative may agree upon the use of any expeditious alternate physician determination mechanism in lieu of the multiple physician review mechanism provided by this subsection so long as the alternate mechanism otherwise satisfies the requirements contained in this subsection.

(d) Chelation.

(i) The employer shall assure that any person whom he retains, employs, supervises or controls does not engage in prophylactic chelation of any employee at any time.

(ii) If therapeutic or diagnostic chelation is to be performed by any person in item (11)(d)(i), the employer shall assure that it be done under the supervision of a licensed physician in a clinical setting with thorough and appropriate medical monitoring and that the employee is notified in writing prior to its occurrence.

(12) Medical removal protection.

(a) Temporary medical removal and return of an employee.

(i) Temporary removal due to elevated blood lead levels.

(A) The employer shall remove an employee from work having an exposure to lead at or above the action level on each occasion that a periodic and a follow-up blood sampling test conducted pursuant to this section indicate that the employee's blood lead level is at or above 60 $\mu\text{g}/100\text{g}$ of whole blood; and

(B) The employer shall remove an employee from work having an exposure to lead at or above the action level on each occasion that the average of the last three blood sampling tests conducted pursuant to this section (or the average of all blood sampling tests conducted over the previous six months, whichever is longer) indicates that the employee's blood lead level is at or above 50 $\mu\text{g}/100\text{g}$ of whole blood; provided, however, that an employee need not be removed if the last blood sampling test indicates a blood lead level at or below 40 $\mu\text{g}/100\text{g}$ of whole blood.

(ii) Temporary removal due to a final medical determination.

(A) The employer shall remove an employee from work having an exposure to lead at or above the action level on each occasion that a final medical determination results in a medical finding, determination, or opinion that the employee has a detected medical condition which places the employee at increased risk of material impairment to health from exposure to lead.

(B) For the purposes of this section, the phrase "final medical determination" shall mean the outcome of the multiple physician review mechanism or alternate medical determination mechanism used pursuant to the medical surveillance provisions of this section.

(C) Where a final medical determination results in any recommended special protective measures for an employee, or limitations on an employee's exposure to lead, the employer shall implement and act consistent with the recommendation.

(iii) Return of the employee to former job status.

(A) The employer shall return an employee to his or her former job status:

(I) For an employee removed due to a blood lead level at or above 60 $\mu\text{g}/100\text{g}$, or due to an average blood lead level at or above 50 $\mu\text{g}/100\text{g}$, when two consecutive blood sampling tests indicate that the employee's blood lead level is at or below 40 $\mu\text{g}/100\text{g}$ of whole blood;

(II) For an employee removed due to a final medical determination, when a subsequent final medical determination results in a medical finding, determination, or opinion that the employee no longer has a detected medical condition which places the employee at increased risk of material impairment to health from exposure to lead.

(B) For the purposes of this section, the requirement that an employer return an employee to his or her former job status is not intended to expand upon or restrict any rights an employee has or would have had, absent temporary medical removal, to a specific job classification or position under the terms of a collective bargaining agreement.

(iv) Removal of other employee special protective measure or limitations. The employer shall remove any limitations placed on an employee or end any special protective measures provided to an employee pursuant to a final medical determination when a subsequent final medical determination indicates that the limitations or special protective measures are no longer necessary.

(v) Employer options pending a final medical determination. Where the multiple physician review mechanism, or alternate medical determination mechanism used pursuant to the medical surveillance provisions of this section, has not yet resulted in a final medical determination with respect to an employee, the employer shall act as follows:

(A) Removal. The employer may remove the employee from exposure to lead, provide special protective measures to the employee, or place limitations upon the employee, consistent with the medical findings, determinations, or recommendations of any of the physicians who have reviewed the employee's health status.

(B) Return. The employer may return the employee to his or her former job status, end any special protective measures provided to the employee, and remove any limitations placed upon the employee, consistent with the medical findings, determinations, or recommendations of any of the physicians who have reviewed the employee's health status, with two exceptions. If:

(I) The initial removal, special protection, or limitation of the employee resulted from a final medical determination which differed from the findings, determinations, or recommendations of the initial physician; or

(II) The employee has been on removal status for the preceding eighteen months due to an elevated blood lead level, then the employer shall await a final medical determination.

(b) Medical removal protection benefits.

(i) Provision of medical removal protection benefits. The employer shall provide to an employee up to eighteen months of medical removal protection benefits on each occasion that an employee is removed from exposure to lead or otherwise limited pursuant to this section.

(ii) Definition of medical removal protection benefits. For the purposes of this section, the requirement that an employer provide medical removal protection benefits means that the employer shall maintain the earnings, seniority and other employment rights and benefits of an employee as though the employee had not been removed from normal exposure to lead or otherwise limited.

(iii) Follow-up medical surveillance during the period of employee removal or limitation. During the period of time that an employee is removed from normal exposure to lead or otherwise limited, the employer may condition the provision of medical removal protection benefits upon the employee's participation in follow-up medical surveillance made available pursuant to this section.

(iv) Workers' compensation claims. If a removed employee files a claim for workers' compensation payments for a lead-related disability, then the employer shall continue to provide medical removal protection benefits pending disposition of the claim. To the extent that an award is made to the employee for earnings lost during the period of removal, the employer's medical removal protection obligation shall be reduced by such amount. The employer shall receive no credit for workers' compensation payments received by the employee for treatment related expenses.

(v) Other credits. The employer's obligation to provide medical removal protection benefits to a removed employee shall be reduced to the extent that the employee receives compensation for earnings lost during the period of removal either from a publicly or employer-funded compensation program, or receives income from employment with another employer made possible by virtue of the employee's removal.

(vi) Employees whose blood lead levels do not adequately decline within eighteen months of removal. The employer shall take the following measures with respect to any employee removed from exposure to lead due to an elevated blood lead level whose blood lead level has not declined within the past eighteen months of removal so that the employee has been returned to his or her former job status:

(A) The employer shall make available to the employee a medical examination pursuant to this section to obtain a final medical determination with respect to the employee;

(B) The employer shall assure that the final medical determination obtained indicates whether or not the employee may be returned to his or her former job status, and if not, what steps should be taken to protect the employee's health;

(C) Where the final medical determination has not yet been obtained, or once obtained indicates that the employee may not yet be returned to his or her former job status, the employer shall continue to provide medical removal protection benefits to the employee until either the employee is returned to former job status, or a final medical determination is made that the employee is incapable of ever safely returning to his or her former job status.

(D) Where the employer acts pursuant to a final medical determination which permits the return of the employee to his or her former job status despite what would otherwise be an unacceptable blood lead level, later questions concerning removing the employee again shall be decided by a final

medical determination. The employer need not automatically remove such an employee pursuant to the blood lead level removal criteria provided by this section.

(vii) Voluntary removal or restriction of an employee. Where an employer, although not required by this section to do so, removes an employee from exposure to lead or otherwise places limitations on an employee due to the effects of lead exposure on the employee's medical condition, the employer shall provide medical removal protection benefits to the employee equal to that required by item (12)(b)(i) of this section.

(13) Employee information and training.

(a) Training program.

(i) Each employer who has a workplace in which there is a potential exposure to airborne lead at any level shall inform employees of the content of Appendices A and B of this regulation.

(ii) The employer shall train each employee who is subject to exposure to lead at or above the action level or for whom the possibility of skin or eye irritation exists, in accordance with the requirements of this section. The employer shall institute a training program for and assure the participation of all employees (~~who are subject to exposure to lead at or above the action level or for whom the possibility of skin or eye irritation exists~~).

(iii) The employer shall provide initial training by one hundred eighty days from the effective date for those employees covered by item (13)(a)(ii) on the standard's effective date and prior to the time of initial job assignment for those employees subsequently covered by this subsection.

(iv) The training program shall be repeated at least annually for each employee.

(v) The employer shall assure that each employee is informed of the following:

(A) The content of this standard and its appendices;

(B) The specific nature of the operations which could result in exposure to lead above the action level;

(C) The purpose, proper use, limitations, and other training requirements for respiratory protection as required by chapter 296-62 WAC, Part E;

(D) The purpose and a description of the medical surveillance program, and the medical removal protection program including information concerning the adverse health effects associated with excessive exposure to lead (with particular attention to the adverse reproductive effects on both males and females);

(E) The engineering controls and work practices associated with the employee's job assignment;

(F) The contents of any compliance plan in effect; and

(G) Instructions to employees that chelating agents should not routinely be used to remove lead from their bodies and should not be used at all except under the direction of a licensed physician.

(b) Access to information and training materials.

(i) The employer shall make readily available to all affected employees a copy of this standard and its appendices.

(ii) The employer shall provide, upon request, all materials relating to the employee information and training program to the director.

(iii) In addition to the information required by item (13)(a)(v), the employer shall include as part of the training program, and shall distribute to employees, any materials pertaining to the Occupational Safety and Health Act, the regulations issued pursuant to the act, and this lead standard, which are made available to the employer by the director.

(14) Signs.

(a) General.

(i) The employer may use signs required by other statutes, regulations or ordinances in addition to, or in combination with, signs required by this subsection.

(ii) The employer shall assure that no statement appears on or near any sign required by this subsection which contradicts or detracts from the meaning of the required sign.

(b) Signs.

(i) The employer shall post the following warning signs in each work area where the PEL is exceeded:

WARNING
LEAD WORK AREA
POISON
NO SMOKING OR EATING

(ii) The employer shall assure that signs required by this subsection are illuminated and cleaned as necessary so that the legend is readily visible.

(15) Recordkeeping.

(a) Exposure monitoring.

(i) The employer shall establish and maintain an accurate record of all monitoring required in subsection (5) of this section.

(ii) This record shall include:

(A) The date(s), number, duration, location and results of each of the samples taken, including a description of the sampling procedure used to determine representative employee exposure where applicable;

(B) A description of the sampling and analytical methods used and evidence of their accuracy;

(C) The type of respiratory protective devices worn, if any;

(D) Name, Social Security number, and job classification of the employee monitored and of all other employees whose exposure the measurement is intended to represent; and

(E) The environmental variables that could affect the measurement of employee exposure.

(iii) The employer shall maintain these monitoring records for at least forty years or for the duration of employment plus twenty years, whichever is longer.

(b) Medical surveillance.

(i) The employer shall establish and maintain an accurate record for each employee subject to medical surveillance as required by subsection (11) of this section.

(ii) This record shall include:

(A) The name, Social Security number, and description of the duties of the employee;

(B) A copy of the physician's written opinions;

(C) Results of any airborne exposure monitoring done for that employee and the representative exposure levels supplied to the physician; and

(D) Any employee medical complaints related to exposure to lead.

(ii) The employer shall keep, or assure that the examining physician keeps, the following medical records:

(A) A copy of the medical examination results including medical and work history required under subsection (11) of this section;

(B) A description of the laboratory procedures and a copy of any standards or guidelines used to interpret the test results or references to that information; and

(C) A copy of the results of biological monitoring.

(iv) The employer shall maintain or assure that the physician maintains those medical records for at least forty years, or for the duration of employment plus twenty years, whichever is longer.

(c) Medical removals.

(i) The employer shall establish and maintain an accurate record for each employee removed from current exposure to lead pursuant to subsection (12) of this section.

(ii) Each record shall include:

(A) The name and Social Security number of the employee;

(B) The date on each occasion that the employee was removed from current exposure to lead as well as the corresponding date on which the employee was returned to his or her former job status;

(C) A brief explanation of how each removal was or is being accomplished; and

(D) A statement with respect to each removal indicating whether or not the reason for the removal was an elevated blood lead level.

(ii) The employer shall maintain each medical removal record for at least the duration of an employee's employment.

(d) Availability.

(i) The employer shall make available upon request all records required to be maintained by subsection (15) of this section to the director for examination and copying.

(ii) Environmental monitoring, medical removal, and medical records required by this subsection shall be provided upon request to employees, designated representatives, and the assistant director in accordance with chapter 296-802 WAC. Medical removal records shall be provided in the same manner as environmental monitoring records.

(iii) Upon request, the employer shall make an employee's medical records required to be maintained by this section available to the affected employee or former employee or to a physician or other individual designated by such affected employee or former employees for examination and copying.

(e) Transfer of records.

(i) Whenever the employer ceases to do business, the successor employer shall receive and retain all records required to be maintained by subsection (15) of this section.

(ii) Whenever the employer ceases to do business and there is no successor employer to receive and retain the records required to be maintained by this section for the prescribed period, these records shall be transmitted to the director.

(iii) At the expiration of the retention period for the records required to be maintained by this section, the

employer shall notify the director at least three months prior to the disposal of such records and shall transmit those records to the director if requested within the period.

(iv) The employer shall also comply with any additional requirements involving transfer of records set forth in chapter 296-802 WAC.

(16) Observation of monitoring.

(a) Employee observation. The employer shall provide affected employees or their designated representatives an opportunity to observe any monitoring of employee exposure to lead conducted pursuant to subsection (5) of this section.

(b) Observation procedures.

(i) Whenever observation of the monitoring of employee exposure to lead requires entry into an area where the use of respirators, protective clothing or equipment is required, the employer shall provide the observer with and assure the use of such respirators, clothing and such equipment, and shall require the observer to comply with all other applicable safety and health procedures.

(ii) Without interfering with the monitoring, observers shall be entitled to:

(A) Receive an explanation of the measurement procedures;

(B) Observe all steps related to the monitoring of lead performed at the place of exposure; and

(C) Record the results obtained or receive copies of the results when returned by the laboratory.

(17) Appendices. The information contained in the appendices to this section is not intended by itself, to create any additional obligations not otherwise imposed by this standard nor detract from any existing obligation.

(a) Appendix A. Substance Data Sheet for Occupational Exposure to Lead.

(i) Substance identification.

(A) Substance. Pure lead (Pb) is a heavy metal at room temperature and pressure and is a basic chemical element. It can combine with various other substances to form numerous lead compounds.

(B) Compounds covered by the standard. The word "lead" when used in this standard means elemental lead, all inorganic lead compounds (except those which are not biologically available due to either solubility or specific chemical interaction), and a class of organic lead compounds called lead soaps. This standard does not apply to other organic lead compounds.

(C) Uses. Exposure to lead occurs in at least one hundred twenty different occupations, including primary and secondary lead smelting, lead storage battery manufacturing, lead pigment manufacturing and use, solder manufacturing and use, shipbuilding and ship repairing, auto manufacturing, and printing.

(D) Permissible exposure. The Permissible Exposure Limit (PEL) set by the standard is 50 micrograms of lead per cubic meter of air ($50 \mu\text{g}/\text{m}^3$), averaged over an eight-hour work day.

(E) Action level. The standard establishes an action level of 30 micrograms per cubic meter of air ($30 \mu\text{g}/\text{m}^3$) time weighted average, based on an eight-hour work day. The action level initiates several requirements of the standard,

such as exposure monitoring, medical surveillance, and training and education.

(ii) Health hazard data.

(A) Ways in which lead enters your body.

(I) When absorbed into your body in certain doses lead is a toxic substance. The object of the lead standard is to prevent absorption of harmful quantities of lead. The standard is intended to protect you not only from the immediate toxic effects of lead, but also from the serious toxic effects that may not become apparent until years of exposure have passed.

(II) Lead can be absorbed into your body by inhalation (breathing) and ingestion (eating). Lead (except for certain organic lead compounds not covered by the standard, such as tetraethyl lead) is not absorbed through your skin. When lead is scattered in the air as a dust, fume or mist, it can be inhaled and absorbed through your lungs and upper respiratory tract. Inhalation of airborne lead is generally the most important source of occupational lead absorption. You can also absorb lead through your digestive system if lead gets into your mouth and is swallowed. If you handle food, cigarettes, chewing tobacco, or make-up which have lead on them or handle them with hands contaminated with lead, this will contribute to ingestion.

(III) A significant portion of the lead that you inhale or ingest gets into your blood stream. Once in your blood stream lead is circulated throughout your body and stored in various organs and body tissues. Some of this lead is quickly filtered out of your body and excreted, but some remains in your blood and other tissue. As exposure to lead continues, the amount stored in your body will increase if you are absorbing more lead than your body is excreting. Even though you may not be aware of any immediate symptoms of disease, this lead stored in your tissues can be slowly causing irreversible damage, first to individual cells, then to your organs and whole body systems.

(B) Effects of overexposure to lead.

(I) Short-term (acute) overexposure. Lead is a potent, systemic poison that serves no known useful function once absorbed by your body. Taken in large enough doses, lead can kill you in a matter of days. A condition affecting the brain called acute encephalopathy may arise which develops quickly to seizures, coma, and death from cardiorespiratory arrest. A short-term dose of lead can lead to acute encephalopathy. Short-term occupational exposures of this magnitude are highly unusual, but not impossible. Similar forms of encephalopathy may, however arise from extended, chronic exposure to lower doses of lead. There is no sharp dividing line between rapidly developing acute effects of lead, and chronic effects which take longer to acquire. Lead adversely affects numerous body systems, and causes forms of health impairment and disease which arise after periods of exposure as short as days or as long as several years.

(II) Long-term (chronic) overexposure.

a) Chronic overexposure to lead may result in severe damage to your blood-forming, nervous, urinary and reproductive systems. Some common symptoms of chronic overexposure include loss of appetite, metallic taste in the mouth, anxiety, constipation, nausea, pallor, excessive tiredness, weakness, insomnia, headache, nervous irritability, muscle

and joint pain or soreness, fine tremors, numbness, dizziness, hyperactivity and colic. In lead colic there may be severe abdominal pain.

b) Damage to the central nervous system in general and the brain (encephalopathy) in particular is one of the most severe forms of lead poisoning. The most severe, often fatal, form of encephalopathy may be preceded by vomiting, a feeling of dullness progressing to drowsiness and stupor, poor memory, restlessness, irritability, tremor, and convulsions. It may arise suddenly with the onset of seizures, followed by coma, and death. There is a tendency for muscular weakness to develop at the same time. This weakness may progress to paralysis often observed as a characteristic "wrist drop" or "foot drop" and is a manifestation of a disease to the nervous system called peripheral neuropathy.

c) Chronic overexposure to lead also results in kidney disease with few, if any, symptoms appearing until extensive and most likely permanent kidney damage has occurred. Routine laboratory tests reveal the presence of this kidney disease only after about two-thirds of kidney function is lost. When overt symptoms of urinary dysfunction arise, it is often too late to correct or prevent worsening conditions, and progression of kidney dialysis or death is possible.

d) Chronic overexposure to lead impairs the reproductive systems of both men and women. Overexposure to lead may result in decreased sex drive, impotence and sterility in men. Lead can alter the structure of sperm cells raising the risk of birth defects. There is evidence of miscarriage and stillbirth in women whose husbands were exposed to lead or who were exposed to lead themselves. Lead exposure also may result in decreased fertility, and abnormal menstrual cycles in women. The course of pregnancy may be adversely affected by exposure to lead since lead crosses the placental barrier and poses risks to developing fetuses. Children born of parents either one of whom were exposed to excess lead levels are more likely to have birth defects, mental retardation, behavioral disorders or die during the first year of childhood.

e) Overexposure to lead also disrupts the blood-forming system resulting in decreased hemoglobin (the substance in the blood that carries oxygen to the cells) and ultimately anemia. Anemia is characterized by weakness, pallor and fatigability as a result of decreased oxygen carrying capacity in the blood.

(III) Health protection goals of the standard.

a) Prevention of adverse health effects for most workers from exposure to lead throughout a working lifetime requires that worker blood lead (PbB) levels be maintained at or below forty micrograms per one hundred grams of whole blood (40 $\mu\text{g}/100\text{g}$). The blood lead levels of workers (both male and female workers) who intend to have children should be maintained below 30 $\mu\text{g}/100\text{g}$ to minimize adverse reproductive health effects to the parents and to the developing fetus.

b) The measurement of your blood lead level is the most useful indicator of the amount of lead absorbed by your body. Blood lead levels (PbB) are most often reported in units of milligrams (mg) or micrograms (μg) of lead (1 mg = 1000 μg) per 100 grams (100g), 100 milliliters (100 ml) or deciliter (dl) of blood. These three units are essentially the same.

Sometimes PbB's are expressed in the form of mg% or $\mu\text{g}\%$. This is a shorthand notation for 100g, 100ml, or dl.

c) PbB measurements show the amount of lead circulating in your blood stream, but do not give any information about the amount of lead stored in your various tissues. PbB measurements merely show current absorption of lead, not the effect that lead is having on your body or the effects that past lead exposure may have already caused. Past research into lead-related diseases, however, has focused heavily on associations between PbBs and various diseases. As a result, your PbB is an important indicator of the likelihood that you will gradually acquire a lead-related health impairment or disease.

d) Once your blood lead level climbs above 40 $\mu\text{g}/100\text{g}$, your risk of disease increases. There is a wide variability of individual response to lead, thus it is difficult to say that a particular PbB in a given person will cause a particular effect. Studies have associated fatal encephalopathy with PbBs as low as 150 $\mu\text{g}/100\text{g}$. Other studies have shown other forms of disease in some workers with PbBs well below 80 $\mu\text{g}/100\text{g}$. Your PbB is a crucial indicator of the risks to your health, but one other factor is extremely important. This factor is the length of time you have had elevated PbBs. The longer you have an elevated PbB, the greater the risk that large quantities of lead are being gradually stored in your organs and tissues (body burden). The greater your overall body burden, the greater the chances of substantial permanent damage.

e) The best way to prevent all forms of lead-related impairments and diseases—both short-term and long-term—is to maintain your PbB below 40 $\mu\text{g}/100\text{g}$. The provisions of the standard are designed with this end in mind. Your employer has prime responsibility to assure that the provisions of the standard are complied with both by the company and by individual workers. You as a worker, however, also have a responsibility to assist your employer in complying with the standard. You can play a key role in protecting your own health by learning about the lead hazards and their control, learning what the standard requires, following the standard where it governs your own action, and seeing that your employer complies with the provisions governing his actions.

(IV) Reporting signs and symptoms of health problems. You should immediately notify your employer if you develop signs or symptoms associated with lead poisoning or if you desire medical advice concerning the effects of current or past exposure to lead on your ability to have a healthy child. You should also notify your employer if you have difficulty breathing during a respirator fit test or while wearing a respirator. In each of these cases your employer must make available to you appropriate medical examinations or consultations. These must be provided at no cost to you and at a reasonable time and place.

(b) Appendix B. Employee Standard Summary. This appendix summarizes key provisions of the standard that you as a worker should become familiar with. The appendix discusses the entire standard.

(i) Permissible exposure limit (PEL). The standard sets a permissible exposure limit (PEL) of fifty micrograms of lead per cubic meter of air (50 $\mu\text{g}/\text{m}^3$), averaged over an eight-hour workday. This is the highest level of lead in air to which you may be permissibly exposed over an eight-hour workday.

Since it is an eight-hour average it permits short exposures above the PEL so long as for each eight-hour workday your average exposure does not exceed the PEL.

(ii) Exposure monitoring.

(A) If lead is present in the work place where you work in any quantity, your employer is required to make an initial determination of whether the action level is exceeded for any employee. The initial determination must include instrument monitoring of the air for the presence of lead and must cover the exposure of a representative number of employees who are reasonably believed to have the highest exposure levels. If your employer has conducted appropriate air sampling for lead in the past year he may use these results. If there have been any employee complaints of symptoms which may be attributable to exposure to lead or if there is any other information or observations which would indicate employee exposure to lead, this must also be considered as part of the initial determination. If this initial determination shows that a reasonable possibility exists that any employee may be exposed, without regard to respirators, over the action level ($30 \mu\text{g}/\text{m}^3$) your employer must set up an air monitoring program to determine the exposure level of every employee exposed to lead at your work place.

(B) In carrying out this air monitoring program, your employer is not required to monitor the exposure of every employee, but he or she must monitor a representative number of employees and job types. Enough sampling must be done to enable each employee's exposure level to be reasonably represented by at least one full shift (at least seven hours) air sample. In addition, these air samples must be taken under conditions which represent each employee's regular, daily exposure to lead.

(C) If you are exposed to lead and air sampling is performed, your employer is required to quickly notify you in writing of air monitoring results which represent your exposure. If the results indicate your exposure exceeds the PEL (without regard to your use of respirators), then your employer must also notify you of this in writing, and provide you with a description of the corrective action that will be taken to reduce your exposure.

(D) Your exposure must be rechecked by monitoring every six months if your exposure is over the action level but below the PEL. Air monitoring must be repeated every three months if you are exposed over the PEL. Your employer may discontinue monitoring for you if two consecutive measurements, taken at least two weeks apart, are below the action level. However, whenever there is a production, process, control, or personnel change at your work place which may result in new or additional exposure to lead, or whenever there is any other reason to suspect a change which may result in new or additional exposure to lead, your employer must perform additional monitoring.

(iii) Methods of compliance. Your employer is required to assure that no employee is exposed to lead in excess of the PEL. The standard establishes a priority of methods to be used to meet the PEL.

(iv) Respiratory protection.

(A) Your employer is required to provide and assure your use of respirators when your exposure to lead is not controlled below the PEL by other means. The employer must

pay the cost of the respirator. Whenever you request one, your employer is also required to provide you a respirator even if your air exposure level does not exceed the PEL. You might desire a respirator when, for example, you have received medical advice that your lead absorption should be decreased. Or, you may intend to have children in the near future, and want to reduce the level of lead in your body to minimize adverse reproductive effects. While respirators are the least satisfactory means of controlling your exposure, they are capable of providing significant protection if properly chosen, fitted, worn, cleaned, maintained, and replaced when they stop providing adequate protection.

(B) Your employer is required to select respirators from the seven types listed in Table II of the respiratory protection section of this standard (see subsection (7)(c) of this section). Any respirator chosen must be certified by the National Institute for Occupational Safety and Health (NIOSH) under the provisions of 42 CFR part 84. This respirator selection table will enable your employer to choose a type of respirator which will give you a proper amount of protection based on your airborne lead exposure. Your employer may select a type of respirator that provides greater protection than that required by the standard; that is, one recommended for a higher concentration of lead than is present in your work place. For example, a powered air purifying respirator (PAPR) is much more protective than a typical negative-pressure respirator, and may also be more comfortable to wear. A PAPR has a filter, cartridge or canister to clean the air, and a power source which continuously blows filtered air into your breathing zone. Your employer might make a PAPR available to you to ease the burden of having to wear a respirator for long periods of time. The standard provides that you can obtain a PAPR upon request.

(C) Your employer must also start a respiratory protection program. This program must include written procedures for the proper selection, use, cleaning, storage, and maintenance of respirators.

(D) Your employer must assure that your respirator facepiece fits properly. Proper fit of a respirator facepiece is critical to your protection against air borne lead. Obtaining a proper fit on each employee may require your employer to make available several different types of respirator masks. To ensure that your respirator fits properly and that facepiece leakage is minimal, your employer must give you either a qualitative or quantitative fit test as required in chapter 296-842 WAC.

(E) You must also receive from your employer proper training in the use of respirators. Your employer is required to teach you how to wear a respirator, to know why it is needed, and to understand its limitations.

(F) The standard provides that if your respirator uses filter elements, you must be given an opportunity to change the filter elements whenever an increase in breathing resistance is detected. You also must be permitted to periodically leave your work area to wash your face and respirator facepiece whenever necessary to prevent skin irritation. If you ever have difficulty breathing during a fit test or while using a respirator, your employer must make a medical examination available to you to determine whether you can safely wear a respirator. The result of this examination may be to give you

a positive pressure respirator (which reduces breathing resistance) or to provide alternative means of protection.

(v) Protective work clothing and equipment. If you are exposed to lead above the PEL, or if you are exposed to lead compounds such as lead arsenate or lead azide which can cause skin and eye irritation, your employer must provide you with protective work clothing and equipment appropriate for the hazard. If work clothing is provided, it must be provided in a clean and dry condition at least weekly, and daily if your airborne exposure to lead is greater than 200 $\mu\text{g}/\text{m}^3$. Appropriate protective work clothing and equipment can include coveralls or similar full-body work clothing, gloves, hats, shoes or disposable shoe coverlets, and face shields or vented goggles. Your employer is required to provide all such equipment at no cost to you. He or she is responsible for providing repairs and replacement as necessary and also is responsible for the cleaning, laundering or disposal of protective clothing and equipment. Contaminated work clothing or equipment must be removed in change rooms and not worn home or you will extend your exposure and expose your family since lead from your clothing can accumulate in your house, car, etc. Contaminated clothing which is to be cleaned, laundered or disposed of must be placed in closed containers in the change room. At no time may lead be removed from protective clothing or equipment by any means which disperses lead into the work room air.

(vi) Housekeeping. Your employer must establish a housekeeping program sufficient to maintain all surfaces as free as practicable of accumulations of lead dust. Vacuuming is the preferred method of meeting this requirement, and the use of compressed air to clean floors and other surfaces is absolutely prohibited. Dry or wet sweeping, shoveling, or brushing may not be used except where vacuuming or other equally effective methods have been tried and do not work. Vacuums must be used and emptied in a manner which minimizes the reentry of lead into the work place.

(vii) Hygiene facilities and practices.

(A) The standard requires that change rooms, showers and filtered air lunchrooms be constructed and made available to workers exposed to lead above the PEL. When the PEL is exceeded, the employer must assure that food and beverage is not present or consumed, tobacco products are not present or used, and cosmetics are not applied, except in these facilities. Change rooms, showers and lunchrooms, must be used by workers exposed in excess of the PEL. After showering, no clothing or equipment worn during the shift may be worn home and this includes shoes and underwear. Your own clothing worn during the shift should be carried home and cleaned carefully so that it does not contaminate your home. Lunchrooms may not be entered with protective clothing or equipment unless surface dust has been removed by vacuuming, downdraft booth or other cleaning methods. Finally, workers exposed above the PEL must wash both their hands and faces prior to eating, drinking, smoking or applying cosmetics.

(B) All of the facilities and hygiene practices just discussed are essential to minimize additional sources of lead absorption from inhalation or ingestion of lead that may accumulate on you, your clothes or your possessions. Strict compliance with these provisions can virtually eliminate sev-

eral sources of lead exposure which significantly contribute to excessive lead absorption.

(viii) Medical surveillance.

(A) The medical surveillance program is part of the standard's comprehensive approach to the prevention of lead-related disease. Its purpose is to supplement the main thrust of the standard which is aimed at minimizing airborne concentrations of lead and sources of ingestion. Only medical surveillance can determine if the other provisions of the standard have effectively protected you as an individual. Compliance with the standard's provision will protect most workers from the adverse effects of lead exposure, but may not be satisfactory to protect individual workers (I) who have high body burdens of lead acquired over past years, (II) who have additional uncontrolled sources of nonoccupational lead exposure, (III) who exhibit unusual variations in lead absorption rates, or (IV) who have specific nonwork related medical conditions which could be aggravated by lead exposure (e.g., renal disease, anemia). In addition, control systems may fail, or hygiene and respirator programs may be inadequate. Periodic medical surveillance of individual workers will help detect those failures. Medical surveillance will also be important to protect your reproductive ability - regardless of whether you are a man or a woman.

(B) All medical surveillance required by the standard must be performed by or under the supervision of a licensed physician. The employer must provide required medical surveillance without cost to employees and at a reasonable time and place. The standard's medical surveillance program has two parts - periodic biological monitoring, and medical examinations.

(C) Your employer's obligation to offer medical surveillance is triggered by the results of the air monitoring program. Medical surveillance must be made available to all employees who are exposed in excess of the action level for more than thirty days a year. The initial phase of the medical surveillance program, which included blood lead level tests and medical examinations, must be completed for all covered employees no later than one hundred eighty days from the effective date of this standard. Priority within this first round of medical surveillance must be given to employees whom the employer believes to be at greatest risk from continued exposure (for example, those with the longest prior exposure to lead, or those with the highest current exposure). Thereafter, the employer must periodically make medical surveillance - both biological monitoring and medical examinations - available to all covered employees.

(D) Biological monitoring under the standard consists of blood lead level (PbB) and zinc protoporphyrin tests at least every six months after the initial PbB test. A zinc protoporphyrin (ZPP) test is a very useful blood test which measures an effect of lead on your body. If a worker's PbB exceeds 40 $\mu\text{g}/100\text{g}$, the monitoring frequency must be increased from every six months to at least every two months and not reduced until two consecutive PbBs indicate a blood lead level below 40 $\mu\text{g}/100\text{g}$. Each time your PbB is determined to be over 40 $\mu\text{g}/100\text{g}$, your employer must notify you of this in writing within five working days of the receipt of the test results. The employer must also inform you that the standard requires temporary medical removal with economic protec-

tion when your PbB exceeds certain criteria (see Discussion of Medical Removal Protection - subsection (12)). During the first year of the standard, this removal criterion is 80 µg/100g. Anytime your PbB exceeds 80 µg/100g your employer must make available to you a prompt follow-up PbB test to ascertain your PbB. If the two tests both exceed 80 µg/100g and you are temporarily removed, then your employer must make successive PbB tests available to you on a monthly basis during the period of your removal.

(E) Medical examinations beyond the initial one must be made available on an annual basis if your blood lead levels exceeds 40 µg/100g at any time during the preceding year. The initial examination will provide information to establish a baseline to which subsequent data can be compared. An initial medical examination must also be made available (prior to assignment) for each employee being assigned for the first time to an area where the airborne concentration of lead equals or exceeds the action level. In addition, a medical examination or consultation must be made available as soon as possible if you notify your employer that you are experiencing signs or symptoms commonly associated with lead poisoning or that you have difficulty breathing while wearing a respirator or during a respirator fit test. You must also be provided a medical examination or consultation if you notify your employer that you desire medical advice concerning the effects of current or past exposure to lead on your ability to procreate a healthy child.

(F) Finally, appropriate follow-up medical examinations or consultations may also be provided for employees who have been temporarily removed from exposure under the medical removal protection provisions of the standard (see item (ix) below).

(G) The standard specifies the minimum content of pre-assignment and annual medical examinations. The content of other types of medical examinations and consultations is left up to the sound discretion of the examining physician. Pre-assignment and annual medical examinations must include (I) a detailed work history and medical history, (II) a thorough physical examination, and (III) a series of laboratory tests designed to check your blood chemistry and your kidney function. In addition, at any time upon your request, a laboratory evaluation of male fertility will be made (microscopic examination of a sperm sample), or a pregnancy test will be given.

(H) The standard does not require that you participate in any of the medical procedures, tests, etc., which your employer is required to make available to you. Medical surveillance can, however, play a very important role in protecting your health. You are strongly encouraged, therefore, to participate in a meaningful fashion. Generally, your employer will choose the physician who conducts medical surveillance under the lead standard - unless you and your employer can agree on the choice of a physician or physicians. Some companies and unions have agreed in advance, for example, to use certain independent medical laboratories or panels of physicians. Any of these arrangements are acceptable so long as required medical surveillance is made available to workers.

(I) The standard requires your employer to provide certain information to a physician to aid in his or her examina-

tion of you. This information includes (I) the standard and its appendices, (II) a description of your duties as they relate to lead exposure, (III) your exposure level, (IV) a description of personal protective equipment you wear, (V) prior blood level results, and (VI) prior written medical opinions concerning you that the employer has. After a medical examination or consultation the physician must prepare a written report which must contain (I) the physician's opinion as to whether you have any medical conditions which places you at increased risk of material impairment to health from exposure to lead, (II) any recommended special protective measures to be provided to you, (III) any blood lead level determinations, and (IV) any recommended limitation on your use of respirators. This last element must include a determination of whether you can wear a powered air purifying respirator (PAPR) if you are found unable to wear a negative pressure respirator.

(J) The medical surveillance program of the lead standard may at some point in time serve to notify certain workers that they have acquired a disease or other adverse medical condition as a result of occupational lead exposure. If this is true these workers might have legal rights to compensation from public agencies, their employers, firms that supply hazardous products to their employers, or other persons. Some states have laws, including worker compensation laws, that disallow a worker to learn of a job-related health impairment to sue, unless the worker sues within a short period of time after learning of the impairment. (This period of time may be a matter of months or years.) An attorney can be consulted about these possibilities. It should be stressed that WISHA is in no way trying to either encourage or discourage claims or lawsuits. However, since results of the standard's medical surveillance program can significantly affect the legal remedies of a worker who has acquired a job-related disease or impairment, it is proper for WISHA to make you aware of this.

(K) The medical surveillance section of the standard also contains provisions dealing with chelation. Chelation is the use of certain drugs (administered in pill form or injected into the body) to reduce the amount of lead absorbed in body tissues. Experience accumulated by the medical and scientific communities has largely confirmed the effectiveness of this type of therapy for the treatment of very severe lead poisoning. On the other hand it has also been established that there can be a long list of extremely harmful side effects associated with the use of chelating agents. The medical community has balanced the advantages and disadvantages resulting from the use of chelating agents in various circumstances and has established when the use of these agents is acceptable. The standard includes these accepted limitations due to a history of abuse of chelation therapy by some lead companies. The most widely used chelating agents are calcium disodium EDTA, (Ca Na₂EDTA), Calcium Disodium Versenate (Versenate), and d-penicillamine (penicillamine or Cupramine).

(L) The standard prohibits "prophylactic chelation" of any employee by any person the employer retains, supervises or controls. "Prophylactic chelation" is the routine use of chelating or similarly acting drugs to prevent elevated blood levels in workers who are occupationally exposed to lead, or

the use of these drugs to routinely lower blood lead levels to predesignated concentrations believed to be safe. It should be emphasized that where an employer takes a worker who has no symptoms of lead poisoning and has chelation carried out by a physician (either inside or outside of a hospital) solely to reduce the worker's blood lead level, that will generally be considered prophylactic chelation. The use of a hospital and a physician does not mean that prophylactic chelation is not being performed. Routine chelation to prevent increased or reduce current blood lead levels is unacceptable whatever the setting.

(M) The standard allows the use of "therapeutic" or "diagnostic" chelation if administered under the supervision of a licensed physician in a clinical setting with thorough and appropriate medical monitoring. Therapeutic chelation responds to severe lead poisoning where there are marked symptoms. Diagnostic chelation, involves giving a patient a dose of the drug then collecting all urine excreted for some period of time as an aid to the diagnosis of lead poisoning.

(N) In cases where the examining physician determines that chelation is appropriate, you must be notified in writing of this fact before such treatment. This will inform you of a potentially harmful treatment, and allow you to obtain a second opinion.

(ix) Medical removal protection.

(A) Excessive lead absorption subjects you to increased risk of disease. Medical removal protection (MRP) is a means of protecting you when for whatever reasons, other methods, such as engineering controls, work practices, and respirators, have failed to provide the protection you need. MRP involves the temporary removal of a worker from his or her regular job to a place of significantly lower exposure without any loss of earnings, seniority, or other employment rights or benefits. The purpose of this program is to cease further lead absorption and allow your body to naturally excrete lead which has previously been absorbed. Temporary medical removal can result from an elevated blood lead level, or a medical opinion. Up to eighteen months of protection is provided as a result of either form of removal. The vast majority of removed workers, however, will return to their former jobs long before this eighteen month period expires. The standard contains special provisions to deal with the extraordinary but possible case where a long-term worker's blood lead level does not adequately decline during eighteen months of removal.

(B) During the first year of the standard, if your blood lead level is 80 µg/100g or above you must be removed from any exposure where your air lead level without a respirator would be 100 µg/m³ or above. If you are removed from your normal job you may not be returned until your blood lead level declines to at least 60 µg/100g. These criteria for removal and return will change according to the following schedule:

TABLE 1

Effective Date	Removal Blood Level (µg/100g)	Air Lead (µg/m ³)	Return Blood Lead (µg/100g)
9/6/81	At or above 70	50 or above	At or below 50

TABLE 1

Effective Date	Removal Blood Level (µg/100g)	Air Lead (µg/m ³)	Return Blood Lead (µg/100g)
9/6/82	At or above 60	30 or above	At or below 40
9/6/84	At or above 50 averaged over six months	30 or above	At or below 40

(C) You may also be removed from exposure even if your blood lead levels are below these criteria if a final medical determination indicates that you temporarily need reduced lead exposure for medical reasons. If the physician who is implementing your employer's medical program makes a final written opinion recommending your removal or other special protective measures, your employer must implement the physician's recommendation. If you are removed in this manner, you may only be returned when the physician indicates it is safe for you to do so.

(D) The standard does not give specific instructions dealing with what an employer must do with a removed worker. Your job assignment upon removal is a matter for you, your employer and your union (if any) to work out consistent with existing procedures for job assignments. Each removal must be accomplished in a manner consistent with existing collective bargaining relationships. Your employer is given broad discretion to implement temporary removals so long as no attempt is made to override existing agreements. Similarly, a removed worker is provided no right to veto an employer's choice which satisfies the standard.

(E) In most cases, employers will likely transfer removed employees to other jobs with sufficiently low lead exposure. Alternatively, a worker's hours may be reduced so that the time weighted average exposure is reduced, or he or she may be temporarily laid off if no other alternative is feasible.

(F) In all of these situations, MRP benefits must be provided during the period of removal - i.e., you continue to receive the same earnings, seniority, and other rights and benefits you would have had if you had not been removed. Earnings include more than just your base wage; it includes overtime, shift differentials, incentives, and other compensation you would have earned if you had not been removed. During the period of removal you must also be provided with appropriate follow-up medical surveillance. If you were removed because your blood lead level was too high, you must be provided with a monthly blood test. If a medical opinion caused your removal, you must be provided medical tests or examinations that the physician believes to be appropriate. If you do not participate in this follow-up medical surveillance, you may lose your eligibility for MRP benefits.

(G) When you are medically eligible to return to your former job, your employer must return you to your "former job status." This means that you are entitled to the position, wages, benefits, etc., you would have had if you had not been removed. If you would still be in your old job if no removal had occurred, that is where you go back. If not, you are

returned consistent with whatever job assignment discretion your employer would have had if no removal had occurred. MRP only seeks to maintain your rights, not expand them or diminish them.

(H) If you are removed under MRP and you are also eligible for worker compensation or other compensation for lost wages, your employer's MRP benefits obligation is reduced by the amount that you actually receive from these other sources. This is also true if you obtain other employment during the time you are laid off with MRP benefits.

(I) The standard also covers situations where an employer voluntarily removes a worker from exposure to lead due to the effects of lead on the employee's medical condition, even though the standard does not require removal. In these situations MRP benefits must still be provided as though the standard required removal. Finally, it is important to note that in all cases where removal is required, respirators cannot be used as a substitute. Respirators may be used before removal becomes necessary, but not as an alternative to a transfer to a low exposure job, or to a lay-off with MRP benefits.

(x) Employee information and training.

(A) Your employer is required to provide an information and training program for all employees exposed to lead above the action level or who may suffer skin or eye irritation from lead. This program must inform these employees of the specific hazards associated with their work environment, protective measures which can be taken, the danger of lead to their bodies (including their reproductive systems), and their rights under the standard. In addition, your employer must make readily available to all employees, including those exposed below the action level, a copy of the standard and its appendices and must distribute to all employees any materials provided to the employer under the Washington Industrial Safety and Health Act (WISHA).

(B) Your employer is required to complete this training for all employees by March 4, 1981. After this date, all new employees must be trained prior to initial assignment to areas where there is possibility of exposure over the action level. This training program must also be provided at least annually thereafter.

(xi) Signs. The standard requires that the following warning sign be posted in work areas where the exposure to lead exceeds the PEL:

WARNING
LEAD WORK AREA
NO SMOKING OR EATING

(xii) Recordkeeping.

(A) Your employer is required to keep all records of exposure monitoring for airborne lead. These records must include the name and job classification of employees measured, details of the sampling and analytic techniques, the results of this sampling and the type of respiratory protection being worn by the person sampled. Your employer is also required to keep all records of biological monitoring and medical examination results. These must include the names of the employees, the physician's written opinion and a copy of the results of the examination. All of the above kinds of records must be kept for forty years, or for at least twenty

years after your termination of employment, whichever is longer.

(B) Recordkeeping is also required if you are temporarily removed from your job under the MRP program. This record must include your name and Social Security number, the date of your removal and return, how the removal was or is being accomplished, and whether or not the reason for the removal was an elevated blood lead level. Your employer is required to keep each medical removal record only for as long as the duration of an employee's employment.

(C) The standard requires that if you request to see or copy environmental monitoring, blood lead level monitoring, or medical removal records, they must be made available to you or to a representative that you authorize. Your union also has access to these records. Medical records other than PbBs must also be provided to you upon request, to your physician or to any other person whom you may specifically designate. Your union does not have access to your personal medical records unless you authorize their access.

(xiii) Observations of monitoring. When air monitoring for lead is performed at your work place as required by this standard, your employer must allow you or someone you designate to act as an observer of the monitoring. Observers are entitled to an explanation of the measurement procedure, and to record the results obtained. Since results will not normally be available at the time of the monitoring, observers are entitled to record or receive the results of the monitoring when returned by the laboratory. Your employer is required to provide the observer with any personal protective devices required to be worn by employees working in the areas that is being monitored. The employer must require the observer to wear all such equipment and to comply with all other applicable safety and health procedures.

(xiv) Effective date. The standard's effective date is September 6, 1980, and the employer's obligation under the standard begin to come into effect as of that date. The standard was originally adopted as WAC 296-62-07349 and later recodified to WAC 296-62-07521.

(c) Appendix C. Medical Surveillance Guidelines.

(i) Introduction.

(A) The primary purpose of the Washington Industrial Safety and Health Act of 1973 is to assure, so far as possible, safe and healthful working conditions for every working man and woman. The occupational health standard for inorganic lead* was promulgated to protect workers exposed to inorganic lead including metallic lead, all inorganic lead compounds and organic lead soaps.

*The term inorganic lead used throughout the medical surveillance appendices is meant to be synonymous with the definition of lead set forth in the standard.

(B) Under this final standard in effect as of September 6, 1980, occupational exposure to inorganic lead is to be limited to 50 µg/m³ (micrograms per cubic meter) based on an eight-hour time-weighted average (TWA). This level of exposure eventually must be achieved through a combination of engineering, work practice and other administrative controls. Periods of time ranging from one to ten years are provided for different industries to implement these controls which are based on individual industry considerations. Until these con-

trols are in place, respirators must be used to meet the 50 µg/m³ exposure limit.

(C) The standard also provides for a program of biological monitoring and medical surveillance for all employees exposed to levels of inorganic lead above the action level of 30 µg/m³ for more than thirty days per year.

(D) The purpose of this document is to outline the medical surveillance provisions of the standard for inorganic lead, and to provide further information to the physician regarding the examination and evaluation of workers exposed to inorganic lead.

(E) Item (ii) provides a detailed description of the monitoring procedure including the required frequency of blood testing for exposed workers, provisions for medical removal protection (MRP), the recommended right of the employee to a second medical opinion, and notification and recordkeeping requirements of the employer. A discussion of the requirements for respirator use and respirator monitoring and WISHA's position on prophylactic chelation therapy are also included in this section.

(F) Item (iii) discusses the toxic effects and clinical manifestations of lead poisoning and effects of lead intoxication on enzymatic pathways in heme synthesis. The adverse effects on both male and female reproductive capacity and on the fetus are also discussed.

(G) Item (iv) outlines the recommended medical evaluation of the worker exposed to inorganic lead including details of the medical history, physical examination, and recommended laboratory tests, which are based on the toxic effects of lead as discussed in item (ii).

(H) Item (v) provides detailed information concerning the laboratory tests available for the monitoring of exposed workers. Included also is a discussion of the relative value of each test and the limitations and precautions which are necessary in the interpretation of the laboratory results.

(I) Airborne levels to be achieved without reliance on respirator protection through a combination of engineering and work practice or other administrative controls are illustrated in the following table:

Industry	Permissible Lead Level/Compliance Date		
	200µg/m ³	100µg/m ³	50µg/m ³
Primary Lead Production	1973	06/29/84	06/29/91
Secondary Lead Production	1973	06/29/84	06/29/91
Lead Acid Battery Manufacturing	1973	06/29/83	06/29/91
Automobile Mfg./Solder, Grinding	1973	N/A	03/08/97
Electronics, Gray Iron Foundries, Ink Mfg., Paints and Coatings Mfg., Can Mfg., Wallpaper Mfg., and Printing.	1973	N/A	06/29/91

Industry	Permissible Lead Level/Compliance Date		
	200µg/m ³	100µg/m ³	50µg/m ³
Lead Chemical Mfg., Nonferrous Foundries, Leaded Steel Mfg., Battery Breaking in the Collection and Processing of Scrap (when not a part of secondary lead smelter)			
Secondary Copper Smelter, Brass and Bronze Ingot Production.	1973	N/A	N/A ^{1*}
All Other Industries	1973	N/A	09/08/92

* Feasibility of achieving the PEL by engineering and work practice controls for these industries has yet to be resolved in court, therefore no date has been scheduled.

(ii) Medical surveillance and monitoring requirements for workers exposed to inorganic lead.

(A) Under the occupational health standard for inorganic lead, a program of biological monitoring and medical surveillance is to be made available to all employees exposed to lead above the action level of 30 µg/m³ TWA for more than thirty days each year. This program consists of periodic blood sampling and medical evaluation to be performed on a schedule which is defined by previous laboratory results, worker complaints or concerns, and the clinical assessment of the examining physician.

(B) Under this program, the blood lead level of all employees who are exposed to lead above the action level of 30 µg/m³ is to be determined at least every six months. The frequency is increased to every two months for employees whose last blood lead level was between 40 µg/100g whole blood and the level requiring employee medical removal to be discussed below. For employees who are removed from exposure to lead due to an elevated blood lead, a new blood lead level must be measured monthly. Zinc protoporphyrin (ZPP) measurement is required on each occasion that a blood lead level measurement is made.

(C) An annual medical examination and consultation performed under the guidelines discussed in item (iv) is to be made available to each employee for whom a blood test conducted at any time during the preceding twelve months indicated a blood lead level at or above 40 µg/100g. Also, an examination is to be given to all employees prior to their assignment to an area in which airborne lead concentrations reach or exceed the action level. In addition, a medical examination must be provided as soon as possible after notification by an employee that the employee has developed signs or symptoms commonly associated with lead intoxication, that the employee desires medical advice regarding lead exposure and the ability to procreate a healthy child, or that the employee has demonstrated difficulty in breathing during a respirator fitting test or during respirator use. An examination is also to be made available to each employee removed from exposure to lead due to a risk of sustaining material impairment to health, or otherwise limited or specially protected pursuant to medical recommendations.

(D) Results of biological monitoring or the recommendations of an examining physician may necessitate removal of an employee from further lead exposure pursuant to the

standard's medical removal program (MRP). The object of the MRP program is to provide temporary medical removals to workers either with substantially elevated blood lead levels or otherwise at risk of sustaining material health impairment from continued substantial exposure to lead. The following

guidelines which are summarized in Table 10 were created under the standard for the temporary removal of an exposed employee and his or her subsequent return to work in an exposure area.

TABLE 10

	EFFECTIVE DATE				
	Sept. 6, 1980	Sept. 6, 1981	Sept. 6, 1982	Sept. 6, 1983	Sept. 6, 1984
A. Blood lead level requiring employee medical removal (level must be confirmed with second follow-up blood lead level within two weeks of first report).	>80 µg/100g.	>70 µg/100g.	>60 µg/100g.	>60 µg/100g.	>60 µg/100g or average of last three blood samples or all blood samples over previous 6 months (whichever is over a longer time period) is 50 µg/100g. or greater unless last sample is 40 µg/100g or less.
B. Frequency which employees exposed is action level of lead (30 µg/m ³ TWA) must have blood lead level checked. (ZPP is also required in each occasion that a blood test is obtained):					
1. Last blood lead level less than 40 µg/100g	Every 6 months.				
2. Last blood lead level between 40 µg/100g and level requiring medical removal (see A above)	Every 2 months.				
3. Employees removed from exposure to lead because of an elevated blood lead level	Every 1 month.				

TABLE 10

EFFECTIVE DATE

	Sept. 6, 1980	Sept. 6, 1981	Sept. 6, 1982	Sept. 6, 1983	Sept. 6, 1984
C. Permissible airborne exposure limit for workers removed from work due to an elevated blood lead level (without regard to respirator protection).	100 $\mu\text{g}/\text{m}^3$ 8 hr TWA	50 $\mu\text{g}/\text{m}^3$ 8 hr TWA	30 $\mu\text{g}/\text{m}^3$ 8 hr TWA	30 $\mu\text{g}/\text{m}^3$ 8 hr TWA	30 $\mu\text{g}/\text{m}^3$ 8 hr TWA
D. Blood lead level confirmed with a second blood analysis, at which employee may return to work. Permissible exposure without regard to respirator protection is listed by industry in Table 1.	60 $\mu\text{g}/100\text{g}$	50 $\mu\text{g}/100\text{g}$	40 $\mu\text{g}/100\text{g}$	40 $\mu\text{g}/100\text{g}$	40 $\mu\text{g}/100\text{g}$

Note: Where medical opinion indicates that an employee is at risk of material impairment from exposure to lead, the physician can remove an employee from exposure exceeding the action level (or less) or recommend special protective measures as deemed appropriate and necessary. Medical monitoring during the medical removal period can be more stringent than noted in the table above if the physician so specifies. Return to work or removal of limitations and special protections is permitted when the physician indicates that the worker is no longer at risk of material impairment.

(E) Under the standard's ultimate worker removal criteria, a worker is to be removed from any work having any eight-hour TWA exposure to lead of 30 $\mu\text{g}/\text{m}^3$ or more whenever either of the following circumstances apply. (I) a blood lead level of 60 $\mu\text{g}/100\text{g}$ or greater is obtained and confirmed by a second follow-up blood lead level performed within two weeks after the employer receives the results of the first blood sample test, or (II) the average of the previous three blood lead determinations or the average of all blood lead determinations conducted during the previous six months, whichever encompasses the longest time period, equals or exceeds 50 $\mu\text{g}/100\text{g}$, unless the last blood sample indicates a blood lead level at or below 40 $\mu\text{g}/100\text{g}$, in which case the employee need not be removed. Medical removal is to continue until two consecutive blood lead levels are 40 $\mu\text{g}/100\text{g}$ or less.

(F) During the first two years that the ultimate removal criteria are being phased in, the return criteria have been set to assure that a worker's blood lead level has substantially declined during the period of removal. From March 1, 1979, to March 1, 1980, the blood lead level requiring employee medical removal is 80 $\mu\text{g}/100\text{g}$. Workers found to have a confirmed blood lead at this level or greater need only be removed from work having a daily eight hour TWA exposure to lead at or above 100 $\mu\text{g}/\text{m}^3$. Workers so removed are to be returned to work when their blood lead levels are at or below 60 $\mu\text{g}/100\text{g}$ of whole blood. From March 1, 1980, to March 1, 1981, the blood lead level requiring medical removal is 70 $\mu\text{g}/100\text{g}$. During this period workers need only be removed from jobs having a daily eight hour TWA exposure to lead at or above 50 $\mu\text{g}/\text{m}^3$ and are to be returned to work when a level of 50 $\mu\text{g}/100\text{g}$ is achieved. Beginning March 1, 1981,

return depends on the worker's blood lead level declining to 40 $\mu\text{g}/100\text{g}$ of whole blood.

(G) As part of the standard, the employer is required to notify in writing each employee whose whole blood lead level exceeds 40 $\mu\text{g}/100\text{g}$. In addition, each such employee is to be informed that the standard requires medical removal with MRP benefits, discussed below, when an employee's blood lead level exceeds the above defined limits.

(H) In addition to the above blood lead level criteria, temporary worker removal may also take place as a result of medical determinations and recommendations. Written medical opinions must be prepared after each examination pursuant to the standard. If the examining physician includes medical finding, determination or opinion that the employee has a medical condition which places the employee at increased risk of material health impairment from exposure to lead, then the employee must be removed from exposure to lead at or above the action level. Alternatively, if the examining physician recommends special protective measures for an employee (e.g., use of a powered air purifying respirator) or recommends limitations on an employee's exposure to lead, then the employer must implement these recommendations. Recommendations may be more stringent than the specific provisions of the standard. The examining physician, therefore, is given broad flexibility to tailor special protective procedures to the needs of individual employees. This flexibility extends to the evaluation and management of pregnant workers and male and female workers who are planning to conceive children. Based on the history, physical examination, and laboratory studies, the physician might recommend special protective measures or medical removal for an employee who is pregnant or who is planning to conceive a child when, in the physician's judgment, continued exposure to lead at the current job would pose a significant risk. The return of the

employee to his or her former job status, or the removal of special protections or limitations, depends upon the examining physician determining that the employee is no longer at increased risk of material impairment or that the special measures are no longer needed.

(I) During the period of any form of special protection or removal, the employer must maintain the worker's earnings, seniority, and other employment rights and benefits (as though the worker has not been removed) for a period of up to eighteen months. This economic protection will maximize meaningful worker participation in the medical surveillance program, and is appropriate as part of the employer's overall obligation to provide a safe and healthful work place. The provisions of MRP benefits during the employee's removal period may, however, be conditioned upon participation in medical surveillance.

(J) On rare occasions, an employee's blood lead level may not acceptably decline within eighteen months of removal. This situation will arise only in unusual circumstances, thus the standard relies on an individual medical examination to determine how to protect such an employee. This medical determination is to be based on both laboratory values, including lead levels, zinc protoporphyrin levels, blood counts, and other tests felt to be warranted, as well as the physician's judgment that any symptoms or findings on physical examination are a result of lead toxicity. The medical determination may be that the employee is incapable of ever safely returning to his or her former job status. The medical determination may provide additional removal time past eighteen months for some employees or specify special protective measures to be implemented.

(K) The lead standard provides for a multiple physician review in cases where the employee wishes a second opinion concerning potential lead poisoning or toxicity. If an employee wishes a second opinion, he or she can make an appointment with a physician of his or her choice. This second physician will review the findings, recommendations or determinations of the first physician and conduct any examinations, consultations or tests deemed necessary in an attempt to make a final medical determination. If the first and second physicians do not agree in their assessment they must try to resolve their differences. If they cannot reach an agreement then they must designate a third physician to resolve the dispute.

(L) The employer must provide examining and consulting physicians with the following specific information: A copy of the lead regulations and all appendices, a description of the employee's duties as related to exposure, the exposure level to lead and any other toxic substances (if applicable), a description of personal protective equipment used, blood lead levels, and all prior written medical opinions regarding the employee in the employer's possession or control. The employer must also obtain from the physician and provide the employee with a written medical opinion containing blood lead levels, the physician's opinion as to whether the employee is at risk of material impairment to health, any recommended protective measures for the employee if further exposure is permitted, as well as any recommended limitations upon an employee's use of respirators.

(M) Employers must instruct each physician not to reveal to the employer in writing or in any other way his or her findings, laboratory results, or diagnoses which are felt to be unrelated to occupational lead exposure. They must also instruct each physician to advise the employee of any occupationally or nonoccupationally related medical condition requiring further treatment or evaluation.

(N) The standard provides for the use of respirators when engineering and other primary controls have not been fully implemented. However, the use of respirator protection shall not be used in lieu of temporary medical removal due to elevated blood lead levels or findings that an employee is at risk of material health impairment. This is based on the numerous inadequacies of respirators including skin rash where the facepiece makes contact with the skin, unacceptable stress to breathing in some workers with underlying cardiopulmonary impairment, difficulty in providing adequate fit, the tendency for respirators to create additional hazards by interfering with vision, hearing, and mobility, and the difficulties of assuring the maximum effectiveness of a complicated work practice program involving respirators. Respirators do, however, serve a useful function where engineering and work practice are inadequate by providing interim or short-term protection, provided they are properly selected for the environment in which the employee will be working, properly fitted to the employee, maintained and cleaned periodically, and worn by the employee when required.

(O) In its final standard on occupational exposure to inorganic lead, WISHA has prohibited prophylactic chelation. Diagnostic and therapeutic chelation are permitted only under the supervision of a licensed physician with appropriate medical monitoring in an acceptable clinical setting. The decision to initiate chelation therapy must be made on an individual basis and take into account the severity of symptoms felt to be a result of lead toxicity along with blood lead levels, ZPP levels and other laboratory tests as appropriate. EDTA and penicillamine, which are the primary chelating agents used in the therapy of occupational lead poisoning, have significant potential side effects and their use must be justified on the basis of expected benefits to the worker.

(P) Unless frank and severe symptoms are present, therapeutic chelation is not recommended given the opportunity to remove a worker from exposure and allow the body to naturally excrete accumulated lead. As a diagnostic aid, the chelation mobilization test using CA-EDTA has limited applicability. According to some investigators, the tests can differentiate between lead-induced and other nephropathies. The test may also provide an estimation of the mobile fraction of the total body lead burden.

(Q) Employers are required to assure that accurate records are maintained on exposure monitoring, medical surveillance, and medical removal for each employee. Exposure monitoring and medical surveillance records must be kept for forty years or the duration of employment plus twenty years, whichever is longer, while medical removal records must be maintained for the duration of employment. All records required under the standard must be made available upon request to representatives of the director of the department of labor and industries. Employers must also make environmental and biological monitoring and medical removal records

available to affected employees and to former employees or their authorized employee representatives. Employees or their specifically designated representatives have access to their entire medical surveillance records.

(R) In addition, the standard requires that the employer inform all workers exposed to lead at or above the action level of the provisions of the standard and all its appendices, the purpose and description of medical surveillance and provisions for medical removal protection if temporary removal is required. An understanding of the potential health effects of lead exposure by all exposed employees along with full understanding of their rights under the lead standard is essential for an effective monitoring program.

(iii) Adverse health effects of inorganic lead.

(A) Although the toxicity of lead has been known for 2,000 years, the knowledge of the complex relationship between lead exposure and human response is still being refined. Significant research into the toxic properties of lead continues throughout the world, and it should be anticipated that our understanding of thresholds of effects and margins of safety will be improved in future years. The provisions of the lead standard are founded on two prime medical judgments; first, the prevention of adverse health effects from exposure to lead throughout a working lifetime requires that worker blood lead levels be maintained at or below 40 $\mu\text{g}/100\text{g}$, and second, the blood lead levels of workers, male or female, who intend to parent in the near future should be maintained below 30 $\mu\text{g}/100\text{g}$ to minimize adverse reproduction health effects to the parent and developing fetus. The adverse effects of lead on reproduction are being actively researched and WISHA encourages the physician to remain abreast of recent developments in the area to best advise pregnant workers or workers planning to conceive children.

(B) The spectrum of health effects caused by lead exposure can be subdivided into five developmental states; normal, physiological changes of uncertain significance, pathophysiological changes, overt symptoms (morbidity), and mortality. Within this process there are no sharp distinctions, but rather a continuum of effects. Boundaries between categories overlap due to the wide variation of individual responses and exposures in the working population. WISHA's development of the lead standard focused on pathophysiological changes as well as later stages of disease.

(I) Heme synthesis inhibition.

a) The earliest demonstrated effect of lead involves its ability to inhibit at least two enzymes of the heme synthesis pathway at very low blood levels. Inhibition of delta aminolevulinic acid dehydrase (ALA-D) which catalyzes the conversion of delta-aminolevulinic acid (ALA) to protoporphyrin is observed at a blood lead level below 20 $\mu\text{g}/100\text{g}$ whole blood. At a blood lead level of 40 $\mu\text{g}/100\text{g}$, more than twenty percent of the population would have seventy percent inhibition of ALA-D. There is an exponential increase in ALA excretion at blood lead levels greater than 40 $\mu\text{g}/100\text{g}$.

b) Another enzyme, ferrochelatase, is also inhibited at low blood lead levels. Inhibition of ferrochelatase leads to increased free erythrocyte protoporphyrin (FEP) in the blood which can then bind to zinc to yield zinc protoporphyrin. At a blood lead level of 50 $\mu\text{g}/100\text{g}$ or greater, nearly one hundred percent of the population will have an increase FEP.

There is also an exponential relationship between blood lead levels greater than 40 $\mu\text{g}/100\text{g}$ and the associated ZPP level, which has led to the development of the ZPP screening test for lead exposure.

c) While the significance of these effects is subject to debate, it is WISHA's position that these enzyme disturbances are early stages of a disease process which may eventually result in the clinical symptoms of lead poisoning. Whether or not the effects do progress to the later stages of clinical disease, disruption of these enzyme processes over a working lifetime is considered to be a material impairment of health.

d) One of the eventual results of lead-induced inhibition of enzymes in the heme synthesis pathway is anemia which can be asymptomatic if mild but associated with a wide array of symptoms including dizziness, fatigue, and tachycardia when more severe. Studies have indicated that lead levels as low as 50 $\mu\text{g}/100\text{g}$ can be associated with a definite decreased hemoglobin, although most cases of lead-induced anemia, as well as shortened red-cell survival times, occur at lead levels exceeding 80 $\mu\text{g}/100\text{g}$. Inhibited hemoglobin synthesis is more common in chronic cases whereas shortened erythrocyte life span is more common in acute cases.

e) In lead-induced anemias, there is usually a reticulocytosis along with the presence of basophilic stippling, and ringed sideroblasts, although none of the above are pathognomonic for lead-induced anemia.

(II) Neurological effects.

a) Inorganic lead had been found to have toxic effects on both the central and peripheral nervous systems. The earliest stage of lead-induced central nervous system effects first manifest themselves in the form of behavioral disturbances and central nervous system symptoms including irritability, restlessness, insomnia and other sleep disturbances, fatigue, vertigo, headache, poor memory, tremor, depression, and apathy. With more severe exposure, symptoms can progress to drowsiness, stupor, hallucinations, delirium, convulsions and coma.

b) The most severe and acute form of lead poisoning which usually follows ingestion or inhalation of large amounts of lead is acute encephalopathy which may arise precipitously with the onset of intractable seizures, coma, cardiorespiratory arrest, and death within 48 hours.

c) While there is disagreement about what exposure levels are needed to produce the earliest symptoms, most experts agree that symptoms definitely can occur at blood lead levels of 60 $\mu\text{g}/100\text{g}$ whole blood and therefore recommend a 40 $\mu\text{g}/100\text{g}$ maximum. The central nervous system effects frequently are not reversible following discontinued exposure or chelation therapy and when improvement does occur, it is almost always only partial.

d) The peripheral neuropathy resulting from lead exposure characteristically involves only motor function with minimal sensory damage and has a marked predilection for the extensor muscles of the most active extremity. The peripheral neuropathy can occur with varying degrees of severity. The earliest and mildest form which can be detected in workers with blood lead levels as low as 50 $\mu\text{g}/100\text{g}$ is manifested by slowing or motor nerve conduction velocity often without clinical symptoms. With progression of the

neuropathy there is development of painless extensor muscle weakness usually involving the extensor muscles of the fingers and hand in the most active upper extremity, followed in severe cases by wrist drop, much less commonly, foot drop.

e) In addition to slowing of nerve conduction, electromyographical studies in patients with blood lead levels greater than 50 $\mu\text{g}/100\text{g}$ have demonstrated a decrease in the number of acting motor unit potentials, an increase in the duration of motor unit potentials, and spontaneous pathological activity including fibrillations and fasciculation. Whether these effects occur at levels of 40 $\mu\text{g}/100\text{g}$ is undetermined.

f) While the peripheral neuropathies can occasionally be reversed with therapy, again such recovery is not assured particularly in the more severe neuropathies and often improvement is only partial. The lack of reversibility is felt to be due in part to segmental demyelination.

(III) Gastrointestinal. Lead may also effect the gastrointestinal system producing abdominal colic or diffuse abdominal pain, constipation, obstipation, diarrhea, anorexia, nausea and vomiting. Lead colic rarely develops at blood lead levels below 80 $\mu\text{g}/100\text{g}$.

(IV) Renal.

a) Renal toxicity represents one of the most serious health effects of lead poisoning. In the early stages of disease nuclear inclusion bodies can frequently be identified in proximal renal tubular cells. Renal functions remain normal and the changes in this stage are probably reversible. With more advanced disease there is progressive interstitial fibrosis and impaired renal function. Eventually extensive interstitial fibrosis ensues with sclerotic glomeruli and dilated and atrophied proximal tubules; all represent end stage kidney disease. Azotemia can be progressive, eventually resulting in frank uremia necessitating dialysis. There is occasionally associated hypertension and hyperuricemia with or without gout.

b) Early kidney disease is difficult to detect. The urinalysis is normal in early lead nephropathy and the blood urea nitrogen and serum creatinine increase only when two-thirds of kidney function is lost. Measurement of creatinine clearance can often detect earlier disease as can other methods of measurement of glomerular filtration rate. An abnormal Ca-EDTA mobilization test has been used to differentiate between lead-induced and other nephropathies, but this procedure is not widely accepted. A form of Fanconi syndrome with aminoaciduria, glycosuria, and hyperphosphaturia indicating severe injury to the proximal renal tubules is occasionally seen in children.

(V) Reproductive effects.

a) Exposure to lead can have serious effects on reproductive function in both males and females. In male workers exposed to lead there can be a decrease in sexual drive, impotence, decreased ability to produce healthy sperm, and sterility. Malformed sperm (teratospermia), decreased number of sperm (hypospermia), and sperm with decreased motility (asthenospermia) can occur. Teratospermia has been noted at mean blood lead levels of 53 $\mu\text{g}/100\text{g}$ and hypospermia and asthenospermia at 41 $\mu\text{g}/100\text{g}$. Furthermore, there appears to be a dose-response relationship for teratospermia in lead exposed workers.

b) Women exposed to lead may experience menstrual disturbances including dysmenorrhea, menorrhagia and amenorrhea. Following exposure to lead, women have a higher frequency of sterility, premature births, spontaneous miscarriages, and stillbirths.

c) Germ cells can be affected by lead and cause genetic damage in the egg or sperm cells before conception and result in failure to implant, miscarriage, stillbirth, or birth defects.

d) Infants of mothers with lead poisoning have a higher mortality during the first year and suffer from lowered birth weights, slower growth, and nervous system disorders.

e) Lead can pass through the placental barrier and lead levels in the mother's blood are comparable to concentrations of lead in the umbilical cord at birth. Transplacental passage becomes detectable at twelve-fourteen weeks of gestation and increases until birth.

f) There is little direct data on damage to the fetus from exposure to lead but it is generally assumed that the fetus and newborn would be at least as susceptible to neurological damage as young children. Blood lead levels of 50-60 $\mu\text{g}/100\text{g}$ in children can cause significant neurobehavioral impairments, and there is evidence of hyperactivity at blood levels as low as 25 $\mu\text{g}/100\text{g}$. Given the overall body of literature concerning the adverse health effects of lead in children, WISHA feels that the blood lead level in children should be maintained below 30 $\mu\text{g}/100\text{g}$ with a population mean of 15 $\mu\text{g}/100\text{g}$. Blood lead levels in the fetus and newborn likewise should not exceed 30 $\mu\text{g}/100\text{g}$.

g) Because of lead's ability to pass through the placental barrier and also because of the demonstrated adverse effects of lead on reproductive function in both males and females as well as the risk of genetic damage of lead on both the ovum and sperm, WISHA recommends a 30 $\mu\text{g}/100\text{g}$ maximum permissible blood lead level in both males and females who wish to bear children.

(VI) Other toxic effects.

a) Debate and research continue on the effects of lead on the human body. Hypertension has frequently been noted in occupationally exposed individuals although it is difficult to assess whether this is due to lead's adverse effects on the kidneys or if some other mechanism is involved.

b) Vascular and electrocardiographic changes have been detected but have not been well characterized. Lead is thought to impair thyroid function and interfere with the pituitary-adrenal axis, but again these effects have not been well defined.

(iv) Medical evaluation.

(A) The most important principle in evaluating a worker for any occupational disease including lead poisoning is a high index of suspicion on the part of the examining physician. As discussed in Section (ii), lead can affect numerous organ systems and produce a wide array of signs and symptoms, most of which are nonspecific and subtle in nature at least in the early stages of disease. Unless serious concern for lead toxicity is present, many of the early clues to diagnosis may easily be overlooked.

(B) The crucial initial step in the medical evaluation is recognizing that a worker's employment can result in exposure to lead. The worker will frequently be able to define exposures to lead and lead-containing materials but often will

not volunteer this information unless specifically asked. In other situations the worker may not know of any exposures to lead but the suspicion might be raised on the part of the physician because of the industry or occupation of the worker. Potential occupational exposure to lead and its compounds occur in at least one twenty occupations, including lead smelting, the manufacture of lead storage batteries, the manufacture of lead pigments and products containing pigments, solder manufacture, shipbuilding and ship repair, auto manufacturing, construction, and painting.

(C) Once the possibility for lead exposure is raised, the focus can then be directed toward eliciting information from the medical history, physical exam, and finally from laboratory data to evaluate the worker for potential lead toxicity.

(D) A complete and detailed work history is important in the initial evaluation. A listing of all previous employment with information on work processes, exposure to fumes or dust, known exposures to lead or other toxic substances, respiratory protection used, and previous medical surveillance should all be included in the worker's record. Where exposure to lead is suspected, information concerning on-the-job personal hygiene, smoking or eating habits in work areas, laundry procedures, and use of any protective clothing or respiratory protection equipment should be noted. A complete work history is essential in the medical evaluation of a worker with suspected lead toxicity, especially when long-term effects such as neurotoxicity and nephrotoxicity are considered.

(E) The medical history is also of fundamental importance and should include a listing of all past and current medical conditions, current medications including proprietary drug intake, previous surgeries and hospitalizations, allergies, smoking history, alcohol consumption, and also nonoccupational lead exposures such as hobbies (hunting, riflery). Also known childhood exposures should be elicited. Any previous history of hematological, neurological, gastrointestinal, renal, psychological, gynecological, genetic, or reproductive problems should be specifically noted.

(F) A careful and complete review of systems must be performed to assess both recognized complaints and subtle or slowly acquired symptoms which the worker might not appreciate as being significant. The review of symptoms should include the following:

- General - weight loss, fatigue, decreased appetite.
- Head, Eyes, Ears, Nose, Throat (HEENT) - headaches, visual disturbance or decreased visual acuity, hearing deficits or tinnitus, pigmentation of the oral mucosa, or metallic taste in mouth.
- Cardiopulmonary - shortness of breath, cough, chest pains, palpitations, or orthopnea.
- Gastrointestinal - nausea, vomiting, heartburn, abdominal pain, constipation or diarrhea.

- Neurologic - irritability, insomnia, weakness (fatigue), dizziness, loss of memory, confusion, hallucinations, incoordination, ataxia, decreased strength in hands or feet, disturbance in gait, difficulty in climbing stairs, or seizures.
- Hematologic - pallor, easy fatigability, abnormal blood loss, melena.
- Reproductive (male or female and spouse where relevant) - history of infertility, impotence, loss of libido, abnormal menstrual periods, history of miscarriages, stillbirths, or children with birth defects.
- Musculoskeletal - muscle and joint pains.

(G) The physical examination should emphasize the neurological, gastrointestinal, and cardiovascular systems. The worker's weight and blood pressure should be recorded and the oral mucosa checked for pigmentation characteristic of a possible Burtonian or lead line on the gingiva. It should be noted, however, that the lead line may not be present even in severe lead poisoning if good oral hygiene is practiced.

(H) The presence of pallor on skin examination may indicate an anemia, which if severe might also be associated with a tachycardia. If an anemia is suspected, an active search for blood loss should be undertaken including potential blood loss through the gastrointestinal tract.

(I) A complete neurological examination should include an adequate mental status evaluation including a search for behavioral and psychological disturbances, memory testing, evaluation for irritability, insomnia, hallucinations, and mental clouding. Gait and coordination should be examined along with close observation for tremor. A detailed evaluation of peripheral nerve function including careful sensory and motor function testing is warranted. Strength testing particularly of extensor muscle groups of all extremities is of fundamental importance.

(J) Cranial nerve evaluation should also be included in the routine examination.

(K) The abdominal examination should include auscultation for bowel sounds and abnormal bruits and palpation for organomegaly, masses, and diffuse abdominal tenderness.

(L) Cardiovascular examination should evaluate possible early signs of congestive heart failure. Pulmonary status should be addressed particularly if respirator protection is contemplated.

(M) As part of the medical evaluation, the lead standard requires the following laboratory studies.

- (I) Blood lead level.
- (II) Hemoglobin and hematocrit determinations, red cell indices, and examination of the peripheral blood smear to evaluate red blood cell morphology.
- (III) Blood urea nitrogen.
- (IV) Serum creatinine.
- (V) Routine urinalysis with microscopic examination.
- (VI) A zinc protoporphyrin level.

(N) In addition to the above, the physician is authorized to order any further laboratory or other tests which he or she deems necessary in accordance with sound medical practice. The evaluation must also include pregnancy testing or laboratory evaluation of male fertility if requested by the employee.

(O) Additional tests which are probably not warranted on a routine basis but may be appropriate when blood lead and ZPP levels are equivocal include delta aminolevulinic acid and coproporphyrin concentrations in the urine, and dark-field illumination for detection of basophilic stippling in red blood cells.

(P) If an anemia is detected further studies including a careful examination of the peripheral smear, reticulocyte count, stool for occult blood, serum iron, total iron binding capacity, bilirubin, and, if appropriate vitamin B12 and folate may be of value in attempting to identify the cause of the anemia.

(Q) If a peripheral neuropathy is suspected, nerve conduction studies are warranted both for diagnosis and as a basis to monitor any therapy.

(R) If renal disease is questioned, a twenty-four-hour urine collection for creatinine clearance, protein, and electrolytes may be indicated. Elevated uric acid levels may result from lead-induced renal disease and a serum uric acid level might be performed.

(S) An electrocardiogram and chest X ray may be obtained as deemed appropriate.

(T) Sophisticated and highly specialized testing should not be done routinely and where indicated should be under the direction of a specialist.

(v) Laboratory evaluation.

(A) The blood level at present remains the single most important test to monitor lead exposure and is the test used in the medical surveillance program under the lead standard to guide employee medical removal. The ZPP has several advantages over the blood lead level. Because of its relatively recent development and the lack of extensive data concerning its interpretation, the ZPP currently remains an ancillary test.

(B) This section will discuss the blood lead level and ZPP in detail and will outline their relative advantages and disadvantages. Other blood tests currently available to evaluate lead exposure will also be reviewed.

(C) The blood lead level is a good index of current or recent lead absorption when there is no anemia present and when the worker has not taken any chelating agents. However, blood lead levels along with urinary lead levels do not necessarily indicate the total body burden of lead and are not adequate measures of past exposure. One reason for this is that lead has a high affinity for bone and up to ninety percent of the body's total lead is deposited there. A very important component of the total lead body burden is lead in soft tissue (liver, kidneys, and brain). This fraction of the lead body burden, the biologically active lead, is not entirely reflected by blood lead levels since it is a function of the dynamics of lead absorption, distribution, deposition in bone and excretion. Following discontinuation of exposure to lead, the excess body burden is only slowly mobilized from bone and other relatively stable stores and excreted. Consequently, a high blood lead level may only represent recent heavy exposure to lead without a significant total body excess and likewise a

low blood lead level does not exclude an elevated total body burden of lead.

(D) Also due to its correlation with recent exposures, the blood lead level may vary considerably over short time intervals.

(E) To minimize laboratory error and erroneous results due to contamination, blood specimens must be carefully collected after thorough cleaning of the skin with appropriate methods using lead-free containers and analyzed by a reliable laboratory. Under the standard, samples must be analyzed in laboratories which are approved by the Center for Disease Control (CDC) or which have received satisfactory grades in proficiency testing by the CDC in the previous year. Analysis is to be made using atomic absorption spectrophotometry anodic stripping; voltammetry or any method which meets the accuracy requirements set forth by the standard.

(F) The determination of lead in urine is generally considered a less reliable monitoring technique than analysis of whole blood primarily due to individual variability in urinary excretion capacity as well as the technical difficulty of obtaining accurate twenty-four hour urine collections. In addition, workers with renal insufficiency, whether due to lead or some other cause, may have decreased lead clearance and consequently urine lead levels may underestimate the true lead burden. Therefore, urine lead levels should not be used as a routine test.

(G) The zinc protoporphyrin test, unlike the blood lead determination, measures an adverse metabolic effect of lead and as such is a better indicator of lead toxicity than the level of blood lead itself. The level of ZPP reflects lead absorption over the preceding three to four months, and therefore is a better indicator of lead body burden. The ZPP requires more time than the blood lead to read significantly elevated levels; the return to normal after discontinuing lead exposure is also slower. Furthermore, the ZPP test is simpler, faster, and less expensive to perform and no contamination is possible. Many investigators believe it is the most reliable means of monitoring chronic lead absorption.

(H) Zinc protoporphyrin results from the inhibition of the enzyme ferrochelatase which catalyzes the insertion of an iron molecule into the protoporphyrin molecule, which then becomes heme. If iron is not inserted into the molecule then zinc, having a greater affinity for protoporphyrin, takes place in the iron, forming ZPP.

(I) An elevation in the level of circulating ZPP may occur at blood lead levels as low as 20-30 $\mu\text{g}/100\text{g}$ in some workers. Once the blood lead level has reached 40 $\mu\text{g}/100\text{g}$ there is more marked rise in the ZPP value from its normal range of less than 100 $\mu\text{g}/100\text{ml}$. Increases in blood lead levels beyond 40 $\mu\text{g}/100\text{g}$ are associated with exponential increases in ZPP.

(J) Whereas blood lead levels fluctuate over short time spans, ZPP levels remain relatively stable. ZPP is measured directly in red blood cells and is present for the cell's entire one hundred twenty day lifespan. Therefore, the ZPP level in blood reflects the average ZPP production over the previous three to four months and consequently the average lead exposure during that time interval.

(K) It is recommended that a hematocrit be determined whenever a confirmed ZPP of 50 $\mu\text{g}/100\text{ml}$ whole blood is

obtained to rule out a significant underlying anemia. If the ZPP is in excess of 100 $\mu\text{g}/100\text{ml}$ and not associated with abnormal elevations in blood lead levels, the laboratory should be checked to be sure the blood leads were determined using atomic absorption spectrophotometry, anodic stripping voltammetry or any method which meets the accuracy requirements set forth by the standard, by a CDC approved laboratory which is experienced in lead level determinations. Repeat periodic blood lead studies should be obtained in all individuals with elevated ZPP levels to be certain that an associated elevated blood lead level has not been missed due to transient fluctuations in blood leads.

(L) ZPP has characteristic fluorescence spectrum with a peak at 594nm which is detectable with a hematofluorimeter. The hematofluorimeter is accurate and portable and can provide on-site, instantaneous results for workers who can be frequently tested via a finger prick.

(M) However, careful attention must be given to calibration and quality control procedures. Limited data on blood lead -ZPP correlations and the ZPP levels which are associated with the adverse health effects discussed in item (ii) are the major limitations of the test. Also it is difficult to correlate ZPP levels with environmental exposure and there is some variation of response with age and sex. Nevertheless, the ZPP promises to be an important diagnostic test for the early detection of lead toxicity and its value will increase as more data is collected regarding its relationship to other manifestations of lead poisoning.

(N) Levels of delta-aminolevulinic acid (ALA) in the urine are also used as a measure of lead exposure. Increasing concentrations of ALA are believed to result from the inhibition of the enzyme delta-aminolevulinic acid dehydrase (ALA-D). Although the test is relatively easy to perform, inexpensive, and rapid, the disadvantages include variability in results, the necessity to collect a complete twenty-four hour urine sample which has a specific gravity greater than 1.010, and also the fact that ALA decomposes in the presence of light.

(O) The pattern of porphyrin excretion in the urine can also be helpful in identifying lead intoxication. With lead poisoning, the urine concentrations of coproporphyrins I and II, porphobilinogen and uroporphyrin I rise. The most important increase, however, is that of coproporphyrin III; levels may exceed 5,000 $\mu\text{g}/1$ in the urine in lead poisoned individuals, but its correlation with blood lead levels and ZPP are not as good as those of ALA. Increases in urinary porphyrins are not diagnostic of lead toxicity and may be seen in porphyria, some liver diseases, and in patients with high reticulocyte counts.

(vi) Summary.

(A) The WISHA standard for inorganic lead places significant emphasis on the medical surveillance of all workers exposed to levels of inorganic lead above the action level of 30 $\mu\text{g}/\text{m}^3$ TWA. The physician has a fundamental role in this surveillance program, and in the operation of the medical removal protection program.

(B) Even with adequate worker education on the adverse health effects of lead and appropriate training in work practices, personal hygiene and other control measures, the physician has a primary responsibility for evaluating potential lead

toxicity in the worker. It is only through a careful and detailed medical and work history, a complete physical examination and appropriate laboratory testing that an accurate assessment can be made. Many of the adverse health effects of lead toxicity are either irreversible or only partially reversible and therefore early detection of disease is very important.

(C) This document outlines the medical monitoring program as defined by the occupational safety and health standard for inorganic lead. It reviews the adverse health effects of lead poisoning and describes the important elements of the history and physical examinations as they relate to these adverse effects.

(D) It is hoped that this review and discussion will give the physician a better understanding of the WISHA standard with the ultimate goal of protecting the health and well-being of the worker exposed to lead under his or her care.

(d) Appendix D. Recommendations to employers concerning high-risk tasks (nonmandatory).

The department advises employers that the following tasks have a high risk for lead overexposure (this list is not complete; other tasks also can result in lead over-exposure):

- Any open flame operation involving lead-containing solder in a manner producing molten solder, including the manufacture or repair of motor vehicle radiators;
- Sanding, cutting or grinding of lead-containing solder;
- Breaking, recycling or manufacture of lead-containing batteries;
- Casting objects using lead, brass, or lead-containing alloys;
- Where lead-containing coatings or paints are present:
 - abrasive blasting
 - welding
 - cutting
 - torch burning
 - manual demolition of structures
 - manual scraping
 - manual sanding
 - heat gun applications
 - power tool cleaning
 - rivet busting
 - clean-up activities where dry expendable abrasives are used
 - abrasive blasting enclosure movement and removal;
- Spray-painting with lead-containing paint;
- Using lead-containing mortar;
- Lead burning;
- Operation or cleaning of shooting facilities where lead bullets are used;
- Formulation or processing of lead-containing pigments or paints;
- Cutting, burning, or melting of lead-containing materials.

The department recommends that annual blood lead testing be offered to all employees potentially overexposed to lead, including those performing the tasks listed above, regardless of air lead levels. Research has shown that air lead levels often do not accurately predict workers' lead overexposure. The blood lead testing will provide the most information if performed during a period of peak lead exposure.

Employers should be aware that the United States Public Health Service has set a goal of eliminating occupational exposures which result in whole blood lead levels of 25 µg/dl or greater. This goal should guide whether employees' blood lead levels indicate lead overexposure.

If blood lead levels are elevated in an employee performing a task associated with lead overexposure, employers should assess the maintenance and effectiveness of exposure controls, hygiene facilities, respiratory protection program, the employee's work practices and personal hygiene, and the employee's respirator use, if any. If a deficiency exists in any of these areas, the employer should correct the problem.

AMENDATORY SECTION (Amending WSR 07-05-072, filed 2/20/07, effective 4/1/07)

WAC 296-62-07615 Respiratory protection. (1) General. For employees who use respirators required by this section, the employer must provide ~~((respirators that comply))~~ each employee an appropriate respirator that complies with the requirements of this subsection. Respirators must be used during:

- (a) Periods necessary to install or implement feasible engineering and work-practice controls;
- (b) Work operations for which the employer establishes that engineering and work-practice controls are not feasible;
- (c) Work operations for which feasible engineering and work-practice controls are not yet sufficient to reduce exposure to or below the PEL;
- (d) Emergencies.

(2) Respirator program. The employer must develop, implement and maintain a respiratory protection program as required by chapter 296-842 WAC, Respirators, which covers each employee required by this chapter to use a respirator.

(3) Respirator selection.

(a) The employer must select and provide to employees appropriate respirators as specified in this section and WAC 296-842-13005 in the respirator rule.

(b) Any employee who cannot use a negative-pressure respirator must be given the option of using a positive-pressure respirator, or a supplied-air respirator operated in the continuous-flow or pressure-demand mode.

(c) Provide HEPA filters or N-, R-, or P-100 filters for powered air-purifying respirators (PAPRs) and negative-pressure air-purifying respirators.

(d) Provide to employees, for escape, one of the following respirator options:

(i) Any self-contained breathing apparatus with a full-facepiece or hood, operated in the positive-pressure or continuous-flow mode

OR

(ii) A full-facepiece air-purifying respirator.

(e) Provide a combination HEPA filter (or N-, R-, or P-100 filter) and organic vapor canister or cartridge with air-purifying respirators when MDA is in liquid form or used as part of a process requiring heat.

AMENDATORY SECTION (Amending WSR 07-05-072, filed 2/20/07, effective 4/1/07)

WAC 296-62-07715 Respiratory protection. (1) General. For employees who use respirators required by WAC 296-62-077 through 296-62-07747, the employer must provide each employee an appropriate respirator((s)) that ((comply)) complies with the requirements of this section. Respirators must be used during:

(a) Periods necessary to install or implement feasible engineering and work-practice controls;

(b) Work operations, such as maintenance and repair activities, for which engineering and work-practice controls are not feasible;

(c) Work operations for which feasible engineering and work-practice controls are not yet sufficient to reduce employee exposure to or below the permissible exposure limits;

(d) Emergencies;

(e) Work operations in all regulated areas, except for construction activities which follow requirements set forth in WAC 296-62-07715 (1)(g);

(f) Work operations whenever employee exposure exceeds the permissible exposure limits;

(g) The following construction activities:

(i) Class I asbestos work;

(ii) Class II work where the ACM is not removed in a substantially intact state;

(iii) Class II and Class III work which is not performed using wet methods, except for removal of ACM from sloped roofs when a negative-exposure assessment has been made and the ACM is removed in an intact state;

(iv) Class II and Class III asbestos work for which a negative-exposure assessment has not been conducted;

(v) Class III work when TSI or surfacing ACM or PACM is being disturbed;

(vi) Class IV work performed within regulated areas where employees who are performing other work are required to wear respirators.

(2) Respirator program.

(a) The employer must develop, implement and maintain a respiratory protection program as required by chapter 296-842 WAC, Respirators, which covers each employee required by this chapter to use a respirator.

(b) Employers must provide an employee with a tight-fitting, powered, air-purifying respirator (PAPR) instead of a negative-pressure respirator selected when an employee chooses to use a PAPR and the respirator provides the required protection to the employee.

(c) The employer must inform any employee required to wear a respirator under this section that the employee may require the employer to provide a tight-fitting, powered, air-purifying respirator (PAPR) instead of a negative-pressure respirator.

(d) No employee must be assigned to tasks requiring the use of respirators if, based on their most recent medical examination, the examining physician determines that the employee will be unable to function normally using a respirator, or that the safety or health of the employee or other employees will be impaired by the use of a respirator. Such employees must be assigned to another job or given the

opportunity to transfer to a different position, the duties of which they can perform. If such a transfer position is available, the position must be with the same employer, in the same geographical area, and with the same seniority, status, and rate of pay the employee had just prior to such transfer.

(3) Respirator selection. The employer must:

(a) Select and provide to employees appropriate respirators as specified in this section, and in WAC 296-842-13005, in the respirator rule.

Make sure filtering facepiece respirators are not selected or used for protection against asbestos fibers.

(b) Provide employees with an air-purifying, half-facepiece respirator, other than a filtering-facepiece respirator, that is equipped with a HEPA filter or an N-, R-, or P-100 series filter whenever the employee performs:

(i) Class II and III asbestos work for which no negative-exposure assessment is available;

(ii) Class III asbestos work involving disturbances of TSI or surfacing ACM or PACM.

(c) Equip any powered air-purifying respirator (PAPR) or negative pressure air-purifying respirator with HEPA filters or N-, R-, or P-100 series filters.

(4) Special respiratory protection requirements.

(a) Unless specifically identified in this subsection, respirator selection for asbestos removal, demolition, and renovation operations shall be in accordance with the selection specifications of this section and the general selection requirements in WAC 296-842-13005, found in the respirator rule. The employer must provide and require to be worn, at no cost to the employee, a full facepiece supplied-air respirator operated in the pressure demand mode equipped with either an auxiliary positive pressure self-contained breathing apparatus or a HEPA filter egress cartridge, to employees engaged in the following asbestos operations:

(i) Inside negative pressure enclosures used for removal, demolition, and renovation of friable asbestos from walls, ceilings, vessels, ventilation ducts, elevator shafts, and other structural members, but does not include pipes or piping systems; or

(ii) Any dry removal of asbestos.

(b) For all Class I work excluded or not specified in (a)(i) and (ii) of this subsection, when a negative-exposure assessment is not available, and the exposure assessment indicates the exposure level will be at or below 1 f/cc as an 8-hour time weighted average, employers must provide employees with one of the following respirators:

(i) A tight-fitting, powered, air-purifying respirator equipped with high-efficiency filters;

(ii) A full-facepiece supplied-air respirator operated in the pressure-demand mode equipped with either HEPA egress cartridges; or

(iii) An auxiliary positive-pressure, self-contained breathing apparatus.

(c) Whenever the employees are in a regulated area performing Class I asbestos work for which a negative exposure assessment is not available, and an exposure assessment indicates that the exposure level will be above 1 f/cc as an 8-hour TWA, employers must provide a full facepiece supplied-air respirator operated in the pressure-demand mode equipped

with an auxiliary positive-pressure self-contained breathing apparatus.

EXCEPTION: In lieu of the supplied-air respirator required by subsection (4) of this section, an employer may provide and require to be worn, at no cost to the employee, a full facepiece supplied-air respirator operated in the continuous flow mode equipped with either an auxiliary positive pressure self-contained breathing apparatus or a back-up HEPA filter egress cartridge where daily and historical personal monitoring data indicates the concentration of asbestos fibers is not reasonably expected to exceed 10 f/cc. The continuous flow respirator shall be operated at a minimum air flow rate of six cubic feet per minute at the facepiece using respirable air supplied as required by chapter 296-842 WAC, Respirators.

(5) Respirator fit testing.

(a) For each employee wearing negative pressure respirators, employers shall perform either quantitative or qualitative face fit tests at the time of initial fitting and at least annually thereafter. The qualitative fit tests may be used only for testing the fit of half-mask respirators where they are permitted to be worn.

(b) Any supplied-air respirator facepiece equipped with a back-up HEPA filter egress cartridge shall be quantitatively fit tested (see WAC 296-62-07160 through 296-62-07162 and 296-62-07201 through 296-62-07248).

AMENDATORY SECTION (Amending WSR 06-16-106, filed 8/1/06, effective 9/1/06)

WAC 296-62-08015 Respiratory protection. (1) General. (~~The employer shall provide respiratory protection for employees during:~~) Where respiratory protection is required by this section, the employer must provide each employee an appropriate respirator that complies with the requirements of this chapter. Respiratory protection is required during:

(a) Periods necessary to install or implement feasible engineering and work practice controls;

(b) Work operations, such as maintenance and repair activities, for which engineering and work practice controls are not feasible;

(c) Work operations for which an employer has implemented all feasible engineering and work practice controls and such controls are not sufficient to reduce exposures to or below the PEL;

(d) Work operations where employees are exposed above the PEL for fewer than thirty days per year, and the employer has elected not to implement engineering and work practice controls to achieve the PEL; or

(e) Emergencies.

(2) Respiratory protection program. Where respirator use is required by this section, the employer shall institute a respiratory protection program in accordance with chapter 296-842 WAC, Respirators, which covers each employee required to use a respirator.

AMENDATORY SECTION (Amending WSR 07-05-072, filed 2/20/07, effective 4/1/07)

WAC 296-62-14533 Cotton dust. (1) Scope and application.

(a) This section, in its entirety, applies to the control of employee exposure to cotton dust in all workplaces where employees engage in yarn manufacturing, engage in slashing and weaving operations, or work in waste houses for textile operations.

(b) This section does not apply to the handling or processing of woven or knitted materials; to maritime operations covered by chapters 296-56 and 296-304 WAC; to harvesting or ginning of cotton; or to the construction industry.

(c) Only subsection (8) Medical surveillance, subsection (11)(b) Medical surveillance, subsection (11)(c) Availability, subsection (11)(d) Transfer of records, and Appendices B, C, and D of this section apply in all work places where employees exposed to cotton dust engage in cottonseed processing or waste processing operations.

(d) This section applies to yarn manufacturing and slashing and weaving operations exclusively using washed cotton (as defined by subsection (14) of this section) only to the extent specified by subsection (14) of this section.

(e) This section, in its entirety, applies to the control of all employees exposure to the cotton dust generated in the preparation of washed cotton from opening until the cotton is thoroughly wetted.

(f) This section does not apply to knitting, classing or warehousing operations except that employers with these operations, if requested by WISHA, shall grant WISHA access to their employees and workplaces for exposure monitoring and medical examinations for purposes of a health study to be performed by WISHA on a sampling basis.

(2) Definitions applicable to this section:

(a) "Blow down" - the cleaning of equipment and surfaces with compressed air.

(b) "Blow off" - the use of compressed air for cleaning of short duration and usually for a specific machine or any portion of a machine.

(c) "Cotton dust" - dust present in the air during the handling or processing of cotton, which may contain a mixture of many substances including ground-up plant matter, fiber, bacteria, fungi, soil, pesticides, noncotton plant matter and other contaminants which may have accumulated with the cotton during the growing, harvesting and subsequent processing or storage periods. Any dust present during the handling and processing of cotton through the weaving or knitting of fabrics, and dust present in other operations or manufacturing processes using raw or waste cotton fibers or cotton fiber by-products from textile mills are considered cotton dust within this definition. Lubricating oil mist associated with weaving operations is not considered cotton dust.

(d) "Director" - the director of labor and industries or his authorized representative.

(e) "Equivalent instrument" - a cotton dust sampling device that meets the vertical elutriator equivalency requirements as described in subsection (4)(a)(iii) of this section.

(f) "Lint-free respirable cotton dust" - particles of cotton dust of approximately 15 microns or less aerodynamic equivalent diameter.

(g) "Vertical elutriator cotton dust sampler" or "vertical elutriator" - a dust sampler which has a particle size cut-off at approximately 15 microns aerodynamic equivalent diameter when operating at the flow rate of 7.4 ± 0.2 liters per minute.

(h) "Waste processing" - waste recycling (sorting, blending, cleaning and willowing) and garnetting.

(i) "Yarn manufacturing" - all textile mill operations from opening to, but not including, slashing and weaving.

(3) Permissible exposure limits and action levels.

(a) Permissible exposure limits (PEL).

(i) The employer shall assure that no employee who is exposed to cotton dust in yarn manufacturing and cotton washing operations is exposed to airborne concentrations of lint-free respirable cotton dust greater than $200 \mu\text{g}/\text{m}^3$ mean concentration, averaged over an eight-hour period, as measured by a vertical elutriator or an equivalent instrument.

(ii) The employer shall assure that no employee who is exposed to cotton dust in textile mill waste house operations or is exposed in yarn manufacturing to dust from "lower grade washed cotton" as defined in subsection (14)(e) of this section is exposed to airborne concentrations of lint-free respirable cotton dust greater than $500 \mu\text{g}/\text{m}^3$ mean concentration, averaged over an eight-hour period, as measured by a vertical elutriator or an equivalent instrument.

(iii) The employer shall assure that no employee who is exposed to cotton dust in the textile processes known as slashing and weaving is exposed to airborne concentrations of lint-free respirable cotton dust greater than $750 \mu\text{g}/\text{m}^3$ mean concentration, averaged over an eight-hour period, as measured by a vertical elutriator or an equivalent instrument.

(b) Action levels.

(i) The action level for yarn manufacturing and cotton washing operations is an airborne concentration of lint-free respirable cotton dust of $100 \mu\text{g}/\text{m}^3$ mean concentration, averaged over an eight-hour period, as measured by a vertical elutriator or an equivalent instrument.

(ii) The action level for waste houses for textile operations is an airborne concentration of lint-free respirable cotton dust of $250 \mu\text{g}/\text{m}^3$ mean concentration, averaged over an eight-hour period, as measured by a vertical elutriator or an equivalent instrument.

(iii) The action level for the textile processes known as slashing and weaving is an airborne concentration of lint-free respirable cotton dust of $375 \mu\text{g}/\text{m}^3$ mean concentration, averaged over an eight-hour period, as measured by a vertical elutriator or an equivalent instrument.

(4) Exposure monitoring and measurement.

(a) General.

(i) For the purposes of this section, employee exposure is that exposure which would occur if the employee were not using a respirator.

(ii) The sampling device to be used shall be either the vertical elutriator cotton dust sampler or an equivalent instrument.

(iii) If an alternative to the vertical elutriator cotton dust sampler is used, the employer shall establish equivalency by demonstrating that the alternative sampling devices:

(A) It collects respirable particulates in the same range as the vertical elutriator (approximately 15 microns);

(B) Replicate exposure data used to establish equivalency are collected in side-by-side field and laboratory comparisons; and

(C) A minimum of 100 samples over the range of 0.5 to 2 times the permissible exposure limit are collected, and

ninety percent of these samples have an accuracy range of plus or minus twenty-five percent of the vertical elutriator reading with a ninety-five percent confidence level as demonstrated by a statistically valid protocol. (An acceptable protocol for demonstrating equivalency is described in Appendix E of this section.)

(iv) WISHA will issue a written opinion stating that an instrument is equivalent to a vertical elutriator cotton dust sampler if:

(A) A manufacturer or employer requests an opinion in writing and supplies the following information:

(I) Sufficient test data to demonstrate that the instrument meets the requirements specified in this paragraph and the protocol specified in Appendix E of this section;

(II) Any other relevant information about the instrument and its testing requested by WISHA; and

(III) A certification by the manufacturer or employer that the information supplied is accurate, and

(B) If WISHA finds, based on information submitted about the instrument, that the instrument meets the requirements for equivalency specified by this subsection.

(b) Initial monitoring. Each employer who has a place of employment within the scope of subsections (1)(a), (d) or (e) of this section shall conduct monitoring by obtaining measurements which are representative of the exposure of all employees to airborne concentrations of lint-free respirable cotton dust over an eight-hour period. The sampling program shall include at least one determination during each shift for each work area.

(c) Periodic monitoring.

(i) If the initial monitoring required by (4)(b) of this section or any subsequent monitoring reveals employee exposure to be at or below the permissible exposure limit, the employer shall repeat the monitoring for those employees at least annually.

(ii) If the initial monitoring required by (4)(b) of this section or any subsequent monitoring reveals employee exposure to be above the PEL, the employer shall repeat the monitoring for those employees at least every six months.

(iii) Whenever there has been a production, process, or control change which may result in new or additional exposure to cotton dust, or whenever the employer has any other reason to suspect an increase in employee exposure, the employer shall repeat the monitoring and measurements for those employees affected by the change or increase.

(d) Employee notification.

(i) Within fifteen working days after the receipt of monitoring results, the employer shall notify each employee in writing of the exposure measurements which represent that employee's exposure.

(ii) Whenever the results indicate that the employee's exposure exceeds the applicable permissible exposure limit specified in subsection (3) of this section, the employer shall include in the written notice a statement that the permissible exposure limit was exceeded and a description of the corrective action taken to reduce exposure below the permissible exposure limit.

(5) Methods of compliance.

(a) Engineering and work practice controls. The employer shall institute engineering and work practice con-

trols to reduce and maintain employee exposure to cotton dust at or below the permissible exposure limit specified in subsection (3) of this section, except to the extent that the employer can establish that such controls are not feasible.

(b) Whenever feasible engineering and work practice controls are not sufficient to reduce employee exposure to or below the permissible exposure limit, the employer shall nonetheless institute these controls to immediately reduce exposure to the lowest feasible level, and shall supplement these controls with the use of respirators which shall comply with the provisions of subsection (6) of this section.

(c) Compliance program.

(i) Where the most recent exposure monitoring data indicates that any employee is exposed to cotton dust levels greater than the permissible exposure limit, the employer shall establish and implement a written program sufficient to reduce exposures to or below the permissible exposure limit solely by means of engineering controls and work practices as required by (a) of this subsection.

(ii) The written program shall include at least the following:

(A) A description of each operation or process resulting in employee exposure to cotton dust;

(B) Engineering plans and other studies used to determine the controls for each process;

(C) A report of the technology considered in meeting the permissible exposure limit;

(D) Monitoring data obtained in accordance with subsection (4) of this section;

(E) A detailed schedule for development and implementation of engineering and work practice controls, including exposure levels projected to be achieved by such controls;

(F) Work practice program; and

(G) Other relevant information.

(iii) The employer's schedule as set forth in the compliance program, shall project completion of the implementation of the compliance program no later than March 27, 1984 or as soon as possible if monitoring after March 27, 1984 reveals exposures over the PEL, except as provided in (13)(b)(ii)(B) of this section.

(iv) The employer shall complete the steps set forth in his program by the dates in the schedule.

(v) Written programs shall be submitted, upon request, to the director, and shall be available at the worksite for examination and copying by the director, and any affected employee or their designated representatives.

(vi) The written programs required under subsection (5)(c) of this section shall be revised and updated at least every six months to reflect the current status of the program and current exposure levels.

(d) Mechanical ventilation. When mechanical ventilation is used to control exposure, measurements which demonstrate the effectiveness of the system to control exposure, such as capture velocity, duct velocity, or static pressure shall be made at reasonable intervals.

(6) Use of respirators.

(a) General. For employees who are required to use respirators by this section, the employer must provide ~~((respirators that comply))~~ each employee an appropriate respirator

that complies with the requirements of this section. Respirators must be used during:

(i) Periods necessary to install or implement feasible engineering controls and work-practice controls;

(ii) Maintenance and repair activities for which engineering and work-practice controls are not feasible;

(iii) Work operations for which feasible engineering and work-practice controls are not yet sufficient to reduce employee exposure to or below the permissible exposure limits;

(iv) Work operations specified under subsection (7)(a) of this section;

(v) Periods for which an employee requests a respirator.

(b) Respirator program.

(i) The employer must develop, implement and maintain a respiratory protection program as required by chapter 296-842 WAC, Respirators, which covers each employee required by this chapter to use a respirator.

(ii) Whenever a physician determines that an employee who works in an area in which the cotton-dust concentration exceeds the PEL is unable to use a respirator, including a powered air-purifying respirator, the employee must be given the opportunity to transfer to an available position, or to a position that becomes available later, that has a cotton-dust concentration at or below the PEL. The employer must ensure that such employees retain their current wage rate or other benefits as a result of the transfer.

(c) Respirator selection. The employer must:

(i) Select and provide to employees the appropriate respirators by following requirements in this section and WAC 296-842-13005, found in the respirator rule.

(ii) Provide employees with a powered air-purifying respirator (PAPR) when the employee chooses to use a PAPR instead of a negative-pressure air-purifying respirator, and the PAPR will provide adequate protection.

(iii) Limit the use of filtering facepiece respirators for protection against cotton dust to concentrations less than or equal to five times (5x) the PEL.

(iv) Provide high-efficiency particulate air (HEPA) filters or N-, R-, or P-100 series filters for powered air-purifying respirators (PAPRs) and negative-pressure air-purifying respirators when used in cotton dust concentrations greater than ten times (10x) the PEL.

(7) Work practices. Each employer shall, regardless of the level of employee exposure, immediately establish and implement a written program of work practices which shall minimize cotton dust exposure. The following shall be included where applicable:

(a) Compressed air "blow down" cleaning shall be prohibited, where alternative means are feasible. Where compressed air is used for cleaning, the employees performing the "blow down" or "blow off" shall wear suitable respirators. Employees whose presence is not required to perform "blow down" or "blow off" shall be required to leave the area affected by the "blow down" or "blow off" during this cleaning operation.

(b) Cleaning of clothing or floors with compressed air shall be prohibited.

(c) Floor sweeping shall be performed with a vacuum or with methods designed to minimize dispersal of dust.

(d) In areas where employees are exposed to concentrations of cotton dust greater than the permissible exposure limit, cotton and cotton waste shall be stacked, sorted, baled, dumped, removed or otherwise handled by mechanical means, except where the employer can show that it is infeasible to do so. Where infeasible, the method used for handling cotton and cotton waste shall be the method which reduces exposure to the lowest level feasible.

(8) Medical surveillance.

(a) General.

(i) Each employer covered by the standard shall institute a program of medical surveillance for all employees exposed to cotton dust.

(ii) The employer shall assure that all medical examinations and procedures are performed by or under the supervision of a licensed physician and are provided without cost to the employee.

(iii) Persons other than licensed physicians, who administer the pulmonary function testing required by this section shall have completed a NIOSH approved training course in spirometry.

(b) Initial examinations. The employer shall provide medical surveillance to each employee who is or may be exposed to cotton dust. For new employees' this examination shall be provided prior to initial assignment. The medical surveillance shall include at least the following:

(i) A medical history;

(ii) The standardized questionnaire contained in WAC 296-62-14537; and

(iii) A pulmonary function measurement, including a determination of forced vital capacity (FVC) and forced expiratory volume in one second (FEV_1), the FEV_1/FVC ratio, and the percentage that the measured values of FEV_1 and FVC differ from the predicted values, using the standard tables in WAC 296-62-14539. These determinations shall be made for each employee before the employee enters the workplace on the first day of the work week, preceded by at least thirty-five hours of no exposure to cotton dust. The tests shall be repeated during the shift, no less than four hours and no more than ten hours after the beginning of the work shift; and, in any event, no more than one hour after cessation of exposure. Such exposure shall be typical of the employee's usual workplace exposure. The predicted FEV_1 and FVC for blacks shall be multiplied by 0.85 to adjust for ethnic differences.

(iv) Based upon the questionnaire results, each employee shall be graded according to Schilling's byssinosis classification system.

(c) Periodic examinations.

(i) The employer shall provide at least annual medical surveillance for all employees exposed to cotton dust above the action level in yarn manufacturing, slashing and weaving, cotton washing and waste house operations. The employer shall provide medical surveillance at least every two years for all employees exposed to cotton dust at or below the action level, for all employees exposed to cotton dust from washed cotton (except from washed cotton defined in subsection (9)(c) of this section), and for all employees exposed to cotton dust in cottonseed processing and waste processing operations. Periodic medical surveillance shall include at least an

update of the medical history, standardized questionnaire (Appendix B-111), Schilling byssinosis grade, and the pulmonary function measurements in (b)(iii) of this subsection.

(ii) Medical surveillance as required in (c)(i) of this subsection shall be provided every six months for all employees in the following categories:

(A) An FEV₁ of greater than eighty percent of the predicted value, but with an FEV₁ decrement of five percent or 200 ml. on a first working day;

(B) An FEV₁ of less than eighty percent of the predicted value; or

(C) Where, in the opinion of the physician, any significant change in questionnaire findings, pulmonary function results, or other diagnostic tests have occurred.

(iii) An employee whose FEV₁ is less than sixty percent of the predicted value shall be referred to a physician for a detailed pulmonary examination.

(iv) A comparison shall be made between the current examination results and those of previous examinations and a determination made by the physician as to whether there has been a significant change.

(d) Information provided to the physician. The employer shall provide the following information to the examining physician:

(i) A copy of this regulation and its appendices;

(ii) A description of the affected employee's duties as they relate to the employee's exposure;

(iii) The employee's exposure level or anticipated exposure level;

(iv) A description of any personal protective equipment used or to be used; and

(v) Information from previous medical examinations of the affected employee which is not readily available to the examining physician.

(e) Physician's written opinion.

(i) The employer shall obtain and furnish the employee with a copy of a written opinion from the examining physician containing the following:

(A) The results of the medical examination and tests including the FEV₁, FVC, and FEV₁/FVC ratio;

(B) The physician's opinion as to whether the employee has any detected medical conditions which would place the employee at increased risk of material impairment of the employee's health from exposure to cotton dust;

(C) The physician's recommended limitations upon the employee's exposure to cotton dust or upon the employee's use of respirators including a determination of whether an employee can wear a negative pressure respirator, and where the employee cannot, a determination of the employee's ability to wear a powered air purifying respirator; and

(D) A statement that the employee has been informed by the physician of the results of the medical examination and any medical conditions which require further examination or treatment.

(ii) The written opinion obtained by the employer shall not reveal specific findings or diagnoses unrelated to occupational exposure.

(9) Employee education and training.

(a) Training program.

(i) The employer shall (~~provide a training program for~~) train each employee(~~s~~) exposed to cotton dust in accordance with the requirements of this section and shall assure that each employee is informed of the following:

(A) The acute and long term health hazards associated with exposure to cotton dust;

(B) The names and descriptions of jobs and processes which could result in exposure to cotton dust at or above the PEL.

(C) The measures, including work practices required by subsection (7) of this section, necessary to protect the employee from exposures in excess of the permissible exposure limit;

(D) The purpose, proper use, limitations, and other training requirements for respiratory protection as required by subsection (6) of this section and chapter 296-842 WAC (see WAC 296-842-11005, 296-842-16005 and 296-842-19005);

(E) The purpose for and a description of the medical surveillance program required by subsection (8) of this section and other information which will aid exposed employees in understanding the hazards of cotton dust exposure; and

(F) The contents of this standard and its appendices.

(ii) The training program shall be provided prior to initial assignment and shall be repeated annually for each employee exposed to cotton dust, when job assignments or work processes change and when employee performance indicates a need for retraining.

(b) Access to training materials.

(i) Each employer shall post a copy of this section with its appendices in a public location at the workplace, and shall, upon request, make copies available to employees.

(ii) The employer shall provide all materials relating to the employee training and information program to the director upon request.

(10) Signs. The employer shall post the following warning sign in each work area where the permissible exposure limit for cotton dust is exceeded:

WARNING
COTTON DUST WORK AREA
MAY CAUSE ACUTE OR DELAYED LUNG INJURY
(BYSSINOSIS)
RESPIRATORS REQUIRED IN THIS AREA

(11) Recordkeeping.

(a) Exposure measurements.

(i) The employer shall establish and maintain an accurate record of all measurements required by subsection (4) of this section.

(ii) The record shall include:

(A) A log containing the items listed in WAC 296-62-14535 (4)(a), and the dates, number, duration, and results of each of the samples taken, including a description of the procedure used to determine representative employee exposures;

(B) The type of protective devices worn, if any, and length of time worn; and

(C) The names, Social Security number, job classifications, and exposure levels of employees whose exposure the measurement is intended to represent.

(iii) The employer shall maintain this record for at least twenty years.

(b) Medical surveillance.

(i) The employer shall establish and maintain an accurate medical record for each employee subject to medical surveillance required by subsection (8) of this section.

(ii) The record shall include:

(A) The name and Social Security number and description of the duties of the employee;

(B) A copy of the medical examination results including the medical history, questionnaire response, results of all tests, and the physician's recommendation;

(C) A copy of the physician's written opinion;

(D) Any employee medical complaints related to exposure to cotton dust;

(E) A copy of this standard and its appendices, except that the employer may keep one copy of the standard and the appendices for all employees, provided that he references the standard and appendices in the medical surveillance record of each employee; and

(F) A copy of the information provided to the physician as required by subsection (8)(d) of this section.

(iii) The employer shall maintain this record for at least twenty years.

(c) Availability.

(i) The employer shall make all records required to be maintained by subsection (11) of this section available to the director for examination and copying.

(ii) Employee exposure measurement records and employee medical records required by this subsection shall be provided upon request to employees, designated representatives, and the assistant director in accordance with chapter 296-802 WAC.

(d) Transfer of records.

(i) Whenever the employer ceases to do business, the successor employer shall receive and retain all records required to be maintained by subsection (11) of this section.

(ii) Whenever the employer ceases to do business, and there is no successor employer to receive and retain the records for the prescribed period, these records shall be transmitted to the director.

(iii) At the expiration of the retention period for the records required to be maintained by this section, the employer shall notify the director at least three months prior to the disposal of such records and shall transmit those records to the director if he requests them within that period.

(iv) The employer shall also comply with any additional requirements involving transfer of records set forth in chapter 296-802 WAC.

(12) Observation of monitoring.

(a) The employer shall provide affected employees or their designated representatives an opportunity to observe any measuring or monitoring of employee exposure to cotton dust conducted pursuant to subsection (4) of this section.

(b) Whenever observation of the measuring or monitoring of employee exposure to cotton dust requires entry into an area where the use of personal protective equipment is required, the employer shall provide the observer with and assure the use of such equipment and shall require the

observer to comply with all other applicable safety and health procedures.

(c) Without interfering with the measurement, observers shall be entitled to:

(i) An explanation of the measurement procedures;

(ii) An opportunity to observe all steps related to the measurement of airborne concentrations of cotton dust performed at the place of exposure; and

(iii) An opportunity to record the results obtained.

(13) Washed cotton.

(a) Exemptions. Cotton, after it has been washed by the processes described in this section is exempt from all or parts of this section as specified if the requirements of this section are met.

(b) Initial requirements.

(i) In order for an employer to qualify as exempt or partially exempt from this standard for operations using washed cotton, the employer must demonstrate that the cotton was washed in a facility which is open to inspection by the director and the employer must provide sufficient accurate documentary evidence to demonstrate that the washing methods utilized meet the requirements of this section.

(ii) An employer who handles or processes cotton which has been washed in a facility not under the employer's control and claims an exemption or partial exemption under this paragraph, must obtain from the cotton washer and make available at the worksite, to the director, or his designated representative, to any affected employee, or to their designated representative the following:

(A) A certification by the washer of the cotton of the grade of cotton, the type of washing process, and that the batch meets the requirements of this section:

(B) Sufficient accurate documentation by the washer of the cotton grades and washing process; and

(C) An authorization by the washer that the director may inspect the washer's washing facilities and documentation of the process.

(c) Medical and dyed cotton. Medical grade (USP) cotton, cotton that has been scoured, bleached and dyed, and mercerized yarn shall be exempt from all provisions of this standard.

(d) Higher grade washed cotton. The handling or processing of cotton classed as "low middling light spotted or better" (color grade 52 or better and leaf grade code 5 or better according to the 1993 USDA classification system) shall be exempt from all provisions of the standard except requirements of subsection (8) of this section, medical surveillance; subsection (11)(b) through (d) of this section, recordkeeping-medical records, and Appendices B, C, and D of this section, if they have been washed on one of the following systems:

(i) On a continuous batt system or a rayon rinse system including the following conditions:

(A) With water;

(B) At a temperature of no less than 60°C;

(C) With a water-to-fiber ratio of no less than 40:1; and

(D) With the bacterial levels in the wash water controlled to limit bacterial contamination of the cotton.

(ii) On a batch kier washing system including the following conditions:

(A) With water;

(B) With cotton fiber mechanically opened and thoroughly prewetted before forming the cake;

(C) For low-temperature processing, at a temperature of no less than 60°C with a water-to-fiber ratio of no less than 40:1; or, for high-temperature processing, at a temperature of no less than 93°C with a water-to-fiber ratio of no less than 15:1;

(D) With a minimum of one wash cycle followed by two rinse cycles for each batch, using fresh water in each cycle; and

(E) With bacterial levels in the wash water controlled to limit bacterial contamination of the cotton.

(e) Lower grade washed cotton. The handling and processing of cotton of grades lower than "low middling light spotted," that has been washed as specified in (d) of this subsection and has also been bleached, shall be exempt from all provisions of the standard except the requirements of subsection (3)(a) Permissible exposure limits, subsection (4) Exposure monitoring and measurement, subsection (8) Medical surveillance, subsection (11) Recordkeeping, and Appendices B, C and D of this section.

(f) Mixed grades of washed cotton. If more than one grade of washed cotton is being handled or processed together, the requirements of the grade with the most stringent exposure limit, medical and monitoring requirements shall be followed.

(14) Appendices.

(a) Appendix B (B-I, B-II and B-III), WAC 296-62-14537, Appendix C, WAC 296-62-14539 and Appendix D, WAC 296-62-14541 are incorporated as part of this chapter and the contents of these appendices are mandatory.

(b) Appendix A of this chapter, WAC 296-62-14535 contains information which is not intended to create any additional obligations not otherwise imposed or to detract from any existing obligations.

(c) Appendix E of this chapter is a protocol which may be followed in the validation of alternative measuring devices as equivalent to the vertical elutriator cotton dust sampler. Other protocols may be used if it is demonstrated that they are statistically valid, meet the requirements in subsection (4)(a)(iii) of this section, and are appropriate for demonstrating equivalency.

AMENDATORY SECTION (Amending WSR 07-05-072, filed 2/20/07, effective 4/1/07)

WAC 296-62-20011 Respiratory protection. (1) General.

For employees who use respirators required by this section, the employer must provide each employee with an appropriate respirator(s) that ~~((empty))~~ complies with the requirements of this section. Compliance with the permissible exposure limit may not be achieved by the use of respirators except during:

(a) Periods necessary to install or implement feasible engineering and work-practice controls;

(b) Work operations, such as maintenance and repair activity, for which engineering and work-practice controls are technologically not feasible;

(c) Work operations for which feasible engineering and work-practice controls are not yet sufficient to reduce employee exposure to or below the permissible exposure limit;

(d) Emergencies.

(2) Respirator program. The employer must develop, implement and maintain a respiratory protection program as required by chapter 296-842 WAC, Respirators, which covers each employee required to use a respirator.

(3) Respirator selection. The employer must select and provide to employees appropriate respirators as specified in this section and WAC 296-842-13005, found in the respirator rule.

Although filtering facepiece respirators may be used for protection from coke oven particulate emissions, these respirators are not appropriate for use against gas or vapor contaminants that present an exposure hazard.

AMENDATORY SECTION (Amending WSR 07-05-072, filed 2/20/07, effective 4/1/07)

WAC 296-155-17317 Respiratory protection. (1)

General. For employees who use respirators required by this section, the employer must provide ~~((respirators that empty))~~ each employee with an appropriate respirator that complies with the requirements of this section. Respirators must be used during:

(a) Periods necessary to install or implement feasible engineering and work-practice controls.

(b) Work operations, such as maintenance and repair activities and spray application processes, for which engineering and work-practice controls are not feasible.

(c) Work operations for which feasible engineering and work-practice controls are not yet sufficient to reduce employee exposure to or below the PELs.

(d) Emergencies.

(2) Respirator program. The employer must develop, implement and maintain a respiratory protection program as required by chapter 296-842 WAC, Respirators, which covers each employee required by this chapter to use a respirator.

(3) Respirator selection.

(a) The employer must select and provide to employees appropriate respirators as specified in this section and WAC 296-842-13005 in the respirator rule.

(b) An employee who cannot use a negative-pressure respirator must be given the option of using a positive-pressure respirator, or a supplied-air respirator operated in the continuous-flow or pressure-demand mode.

(c) Provide HEPA filters or N-, R-, or P-100 filters for powered air-purifying respirators (PAPRs) and negative-pressure air-purifying respirators.

(d) Provide to employees, for escape, one of the following respirator options:

(i) Any self-contained breathing apparatus with a full facepiece or hood, operated in the positive-pressure or continuous-flow mode

OR

(ii) A full facepiece air-purifying respirator.

AMENDATORY SECTION (Amending WSR 07-05-072, filed 2/20/07, effective 4/1/07)

WAC 296-155-174 Cadmium. (1) Scope. This standard applies to all occupational exposures to cadmium and cadmium compounds, in all forms, in all construction work where an employee may potentially be exposed to cadmium. Construction work is defined as work involving construction, alteration, and/or repair, including but not limited to the following:

- (a) Wrecking, demolition, or salvage of structures where cadmium or materials containing cadmium are present;
- (b) Use of cadmium containing-paints and cutting, brazing, burning, grinding, or welding on surfaces that were painted with cadmium-containing paints;
- (c) Construction, alteration, repair, maintenance, or renovation of structures, substrates, or portions thereof, that contain cadmium, or materials containing cadmium;
- (d) Cadmium welding; cutting and welding cadmium-plated steel; brazing or welding with cadmium alloys;
- (e) Installation of products containing cadmium;
- (f) Electrical grounding with cadmium-welding, or electrical work using cadmium-coated conduit;
- (g) Maintaining or retrofitting cadmium-coated equipment;
- (h) Cadmium contamination/emergency cleanup; and
- (i) Transportation, disposal, storage, or containment of cadmium or materials containing cadmium on the site or location at which construction activities are performed.

(2) Definitions.

(a) Action level (AL) is defined as an airborne concentration of cadmium of 2.5 micrograms per cubic meter of air ($2.5 \mu\text{g}/\text{m}^3$), calculated as an 8-hour time-weighted average (TWA).

(b) Authorized person means any person authorized by the employer and required by work duties to be present in regulated areas or any person authorized by WISHA or regulations issued under it to be in regulated areas.

(c) Competent person, in accordance with WAC 296-155-012(4), means a person designated by the employer to act on the employer's behalf who is capable of identifying existing and potential cadmium hazards in the workplace and the proper methods to control them in order to protect workers, and has the authority necessary to take prompt corrective measures to eliminate or control such hazards. The duties of a competent person include at least the following: Determining prior to the performance of work whether cadmium is present in the workplace; establishing, where necessary, regulated areas and assuring that access to and from those areas is limited to authorized employees; assuring the adequacy of any employee exposure monitoring required by this standard; assuring that all employees exposed to air cadmium levels above the PEL wear appropriate personal protective equipment and are trained in the use of appropriate methods of exposure control; assuring that proper hygiene facilities are provided and that workers are trained to use those facilities; and assuring that the engineering controls required by this standard are implemented, maintained in proper operating condition, and functioning properly.

(d) Director means the director of the department of labor and industries or authorized representative.

(e) Employee exposure and similar language referring to the air cadmium level to which an employee is exposed means the exposure to airborne cadmium that would occur if the employee were not using respiratory protective equipment.

(f) Final medical determination is the written medical opinion of the employee's health status by the examining physician under subsection (12)(c) through (l) of this section or, if multiple physician review under subsection (12)(m) of this section or the alternative physician determination under subsection (12)(n) of this section is invoked, it is the final, written medical finding, recommendation or determination that emerges from that process.

(g) High-efficiency particulate air (HEPA) filter means a filter capable of trapping and retaining at least 99.97 percent of mono-dispersed particles of 0.3 micrometers in diameter.

(h) Regulated area means an area demarcated by the employer where an employee's exposure to airborne concentrations of cadmium exceeds, or can reasonably be expected to exceed the permissible exposure limit (PEL).

(i) This section means this cadmium standard.

(3) Permissible exposure limit (PEL). The employer shall assure that no employee is exposed to an airborne concentration of cadmium in excess of five micrograms per cubic meter of air ($5 \mu\text{g}/\text{m}^3$), calculated as an 8-hour time-weighted average exposure (TWA).

(4) Exposure monitoring

(a) General.

(i) Prior to the performance of any construction work where employees may be potentially exposed to cadmium, the employer shall establish the applicability of this standard by determining whether cadmium is present in the workplace and whether there is the possibility that employee exposures will be at or above the action level. The employer shall designate a competent person who shall make this determination. Investigation and material testing techniques shall be used, as appropriate, in the determination. Investigation shall include a review of relevant plans, past reports, material safety data sheets, and other available records, and consultations with the property owner and discussions with appropriate individuals and agencies.

(ii) Where cadmium has been determined to be present in the workplace, and it has been determined that there is a possibility the employee's exposure will be at or above the action level, the competent person shall identify employees potentially exposed to cadmium at or above the action level.

(iii) Determinations of employee exposure shall be made from breathing-zone air samples that reflect the monitored employee's regular, daily 8-hour TWA exposure to cadmium.

(iv) Eight-hour TWA exposures shall be determined for each employee on the basis of one or more personal breathing-zone air samples reflecting full shift exposure on each shift, for each job classification, in each work area. Where several employees perform the same job tasks, in the same job classification, on the same shift, in the same work area, and the length, duration, and level of cadmium exposures are similar, an employer may sample a representative fraction of the employees instead of all employees in order to meet this requirement. In representative sampling, the employer shall

sample the employee(s) expected to have the highest cadmium exposures.

(b) Specific.

(i) Initial monitoring. Except as provided for in (b)(iii) of this subsection, where a determination conducted under (a)(i) of this subsection shows the possibility of employee exposure to cadmium at or above the action level, the employer shall conduct exposure monitoring as soon as practicable that is representative of the exposure for each employee in the workplace who is or may be exposed to cadmium at or above the action level.

(ii) In addition, if the employee periodically performs tasks that may expose the employee to a higher concentration of airborne cadmium, the employee shall be monitored while performing those tasks.

(iii) Where the employer has objective data, as defined in subsection (14)(b) of this section, demonstrating that employee exposure to cadmium will not exceed airborne concentrations at or above the action level under the expected conditions of processing, use, or handling, the employer may rely upon such data instead of implementing initial monitoring.

(iv) Where a determination conducted under (a) or (b) of this subsection is made that a potentially exposed employee is not exposed to airborne concentrations of cadmium at or above the action level, the employer shall make a written record of such determination. The record shall include at least the monitoring data developed under (b)(i) through (iii) of this subsection, where applicable, and shall also include the date of determination, and the name and Social Security number of each employee.

(c) Monitoring frequency (periodic monitoring).

(i) If the initial monitoring or periodic monitoring reveals employee exposures to be at or above the action level, the employer shall monitor at a frequency and pattern needed to assure that the monitoring results reflect with reasonable accuracy the employee's typical exposure levels, given the variability in the tasks performed, work practices, and environmental conditions on the job site, and to assure the adequacy of respiratory selection and the effectiveness of engineering and work practice controls.

(ii) If the initial monitoring or the periodic monitoring indicates that employee exposures are below the action level and that result is confirmed by the results of another monitoring taken at least seven days later, the employer may discontinue the monitoring for those employees whose exposures are represented by such monitoring.

(d) Additional monitoring. The employer also shall institute the exposure monitoring required under (b)(i) and (c) of this subsection whenever there has been a change in the raw materials, equipment, personnel, work practices, or finished products that may result in additional employees being exposed to cadmium at or above the action level or in employees already exposed to cadmium at or above the action level being exposed above the PEL, or whenever the employer or competent person has any reason to suspect that any other change might result in such further exposure.

(e) Employee notification of monitoring results.

(i) No later than five working days after the receipt of the results of any monitoring performed under this section, the

employer shall notify each affected employee individually in writing of the results. In addition, within the same time period, the employer shall post the results of the exposure monitoring in an appropriate location that is accessible to all affected employees.

(ii) Wherever monitoring results indicate that employee exposure exceeds the PEL, the employer shall include in the written notice a statement that the PEL has been exceeded and a description of the corrective action being taken by the employer to reduce employee exposure to or below the PEL.

(f) Accuracy of measurement. The employer shall use a method of monitoring and analysis that has an accuracy of not less than plus or minus 25 percent ($\pm 25\%$), with a confidence level of 95 percent, for airborne concentrations of cadmium at or above the action level and the permissible exposure limit.

(5) Regulated areas.

(a) Establishment. The employer shall establish a regulated area wherever an employee's exposure to airborne concentrations of cadmium is, or can reasonably be expected to be in excess of the permissible exposure limit (PEL).

(b) Demarcation. Regulated areas shall be demarcated from the rest of the workplace in any manner that adequately establishes and alerts employees of the boundaries of the regulated area, including employees who are or may be incidentally in the regulated areas, and that protects persons outside the area from exposure to airborne concentrations of cadmium in excess of the PEL.

(c) Access. Access to regulated areas shall be limited to authorized persons.

(d) Provision of respirators. Each person entering a regulated area shall be supplied with and required to use a respirator, selected in accordance with subsection (7)(b) of this section.

(e) Prohibited activities. The employer shall assure that employees do not eat, drink, smoke, chew tobacco or gum, or apply cosmetics in regulated areas, or carry the products associated with any of these activities into regulated areas or store such products in those areas.

(6) Methods of compliance.

(a) Compliance hierarchy.

(i) Except as specified in (a)(ii) of this subsection, the employer shall implement engineering and work practice controls to reduce and maintain employee exposure to cadmium at or below the PEL, except to the extent that the employer can demonstrate that such controls are not feasible.

(ii) The requirement to implement engineering controls to achieve the PEL does not apply where the employer demonstrates the following:

(A) The employee is only intermittently exposed; and

(B) The employee is not exposed above the PEL on thirty or more days per year (twelve consecutive months).

(iii) Wherever engineering and work practice controls are not sufficient to reduce employee exposure to or below the PEL, the employer nonetheless shall implement such controls to reduce exposures to the lowest levels achievable. The employer shall supplement such controls with respiratory protection that complies with the requirements of subsection (7) of this section and the PEL.

(iv) The employer shall not use employee rotation as a method of compliance.

(b) Specific operations.

(i) Abrasive blasting. Abrasive blasting on cadmium or cadmium-containing materials shall be conducted in a manner that will provide adequate protection.

(ii) Heating cadmium and cadmium-containing materials. Welding, cutting, and other forms of heating of cadmium or cadmium-containing materials shall be conducted in accordance with the requirements of WAC 296-155-415 and 296-155-420, where applicable.

(c) Prohibitions.

(i) High speed abrasive disc saws and similar abrasive power equipment shall not be used for work on cadmium or cadmium-containing materials unless they are equipped with appropriate engineering controls to minimize emissions, if the exposure levels are above the PEL.

(ii) Materials containing cadmium shall not be applied by spray methods, if exposures are above the PEL, unless employees are protected with supplied-air respirators with full facepiece, hood, helmet, suit, operated in positive pressure mode and measures are instituted to limit overspray and prevent contamination of adjacent areas.

(d) Mechanical ventilation.

(i) When ventilation is used to control exposure, measurements that demonstrate the effectiveness of the system in controlling exposure, such as capture velocity, duct velocity, or static pressure shall be made as necessary to maintain its effectiveness.

(ii) Measurements of the system's effectiveness in controlling exposure shall be made as necessary within five working days of any change in production, process, or control that might result in a significant increase in employee exposure to cadmium.

(iii) Recirculation of air. If air from exhaust ventilation is recirculated into the workplace, the system shall have a high efficiency filter and be monitored to assure effectiveness.

(iv) Procedures shall be developed and implemented to minimize employee exposure to cadmium when maintenance of ventilation systems and changing of filters is being conducted.

(e) Compliance program.

(i) Where employee exposure to cadmium exceeds the PEL and the employer is required under (a) of this subsection to implement controls to comply with the PEL, prior to the commencement of the job the employer shall establish and implement a written compliance program to reduce employee exposure to or below the PEL. To the extent that engineering and work practice controls cannot reduce exposures to or below the PEL, the employer shall include in the written compliance program the use of appropriate respiratory protection to achieve compliance with the PEL.

(ii) Written compliance programs shall be reviewed and updated as often and as promptly as necessary to reflect significant changes in the employer's compliance status or significant changes in the lowest air cadmium level that is technologically feasible.

(iii) A competent person shall review the comprehensive compliance program initially and after each change.

(iv) Written compliance programs shall be provided upon request for examination and copying to the director, or authorized representatives, affected employees, and designated employee representatives.

(7) Respirator protection.

(a) General. For employees who use respirators required by this section, the employer must provide ~~((respirators that comply))~~ each employee with an appropriate respirator that complies with the requirements of this section. Respirators must be used during:

(i) Periods necessary to install or implement feasible engineering and work-practice controls when employee exposures exceed the PEL.

(ii) Maintenance and repair activities, and brief or intermittent operations, for which employee exposures exceed the PEL and engineering and work-practice controls are not feasible or are not required.

(iii) Work operations in regulated areas specified in subsection (5) of this section.

(iv) Work operations for which the employer has implemented all feasible engineering and work-practice controls, and such controls are not sufficient to reduce exposures to or below the PEL.

(v) Emergencies.

(vi) Work operations for which an employee, who is exposed to cadmium at or above the action level, requests a respirator.

(vii) Work operations for which engineering controls are not required under (a)(ii) of this subsection to reduce employee exposures that exceed the PEL.

(b) Respirator program.

(i) The employer must develop, implement, and maintain a respiratory protection program as required by chapter 296-842 WAC, except WAC 296-842-14005, which covers each employee required by this chapter to use a respirator.

(ii) If an employee has breathing difficulty during fit testing or respirator use, the employer must provide the employee with a medical examination as required by subsection (12)(f)(ii) of this section to determine if the employee can use a respirator while performing the required duties.

(iii) No employees must use a respirator when, based on their recent medical examination, the examining physician determines that the employee will be unable to continue to function normally while using a respirator. If the physician determines the employee must be limited in, or removed from, their current job because of the employee's inability to use a respirator, the job limitation or removal must be conducted as required by (k) and (l) of this subsection.

(c) Respirator selection. The employer must:

(i) Select and provide the appropriate respirator as specified in this section and WAC 296-842-13005 in the respirator rule.

- Provide employees with full facepiece respirators when they experience eye irritation.

- Make sure high-efficiency particulate air (HEPA) filters or N-, R-, or P-100 series filters are provided for powered air-purifying respirators (PAPRs) and negative-pressure air-purifying respirators.

(ii) The employer shall provide a powered, air-purifying respirator (PAPR) instead of a negative-pressure respirator

when an employee entitled to a respirator chooses to use this type of respirator and such a respirator will provide adequate protection to the employee.

(8) Emergency situations. The employer shall develop and implement a written plan for dealing with emergency situations involving substantial releases of airborne cadmium. The plan shall include provisions for the use of appropriate respirators and personal protective equipment. In addition, employees not essential to correcting the emergency situation shall be restricted from the area and normal operations halted in that area until the emergency is abated.

(9) Protective work clothing and equipment

(a) Provision and use. If an employee is exposed to airborne cadmium above the PEL or where skin or eye irritation is associated with cadmium exposure at any level, the employer shall provide at no cost to the employee, and assure that the employee uses, appropriate protective work clothing and equipment that prevents contamination of the employee and the employee's garments. Protective work clothing and equipment includes, but is not limited to:

(i) Coveralls or similar full-body work clothing;

(ii) Gloves, head coverings, and boots or foot coverings; and

(iii) Face shields, vented goggles, or other appropriate protective equipment that complies with WAC 296-155-215.

(b) Removal and storage.

(i) The employer shall assure that employees remove all protective clothing and equipment contaminated with cadmium at the completion of the work shift and do so only in change rooms provided in accordance with subsection (10)(a) of this section.

(ii) The employer shall assure that no employee takes cadmium-contaminated protective clothing or equipment from the workplace, except for employees authorized to do so for purposes of laundering, cleaning, maintaining, or disposing of cadmium-contaminated protective clothing and equipment at an appropriate location or facility away from the workplace.

(iii) The employer shall assure that contaminated protective clothing and equipment, when removed for laundering, cleaning, maintenance, or disposal, is placed and stored in sealed, impermeable bags or other closed, impermeable containers that are designed to prevent dispersion of cadmium dust.

(iv) The employer shall assure that containers of contaminated protective clothing and equipment that are to be taken out of the change rooms or the workplace for laundering, cleaning, maintenance or disposal shall bear labels in accordance with subsection (13)(c) of this section.

(c) Cleaning, replacement, and disposal.

(i) The employer shall provide the protective clothing and equipment required by (a) of this subsection in a clean and dry condition as often as necessary to maintain its effectiveness, but in any event at least weekly. The employer is responsible for cleaning and laundering the protective clothing and equipment required by this subsection to maintain its effectiveness and is also responsible for disposing of such clothing and equipment.

(ii) The employer also is responsible for repairing or replacing required protective clothing and equipment as

needed to maintain its effectiveness. When rips or tears are detected while an employee is working they shall be immediately mended, or the worksuit shall be immediately replaced.

(iii) The employer shall prohibit the removal of cadmium from protective clothing and equipment by blowing, shaking, or any other means that disperses cadmium into the air.

(iv) The employer shall assure that any laundering of contaminated clothing or cleaning of contaminated equipment in the workplace is done in a manner that prevents the release of airborne cadmium in excess of the permissible exposure limit prescribed in subsection (3) of this section.

(v) The employer shall inform any person who launders or cleans protective clothing or equipment contaminated with cadmium of the potentially harmful effects of exposure to cadmium, and that the clothing and equipment should be laundered or cleaned in a manner to effectively prevent the release of airborne cadmium in excess of the PEL.

(10) Hygiene areas and practices.

(a) General. For employees whose airborne exposure to cadmium is above the PEL, the employer shall provide clean change rooms, handwashing facilities, showers, and lunchroom facilities that comply with WAC 296-155-140.

(b) Change rooms. The employer shall assure that change rooms are equipped with separate storage facilities for street clothes and for protective clothing and equipment, which are designed to prevent dispersion of cadmium and contamination of the employee's street clothes.

(c) Showers and handwashing facilities.

(i) The employer shall assure that employees whose airborne exposure to cadmium is above the PEL shower during the end of the work shift.

(ii) The employer shall assure that employees who are exposed to cadmium above the PEL wash their hands and faces prior to eating, drinking, smoking, chewing tobacco or gum, or applying cosmetics.

(d) Lunchroom facilities.

(i) The employer shall assure that the lunchroom facilities are readily accessible to employees, that tables for eating are maintained free of cadmium, and that no employee in a lunchroom facility is exposed at any time to cadmium at or above a concentration of 2.5 µg/m³.

(ii) The employer shall assure that employees do not enter lunchroom facilities with protective work clothing or equipment unless surface cadmium has been removed from the clothing and equipment by HEPA vacuuming or some other method that removes cadmium dust without dispersing it.

(11) Housekeeping.

(a) All surfaces shall be maintained as free as practicable of accumulations of cadmium.

(b) All spills and sudden releases of material containing cadmium shall be cleaned up as soon as possible.

(c) Surfaces contaminated with cadmium shall, wherever possible, be cleaned by vacuuming or other methods that minimize the likelihood of cadmium becoming airborne.

(d) HEPA-filtered vacuuming equipment or equally effective filtration methods shall be used for vacuuming. The equipment shall be used and emptied in a manner that minimizes the reentry of cadmium into the workplace.

(e) Shoveling, dry or wet sweeping, and brushing may be used only where vacuuming or other methods that minimize the likelihood of cadmium becoming airborne have been tried and found not to be effective.

(f) Compressed air shall not be used to remove cadmium from any surface unless the compressed air is used in conjunction with a ventilation system designed to capture the dust cloud created by the compressed air.

(g) Waste, scrap, debris, bags, containers, personal protective equipment, and clothing contaminated with cadmium and consigned for disposal shall be collected and disposed of in sealed impermeable bags or other closed, impermeable containers. These bags and containers shall be labeled in accordance with subsection (13)(b) of this section.

(12) Medical surveillance.

(a) General.

(i) Scope.

(A) Currently exposed—The employer shall institute a medical surveillance program for all employees who are or may be exposed at or above the action level and all employees who perform the following tasks, operations, or jobs: Electrical grounding with cadmium-welding; cutting, brazing, burning, grinding, or welding on surfaces that were painted with cadmium-containing paints; electrical work using cadmium-coated conduit; use of cadmium containing paints; cutting and welding cadmium-plated steel; brazing or welding with cadmium alloys; fusing of reinforced steel by cadmium welding; maintaining or retrofitting cadmium-coated equipment; and, wrecking and demolition where cadmium is present. A medical surveillance program will not be required if the employer demonstrates that the employee:

(I) Is not currently exposed by the employer to airborne concentrations of cadmium at or above the action level on thirty or more days per year (twelve consecutive months); and

(II) Is not currently exposed by the employer in those tasks on thirty or more days per year (twelve consecutive months).

(B) Previously exposed—The employer shall also institute a medical surveillance program for all employees who might previously have been exposed to cadmium by the employer prior to the effective date of this section in tasks specified under (a)(i)(A) of this subsection, unless the employer demonstrates that the employee did not in the years prior to the effective date of this section work in those tasks for the employer with exposure to cadmium for an aggregated total of more than twelve months.

(ii) To determine an employee's fitness for using a respirator, the employer shall provide the limited medical examination specified in (f) of this subsection.

(iii) The employer shall assure that all medical examinations and procedures required by this section are performed by or under the supervision of a licensed physician, who has read and is familiar with the health effects WAC 296-62-07441, Appendix A, the regulatory text of this section, the protocol for sample handling and lab selection in WAC 296-62-07451, Appendix F, and the questionnaire of WAC 296-62-07447, Appendix D.

(iv) The employer shall provide the medical surveillance required by this section, including multiple physician review

under (m) of this subsection without cost to employees, and at a time and place that is reasonable and convenient to employees.

(v) The employer shall assure that the collecting and handling of biological samples of cadmium in urine (CdU), cadmium in blood (CdB), and beta-2 microglobulin in urine (B₂-M) taken from employees under this section is done in a manner that assures their reliability and that analysis of biological samples of cadmium in urine (CdU), cadmium in blood (CdB), and beta-2 microglobulin in urine (B₂-M) taken from employees under this section is performed in laboratories with demonstrated proficiency to perform the particular analysis. (See WAC 296-62-07451, Appendix F.)

(b) Initial examination.

(i) For employees covered by medical surveillance under (a)(i) of this subsection, the employer shall provide an initial medical examination. The examination shall be provided to those employees within thirty days after initial assignment to a job with exposure to cadmium or no later than ninety days after the effective date of this section, whichever date is later.

(ii) The initial medical examination shall include:

(A) A detailed medical and work history, with emphasis on: Past, present, and anticipated future exposure to cadmium; any history of renal, cardiovascular, respiratory, hematopoietic, reproductive, and/or musculo-skeletal system dysfunction; current usage of medication with potential nephrotoxic side-effects; and smoking history and current status; and

(B) Biological monitoring that includes the following tests:

(I) Cadmium in urine (CdU), standardized to grams of creatinine (g/Cr);

(II) Beta-2 microglobulin in urine (B₂-M), standardized to grams of creatinine (g/Cr), with pH specified, as described in WAC 296-62-07451, Appendix F; and

(III) Cadmium in blood (CdB), standardized to liters of whole blood (lwb).

(ii) Recent examination: An initial examination is not required to be provided if adequate records show that the employee has been examined in accordance with the requirements of (b)(ii) of this subsection within the past twelve months. In that case, such records shall be maintained as part of the employee's medical record and the prior exam shall be treated as if it were an initial examination for the purposes of (c) and (d) of this subsection.

(c) Actions triggered by initial biological monitoring.

(i) If the results of the biological monitoring tests in the initial examination show the employee's CdU level to be at or below 3 µg/g Cr, B₂-M level to be at or below 300 µg/g Cr and CdB level to be at or below 5 µg/lwb, then:

(A) For employees who are subject to medical surveillance under (a)(i)(A) of this subsection because of current or anticipated exposure to cadmium, the employer shall provide the minimum level of periodic medical surveillance in accordance with the requirements in (d)(i) of this subsection; and

(B) For employees who are subject to medical surveillance under (a)(i)(B) of this subsection because of prior but not current exposure, the employer shall provide biological monitoring for CdU, B₂-M, and CdB one year after the initial

biological monitoring and then the employer shall comply with the requirements of (d)(vi) of this subsection.

(ii) For all employees who are subject to medical surveillance under (a)(i) of this subsection, if the results of the initial biological monitoring tests show the level of CdU to exceed 3 µg/g Cr, the level of B₂-M to be in excess of 300 µg/g Cr, or the level of CdB to be in excess of 5 µg/lwb, the employer shall:

(A) Within two weeks after receipt of biological monitoring results, reassess the employee's occupational exposure to cadmium as follows:

(I) Reassess the employee's work practices and personal hygiene;

(II) Reevaluate the employee's respirator use, if any, and the respirator program;

(III) Review the hygiene facilities;

(IV) Reevaluate the maintenance and effectiveness of the relevant engineering controls;

(V) Assess the employee's smoking history and status;

(B) Within thirty days after the exposure reassessment, specified in (c)(ii)(A) of this subsection, take reasonable steps to correct any deficiencies found in the reassessment that may be responsible for the employee's excess exposure to cadmium; and

(C) Within ninety days after receipt of biological monitoring results, provide a full medical examination to the employee in accordance with the requirements of (d)(ii) of this subsection. After completing the medical examination, the examining physician shall determine in a written medical opinion whether to medically remove the employee. If the physician determines that medical removal is not necessary, then until the employee's CdU level falls to or below 3 µg/g Cr, B₂-M level falls to or below 300 µg/g Cr and CdB level falls to or below 5 µg/lwb, the employer shall:

(I) Provide biological monitoring in accordance with (b)(ii)(B) of this subsection on a semiannual basis; and

(II) Provide annual medical examinations in accordance with (d)(ii) of this subsection.

(iii) For all employees who are subject to medical surveillance under (a)(i) of this subsection, if the results of the initial biological monitoring tests show the level of CdU to be in excess of 15 µg/g Cr, or the level of CdB to be in excess of 15 µg/lwb, or the level of B₂-M to be in excess of 1,500 µg/g Cr, the employer shall comply with the requirements of (c)(ii)(A) and (B) of this subsection. Within ninety days after receipt of biological monitoring results, the employer shall provide a full medical examination to the employee in accordance with the requirements of (d)(ii) of this subsection. After completing the medical examination, the examining physician shall determine in a written medical opinion whether to medically remove the employee. However, if the initial biological monitoring results and the biological monitoring results obtained during the medical examination both show that: CdU exceeds 15 µg/g Cr; or CdB exceeds 15 µg/lwb; or B₂-M exceeds 1500 µg/g Cr, and in addition CdU exceeds 3 µg/g Cr or CdB exceeds 5 µg/liter of whole blood, then the physician shall medically remove the employee from exposure to cadmium at or above the action level. If the second set of biological monitoring results obtained during the

medical examination does not show that a mandatory removal trigger level has been exceeded, then the employee is not required to be removed by the mandatory provisions of this section. If the employee is not required to be removed by the mandatory provisions of this section or by the physician's determination, then until the employee's CdU level falls to or below 3 µg/g Cr, B₂-M level falls to or below 300 µg/g Cr and CdB level falls to or below 5 µg/lwb, the employer shall:

(A) Periodically reassess the employee's occupational exposure to cadmium;

(B) Provide biological monitoring in accordance with (b)(ii)(B) of this subsection on a quarterly basis; and

(C) Provide semiannual medical examinations in accordance with (d)(ii) of this subsection.

(iv) For all employees to whom medical surveillance is provided, beginning on January 1, 1999, and in lieu of (c)(iii) of this subsection, whenever the results of initial biological monitoring tests show the employee's CdU level to be in excess of 7 µg/g Cr, or B₂-M level to be in excess of 750 µg/g Cr, or CdB level to be in excess of 10 µg/lwb, the employer shall comply with the requirements of (c)(ii)(A) and (B) of this subsection. Within ninety days after receipt of biological monitoring results, the employer shall provide a full medical examination to the employee in accordance with the requirements of (d)(ii) of this subsection. After completing the medical examination, the examining physician shall determine in a written medical opinion whether to medically remove the employee. However, if the initial biological monitoring results and the biological monitoring results obtained during the medical examination both show that: CdU exceeds 7 µg/g Cr; or CdB exceeds 10 µg/lwb; or B₂-M exceeds 750 µg/g Cr, and in addition CdU exceeds 3 µg/g Cr or CdB exceeds 5 µg/liter of whole blood, then the physician shall medically remove the employee from exposure to cadmium at or above the action level. If the second set of biological monitoring results obtained during the medical examination does not show that a mandatory removal trigger level has been exceeded, then the employee is not required to be removed by the mandatory provisions of this section. If the employee is not required to be removed by the mandatory provisions of this section or by the physician's determination, then until the employee's CdU level falls to or below 3 µg/g Cr, B₂-M level falls to or below 300 µg/g Cr and CdB level falls to or below 5 µg/lwb, the employer shall:

(A) Periodically reassess the employee's occupational exposure to cadmium;

(B) Provide biological monitoring in accordance with (b)(ii)(B) of this subsection on a quarterly basis; and

(C) Provide semiannual medical examinations in accordance with (d)(ii) of this subsection.

(d) Periodic medical surveillance.

(i) For each employee who is covered by medical surveillance under (a)(i)(A) of this subsection because of current or anticipated exposure to cadmium, the employer shall provide at least the minimum level of periodic medical surveillance, which consists of periodic medical examinations and periodic biological monitoring. A periodic medical examination shall be provided within one year after the initial examination required by (b) of this subsection and thereafter at least

biennially. Biological sampling shall be provided at least annually either as part of a periodic medical examination or separately as periodic biological monitoring.

(ii) The periodic medical examination shall include:

(A) A detailed medical and work history, or update thereof, with emphasis on: Past, present, and anticipated future exposure to cadmium; smoking history and current status; reproductive history; current use of medications with potential nephrotoxic side-effects; any history of renal, cardiovascular, respiratory, hematopoietic, and/or musculo-skeletal system dysfunction; and as part of the medical and work history, for employees who wear respirators, questions 3 through 11 and 25 through 32 in WAC 296-62-07447, Appendix D;

(B) A complete physical examination with emphasis on: Blood pressure, the respiratory system, and the urinary system;

(C) A 14 inch by 17 inch, or a reasonably standard sized posterior-anterior chest X ray (after the initial X ray, the frequency of chest X rays is to be determined by the examining physician);

(D) Pulmonary function tests, including forced vital capacity (FVC) and forced expiratory volume at 1 second (FEV1);

(E) Biological monitoring, as required in (b)(ii)(B) of this subsection;

(F) Blood analysis, in addition to the analysis required under (b)(ii)(B) of this subsection, including blood urea nitrogen, complete blood count, and serum creatinine;

(G) Urinalysis, in addition to the analysis required under (b)(ii)(B) of this subsection, including the determination of albumin, glucose, and total and low molecular weight proteins;

(H) For males over forty years old, prostate palpation, or other at least as effective diagnostic test(s); and

(I) Any additional tests or procedures deemed appropriate by the examining physician.

(iii) Periodic biological monitoring shall be provided in accordance with (b)(ii)(B) of this subsection.

(iv) If the results of periodic biological monitoring or the results of biological monitoring performed as part of the periodic medical examination show the level of the employee's CdU, B₂-M, or CdB to be in excess of the levels specified in (c)(ii) and (iii) of this subsection; or, beginning on January 1, 1999, in excess of the levels specified in (c)(ii) or (iv) of this subsection, the employer shall take the appropriate actions specified in (c)(ii) through (iv) of this subsection, respectively.

(v) For previously exposed employees under (a)(i)(B) of this subsection:

(A) If the employee's levels of CdU did not exceed 3 µg/g Cr, CdB did not exceed 5 µg/lwb, and B₂-M did not exceed 300 µg/g Cr in the initial biological monitoring tests, and if the results of the follow-up biological monitoring required by (c)(i)(B) of this subsection one year after the initial examination confirm the previous results, the employer may discontinue all periodic medical surveillance for that employee.

(B) If the initial biological monitoring results for CdU, CdB, or B₂-M were in excess of the levels specified in (c)(i)

of this subsection, but subsequent biological monitoring results required by (c)(ii) through (iv) of this subsection show that the employee's CdU levels no longer exceed 3 µg/g Cr, CdB levels no longer exceed 5 µg/lwb, and B₂-M levels no longer exceed 300 µg/g Cr, the employer shall provide biological monitoring for CdU, CdB, and B₂-M one year after these most recent biological monitoring results. If the results of the follow-up biological monitoring specified in this section, confirm the previous results, the employer may discontinue all periodic medical surveillance for that employee.

(C) However, if the results of the follow-up tests specified in (d)(v)(A) or (B) of this subsection indicate that the level of the employee's CdU, B₂-M, or CdB exceeds these same levels, the employer is required to provide annual medical examinations in accordance with the provisions of (d)(ii) of this subsection until the results of biological monitoring are consistently below these levels or the examining physician determines in a written medical opinion that further medical surveillance is not required to protect the employee's health.

(vi) A routine, biennial medical examination is not required to be provided in accordance with (c)(i) and (d) of this subsection if adequate medical records show that the employee has been examined in accordance with the requirements of (d)(ii) of this subsection within the past twelve months. In that case, such records shall be maintained by the employer as part of the employee's medical record, and the next routine, periodic medical examination shall be made available to the employee within two years of the previous examination.

(e) Actions triggered by medical examinations. If the results of a medical examination carried out in accordance with this section indicate any laboratory or clinical finding consistent with cadmium toxicity that does not require employer action under (b), (c), or (d) of this subsection, the employer shall take the following steps and continue to take them until the physician determines that they are no longer necessary.

(i) Periodically reassess: The employee's work practices and personal hygiene; the employee's respirator use, if any; the employee's smoking history and status; the respiratory protection program; the hygiene facilities; the maintenance and effectiveness of the relevant engineering controls; and take all reasonable steps to correct the deficiencies found in the reassessment that may be responsible for the employee's excess exposure to cadmium.

(ii) Provide semiannual medical reexaminations to evaluate the abnormal clinical sign(s) of cadmium toxicity until the results are normal or the employee is medically removed; and

(iii) Where the results of tests for total proteins in urine are abnormal, provide a more detailed medical evaluation of the toxic effects of cadmium on the employee's renal system.

(f) Examination for respirator use.

(i) To determine an employee's fitness for respirator use, the employer shall provide a medical examination that includes the elements specified in (f)(i)(A) through (D) of this subsection. This examination shall be provided prior to the employee's being assigned to a job that requires the use of a respirator or no later than ninety days after this section goes

into effect, whichever date is later, to any employee without a medical examination within the preceding twelve months that satisfies the requirements of this section.

(A) A detailed medical and work history, or update thereof, with emphasis on: Past exposure to cadmium; smoking history and current status; any history of renal, cardiovascular, respiratory, hematopoietic, and/or musculo-skeletal system dysfunction; a description of the job for which the respirator is required; and questions 3 through 11 and 25 through 32 in WAC 296-62-07447, Appendix D;

(B) A blood pressure test;

(C) Biological monitoring of the employee's levels of CdU, CdB and B₂-M in accordance with the requirements of (b)(ii)(B) of this subsection, unless such results already have been obtained within the twelve months; and

(D) Any other test or procedure that the examining physician deems appropriate.

(ii) After reviewing all the information obtained from the medical examination required in (f)(i) of this subsection, the physician shall determine whether the employee is fit to wear a respirator.

(iii) Whenever an employee has exhibited difficulty in breathing during a respirator fit test or during use of a respirator, the employer, as soon as possible, shall provide the employee with a periodic medical examination in accordance with (d)(ii) of this subsection to determine the employee's fitness to wear a respirator.

(iv) Where the results of the examination required under (f)(i), (ii), or (iii) of this subsection are abnormal, medical limitation or prohibition of respirator use shall be considered. If the employee is allowed to wear a respirator, the employee's ability to continue to do so shall be periodically evaluated by a physician.

(g) Emergency examinations.

(i) In addition to the medical surveillance required in (b) through (f) of this subsection, the employer shall provide a medical examination as soon as possible to any employee who may have been acutely exposed to cadmium because of an emergency.

(ii) The examination shall include the requirements of (d)(ii), of this subsection, with emphasis on the respiratory system, other organ systems considered appropriate by the examining physician, and symptoms of acute overexposure, as identified in Appendix A, WAC 296-62-07441 (2)(b)(i) and (ii) and (4).

(h) Termination of employment examination.

(i) At termination of employment, the employer shall provide a medical examination in accordance with (d)(ii) of this subsection, including a chest X ray where necessary, to any employee to whom at any prior time the employer was required to provide medical surveillance under (a)(i) or (g) of this subsection. However, if the last examination satisfied the requirements of (d)(ii) of this subsection and was less than six months prior to the date of termination, no further examination is required unless otherwise specified in (c) or (e) of this subsection;

(ii) In addition, if the employer has discontinued all periodic medical surveillance under (d)(v) of this subsection, no termination of employment medical examination is required.

(i) Information provided to the physician. The employer shall provide the following information to the examining physician:

(i) A copy of this standard and appendices;

(ii) A description of the affected employee's former, current, and anticipated duties as they relate to the employee's occupational exposure to cadmium;

(iii) The employee's former, current, and anticipated future levels of occupational exposure to cadmium;

(iv) A description of any personal protective equipment, including respirators, used or to be used by the employee, including when and for how long the employee has used that equipment; and

(v) Relevant results of previous biological monitoring and medical examinations.

(j) Physician's written medical opinion.

(i) The employer shall promptly obtain a written, signed, medical opinion from the examining physician for each medical examination performed on each employee. This written opinion shall contain:

(A) The physician's diagnosis for the employee;

(B) The physician's opinion as to whether the employee has any detected medical condition(s) that would place the employee at increased risk of material impairment to health from further exposure to cadmium, including any indications of potential cadmium toxicity;

(C) The results of any biological or other testing or related evaluations that directly assess the employee's absorption of cadmium;

(D) Any recommended removal from, or limitation on the activities or duties of the employee or on the employee's use of personal protective equipment, such as respirators;

(E) A statement that the physician has clearly and carefully explained to the employee the results of the medical examination, including all biological monitoring results and any medical conditions related to cadmium exposure that require further evaluation or treatment, and any limitation on the employee's diet or use of medications.

(ii) The employer shall promptly obtain a copy of the results of any biological monitoring provided by an employer to an employee independently of a medical examination under (b) and (d) of this subsection, and, in lieu of a written medical opinion, an explanation sheet explaining those results.

(iii) The employer shall instruct the physician not to reveal orally or in the written medical opinion given to the employer specific findings or diagnoses unrelated to occupational exposure to cadmium.

(k) Medical removal protection (MRP).

(i) General.

(A) The employer shall temporarily remove an employee from work where there is excess exposure to cadmium on each occasion that medical removal is required under (c), (d), or (f) of this subsection and on each occasion that a physician determines in a written medical opinion that the employee should be removed from such exposure. The physician's determination may be based on biological monitoring results, inability to wear a respirator, evidence of illness, other signs or symptoms of cadmium-related dysfunction or disease, or

any other reason deemed medically sufficient by the physician.

(B) The employer shall medically remove an employee in accordance with (k) of this subsection regardless of whether at the time of removal a job is available into which the removed employee may be transferred.

(C) Whenever an employee is medically removed under (k) of this subsection, the employer shall transfer the removed employee to a job where the exposure to cadmium is within the permissible levels specified in subsection (12) of this section as soon as one becomes available.

(D) For any employee who is medically removed under the provisions of (k)(i) of this subsection, the employer shall provide follow-up medical examinations semiannually until, in a written medical opinion, the examining physician determines that either the employee may be returned to his/her former job status or the employee must be permanently removed from excess cadmium exposure.

(E) The employer may not return an employee who has been medically removed for any reason to his/her former job status until a physician determines in a written medical opinion that continued medical removal is no longer necessary to protect the employee's health.

(i) Where an employee is found unfit to wear a respirator under (f)(ii) of this subsection, the employer shall remove the employee from work where exposure to cadmium is above the PEL.

(ii) Where removal is based upon any reason other than the employee's inability to wear a respirator, the employer shall remove the employee from work where exposure to cadmium is at or above the action level.

(iv) Except as specified in (k)(v) of this subsection, no employee who was removed because his/her level of CdU, CdB and/or B₂-M exceeded the trigger levels in (c) or (d) of this subsection may be returned to work with exposure to cadmium at or above the action level until the employee's levels of CdU fall to or below 3 µg/g Cr, CdB fall to or below 5 µg/lwb, and B₂-M fall to or below 300 µg/g Cr.

(v) However, when in the examining physician's opinion continued exposure to cadmium will not pose an increased risk to the employee's health and there are special circumstances that make continued medical removal an inappropriate remedy, the physician shall fully discuss these matters with the employee, and then in a written determination may return a worker to his/her former job status despite what would otherwise be unacceptably high biological monitoring results. Thereafter and until such time as the employee's biological monitoring results have decreased to levels where he/she could have been returned to his/her former job status, the returned employee shall continue medical surveillance as if he/she were still on medical removal. Until such time, the employee is no longer subject to mandatory medical removal. Subsequent questions regarding the employee's medical removal shall be decided solely by a final medical determination.

(vi) Where an employer, although not required by this section to do so, removes an employee from exposure to cadmium or otherwise places limitations on an employee due to the effects of cadmium exposure on the employee's medical condition, the employer shall provide the same medical

removal protection benefits to that employee under (l) of this subsection as would have been provided had the removal been required under (k) of this subsection.

(l) Medical removal protection benefits.

(i) The employer shall provide medical removal protection benefits to an employee for up to a maximum of eighteen months each time, and while the employee is temporarily medically removed under (k) of this subsection.

(ii) For purposes of this section, the requirement that the employer provide medical removal protection benefits means that the employer shall maintain the total normal earnings, seniority, and all other employee rights and benefits of the removed employee, including the employee's right to his/her former job status, as if the employee had not been removed from the employee's job or otherwise medically limited.

(iii) Where, after eighteen months on medical removal because of elevated biological monitoring results, the employee's monitoring results have not declined to a low enough level to permit the employee to be returned to his/her former job status:

(A) The employer shall make available to the employee a medical examination pursuant to this section in order to obtain a final medical determination as to whether the employee may be returned to his/her former job status or must be permanently removed from excess cadmium exposure; and

(B) The employer shall assure that the final medical determination indicates whether the employee may be returned to his/her former job status and what steps, if any, should be taken to protect the employee's health.

(iv) The employer may condition the provision of medical removal protection benefits upon the employee's participation in medical surveillance provided in accordance with this section.

(m) Multiple physician review.

(i) If the employer selects the initial physician to conduct any medical examination or consultation provided to an employee under this section, the employee may designate a second physician to:

(A) Review any findings, determinations, or recommendations of the initial physician; and

(B) Conduct such examinations, consultations, and laboratory tests as the second physician deems necessary to facilitate this review.

(ii) The employer shall promptly notify an employee of the right to seek a second medical opinion after each occasion that an initial physician provided by the employer conducts a medical examination or consultation pursuant to this section. The employer may condition its participation in, and payment for, multiple physician review upon the employee doing the following within fifteen days after receipt of this notice, or receipt of the initial physician's written opinion, whichever is later:

(A) Informing the employer that he or she intends to seek a medical opinion; and

(B) Initiating steps to make an appointment with a second physician.

(iii) If the findings, determinations, or recommendations of the second physician differ from those of the initial physician, then the employer and the employee shall assure that

efforts are made for the two physicians to resolve any disagreement.

(iv) If the two physicians have been unable to quickly resolve their disagreement, then the employer and the employee, through their respective physicians, shall designate a third physician to:

(A) Review any findings, determinations, or recommendations of the other two physicians; and

(B) Conduct such examinations, consultations, laboratory tests, and discussions with the other two physicians as the third physician deems necessary to resolve the disagreement among them.

(v) The employer shall act consistently with the findings, determinations, and recommendations of the third physician, unless the employer and the employee reach an agreement that is consistent with the recommendations of at least one of the other two physicians.

(n) Alternate physician determination. The employer and an employee or designated employee representative may agree upon the use of any alternate form of physician determination in lieu of the multiple physician review provided by (m) of this subsection, so long as the alternative is expeditious and at least as protective of the employee.

(o) Information the employer must provide the employee.

(i) The employer shall provide a copy of the physician's written medical opinion to the examined employee within five working days after receipt thereof.

(ii) The employer shall provide the employee with a copy of the employee's biological monitoring results and an explanation sheet explaining the results within five working days after receipt thereof.

(iii) Within thirty days after a request by an employee, the employer shall provide the employee with the information the employer is required to provide the examining physician under (i) of this subsection.

(p) Reporting. In addition to other medical events that are required to be reported on the OSHA Form No. 200, the employer shall report any abnormal condition or disorder caused by occupational exposure to cadmium associated with employment as specified in Chapter (V)(E) of the Bureau of Labor Statistics Recordkeeping Guidelines for Occupational Injuries and Illnesses.

(13) Communication of cadmium hazards to employees

(a) General. In communications concerning cadmium hazards, employers shall comply with the requirements of WISHA's Hazard Communication Standard, chapter 296-62 WAC, Part C, including but not limited to the requirements concerning warning signs and labels, material safety data sheets (MSDS), and employee information and training. In addition, employers shall comply with the following requirements:

(b) Warning signs.

(i) Warning signs shall be provided and displayed in regulated areas. In addition, warning signs shall be posted at all approaches to regulated areas so that an employee may read the signs and take necessary protective steps before entering the area.

(ii) Warning signs required by (b)(i) of this subsection shall bear the following information:

Danger, Cadmium, Cancer Hazard,
Can Cause Lung and Kidney Disease,
Authorized Personnel Only,
Respirators Required in This Area

(iii) The employer shall assure that signs required by this section are illuminated, cleaned, and maintained as necessary so that the legend is readily visible.

(c) Warning labels.

(i) Shipping and storage containers containing cadmium, cadmium compounds, or cadmium contaminated clothing, equipment, waste, scrap, or debris shall bear appropriate warning labels, as specified in (c)(ii) of this subsection.

(ii) The warning labels shall include at least the following information:

Danger, Contains Cadmium, Cancer Hazard,
Avoid Creating Dust,
Can Cause Lung and Kidney Disease

(iii) Where feasible, installed cadmium products shall have a visible label or other indication that cadmium is present.

(d) Employee information and training.

(i) The employer shall institute a training program for all employees who are potentially exposed to cadmium, assure employee participation in the program, and maintain a record of the contents of such program.

(ii) Training shall be provided prior to or at the time of initial assignment to a job involving potential exposure to cadmium and at least annually thereafter.

(iii) The employer shall make the training program understandable to the employee and shall assure that each employee is informed of the following:

(A) The health hazards associated with cadmium exposure, with special attention to the information incorporated in WAC 296-62-07441, Appendix A;

(B) The quantity, location, manner of use, release, and storage of cadmium in the workplace and the specific nature of operations that could result in exposure to cadmium, especially exposures above the PEL;

(C) The engineering controls and work practices associated with the employee's job assignment;

(D) The measures employees can take to protect themselves from exposure to cadmium, including modification of such habits as smoking and personal hygiene, and specific procedures the employer has implemented to protect employees from exposure to cadmium such as appropriate work practices, emergency procedures, and the provision of personal protective equipment;

(E) The purpose, proper selection, fitting, proper use, and limitations of respirators and protective clothing;

(F) The purpose and a description of the medical surveillance program required by subsection (12) of this section;

(G) The contents of this section and its appendices; and

(H) The employee's rights of access to records under chapter 296-62 WAC, Part B.

(iv) Additional access to information and training program and materials.

(A) The employer shall make a copy of this section and its appendices readily available to all affected employees and shall provide a copy without cost if requested.

(B) Upon request, the employer shall provide to the director or authorized representative, all materials relating to the employee information and the training program.

(e) Multiemployer workplace. In a multiemployer workplace, an employer who produces, uses, or stores cadmium in a manner that may expose employees of other employers to cadmium shall notify those employers of the potential hazard in accordance with WAC 296-800-170 of the chemical hazard communication program standard.

(14) Recordkeeping.

(a) Exposure monitoring.

(i) The employer shall establish and keep an accurate record of all air monitoring for cadmium in the workplace.

(ii) This record shall include at least the following information:

(A) The monitoring date, shift, duration, air volume, and results in terms of an eight-hour TWA of each sample taken, and if cadmium is not detected, the detection level;

(B) The name, Social Security number, and job classification of all employees monitored and of all other employees whose exposures the monitoring result is intended to represent, including, where applicable, a description of how it was determined that the employee's monitoring result could be taken to represent other employee's exposures;

(C) A description of the sampling and analytical methods used and evidence of their accuracy;

(D) The type of respiratory protective device, if any, worn by the monitored employee and by any other employee whose exposure the monitoring result is intended to represent;

(E) A notation of any other conditions that might have affected the monitoring results;

(F) Any exposure monitoring or objective data that were used and the levels.

(iii) The employer shall maintain this record for at least thirty years, in accordance with chapter 296-802 WAC.

(iv) The employer shall also provide a copy of the results of an employee's air monitoring prescribed in subsection (4) of this section to an industry trade association and to the employee's union, if any, or, if either of such associations or unions do not exist, to another comparable organization that is competent to maintain such records and is reasonably accessible to employers and employees in the industry.

(b) Objective data for exemption from requirement for initial monitoring.

(i) For purposes of this section, objective data are information demonstrating that a particular product or material containing cadmium or a specific process, operation, or activity involving cadmium cannot release dust or fumes in concentrations at or above the action level even under the worst-case release conditions. Objective data can be obtained from an industry-wide study or from laboratory product test results from manufacturers of cadmium-containing products or materials. The data the employer uses from an industry-wide survey must be obtained under workplace conditions closely resembling the processes, types of material, control methods,

work practices, and environmental conditions in the employer's current operations.

(ii) The employer shall maintain the record for at least 30 years of the objective data relied upon.

(c) Medical surveillance.

(i) The employer shall establish and maintain an accurate record for each employee covered by medical surveillance under (a)(i) of this subsection.

(ii) The record shall include at least the following information about the employee:

(A) Name, Social Security number, and description of duties;

(B) A copy of the physician's written opinions and of the explanation sheets for biological monitoring results;

(C) A copy of the medical history, and the results of any physical examination and all test results that are required to be provided by this section, including biological tests, X rays, pulmonary function tests, etc., or that have been obtained to further evaluate any condition that might be related to cadmium exposure;

(D) The employee's medical symptoms that might be related to exposure to cadmium; and

(E) A copy of the information provided to the physician as required by subsection (12)(i) of this section.

(iii) The employer shall assure that this record is maintained for the duration of employment plus thirty years, in accordance with chapter 296-802 WAC.

(iv) At the employee's request, the employer shall promptly provide a copy of the employee's medical record, or update as appropriate, to a medical doctor or a union specified by the employee.

(d) Training. The employer shall certify that employees have been trained by preparing a certification record which includes the identity of the person trained, the signature of the employer or the person who conducted the training, and the date the training was completed. The certification records shall be prepared at the completion of training and shall be maintained on file for one year beyond the date of training of that employee.

(e) Availability.

(i) Except as otherwise provided for in this section, access to all records required to be maintained by (a) through (d) of this subsection shall be in accordance with the provisions of chapter 296-802 WAC.

(ii) Within fifteen days after a request, the employer shall make an employee's medical records required to be kept by (c) of this subsection available for examination and copying to the subject employee, to designated representatives, to anyone having the specific written consent of the subject employee, and after the employee's death or incapacitation, to the employee's family members.

(f) Transfer of records. Whenever an employer ceases to do business and there is no successor employer or designated organization to receive and retain records for the prescribed period, the employer shall comply with the requirements concerning transfer of records set forth in chapter 296-802 WAC.

(15) Observation of monitoring.

(a) Employee observation. The employer shall provide affected employees or their designated representatives an

opportunity to observe any monitoring of employee exposure to cadmium.

(b) Observation procedures. When observation of monitoring requires entry into an area where the use of protective clothing or equipment is required, the employer shall provide the observer with that clothing and equipment and shall assure that the observer uses such clothing and equipment and complies with all other applicable safety and health procedures.

(16) Appendices.

(a) Compliance with the fit testing requirements in WAC 296-842-15005 are mandatory.

(b) Except where portions of WAC 296-62-07441, 296-62-07443, 296-62-07447, 296-62-07449, and 296-62-07451, Appendices A, B, D, E, and F, respectively, to this section are expressly incorporated in requirements of this section, these appendices are purely informational and are not intended to create any additional obligations not otherwise imposed or to detract from any existing obligations.

AMENDATORY SECTION (Amending WSR 07-05-072, filed 2/20/07, effective 4/1/07)

WAC 296-155-17613 Respiratory protection. (1) General. For employees who use respirators required by WAC 296-155-176, the employer must provide ~~((respirators that comply))~~ each employee with an appropriate respirator that complies with the requirements of this section. Respirators must be used during:

(a) Periods when an employee's exposure to lead exceeds the PEL.

(b) Work operations for which engineering controls and work-practices are not sufficient to reduce employee exposures to or below the PEL.

(c) Periods when an employee requests a respirator.

(d) Periods when respirators are required to provide interim protection of employees while they perform the operations as specified in WAC 296-155-17609(2).

(2) Respirator program.

(a) The employer must develop, implement, and maintain a respiratory protection program as required by chapter 296-842 WAC, Respirators, which covers each employee required by this chapter to use a respirator.

(b) If an employee has breathing difficulty during fit testing or respirator use, the employer must provide the employee with a medical examination as required by WAC 296-155-17621 (3)(a)(ii) to determine whether or not the employee can use a respirator while performing the required duty.

(3) Respirator selection. The employer must:

(a) Select and provide for employees appropriate respirators according to this section and WAC 296-842-13005 in the respirator rule.

(b) Provide employees with a powered air-purifying respirator (PAPR) when an employee chooses to use a PAPR and it provides adequate protection to the employee.

(c) Provide employees with full facepiece respirators instead of half facepiece respirators for protection against lead aerosols that may cause eye or skin irritation at the use concentration.

(d) Provide HEPA filters or N-, R-, or P-100 filters for powered air-purifying respirators (PAPRs) and negative-pressure air-purifying respirators.

AMENDATORY SECTION (Amending WSR 05-20-055, filed 10/3/05, effective 12/1/05)

WAC 296-155-17625 Employee information and training. (1) General.

(a) The employer shall communicate information concerning lead hazards according to the requirements of WISHA's Hazard Communication Standard for the construction industry, chapter 296-800 WAC, including but not limited to the requirements concerning warning signs and labels, material safety data sheets (MSDS), and employee information and training. In addition, employers shall comply with the following requirements:

(b) ~~((For all employees who are))~~ The employer shall train each employee who is subject to exposure to lead at or above the action level on any day or who ~~((are))~~ is subject to exposure to lead compounds which may cause skin or eye irritation (e.g., lead arsenate, lead azide), in accordance with the requirements of this chapter. The employer shall ~~((provide))~~ institute a training program in accordance with subsection (2) of this section and ~~((assure))~~ ensure employee participation.

(c) The employer shall provide the training program as initial training prior to the time of job assignment or prior to the start up date for this requirement, whichever comes last.

(d) The employer shall also provide the training program at least annually for each employee who is subject to lead exposure at or above the action level on any day.

(2) Training program. The employer shall assure that each employee is trained in the following:

(a) The content of this standard and its appendices;

(b) The specific nature of the operations which could result in exposure to lead above the action level;

(c) The training requirements for respiratory protection as required by WAC 296-842-110, 296-842-19005, and 296-842-16005;

(d) The purpose and a description of the medical surveillance program, and the medical removal protection program including information concerning the adverse health effects associated with excessive exposure to lead (with particular attention to the adverse reproductive effects on both males and females and hazards to the fetus and additional precautions for employees who are pregnant);

(e) The engineering controls and work practices associated with the employee's job assignment including training of employees to follow relevant good work practices described in Appendix B, WAC 296-155-17652;

(f) The contents of any compliance plan in effect;

(g) Instructions to employees that chelating agents should not routinely be used to remove lead from their bodies and should not be used at all except under the direction of a licensed physician; and

(h) The employee's right of access to records under Part B, chapter 296-62 WAC and chapter 296-800 WAC.

(3) Access to information and training materials.

(a) The employer shall make readily available to all affected employees a copy of this standard and its appendices.

(b) The employer shall provide, upon request, all materials relating to the employee information and training program to affected employees and their designated representatives, and the director.

AMENDATORY SECTION (Amending WSR 02-13-115, filed 6/19/02, effective 9/1/02)

WAC 296-155-717 Training. (1) **Training personnel.** Training required by this section must be provided by a qualified person(s).

(2) **Fall hazard training.** The employer ~~((must provide))~~ shall train each employee exposed to a fall hazard in accordance with the requirements of this chapter. The employer shall institute a training program ~~((for all employees exposed to fall hazards))~~ as required by chapter 296-155 WAC, Part C-1, and ensure employee participation in the program.

(3) **Special training programs.** In addition to the training required in subsection (2) of this section, the employer must provide special training to employees engaged in the following activities:

(a) Multiple lift rigging procedure. The employer must ensure that each employee who performs multiple lift rigging has been provided training in the following areas:

(i) The nature of the hazards associated with multiple lifts; and

(ii) The proper procedures and equipment to perform multiple lifts required by WAC 296-155-704(5).

(b) Connector procedures. The employer must ensure that each connector has been provided training in the following areas:

(i) The nature of the hazards associated with connecting (see Appendix D for nonmandatory training guidelines); and

(ii) The establishment, access, proper connecting techniques, double connections, and work practices, required by WAC 296-155-708(3) and Part C-1, chapter 296-155 WAC.

NEW SECTION

WAC 296-800-16002 Compliance duties owed to each employee. (1) Personal protective equipment. Standards in this part requiring the employer to provide personal protective equipment (PPE), including respirators and other types of PPE, because of hazards to employees impose a separate compliance duty with respect to each employee covered by the requirement. The employer must provide PPE to each employee required to use the PPE, and each failure to provide PPE to an employee may be considered a separate violation.

(2) Training. Standards in this part requiring training on hazards and related matters, such as standards requiring that employees receive training or that the employer train employees, provide training to employees, or institute or implement a training program, impose a separate compliance duty with respect to each employee covered by the requirement. The employer must train each affected employee in the manner required by the standard, and each failure to train an employee may be considered a separate violation.

AMENDATORY SECTION (Amending WSR 06-01-073, filed 12/20/05, effective 3/1/06)

WAC 296-811-40015 Self-contained breathing apparatus' (SCBAs).

~~((You must:))~~

• Provide SCBAs, other than escape self-contained breathing apparatus' (ESCBAs), and make sure they are used by each fire brigade member((s)) who ~~((do))~~ does interior structural fire fighting.

• Make sure SCBAs do the following:

– Meet the requirements found in ~~((another chapter, Respirators;))~~ chapter 296-842 WAC, Respirators.

– Are positive-pressure or pressure-demand type.

– Use only compressed-air cylinders that:

■ Meet department of transportation (DOT) and the National Institute for Occupational Safety and Health (NIOSH) requirements.

– Have a service life of at least thirty minutes, as required by 42 CFR, Part 84.

– Have an automatic alarm that can be heard when seventy-five to eighty percent of its service life has been used up.

Note: • An SCBA can have a quick-disconnect valve or "buddy breathing" accessory **only** if the valve or accessory **does not** do any of the following:

– Damage the SCBA.

– Restrict the SCBA's air flow.

– Interfere with the SCBA's normal operation.

– The "buddy breathing" accessory or quick-disconnect valve need not be certified by NIOSH.

AMENDATORY SECTION (Amending WSR 03-11-060, filed 5/19/03, effective 8/1/03)

WAC 296-817-20020 Make sure exposed employees receive training about noise and hearing protection.

You must:

• Train ~~((all))~~ each employee((s)) whose noise exposure equals or exceeds 85 dBA TWA₈

• Provide training when an employee is first assigned to a position involving noise exposure that equals or exceeds 85 dBA TWA₈ **and** at least annually after that

• Update information provided in the training program to be consistent with changes in controls, hearing protectors and work processes

• Make sure your noise and hearing protection training includes:

– The effects of noise on hearing (including both occupational and nonoccupational exposures)

– Noise controls used in your workplace

– The purpose of hearing protectors: The advantages, disadvantages, and attenuation of various types

– Instructions about selecting, fitting, using, and caring for hearing protection

– The purpose and procedures for program evaluation including audiometric testing and hearing protection auditing when you choose to rely upon auditing (see WAC 296-817-500)

– The employees' right to access records kept by the employer.

• Maintain a written program describing initial and refresher training.

AMENDATORY SECTION (Amending WSR 07-05-072, filed 2/20/07, effective 4/1/07)

WAC 296-842-12005 Develop and maintain a written program.

Exemption: This section does NOT apply to respirator use that is voluntary. See WAC 296-842-11005 for voluntary use program requirements.

(1) Develop a complete worksite-specific written respiratory protection program that includes the applicable elements listed in Table 3. The program shall cover each employee required by this section to use a respirator.

Note: Pay for respirators, medical evaluations, fit testing, training, maintenance, travel costs, and wages.

(2) Keep your program current and effective by evaluating it and making corrections. Do ALL of the following:

(a) Make sure procedures and program specifications are followed and appropriate.

(b) Make sure selected respirators continue to be effective in protecting employees. For example, if changes in work area conditions, level of employee exposure, or employee physical stress have occurred, you need to reevaluate your respirator selection.

(c) Have supervisors periodically monitor employee respirator use to make sure employees are using them properly.

(d) Regularly ask employees required to use respirators about their views concerning program effectiveness and whether they have problems with:

- Respirator fit during use
- Any effects of respirator use on work performance
- Respirators being appropriate for the hazards encountered
- Proper use under current worksite conditions
- Proper maintenance.

(e) When developing your written program include applicable elements listed in Table 3.

Table 3

Required Elements for Required-Use Respirator Programs	
<ul style="list-style-type: none"> • Selection: <ul style="list-style-type: none"> – Procedures for respirator selection – A list specifying the appropriate respirator for each respiratory hazard in your workplace – Procedures for issuing the proper type of respirator, if appropriate 	
<ul style="list-style-type: none"> • Medical evaluation provisions 	
<ul style="list-style-type: none"> • Fit-test provisions and procedures, if tight-fitting respirators are selected 	
<ul style="list-style-type: none"> • Training provisions that address: <ul style="list-style-type: none"> – Respiratory hazards encountered during: <ul style="list-style-type: none"> ■ Routine activities ■ Infrequent activities, for example, bimonthly cleaning of equipment ■ Reasonably foreseeable emergencies, for example, rescue, spill response, or escape situations – Proper use of respirators, for example, how to put on or remove respirators, and use limitations. <p>Note: You do NOT need to repeat training on respiratory hazards if employees have been trained on this in compliance with other rules such as WAC 296-800-170, employer chemical hazard communication in the ((WISHA)) <u>DOSH</u> safety and health core rules.</p>	
<ul style="list-style-type: none"> • Respirator use procedures for: <ul style="list-style-type: none"> – Routine activities – Infrequent activities – Reasonably foreseeable emergencies 	
<ul style="list-style-type: none"> • Maintenance: <ul style="list-style-type: none"> – Procedures and schedules for respirator maintenance covering: <ul style="list-style-type: none"> ■ Cleaning and disinfecting ■ Storage ■ Inspection and repair ■ When to discard respirators – A cartridge or canister change schedule IF air-purifying respirators are selected for use against gas or vapor contaminants AND an end-of-service-life-indicator (ESLI) is not available. In addition, provide: <ul style="list-style-type: none"> ■ The data and other information you relied on to calculate change schedule values (for example, highest contaminant concentration estimates, duration of employee respirator use, expected maximum humidity levels, user breathing rates, and safety factors) 	
<ul style="list-style-type: none"> • Procedures to ensure a safe air quantity and quality IF atmosphere-supplying respirators (air-line or SCBA) are selected 	
<ul style="list-style-type: none"> • Procedures for evaluating program effectiveness on a regular basis 	

AMENDATORY SECTION (Amending WSR 07-05-072, filed 2/20/07, effective 4/1/07)

WAC 296-848-40045 Respirators.

IMPORTANT:

The requirements in this section are in addition to the requirements found in other chapters:

- Airborne contaminants, chapter 296-841 WAC.
- Respirators, chapter 296-842 WAC.

You must:

• Provide ((respirators)) each employee with an appropriate respirator that complies with the requirements of this section, and require that employees use them in circumstances where exposure is above the permissible exposure limit (PEL), including any of the following circumstances:

- Employees are in an exposure control area.
- Feasible exposure controls are being put in place.
- Where you determine that exposure controls are not feasible.

– Feasible exposure controls do not reduce exposures to, or below, the PEL.

- Emergencies.

• Provide high-efficiency particulate air (HEPA) filters or N-, R-, or P-100 filters for powered air-purifying respirators (PAPRs) and negative-pressure air-purifying respirators.

• Provide a powered air-purifying respirator (PAPR) to employees required to use respirators when:

- The employee chooses to use this type of respirator or a licensed health care professional (LHCP) recommends this type of respirator in their written opinion.

AND

– It will provide proper protection.

• Follow these additional specifications for inorganic arsenic compounds with significant vapor pressure such as arsenic trichloride and arsenic phosphide:

- Select front- or back-mounted gas masks equipped with HEPA filters and acid gas canisters or any full facepiece supplied-air respirator, when concentrations are at or below 500 mg/m³.

– Select for powered air-purifying respirators (PAPRs) and negative-pressure air-purifying respirators equipped with HEPA (or equivalent) filters and acid gas cartridges when concentrations are at or below 100.

• Prohibit the use of half-facepiece respirators for protection against arsenic trichloride. This is because arsenic trichloride is corrosive and rapidly absorbed through the skin.

Note: When selecting air-purifying respirators for protection against inorganic arsenic, you'll need to consider whether other contaminants could be present at levels above permissible exposure limits and determine if a combination filter/gas-sorbent cartridge or canister is appropriate.

AMENDATORY SECTION (Amending WSR 07-05-072, filed 2/20/07, effective 4/1/07)

WAC 296-849-13045 Respirators.

IMPORTANT:

These requirements are in addition to the requirements found in other chapters:

- Airborne contaminants, chapter 296-841 WAC;
- Respirators, chapter 296-842 WAC.

You must:

• Provide ((respirators)) each employee with an appropriate respirator that complies with the requirements of this section, and require that employees use them in circumstances where exposure is above either permissible exposure limit (PEL) for benzene, including any of the following circumstances:

- Employees are in an exposure control area;
- Feasible exposure controls are being put in place;
- Where you determine that exposure controls are not feasible;

– Feasible exposure controls do not reduce exposures to, or below, a PEL;

- Emergencies.

• Provide employees, for escape, either:

- Any full-facepiece organic vapor gas mask;

OR

– Any full-facepiece self-contained breathing apparatus (SCBA);

OR

– A hood-style SCBA that operates in positive-pressure mode.

• Use organic vapor cartridges or canisters on powered air-purifying respirators (PAPRs) and negative-pressure air-purifying respirators.

• Use only chin-style canisters on full-facepiece gas masks.

Note: When other contaminants present a hazard, then you will need to use a filter or other combination sorbent cartridge that removes the additional contaminants.

You must:

• Make sure respirator cartridges or canisters are replaced at the beginning of each work shift, or sooner if their service life has expired.

• Make sure canisters on air-purifying respirators have a minimum service life of four hours when tested under these conditions:

- A benzene concentration of 150 ppm;

– A temperature of 25°C;

– A relative humidity of 85%;

– A flow rate of one of the following:

■ 64 liters per minute (lpm) for nonpowered air-purifying respirators;

■ 115 lpm for **tight-fitting** PAPRs;

■ 170 lpm for **loose-fitting** PAPRs.

• Provide an employee a respirator with low breathing resistance, such as a PAPR or an air-line respirator when the:

- Employee cannot use a negative-pressure respirator;

OR

– A licensed health care professional's (LHCP's) written opinion allows this type of respirator.

AMENDATORY SECTION (Amending WSR 07-05-072, filed 2/20/07, effective 4/1/07)

WAC 296-855-40040 Respirators.

IMPORTANT:

The requirements in this section are in addition to the requirements found in another chapter, Respirators, chapter 296-842 WAC.

Medical evaluations meeting all requirements of WAC 296-855-30030, will fulfill the medical evaluation requirement found in another chapter, Respirators, chapter 296-842 WAC.

You must:

- Provide ~~((respirators))~~ each employee with an appropriate respirator that complies with the requirements of this section, and require that employees use them in circumstances where exposure is above either PEL, such as when:
 - Feasible exposure controls are being put in place.
 - Employees conduct work operations such as maintenance and repair activities or vessel cleaning for which exposure controls are not feasible.
 - Feasible exposure controls do not reduce exposures to or below the PELs.
 - Employees are responding to emergencies.
- Ensure all respirator use is accompanied by eye protection either through the use of full-facepiece respirators, hoods, or chemical goggles.
 - Develop, implement, and maintain a respirator program that meets the requirements of another chapter, Respirators, chapter 296-842 WAC, which covers each employee required by this chapter to use a respirator.
 - Select and provide to employees appropriate respirators according to this section and WAC 296-842-13005 in the respirator rule.
 - Limit selection and use of respirators, including escape respirators, to those with a full-facepiece or another type of respirator providing eye protection. This is necessary to prevent eye irritation or injury from EtO exposure.
 - Equip full-facepiece air-purifying respirators, including escape respirators, with a front- or back-mounted canister certified for protection against ethylene oxide.

AMENDATORY SECTION (Amending WSR 07-05-072, filed 2/20/07, effective 4/1/07)

WAC 296-856-40030 Respirators.

IMPORTANT:

- The requirements in this section are in addition to the requirements found in the following separate chapters:
 - Respiratory hazards, chapter 296-841 WAC.
 - Respirators, chapter 296-842 WAC.
- Medical evaluations meeting all requirements of Medical and emergency evaluations, WAC 296-856-30020, will fulfill the medical evaluations requirements found in Respirators, chapter 296-842 WAC, a separate chapter.

You must:

- Develop, implement, and maintain a respirator program as required by chapter 296-842 WAC, Respirators, which covers each employee required by this chapter to use a respirator.
 - Require that employees use respirators in any of the following circumstances:
 - Employees are in an exposure control area.
 - Feasible exposure controls are being put in place.
 - Where you determine that exposure controls are not feasible.
 - Feasible exposure controls do not reduce exposures to, or below, the PEL.

- Employees are performing tasks presumed to have exposures above the PEL.

- Emergencies.

- Select, and provide to ~~((employees))~~ each employee who uses a respirator required by this chapter, an appropriate respirator~~((s))~~ as specified in this section and in WAC 296-842-13005 in the respirator rule.

- Equip full-facepiece air-purifying respirators with cartridges or canisters approved for protection against formaldehyde.

- Provide to employees, for escape, one of the following respirator options:

- A self-contained breathing apparatus operated in demand or pressure-demand mode;

OR

- A full-facepiece air-purifying respirator equipped with a chin-style, or front- or back-mounted industrial size canister or cartridge.

- Make sure all air-purifying respirator use is accompanied by eye protection either through the use of full-facepiece models or effective, gas-proof chemical goggles.

- Provide employees with powered air-purifying respirators (PAPRs) when:

- The employee has difficulty using a negative pressure respirator or a LHCP recommends this type of respirator;

AND

- The employee chooses to use this type of respirator.

- Replace the chemical cartridges or canisters on air-purifying respirators;

- When indicated by NIOSH-approved, end-of-service-life indicators if these are used;

OR

- When NIOSH-approved ESLIs aren't used:

- At times specified by your cartridge change schedule;

OR

- At the end of the work shift, when this occurs before the time indicated by your cartridge change schedule.

WSR 09-15-150

PERMANENT RULES

WASHINGTON STATE PATROL

[Filed July 21, 2009, 10:19 a.m., effective August 21, 2009]

Effective Date of Rule: Thirty-one days after filing.

Purpose: The change made to WAC 204-24-040 in 2008 was to include the new labeling that manufacturers are using. The change was intended to outline that tires meeting the specifications are marked with either one of two options (M&S labeling or the mountain snowflake symbol). During the change in 2008, the word "or" was not inserted between the two options causing the rule to imply that both are required, which is not the case. This proposal will add the word "or" so that it is clear that either one is acceptable.

Citation of Existing Rules Affected by this Order: Amending WAC 204-24-040.

Statutory Authority for Adoption: RCW 46.37.005 and 46.37.420.

Adopted under notice filed as WSR 09-11-041 on May 12, 2009.

Number of Sections Adopted in Order to Comply with Federal Statute: New 0, Amended 0, Repealed 0; Federal Rules or Standards: New 0, Amended 0, Repealed 0; or Recently Enacted State Statutes: New 0, Amended 0, Repealed 0.

Number of Sections Adopted at Request of a Nongovernmental Entity: New 0, Amended 0, Repealed 0.

Number of Sections Adopted on the Agency's Own Initiative: New 0, Amended 1, Repealed 0.

Number of Sections Adopted in Order to Clarify, Streamline, or Reform Agency Procedures: New 0, Amended 1, Repealed 0.

Number of Sections Adopted Using Negotiated Rule Making: New 0, Amended 0, Repealed 0; Pilot Rule Making: New 0, Amended 0, Repealed 0; or Other Alternative Rule Making: New 0, Amended 0, Repealed 0.

Date Adopted: July 21, 2009.

John R. Batiste
Chief

AMENDATORY SECTION (Amending WSR 08-24-030, filed 11/24/08, effective 12/25/08)

WAC 204-24-040 Traction devices. The following equipment items are approved by the state patrol for use as traction devices wherever traction devices are required by the department of transportation:

(1) Tire chains meeting the standards in WAC 204-24-020.

(2) Studded tires meeting the standards in WAC 204-24-030.

(3) Approved traction tires. An approved traction tire must have the following tread characteristics:

(a) A minimum of 4/32 inch tread, measured in the center portion of the tire at three locations equally spaced around the circumference of the tire.

(b) A relatively aggressive tread pattern designed primarily to provide additional starting, stopping, and driving traction on snow or ice. The tread must have ribs, lugs, blocks or buttons the edges of which are at an angle greater than thirty degrees to the tire circumferential centerline.

(c) On at least one side of the tread design, the shoulder lugs protrude at least 1/2-inch in a direction generally perpendicular to the direction of travel.

(d) Tires manufactured to meet these specifications must:

(i) Be permanently labeled on at least one sidewall with the words "mud and snow" or any contraction using the letters "M" and "S" (e.g. MS, M/S, M-S, M & S, etc.); or

(ii) Be permanently labeled on at least one side wall with the mountain/snowflake symbol.

WSR 09-15-152

PERMANENT RULES

DEPARTMENT OF AGRICULTURE

[Filed July 21, 2009, 10:27 a.m., effective August 21, 2009]

Effective Date of Rule: Thirty-one days after filing.

Purpose: The United States National Organic Program was amended in October 2008. The current WAC 16-157-020 adopts the September 11, 2006, version of the National Organic Program and needs to be updated. The rule making adopts the most current version of the National Organic Program dated October 9, 2008.

Statutory Authority for Adoption: Chapter 15.86 RCW.

Other Authority: Chapter 34.05 RCW.

Adopted under notice filed as WSR 09-11-034 on May 11, 2009.

Number of Sections Adopted in Order to Comply with Federal Statute: New 0, Amended 0, Repealed 0; Federal Rules or Standards: New 0, Amended 1, Repealed 0; or Recently Enacted State Statutes: New 0, Amended 0, Repealed 0.

Number of Sections Adopted at Request of a Nongovernmental Entity: New 0, Amended 0, Repealed 0.

Number of Sections Adopted on the Agency's Own Initiative: New 0, Amended 1, Repealed 0.

Number of Sections Adopted in Order to Clarify, Streamline, or Reform Agency Procedures: New 0, Amended 0, Repealed 0.

Number of Sections Adopted Using Negotiated Rule Making: New 0, Amended 0, Repealed 0; Pilot Rule Making: New 0, Amended 0, Repealed 0; or Other Alternative Rule Making: New 0, Amended 0, Repealed 0.

Date Adopted: July 21, 2009.

Dan Newhouse
Director

AMENDATORY SECTION (Amending WSR 06-23-108, filed 11/17/06, effective 12/18/06)

WAC 16-157-020 Adoption of the National Organic Program. The Washington state department of agriculture adopts the standards of the National Organic Program, 7 CFR Part 205, effective ~~((September 11, 2006))~~ October 9, 2008, for the production and handling of organic crops, livestock, and processed food products. The National Organic Program rules may be obtained from the department.

WSR 09-15-190

PERMANENT RULES

DEPARTMENT OF HEALTH

[Filed July 22, 2009, 10:00 a.m., effective August 22, 2009]

Effective Date of Rule: Thirty-one days after filing.

Purpose: WAC 246-16-800 through 246-16-890, sanction schedule. These rules adopt a sanction schedule for disciplinary action in all credentialed health care professions as required by RCW 18.130.390.

Statutory Authority for Adoption: RCW 18.130.390.

Adopted under notice filed as WSR 09-10-089 on May 6, 2009.

Changes Other than Editing from Proposed to Adopted Version: Tier descriptions in WAC 246-16-810 Practice below standard of care, 246-16-820 Sexual misconduct or contact, and 246-16-830 Abuse, were changed to clarify the differences between the tiers.

Number of Sections Adopted in Order to Comply with Federal Statute: New 0, Amended 0, Repealed 0; Federal Rules or Standards: New 0, Amended 0, Repealed 0; or Recently Enacted State Statutes: New 8, Amended 0, Repealed 0.

Number of Sections Adopted at Request of a Nongovernmental Entity: New 0, Amended 0, Repealed 0.

Number of Sections Adopted on the Agency's Own Initiative: New 0, Amended 0, Repealed 0.

Number of Sections Adopted in Order to Clarify, Streamline, or Reform Agency Procedures: New 0, Amended 0, Repealed 0.

Number of Sections Adopted Using Negotiated Rule Making: New 0, Amended 0, Repealed 0; Pilot Rule Making: New 0, Amended 0, Repealed 0; or Other Alternative Rule Making: New 8, Amended 0, Repealed 0.

Date Adopted: July 22, 2009.

Mary C. Selecky
Secretary

SANCTIONS

NEW SECTION

WAC 246-16-800 Sanctions—General provisions. (1) Applying these rules.

(a) The disciplining authorities listed in RCW 18.130.040(2) will apply these rules to determine sanctions imposed for unprofessional conduct by a license holder in any active, inactive, or expired status. The rules do not apply to applicants.

(b) The disciplining authorities will apply the rules in:

(i) Orders under RCW 18.130.110 or 18.130.160; and

(ii) Stipulations to informal disposition under RCW 18.130.172.

(c) Sanctions will begin on the effective date of the order.

(2) Selecting sanctions.

(a) The disciplining authority will select sanctions to protect the public and, if possible, rehabilitate the license holder.

(b) The disciplining authority may impose the full range of sanctions listed in RCW 18.130.160 for orders and RCW 18.130.172 for stipulations to informal dispositions.

(i) Suspension or revocation will be imposed when the license holder cannot practice with reasonable skill or safety.

(ii) Permanent revocation may be imposed when the disciplining authority finds the license holder can never be rehabilitated or can never regain the ability to practice safely.

(iii) Surrender of a credential may be imposed when the license holder is at the end of his or her effective practice and surrender alone is enough to protect the public. The license holder must agree to retire and not resume practice.

(iv) Indefinite suspension may be imposed in default and waiver of hearing orders. If indefinite suspension is not imposed in a default or waiver of hearing order, the disciplining authority shall impose sanctions determined according to these rules.

(v) "Oversight" means a period of time during which respondent must engage in on-going affirmative conduct intended to encourage rehabilitation and ensure public safety. It also includes active compliance monitoring by the disciplining authority. The passage of time without additional complaints or violations, with or without payment of a fine or costs, is not, by itself, oversight.

(c) The disciplining authority may deviate from the sanction schedules in these rules if the schedule does not adequately address the facts in a case. The disciplining authority will acknowledge the deviation and state its reasons for deviating from the sanction schedules in the order or stipulation to informal disposition.

(d) If the unprofessional conduct is not described in a schedule, the disciplining authority will use its judgment to determine appropriate sanctions. The disciplining authority will state in the order or stipulation to informal disposition that no sanction schedule applies.

(3) Using sanction schedules.

(a) Step 1: The findings of fact in an order or the allegations in an informal disposition describe the unprofessional conduct. The disciplining authority uses the unprofessional conduct described to select the appropriate sanction schedule contained in WAC 246-16-810 through 246-16-860.

(i) If the act of unprofessional conduct falls in more than one sanction schedule, the greater sanction is imposed.

(ii) If different acts of unprofessional conduct fall in the same sanction schedule, the highest sanction is imposed and the other acts of unprofessional conduct are considered aggravating factors.

(b) Step 2: The disciplining authority identifies the severity of the unprofessional conduct and identifies a tier using the sanction schedule tier descriptions.

(c) Step 3: The disciplining authority identifies aggravating or mitigating factors using the list in WAC 246-16-890. The disciplining authority describes the factors in the order or stipulation to informal disposition.

(d) Step 4: The disciplining authority selects sanctions within the identified tier. The starting point for duration of the sanctions is the middle of the tier range.

(i) Aggravating factors move the appropriate sanctions towards the maximum end of the tier range.

(ii) Mitigating factors move the appropriate sanctions towards the minimum end of the tier range.

(iii) Mitigating or aggravating factors may result in determination of a sanction outside the range in the tier. The disciplining authority will state its reasons for deviating from the tier range in the sanction schedule in the order or stipulation to informal disposition. The disciplining authority has complied with these rules if it acknowledges the deviation and states its reasons for deviating from the sanction schedules in the order or stipulation to informal disposition.

NEW SECTION

WAC 246-16-810 Sanction schedule—Practice below standard of care.

PRACTICE BELOW STANDARD OF CARE				
Severity	Tier / Conduct	Sanction Range In consideration of Aggravating & Mitigating Circumstances		Duration
		Minimum	Maximum	
least  greatest	A – Caused no or minimal patient harm or a risk of minimal patient harm	Conditions that may include reprimand, training, monitoring, supervision, probation, evaluation, etc.	Oversight for 3 years which may include reprimand, training, monitoring, supervision, evaluation, probation, suspension, etc.	0-3 years
	B – Caused moderate patient harm or risk of moderate to severe patient harm	Oversight for 2 years which may include suspension, probation, practice restrictions, training, monitoring, supervision, probation, evaluation, etc.	Oversight for 5 years which may include suspension, probation, practice restrictions, training, monitoring, supervision, probation, evaluation, etc. OR revocation.	2 years - 5 years unless revocation
	C – Caused severe harm or death to a human patient	Oversight for 3 years which may include suspension, probation, practice restrictions, training, monitoring, supervision, probation, evaluation, etc. In addition - demonstration of knowledge or competency.	Permanent conditions, restrictions or revocation.	3 years - permanent

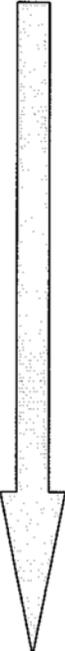
NEW SECTION

WAC 246-16-820 Sanction schedule—Sexual misconduct or contact.

SEXUAL MISCONDUCT OR CONTACT (including convictions for sexual misconduct)				
Severity	Tier / Conduct	Sanction Range In consideration of Aggravating & Mitigating Circumstances		Duration
		Minimum	Maximum	
least  greatest	A –Inappropriate conduct, contact, or statements of a sexual or romantic nature	Conditions that may include reprimand, training, monitoring, probation, supervision, evaluation, etc.	Oversight for 3 years which may include reprimand, training, monitoring, supervision, evaluation, probation, suspension, etc.	0-3 years
	B – Sexual contact, romantic relationship, or sexual statements that risk or result in patient harm	Oversight for 2 years which may include suspension, probation, practice restrictions, training, monitoring, supervision, probation, evaluation, etc.	Oversight for 5 years which may include suspension, probation, practice restrictions, training, monitoring, supervision, probation, evaluation, etc. OR revocation.	2 years - 5 years unless revocation
	C – Sexual contact, including but not limited to contact involving force and/or intimidation, and convictions of sexual offenses in RCW 9.94A.030.	1 year suspension AND oversight for 5 additional years which may include suspension, probation, practice restrictions, training, monitoring, supervision, probation, evaluation, etc. AND demonstration of successful completion of evaluation and treatment.	Permanent conditions, restrictions, or revocation.	6 years - permanent

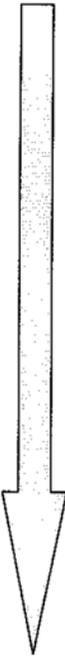
NEW SECTION

WAC 246-16-840 Sanction schedule—Diversion of controlled substances or legend drugs.

DIVERSION OF CONTROLLED SUBSTANCES OR LEGEND DRUGS				
Severity	Tier/Conduct	Sanction Range In consideration of Aggravating & Mitigating Circumstances		Duration
		Minimum	Maximum	
least  greatest	A – Diversion with no or minimal patient harm or risk of harm	Conditions that may include reprimand, training, monitoring, probation, supervision, evaluation, treatment, etc.	Oversight for 5 years which may include reprimand, training, monitoring, supervision, evaluation, probation, suspension, treatment etc.	0-5 years
	B – Diversion with moderate patient harm or risk of harm or for distribution	Oversight for 2 years which may include suspension, probation, practice restrictions, training, monitoring, supervision, probation, evaluation, treatment, etc.	Oversight for 7 years which may include suspension, probation, practice restrictions, training, monitoring, supervision, probation, evaluation, treatment, etc. OR revocation.	2 - 7 years unless revocation
	C – Diversion with severe physical injury or death of a patient or a risk of severe physical injury or death or for substantial distribution to others	1 year suspension AND oversight for 5 additional years which may include suspension, probation, practice restrictions, training, monitoring, supervision, probation, evaluation, etc. AND demonstration of successful completion of evaluation and treatment.	Permanent conditions, restrictions OR revocation.	6 years - permanent

NEW SECTION

WAC 246-16-850 Sanction schedule—Substance abuse.

SUBSTANCE ABUSE				
Severity	Tier / Conduct	Sanction Range In consideration of Aggravating & Mitigating Circumstances		Duration
		Minimum	Maximum	
least  greatest	A – Misuse of drugs or alcohol with no to minimal patient harm or risk of harm	Conditions that may include reprimand, training, monitoring, probation, supervision, evaluation, treatment, etc.	Oversight for 5 years which may include reprimand, training, monitoring, supervision, evaluation, probation, suspension, treatment, etc.	0-5 years
	B – Misuse of drugs or alcohol with moderate patient harm or risk of harm	Oversight for 2 years which may include suspension, probation, practice restrictions, training, monitoring, supervision, probation, evaluation, treatment, etc.	Oversight for 7 years which may include suspension, probation, practice restrictions, training, monitoring, supervision, probation, evaluation, treatment, etc. OR revocation.	2 - 7 years unless revocation
	C – Misuse of drugs or alcohol with severe physical injury or death of a patient or a risk of significant physical injury or death	1 year suspension AND oversight for 5 additional years which may include suspension, probation, practice restrictions, training, monitoring, supervision, probation, evaluation, etc. AND demonstration of successful completion of evaluation and treatment.	Permanent conditions, restrictions OR revocation.	6 years - permanent

NEW SECTION

WAC 246-16-860 Sanction schedule—Criminal convictions.

CRIMINAL CONVICTIONS (excluding sexual misconduct)				
Severity	Tier / Conviction	Sanction Range In consideration of Aggravating & Mitigating Circumstances		Duration
		Minimum	Maximum	
least  greatest	A – Conviction of a Gross Misdemeanor except sexual offenses in RCW 9.94A.030	Conditions that may include reprimand, training, monitoring, probation, supervision, evaluation, etc.	Oversight for 5 years which may include reprimand, training, monitoring, supervision, evaluation, probation, suspension, etc.	0-5 years
	B – Conviction of a Class B, C, OR Unclassified Felony, except sexual offenses in RCW 9.94A.030	Oversight for 2 years which may include suspension, probation, practice restrictions, training, monitoring, supervision, probation, evaluation, etc.	Oversight for 5 years which may include suspension, probation, practice restrictions, training, monitoring, supervision, probation, evaluation, etc. OR revocation.	2 years - 5 years unless revocation
	C – Conviction of a Class A Felony, except sexual offenses in RCW 9.94A.030	5 years suspension	Permanent revocation	5 years - permanent revocation

NEW SECTION

WAC 246-16-890 Sanctions—Aggravating and mitigating factors. The following nonexclusive list identifies factors that may mitigate or aggravate the sanctions that should be imposed in an order or stipulation to informal disposition.

- (1) Factors related to the unprofessional conduct:
 - (a) Gravity of the unprofessional conduct;
 - (b) Age, capacity and/or vulnerability of the patient, client or victim;
 - (c) Number or frequency of the acts of unprofessional conduct;
 - (d) Injury caused by the unprofessional conduct;
 - (e) Potential for injury to be caused by the unprofessional conduct;
 - (f) Degree of responsibility for the outcome;
 - (g) Abuse of trust;
 - (h) Intentional or inadvertent act(s);
 - (i) Motivation is criminal, immoral, dishonest or for personal gain;
 - (j) Length of time since the unprofessional conduct occurred.
- (2) Factors related to the license holder:
 - (a) Experience in practice;

- (b) Past disciplinary record;
- (c) Previous character;
- (d) Mental and/or physical health;
- (e) Personal circumstances;
- (f) Personal problems having a nexus with the unprofessional conduct.
- (3) Factors related to the disciplinary process:
 - (a) Admission of key facts;
 - (b) Full and free disclosure to the disciplining authority;
 - (c) Voluntary restitution or other remedial action;
 - (d) Bad faith obstruction of the investigation or discipline process or proceedings;
 - (e) False evidence, statements or deceptive practices during the investigation or discipline process or proceedings;
 - (f) Remorse or awareness that the conduct was wrong;
 - (g) Impact on the patient, client, or victim.
- (4) General factors:
 - (a) License holder's knowledge, intent, and degree of responsibility;
 - (b) Presence or pattern of other violations;
 - (c) Present moral fitness of the license holder;
 - (d) Potential for successful rehabilitation;
 - (e) Present competence to practice;
 - (f) Dishonest or selfish motives;

- (g) Illegal conduct;
- (h) Heinousness of the unprofessional conduct;
- (i) Ill repute upon the profession;
- (j) Isolated incident unlikely to reoccur.

WSR 09-15-191
PERMANENT RULES
DEPARTMENT OF
FINANCIAL INSTITUTIONS

[Filed July 22, 2009, 10:37 a.m., effective August 22, 2009]

Effective Date of Rule: Thirty-one days after filing.

Purpose: Technical amendment of WAC 208-544-039 (1)(d) to correct two typographical errors. In place of "8,373," the number should have been "8,732." In place of "165,562," the number should have been "165,560." The formula contained in the table at WAC 208-544-039 (1)(d) is correct and results in the correct number.

Citation of Existing Rules Affected by this Order: Amending WAC 208-544-039.

Statutory Authority for Adoption: Section 30, chapter 285, Laws of 2008, RCW 30.04.030, 43.320.040, and 34.05.-353 (1)(c).

Adopted under notice filed as WSR 09-03-107 on January 21, 2009.

Number of Sections Adopted in Order to Comply with Federal Statute: New 0, Amended 0, Repealed 0; Federal Rules or Standards: New 0, Amended 0, Repealed 0; or Recently Enacted State Statutes: New 0, Amended 1, Repealed 0.

Number of Sections Adopted at Request of a Nongovernmental Entity: New 0, Amended 0, Repealed 0.

Number of Sections Adopted on the Agency's Own Initiative: New 0, Amended 1, Repealed 0.

Number of Sections Adopted in Order to Clarify, Streamline, or Reform Agency Procedures: New 0, Amended 1, Repealed 0.

Number of Sections Adopted Using Negotiated Rule Making: New 0, Amended 0, Repealed 0; Pilot Rule Making: New 0, Amended 0, Repealed 0; or Other Alternative Rule Making: New 0, Amended 0, Repealed 0.

Date Adopted: July 22, 2009.

Brad Williamson
 Director of Banks

AMENDATORY SECTION (Amending WSR 08-18-079, filed 9/3/08, effective 10/6/08)

WAC 208-544-039 Charges and fees effective October 6, 2008. (1) Effective October 6, 2008, the rate of charges and fees under WAC 208-512-045, 208-544-020 and 208-544-030 shall be as follows:

- (a) WAC 208-512-045 (1)(c) and (d) - The fee shall be \$100.00 for the issuance and filing of certificates.
- (b) WAC 208-512-045 (1)(e) - The fee shall be 50 cents per page.
- (c) WAC 208-512-045(2) - The fee shall be \$111.64 per employee hour expended.

(d) WAC 208-544-020(1) - The rates shall be the following:

If total assets are:			The assessment is:	
Over Million	But not Over Million	This Amount	Plus	Of Excess Over Million
0	500	0	0.000017464	0
500	1,000	((8,373)) 8,732	0.000016746	500
1,000	10,000	17,105	0.000016495	1,000
10,000	—	((165,562)) 165,560	.000	10,000

(e) WAC 208-544-020(2) - The rate shall be 0.04005.

(f) WAC 208-544-030(1) - The fee shall be \$80.60 per hour.

(g) WAC 208-544-030(2) - The fee shall be \$111.64 per hour.

(2) The director may waive any or all of the charges and/or fees imposed under this section, in whole or in part, when he or she determines that both of the following factors are present:

(a) The banking program fund exceeds the projected acceptable minimum fund balance level approved by the office of financial management (OFM); and

(b) That such course of action would be fiscally prudent.

(3)(a) If the charges and fees assessed under WAC 208-544-020(1) relating to a semiannual asset charge and WAC 208-544-030(1) relating to the hourly examination fee exceed ninety-five percent of the charges and fees applicable for a two-year period of the comparable federal chartering regulator (CFCR) or its successor then the charges and fees paid in excess of such amount shall be rebated to the institution pursuant to (d) of this subsection unless abated by the director as provided in (e) of this subsection.

(b) For purposes of determining rebate entitlement, the total of semiannual asset charges and examination fees will be determined by adding the monthly average semiannual asset charge and the monthly average examination fee for any twenty-four month period beginning on or after July 1, 2000. The monthly average semiannual asset charge is determined by dividing the semiannual asset charges by six and applying the monthly average to the previous six months. The monthly average examination fee is determined by dividing the examination fee for each examination during the averaging period by the number of months between each such examination and the previous examination as determined by the date of the examinations and applying the monthly average to those months. The CFR charge is determined in the same manner. Under no circumstances will an institution be permitted to calculate a rebate based on a period of time that was included, in whole or in part, in the calculation of another rebate under this section.

(c) The rebate is determined by the difference between the sum of the applicable monthly average state charges and fees for the twenty-four month period minus ninety-five percent of the sum of the applicable monthly average CFR charges and fees for the same period, as each are determined in (b) of this subsection.

(d) Entitlement of the rebate will occur only upon petition and satisfactory proof to the director.

(e) Rebate abatement. At the discretion of the director, all or part of the rebate determined under (d) of this subsection may be denied if the director determines that:

(i) The institution required a substantially greater than average amount of supervisory time for reasons other than as a result of economic, legal, regulatory, or other conditions beyond the control of competent management;

(ii) The institution required a substantially greater than average amount of examination time for an institution of its size for reasons other than as a result of economic, legal, regulatory, or other conditions beyond the control of competent management;

(iii) Examinations or investigations were performed by third parties under personal services contracts;

(iv) The banking program fund does not exceed the projected acceptable minimum fund balance level approved by OFM or is insufficient to satisfy the rebates under this subsection and still maintain the operations of the department at a fiscally prudent level;

(v) The institution maintained a composite uniform financial institution rating (CAMELS) of 3, 4 or 5 during any time during the rebate period; or

(vi) Such other factors as the director may deem equitable or relevant.

(f) Institutions may become eligible to receive a rebate after June 30, 2002, for amounts paid on or after July 1, 2000.

Reviser's note: RCW 34.05.395 requires the use of underlining and deletion marks to indicate amendments to existing rules. The rule published above varies from its predecessor in certain respects not indicated by the use of these markings.

WSR 09-15-198

PERMANENT RULES

DEPARTMENT OF CORRECTIONS

[Filed July 22, 2009, 11:36 a.m., effective August 22, 2009]

Effective Date of Rule: Thirty-one days after filing.

Purpose: The amendments update the WAC to reflect current department structure and clarify the procedure for approval of assault benefits.

Citation of Existing Rules Affected by this Order: Amending WAC 137-78-010, 137-78-020, 137-78-030, 137-78-040, 137-78-060, and 137-78-070.

Statutory Authority for Adoption: RCW 72.01.090.

Adopted under notice filed as WSR 09-13-089 on June 16, 2009.

Number of Sections Adopted in Order to Comply with Federal Statute: New 0, Amended 0, Repealed 0; Federal Rules or Standards: New 0, Amended 0, Repealed 0; or Recently Enacted State Statutes: New 0, Amended 0, Repealed 0.

Number of Sections Adopted at Request of a Nongovernmental Entity: New 0, Amended 0, Repealed 0.

Number of Sections Adopted on the Agency's Own Initiative: New 0, Amended 6, Repealed 0.

Number of Sections Adopted in Order to Clarify, Streamline, or Reform Agency Procedures: New 0, Amended 0, Repealed 0.

Number of Sections Adopted Using Negotiated Rule Making: New 0, Amended 6, Repealed 0; Pilot Rule Making: New 0, Amended 0, Repealed 0; or Other Alternative Rule Making: New 0, Amended 0, Repealed 0.

Date Adopted: July 22, 2009.

Eldon Vail
Secretary

AMENDATORY SECTION (Amending WSR 03-21-088, filed 10/17/03, effective 11/17/03)

WAC 137-78-010 Definitions. For the purposes of this chapter the following words shall have the following meanings:

(1) "Assault" means an (~~intentional~~) unauthorized touching, including spitting and/or throwing a substance/object, striking, cutting, or shooting ((of a person or the body of another)) by an offender resulting in physical injury to an employee.

(2) "Assault benefits" means reimbursement to employees of some of their costs attributable to being the victim of an offender assault.

(3) (~~("Administrator, safety and risk management" means the individual who is appointed by the secretary to head the safety and risk management section or his/her designee-)~~) "Assistant secretary" means the executive head of one of the department's organizational divisions.

(4) "Department" means the department of corrections.

(5) "Employee" means any individual who is appointed by the secretary, and who serves under the supervision and authority of the department. The term "employee" shall not include an individual performing personal services under contract or offenders.

(6) "Deputy secretary" is the deputy secretary for the (~~(office of correctional operations))~~ department or his/her designee.

(7) "Doctor" means a person licensed to practice one or more of the following professions: Medicine and surgery; osteopathic; chiropractic; drugless therapeutics; podiatry; dentistry; optometry.

(8) "Offender" means any person in the custody of or subject to the jurisdiction of the department of corrections.

(9) "Secretary" means the secretary of the department of corrections or the secretary's designee.

AMENDATORY SECTION (Amending Order 89-05, filed 7/19/89, effective 8/19/89)

WAC 137-78-020 Eligibility. Employees who apply to the department may be eligible for assault benefits if the (~~(secretary))~~ department finds that each of the following has occurred:

(1) An offender has assaulted the employee and as a result thereof the employee has sustained injuries which have required the employee to miss one or more days of work;

(2) The assault is not attributable to any extent to the employee's negligence, misconduct, or failure to comply with any rules or conditions of employment;

(3) The assault occurred while the employee was in the performance of his/her official duties; and

(4) The employee has made application for compensation under Title 51 RCW and the claim has been approved for an injury related to the assault.

AMENDATORY SECTION (Amending WSR 03-21-088, filed 10/17/03, effective 11/17/03)

WAC 137-78-030 Application process. Employees who meet the eligibility requirements of WAC 137-78-020 and elect to apply for assault benefits shall submit a signed application for assault benefits ~~((and)), a properly completed report of ((personal injury form (DOC 3-133), together with the certificate of the doctor that attended him or her))~~ accident/injury and a copy of his or her L&I Report of Industrial Injury or Occupational Disease form (F242-130-000), to his or her locally designated representative or human resource office within ((ten)) sixty working days of the occurrence of the assault or, if the application could not be reasonably submitted within that period, within ((ten)) sixty working days of the time when application could reasonably have been made. Applications shall be reviewed through the employee's chain of command. The ((deputy secretary shall forward the application, with appropriate recommendations, to the safety and risk management section. The administrator, safety and risk management)) department shall grant or deny the request for assault benefits within ((ten)) thirty working days after ((written notification from the employee or the department of labor and industries that the employee's application for compensation under Title 51 RCW has been approved)) receipt of the completed application, but may extend that time to gather additional information. A completed application shall include information that the department of labor and industries has approved the employee's claim for benefits related to the assault.

AMENDATORY SECTION (Amending Order 89-05, filed 7/19/89, effective 8/19/89)

WAC 137-78-040 Conditions of reimbursement. (1) Assault benefits authorized ~~((the employee))~~ by the ~~((secretary))~~ department under this chapter shall not continue longer than the date of termination of ~~((time loss))~~ time loss benefits by the department of labor and industries or three hundred sixty-five consecutive days from the date of the injury, whichever date is earlier, and shall be limited to the following:

(a) For each workday missed due to assault for which the employee is not eligible to receive compensation under chapter 51.32 RCW, the employee shall receive full pay pursuant to RCW 72.09.240 and this chapter; and

(b) In respect to workdays missed due to assault for which the employee shall be reimbursed compensation under chapter 51.32 RCW, the employee shall receive full pay, less any industrial insurance payments for time loss during the period in which assault benefits are received.

(2) As the intent of this chapter is to reimburse the employee the difference of salary compensation paid by the department of labor and industries and the full pay the employee would have received but for the time loss from the injury sustained as a result of an inmate assault, the employee shall not be entitled to receive greater than one hundred percent of his or her base salary as a result of payments by the department of labor and industries and the department unless such overpayment is the result of the employee's election to use accumulated ~~((vacation))~~ annual leave, holiday leave, compensatory time off, or exchange time.

(3) Employees granted assault benefits shall accrue full annual leave, sick leave, and insurance benefits during the time period they are approved to receive assault benefits.

(4)(a) Employees applying to the department for assault benefits may elect to use accrued sick leave until such application is approved or denied, provided that the employee shall return any subsequent overpayment to the department.

(b) The employee's accumulated sick leave hours shall not be reduced for the workdays missed due to the assault, provided that the employee has returned any overpayments to the department.

(c) If the employee fails to return any overpayments to the department, sick leave hours charged to an employee who receives worker's compensation as a result of the time loss and assault benefits shall be proportionate to the overpayment by the department during the claim period.

(5) The employee shall not be entitled to assault benefits provided in this section for any workday for which the ~~((secretary))~~ department finds ~~((that))~~ the employee has not diligently pursued his or her compensation remedies under chapter 51.32 RCW.

(6) While the employee is receiving assault benefits authorized under this chapter, the employee shall continue to be classified as a state employee and receive full service credit.

(7) The employee shall be entitled to assault benefits only for absences ~~((which))~~ that the ~~((chief of the office of employee services))~~ department believes are justified.

(8) No employee eligible to receive or receiving benefits under this chapter shall be entitled to continue to receive benefits should the legislature revoke the reimbursement authorized under this chapter.

AMENDATORY SECTION (Amending WSR 03-21-088, filed 10/17/03, effective 11/17/03)

WAC 137-78-060 Denial of application for assault benefits. If the employee's request for assault benefits is denied by the ~~((safety and risk management administrator))~~ department, the employee may, within ten working days from the date of denial, file a petition ~~((with the office of administrative services (OAS) deputy secretary))~~ for reconsideration, stating the specific grounds upon which the application should be granted. The ~~((OAS deputy secretary))~~ department shall respond within twenty working days from the date the petition was received; provided that the time may be extended to gather additional information.

AMENDATORY SECTION (Amending WSR 03-21-088, filed 10/17/03, effective 11/17/03)

WAC 137-78-070 (~~(Appeal from denial of assault benefits)~~) **Overpayment(s) disputes.** (~~((1) If the employee's petition for assault benefits to the office of administrative services deputy secretary is denied, the employee may appeal that decision to the secretary in accordance with chapter 34.05 RCW and this section. The employee shall file a written petition with the Office of the Secretary at 410 W. 5th, P.O. Box 41101, Olympia, Washington 98504-1101, within thirty days after the denial of assault benefits.~~

(2)) If a dispute exists between the employee and department concerning the amount of any overpayment to be repaid the department, the employee may request a hearing in accordance with chapter 34.05 RCW and this section. The employee shall file a written petition with (~~(the Office of)~~) the Deputy Secretary at (~~(410 W. 5th,)~~) P.O. Box 41101, Olympia, Washington 98504-1101, within thirty days after the dispute arises.