APPENDIX A

COKE OVEN EMISSIONS

SUBSTANCE INFORMATION SHEET

I. SUBSTANCE IDENTIFICATION

(1) Substance: Coke oven emissions

(2) Definition: The benzene-soluble fraction of total particulate matter present during the destructive distillation or carbonization of coal for the production of coke.

(3) Permissible exposure limit: 150 micrograms per cubic meter of air determined as an average over an 8-hour period.

(4) Regulated areas: Only employees authorized by your employer should enter a regulated area. The employer is required to designate the following areas as regulated areas: the coke oven battery, including topside and its machinery, pushside and its machinery, and the screening station; and the wharf, the beehive ovens and machinery.

II. HEALTH HAZARD DATA

Exposure to coke oven emissions is a cause of lung cancer, and possibly kidney cancer, in humans. Although it does not have an excess number of skin cancer cases in humans, repeated skin contact with coke oven emissions should be avoided.

III. PROTECTIVE CLOTHING AND EQUIPMENT

(1) Respirators: Respirators will be provided by your employer for routine use if your employer is in the process of implementing engineering and work practice controls or where engineering and work practice controls are not feasible or insufficient. You must wear respirators for nonroutine activities or in emergency situations where you are likely to be exposed to levels of coke oven emissions in excess of the permissible exposure limit. Since how well your respirator fits your face is very important, your employer is required to conduct fit tests to make sure the respirator seals properly when you wear it. These tests are simple and rapid and will be explained to you during your training sessions.

(2) Protective clothing: Your employer is required to provide, and you must wear, appropriate, clean, protective clothing and equipment to protect your body from repeated skin contact with coke oven emissions and from the heat generated during the coking process. This clothing should include such items as jacket and pants and flame resistant gloves. Protective equipment should include face shield or vented goggles, protective helmets and safety shoes, insulated from hot surfaces where appropriate.

IV. HYGIENE FACILITIES AND PRACTICES

You must not eat, drink, smoke, chew gum or tobacco, or apply cosmetics in the regulated area, except that drinking water is permitted. Your employer is required to provide lunchrooms and other areas for these purposes.

Your employer is required to provide showers, washing facilities, and change rooms. If you work in a regulated area, you must wash your face, and hands before eating. You must shower at the end of the work shift. Do not take used protective clothing out of the change rooms.
without your employer's permission. Your employer is required to pro-
vide for laundering or cleaning of your protective clothing.

V. SIGNS AND LABELS

Your employer is required to post warning signs and labels for your
protection. Signs must be posted in regulated areas. The signs must
warn that a cancer hazard is present, that only authorized employees
may enter the area, and that no smoking or eating is allowed. In regu-
lated areas where coke oven emissions are above the permissible expo-
sure limit, the signs should also warn that respirators must be worn.

VI. MEDICAL EXAMINATIONS

If you work in a regulated area at least 30 days per year, your em-
ployer is required to provide you with a medical examination every
year. The medical examination must include a medical history, a chest
X-ray; pulmonary function test; weight comparison; skin examination; a
urinalysis and a urine cytology exam for the early detection of urina-
ry cancer. The urine cytology exam is only included in the initial ex-
am until you are either forty-five years or older, or have five or
more years employment in the regulated areas when the medical exams
including this test, but excepting the X-ray exam, are to be given ev-
ery six months; under these conditions, you are to be given an X-ray
exam at least once a year. The examining physician will provide a
written opinion to your employer containing the results of the medical
exams. You should also receive a copy of this opinion.

VII. OBSERVATION OF MONITORING

Your employer is required to monitor your exposure to coke oven emis-
sions and you are entitled to observe the monitoring procedure. You
are entitled to receive an explanation of the measurement procedure,
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 equip-
ment are required to be worn, you must also be provided with and must
wear the protective clothing and equipment.

VIII. ACCESS TO RECORDS

You or your representative are entitled to records of your exposure to
coke oven emissions upon request to your employer. Your medical exami-
nation records can be furnished to your physician upon request to your
employer.

IX. TRAINING AND EDUCATION

Additional information on all of these items plus training as to haz-
ards of coke oven emissions and the engineering and work practice con-
trols associated with your job will also be provided by your employer.

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99-17-094, § 296-62-20027, filed 8/17/99, effective 12/1/99; WSR
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§ 296-62-20027, filed 12/31/97, effective 1/31/98; Order 77-14, Appen-
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