

720.1
PLAINTIFF'S EXHIBIT

SH-1204

INTEROFFICE MEMORANDUM

DATE: APRIL 18, 1988

FROM: D.B. SNYDER-INDUSTRIAL HYGIENE ASSISTANT
DEER PARK MANUFACTURING COMPLEX

TO: ALL HEALTH AND SAFETY PERSONNEL
DEER PARK MANUFACTURING COMPLEX

SUBJECT: INDUSTRIAL HYGIENE REQUIREMENTS FOR SHUTDOWNS

Attached is an outline that will allow all Health and Safety personnel attending pre-job shutdown meetings to provide operating and maintenance personnel with the Industrial Hygiene requirements. This outline lists the Industrial Hygiene activities that may be involved during shutdown planning. This will provide a means for this information to be shared when conflicts in schedules does not allow someone from Industrial Hygiene being present at the meetings.

If you have any questions call me at extension 7102.

D.B. Snyder

cc: DBS Chron

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CHECKLIST FOR INDUSTRIAL HYGIENE REQUIREMENTS FOR SHUTDOWNS

I. Personal Protective Equipment

A. Respirator Requirements

1. What types of respirators are going to be needed?
2. When is respirator protection expected?
 - a. Entry to vessels
 - b. Decontamination procedures
 - (1) Draining and steaming
 - (2) Initial opening of equipment
 - c. Sampling of equipment
 - d. Maintenance activities
3. Check to verify that persons that need to wear respirators are current with their fit test
4. Respiratory Service Center Requirements
 - a. Has RSC been notified of shutdown needs by operations and maintenance?
 - b. Consideration of lead time for RSC preparation
 - c. Weekend and after hours requirements for RSC personnel

B. Protective Clothing

1. Special Situations for Coveralls
2. Chemical Suits
 - a. Initial Openings
 - b. Disposable versus HI-GLO suits

II. Personnel Monitoring

A. Chemical Monitoring

1. Specific chemicals encountered
2. When was the last shutdown monitored?

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3. Are there any jobs that need short term monitoring?
4. Special analysis needed
 - a. Nickel Carbonyl
 - b. Lead
 - c. Hydrogen Sulfide
 - d. Noise
 - e. Prior to equipment entry
 - f. Spot samples if odor is found in the area
5. Asbestos Identification

III. Area Monitoring

IV. Coverage by Industrial Hygiene personnel

- A. Is there a need for around the clock coverage of IH or can the shutdown be covered as needed?
- B. Who will be doing what kind of monitoring?
 1. Grab sampling by operations
 2. What monitoring tools are needed?
 - a. Syringes ordered
 - b. Draeger tubes
 - c. Barricade tapes

V. Training Requirements

- A. Departmental required Health & Safety training
 1. Hazard Communications
 2. Benzene
 3. Asbestos
 4. Respiratory Protection
 5. Hearing Conservation
 6. Embryo-fetus

IH PROCEDURES
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