

*Summary
April 27/75*
CHEMICALS



INTEROFFICE / LAKE CHARLES

TO J. H. Morgan

DATE March 27, 1975

FROM B. W. Walker *BW*

SUBJECT OSHA Compliance

RE: Consultant Report Of Inspection - March, 1974

The inspection conducted in February, 1974, by Consultant Paul Hale, designated 107 items in the Service Department which were in violation of OSHA standards. The Safety Department reviewed these items with the following results.

Sixteen (16) of the items do not exist due to being removed from service, relocation, or other reasons. Forty-four (44) of the remaining 91 items were still in violation of the OSHA standards at the time of the review. Some were corrected during the review after they were pointed out to the appropriate supervisor. The most frequently observed item of non-compliance during the inspection and review was inadequate guarding of equipment. During the review, it was found that the tongues and tool rests on pedestal grinders were not being adjusted to the specified clearances from the wheel. We checked several specific grinder inspection forms and each form indicated that the tongues and tool rests had been adjusted. We may need to review the inspection procedure to ensure compliance. The second most significant item found during the review concerned the storage of oxygen and acetylene cylinders. This problem should be corrected after the present Engineering Work Order is approved. Other items in violation of the standards were electrical items and housekeeping conditions. I have attached a copy of the original inspection with the items hi-lited that were still in violation during the review.

BWW/bc

Attachment

CC: R. E. Hanna
J. M. Davis

1 BB 0000288 1

VI. MAINTENANCE

A. Silica Pigments

1. Maintenance Shop

- .309(a) NEC 400-4
 - a. Use of electrical pigtail by refrigerator--north end of ground floor
- .22(a) (2)
 - b. Slipping hazard (water on floor) by water fountain--north end of ground floor
- .242(b)
 - c. Use of compressed air above 30 p.s.i. for cleaning
- .309(a) NEC 400-4
 - d. Use of electrical pigtail by water cooler--north end of ground floor
- .22(a) (1)
 - e. Poor housekeeping--tool room
- .215(b) (9)
 - f. Adjustable tongues not provided on grinders
- .252(a) (2) (v) (b) (7)
 - g. Welding rig left under pressure when unattended
- .219(d)
 - h. Inadequate guarding of belt and pulleys on drill press
- .252(a) (2) (iv) (c)
 - i. Oxygen and acetylene bottles stored together--outside of furnace building(north side)

2. Maintenance Lunch Room

- a. Inadequate guarding of heater fan

B. Production--Area A

1. Cylinder Storage Area

- a. Oxygen and acetylene cylinders stored together

2. Mercury Cell Maintenance Shop

- a. Oxygen and acetylene cylinders stored together

- .252(a) (2) (iv) (c)
 - b. Band saw not properly guarded
- .252(a) (2) (iv) (c)
 - c. Use of electrical pigtail at coffee pot
- .219(e)
 - d. Drill press not properly guarded
- .309(a) NEC 400-4
 - e. Open conduit at panel box--north end of shop
- .219(d)
 - f. Ammonia Compressor Building--Outside
- .309(a) NEC 110-17
 - a. Oxygen and acetylene cylinders stored together
- .252(a) (2) (iv) (a)
 - b. Liquefaction Area Shop
- .219(d)
 - a. Inadequate guarding of drill press
- .309(a) NEC 400-4
 - b. Use of electrical pigtail by water fountain
- .215(b) (9)
 - c. No adjustable tongue on grinder
- .215(a) (4)
 - d. Old Maintenance Shop Area
- .215(b) (9)
 - a. Tool rest not properly adjusted on grinder
- .215(b) (9)
 - b. No adjustable tongue on grinder
- .215(b) (9)
 - c. Caustic Area Maintenance Shop
- .22(a) (1)
 - a. No adjustable tongue on grinder
- .309(a) NEC 400-4
 - b. Tripping hazards (welding leads) running across floor
- .22(a) (1)
 - c. Use of electrical pigtail
- .22(a) (1)
 - d. Poor housekeeping at Station D-12

BB 0000289

.309(a)

.309(a) NEC 400-4

.212(a) (5)

.215(a) (4)

.215(b) (9)

.309(a) NEC 400-4

.157(a) (3)

.215(b) (9)

.141(g) (2)

.212(a) (5)

.215(b) (9)

.219(e)

.252(a) (2) (iv) (c)

.212(a)

.252(a) (2) (ii) (d)

.212(a) (5)

.309(a) NEC 110-17

.252(a) (2) (iv) (c)

.252(a) (2) (iv) (c)

.252(a) (2) (ii) (b)

.309(a) NEC 110-17

.108

.157(a) (2)

.22(b)

.215(b) (9)

.215(a) (2)

.309(a) NEC 400-4

.22(a)

.215(a) (5)

7. Cell Liquor Header Shop (South End, Upper Roadway)

- a. Electrical receptacle outlet not properly grounded (reversed polarity) at clock
- b. Use of electrical pigtail--north wall
- c. Ventilation fan not properly guarded
- d. Tool rest not adjusted properly on grinder
- e. Adjustable tongue not adjusted properly on grinder
- f. Use of electrical pigtail at work bench in center of room
- g. Fire extinguisher 475 blocked from use

8. Maintenance Shop

- a. Adjustable tongue not adjusted properly on grinder--southwest wall
- b. Food consumed next to washing pit
- c. Ventilation fan not properly guarded by lunch tables
- d. Several grinders found without adjustable tongues
- e. Universal tool makers grinder not properly guarded
- f. Oxygen and acetylene cylinders stored together--doorway of west wall
- g. Inadequate guarding of band saw
- h. Protective caps not on cylinders when not attached to regulators--welding area
- i. Ventilation fans not properly guarded--welding area
- j. Electrical receptacle outlet without cover--welding area
- k. Oxygen and acetylene cylinders stored together--north end of welding area
- l. Oxygen and acetylene cylinders stored together--truck docks in cathode welding area
- m. Oxygen and acetylene cylinders not protected--truck docks in cathode welding area

9. Maintenance Shop--Tool Room

- a. Cover off electrical receptacle outlet--hot room
- b. Dip tank operation not to standard
- c. No fire protection provided in hot room
- d. Aisle blocked in hot room

10. Maintenance Shop--Tool Repair

- a. No adjustable tongue on grinder
- b. No side shield on grinder, *spec*
- c. Use of electrical pigtail at small grinder

11. K-301 Building--Ground Floor

- a. Poor housekeeping--insulation storage area

12. K-302 Building--Ground Floor

- a. Buck fans not properly guarded--west end

C. Production--Area B

1. Organic Maintenance Lunch Room

- a. Cover off electrical box
- b. Open light socket
- c. Defective plug to heater

.309(a) NEC 110-17

.309(a) NEC 110-17

.309(a) NEC 110-17

.22(a) (1)
 .215(b) (9)
 .215(b) (9)
 .219(e)
 .157(a) (3)
 .212(a) (1)
 .309(a) NEC 400-4
 .252(a) (2) (v) (b) (7)
 .309(a) NEC 400-4

.309(a) NEC 400-4

.22(a) (1)

.252(a) (2) (iv) (c)

.212(a) (5)

.22(a) (1)

.22(a) (1)

.252(a) (2) (ii) (d)

.252(a) (2) (v) (b) (7)

.215(b) (9)

.219(d)

.309(a) NEC 110-22

.309(a) NEC 400-4

.309(a) NEC 400-4

.212(a) (5)

.414(c) (1) (v)

.309(a) NEC 110-17

.219(e)

.215(b) (9)

.309(a) NEC 250-5

.309(a) NEC 400-4

.212(a) (5)

.215(a) (4)

.215(b) (9)

2. Maintenance Shop

- a. Poor housekeeping in delivery area
- b. Adjustable tongue not adjusted properly on grinder
- c. Adjustable tongue not provided on grinder
- d. Inadequate guarding of large drill press
- e. Fire extinguisher 632 blocked from use
- f. Inadequate guarding of metal band saw
- g. Use of electrical pigtail by coffee pot
- h. Welding rig left under pressure when not attended
- i. Light fixture not to standard--metal building by shop
- j. Use of temporary wiring and electrical pigtail--metal building by shop
- k. Poor housekeeping in scrap storage area--outside west end of shop
- l. Oxygen and acetylene stored together--outside south side of shop

3. Reactor Welding Area

- a. Inadequate guarding of ventilation fan
- b. Poor housekeeping
- c. Tripping hazard (hose)
- d. Protective cap not on oxygen bottle when not attached to regulator

D. Riverside Maintenance Shop

1. Unattended welding rig left under pressure
2. No adjustable tongues on grinders

E. Paint Shop

1. Belts and pulleys exposed on portable paint sprayer--storage room on south side of paint shop
2. Panel boxes not marked as to contents--north wall
3. Use of electrical pigtail at electrical receptacle outlet on north wall
4. Temporary wiring to water fountain in violation
5. Inadequate guarding of ventilation fans
6. No paper holders in water closet

F. Carpenter Shop

1. Exposure to live parts in panel box--south wall
2. Drill press not guarded adequately
3. No adjustable tongue on grinder
4. Electrical receptacle outlet not grounded properly (reversed polarity)--north wall
5. Use of electrical pigtail at heater

G. Riggers Loft

1. Inadequate guarding of ventilation fans
2. Tool rest not properly adjusted on grinder
3. Adjustable tongue not properly adjusted on grinder

1 BB 0000291 1

.309(a) NEC 400-4

.309(a) NEC 400-4

.23(c)

.22(d)

.22(a)(1)

4. Use of electrical pigtail on plug by grinder
5. Use of temporary wiring to magnaflux testing equipment
6. Toeboard needed at top of riggers storage area
7. Riggers storage area not load marked
8. Poor housekeeping--riggers loft

.309(a) NEC 400-4

.309(a) NEC 110-22

.309(a) NEC 110-17

.219(d)

.219(d)

H. Plant Garage

1. Use of electrical pigtail by drill press
2. Panel box not marked as to contents--west wall
3. Panel box with exposure to live parts--west wall
4. Guard on air compressor covering pulleys and belts not to standard
5. Inadequate guarding of pulleys and belt on small metal lathe--parts room

.22(a)

I. Maintenance Garage Storage Area--Building K-304

1. Poor housekeeping

.309(a) NEC 400-4

.309(a) NEC 400-4

.309(a) NEC 400-4

.309(a) NEC 400-4

.212(a)(5)

.309(a) NEC 110-17

.135

J. Storeroom

1. Use of electrical pigtail--number 1 storeroom lunch room
2. Use of temporary wiring to ventilation fan in violation
3. Use of electrical pigtail at water fountain by receiving desk--number 1 storeroom
4. Use of electrical pigtail at desk--hold bin area
5. Ventilation fan not properly guarded at desk--hold bin area
6. Exposed live parts in panel box--northwest corner of number 2 storeroom
7. Improper overhead storage of SORBENTIC on pallet--number 2 storeroom