

FILE NAME: Ford (FD)

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June - Cy to
David C.
TKs.

Inter Office

Automotive Assembly Division
Kansas City Assembly Plant

October 18, 1985

To: R L Wabeke
From: P I Staley
Subject: Industrial Hygiene Review

Attached is the follow-up response for the Industrial Hygiene Review conducted at the Kansas City Plant from July 29 - August 2, 1985, as requested.

Additional follow-up reports will be forwarded as items listed with estimated completion dates are resolved. Please contact the plant should any further information be required.

Attachment

32:IHR1



RECOMMENDATIONS:

1. Identify locations where asbestos has been used as insulation. Consult Industrial Hygiene Bulletin No. 4.

The plant will identify and locate on a plant layout all asbestos locations for reference in maintenance/construction work. ECD 1-1-86.

2. Institute a comprehensive hearing conservation program which includes employee monitoring, selection and availability of protective devices, training, and audiometric testing. Consult Industrial Hygiene Bulletin No. 16, Industrial Relations Administration Manual, and the OSHA Hearing Conservation Amendment.

Monitoring survey is in progress. A project is being written to acquire new audiometric testing equipment compatible with corporate automated reporting. This equipment will also allow testing by plant personnel at a cost savings over use of outside contractor. One additional ear plug type is being obtained to provide additional employee choice. Employee training will commence at conclusion of survey. ECD all items: 1-1-86.

3. Improve understanding of MATS for the nurse and/or physician.

MATS ID and password have been requested for plant physician for confidential access. Division Industrial Hygiene has been contacted to schedule next available MATS training for plant physician.

4. Discontinue purchasing (spot buy) non-approved materials without approval of the Hazardous Materials Coordinator.

Spot buys are being handled at the Kansas City Assembly Plant in accordance with IRB-40 procedures. COMPLETE.

5. Establish periodic employee exposure monitoring programs for:

- Solvent vapors in oil house, paint booths, and sealer areas.
- Carbon monoxide at drive-off areas.
- Zinc and other welding fumes in teardown booth.

Periodic monitoring is now done in drive-off areas for CO during all but summer months. This will be done on a monthly basis year-round. COMPLETE.

Other recommended monitoring will be instituted after discussion Division Industrial Hygiene for specific recommendations. ECD 1-1-86.

6. Improve identification of confined spaces.

Fifty (50) labels have been received from Division. Labels required to replace dirty or damaged labels will be installed by 11-8-85.

7. Institute a comprehensive respiratory protection program. This should include proper selection and storage of respirators and monitoring exposures. Medical screening and training must be provided to respirator wearers. Consult Industrial Hygiene Bulletin No. 15.

All operations now using respirators on an optional basis will be surveyed with proper sampling methods. Those operations requiring respirators will be placed on the respiratory program. ECD 3-1-86.

8. Make acid-caustic couplings noncompatible. Couplings should be changed so that it is impossible to introduce acid into caustic tank or alkalies into the acid tank.

Couplings at each acid/caustic delivery station will be made incompatible. ECD: 10-24-85.

9. Relocate eyebath/deluge shower at E-Coat acid/caustic storage area to outside tank enclosure.

The eyebath/deluge shower at the E-Coat acid/caustic storage areas will be relocated for increased accessibility. ECD: 10-31-85.

10. Provide a conveniently available toilet and washroom in the Trash Out Building.

The trash facility at Kansas City is contracted out. The contractor is now required to maintain and use his portable toilet. COMPLETE.

11. (NOTE: No. 11 omitted on Industrial Hygiene letter.)

12. Secure gas cylinders.

COMPLETE.

13. Relocate deluge shower at G-21 so it is unobstructed.

COMPLETE.

14. Institute a preventive maintenance program for vehicles. Consult the Plant Engineering Office Manufacturing Standards Manual.

Tune-ups of industrial equipment are being performed in accordance with applicable Manufacturing Engineering standards. COMPLETE.

15. Discontinue use of copper-coated welding wire; substitute ESBM-M-4A11B or ESB-M-4A170B.

COMPLETE.

OTHER ITEMS:

There are several items which are addressed in the report, but are not listed as specific recommendations above. These items are answered individually below:

HEAT STRESS

REQUIREMENT: In view of the potential heat stressful climatic conditions in Kansas City, the plant should be cognizant of heat-induced illness, particularly in unacclimatized individuals.

STATUS: The local medical department newsletter to employees, "Health News", which is periodically published, will have an issue on heat-related illness each spring prior to warm weather, starting in 1986.

MEDICAL SURVEILLANCE PROGRAM

REQUIREMENT: Those individuals no longer exposed to lead may be removed from the monitoring schedule.

STATUS: COMPLETE

EMISSION LABORATORY

REQUIREMENT: Install gas warning alarms in bottle room at Emission Lab.

STATUS: A project will be written requesting funding for this item.

OIL HOUSE

REQUIREMENT: Insure proper storage of respirators and cartridges.

STATUS: COMPLETE

PAINTERS' CRIB

REQUIREMENT: Improve housekeeping in Painters' Crib.

STATUS: COMPLETE

INDUSTRIAL ROBOTS

We fail to understand the Industrial Hygiene implications of industrial robot installations. However, if ACGIH has recently issued permissible exposure limits on robots, we would be most interested in receiving this information.

HILO REPAIR GARAGE

REQUIREMENT: Return asbestos vacuum cleaner to area for use in brake jobs.

STATUS: COMPLETE

FIRE CRIB

REQUIREMENT: SCBAs must be regularly inspected and records kept.

STATUS: COMPLETE