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INDUSTRIAL HYGIENE ACTIVITIES - APRIL, 1979

An interoffice communication has been sent to all areas which use radioactive materials. This is relative to a requirement of the Nuclear Regulatory Commission and Agreement States Nuclear Regulatory Agencies for the periodic testing for the functioning of off-on controls which may be built into some radioactive sealed source containment devices. These types of devices should be tested for proper functioning at the time that periodic leak tests are made on the sealed sources.

A request was made to Jim Hall for monitoring results made by the 3M Company at the Gaido-Lingle Company, Inc. This was relative to evaluation of health exposures which could result from use of 3M Scotchbkote Epoxy Resin. Our special interest was that this material contains trimellitic anhydride. If any of our employees assigned for final inspection of coated pipe were exposed, they might experience noncardiac pulmonary edema, immunological sensitization, and irritation of the pulmonary tract, eyes, nose, and skin.

At the request of Mr. Tom Christman, Ponca City Carbon Plant, a copy of the 1978 Industrial Hygiene inspection has been sent for his use in evaluating the progress of compliance with recommendations made.

Mr. J. T. Vann, Safety Director, Humber Refinery, has been furnished with information relative to the subject of Industrial Hygiene Monitoring Methods and Equipment as follows:

1. Phenol - NIOSH Analytical Methods for Set L.
2. Polynuclear Aromatic Compounds in Air - NIOSH Manual of Analytical Methods, Second Edition, Vol. I.
3. Polynuclear Aromatic Hydrocarbons in Air - NIOSH Manual of Analytical Methods, Second Edition, Vol. I.
4. Informational Material - Daco Spill-Proof Impingers.

The purpose of this was to aid in efforts which should be given to monitoring for various substances as per recommendations made as the result of the latest industrial hygiene inspection of the Humber Refinery.

Copies of portions of the OSHA Field Compliance Operations Manual for Industrial Hygiene have been received from Organization Resources Counselors, Inc. We are to receive additional portions of this manual which will aid us in being more knowledgeable with respect to the criteria by which any plant might be inspected by an OSHA Compliance Officer.

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A copy of the lead standard, along with pertinent information, was furnished Mr. Henry Bourne, Production Research. The question in mind related to a lead compound pipe lubricant.

Industrial Hygiene inspections were made of the Billings and Denver Refineries. Reports reflecting the results of these inspections will be written soon.

A review is being made of dust monitoring results of the recent Ponca City No. 4 FCC clean out. A summary of this will be made and attached to the detailed procedures which were followed during this turnaround maintenance operation.

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