

May 30, 1984

PLAINTIFF'S EXHIBIT

MON-2438

MAY MONTHLY REPORT - INDUSTRIAL HYGEINE

RESPIRATORY PROTECTION

Respiratory fit testing had to be stopped on 5/11/84 because of equipment failure. The instrument had to be returned to the manufacturer, Dynatech Frontier Company, because their repairman was unable to repair it on the site. It is expected to be returned within two weeks.

A rough draft of a revision of the respiratory protection program procedure bulletin has been written and is being circulated for comments. This revision reflects the current practice of quantative fit testing.

AN-5

A number of personnel working in the south plant of AN-5 had exposures above the 1 ppm action level (highest was 2.5 ppm) in the latest quarterly survey. The higher than normal exposures were traced to a decontamination operation. Plans have been made to have special monitoring during the decontamination phase of the August shutdown.

Dan Campbell

/dc

SC

009502

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Monsanto

FROM: NAME & LOCATION: R. T. Hammann, LP&S, Texas City 0-22 Ext. 3234

DATE	February 2, 1984	cc:	PMSB
			R.L. Brown Soda Springs
SUBJECT	MONTHLY REPORT FOR LOSS PREVENTION		W.G. Juhl OA-13
	AND SAFETY - JANUARY		W.H. Triplett 51D
REFERENCE			S.D. Paul SL G2WB
			D.N. Campbell 2R-9
TO	: J. S. Hagood 0-10		L. Hamilton FD
			M.A. Riddle 0-22
			Safety Inspectors 0-22
			Betty Culbreth 0-2

STATISTICS

		TOTAL INJ	TIR	TOTAL RI	TRR	TOTAL LWD	LWD RATE	TOTAL DAW	DAW RATE
Jan	1983	10	7.70	0	0.00	0	0.00	0	0.00
YTD	1983	10	7.70	0	0.00	0	0.00	0	0.00
Jan	1984	11	9.50	0	0.00	0	0.00	0	0.00
YTD	1984	11	9.50	0	0.00	0	0.00	0	0.00

On January 28 we completed 500 days since our last days-away-from-work injury.

There were five alarmed emergencies - two fires and three spills. No injuries or personnel exposures resulted from these incidents.

Industrial Hygiene responded to 38 requests for assistance in addition to routine scheduled monitoring.

STOP training was initiated for hourly personnel.


R. T. Hammann

/dgb

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FIRE DEPARTMENT MONTHLY REPORT - JANUARY 1984

1. Fire Pumps

710P1-2 the steam turbine driven firewater pump is still out of service. The Engineering Department is looking into making repairs on this turbine or finding a suitable replacement.

710P-9 - the water pump at the fire training ground was taken out of service due to some cracked flanges after the freeze. After disassembling the case, it was found to have small cracks throughout the case and was not repairable. This pump will have to be replaced.

2. Alarmed Emergencies

On January 11, 1984, at 2150 hours, there was a fire turned at the NSI unit in Styrene. The deluge system which had just been put back into service after being blocked in because of freeze damage controlled the fire until the fire department arrived to totally extinguish it.

On January 12, 1984, at 1310, there was a large spill of styrene at the styrene drum loading rack. The fire crew washed the spill down and stood by while the vacuum trucks picked up the styrene from the sewer system. The all clear was blown at 1326, 16 minutes after the spill alarm had been turned in.

On January 16, 1984, a spill of offgas containing CO and hydrogen occurred at the offgas compressor when a 1/2" nipple broke. Water was applied to the vapor cloud by the fire crew to prevent ignition. The alarm was turned in at 1244 and the all clear was at 1322.

On January 24, 1984, at 2:24 a.m. a liquid spill containing hydrogen cyanide and AN occurred when a pipe nipple broke off a pump at the quench column in Dept. 51. Vapors from the spill were suppressed by water fog applied by the fire crew. The all clear was blown at 2:38.

On January 26, 1984, at 2:56 a.m. the fire crew responded to a small fire at the agitator seal on 33T42 tank. This fire spread to some fiberglass siding nearby. The fire was extinguished by the fire crew and department operators. The all clear was blown at 0312.

3. Asbestos Exposure

Asbestos insulation lining the walls and roof inside the west firewater pump house was sealed with polyvinyl acetate mastic to eliminate asbestos exposure.

4. Tests were run on a hydrocarbon dispersant/emulsifier, brand name Cold Clean 500. As an emulsifier/dispersant and cleaning agent, Cold Clean 500 did prove satisfactory. As an extinguishing agent, it aided but was inferior to AFFF and other foams in extinguishing the fire. I am stocking 15 gals in the fire station for small hydrocarbon spills.

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5. Relief Valve Testing

I have extended the period between tests for relief valves from 12 to 24 months. This was done after researching the NFPA manual, talking to the Engineering Dept., and discussing it with Clayton Puckett who is handling this change.

L. Hamilton

/dgb
1/30/84

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INDUSTRIAL HYGIENE MONTHLY REPORT - JANUARY 1984

Acetic Acid (Dept. 50)

The highest methyl iodide results found in this month's survey of Department 50 personnel was less than 0.2 ppm (vis-a-vis 2 ppm standard). Moreover, the three-year average exposure for this suspected carcinogen is only 0.22 ppm. Carbon monoxide, methanol and noise exposures in the unit continue to be well below the control limits.

Requests for IH Assistance

We have 38 entries in the logbook this month concerning field requests for Industrial Hygiene assistance. These requests can be grouped as follows:

Complaints of Burning Eyes, Odor	8
Benzene and Related Chemical Spills	7
Excessive Noise	3
Asbestos Identification and Monitoring	16
Other Chemical Spills to North Ditch	3

Several of the asbestos samples were concerned with not using the proper handling procedures.

Dan Campbell

/dgb
1/30/84

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LOSS PREVENTION MONTHLY REPORT - JANUARY

I. Triennial Loss Prevention Reviews

A. Environmental Control - Department 513

Work on preparational phase in progress.

B. Tank Car and Tank Truck Operations

Report with action plan has been issued.

C. AN-5 Recovery System

Review completed - report to be issued.

II. Project/Procedure Loss Prevention Reviews

These projects/procedures were reviewed in January and appropriate recommendations were made.

A. Major Projects

1. Methanol shutdown - CEA 3910. LP&EC review

B. Plant Projects

1. CTR - revisions to original project.
2. Replacement of hydrocarbon spargers in AN-5 reactors.
3. Catalyst reuse - Dept. 48
4. Maintenance procedure for cold box work - Dept. 44/45/46
5. Modifications to AN slipstream reactor
6. Procedures for removal of insulation and reinsulating
16D1
7. Ten hot taps for cooling water tower tie-ins for CT4 & 5
elimination project
8. Modifications to plant breathing air system
9. Revisions to ACN HCN stripper
10. Hot tap in Dept. 56
11. NSI truck/tote bin operations
12. New stairway in acetic acid reactor area

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Miscellaneous

Dora Sendejas, Patty Burke and Bob Hammann visited Tenneco in Houston to review their health and medical facilities programs.

Dr. K. Christian and Bob Hammann visited Danforth Hospital to review area industrial health needs.

Dora Sendejas resigned from the company effective 1/23/84.

R. T. Hammann

/dgb
1/30/84

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