

ABERDEEN CHEMICAL PLANT
INDUSTRIAL HYGIENE MONTHLY REPORT

Month: May, 1986
Date of Report: June 24, 1986

I. ROUTINE CHEMICAL DOSIMETRY

All Sample Results

<u>CHEMICAL</u>	<u>< PEL</u>		<u>> PEL (OVEREXPOSURES)</u>	
	<u>NO.</u>	<u>%</u>	<u>NO.</u>	<u>%</u>
VCM	82	98.8	1	1.2
Lead	18	94.7	1	5.3
Total Particulates	3	100.0	0	0.0

Overexposures

<u>JOB CLASS</u>	<u>EXPOSURE</u>	<u>SOURCE</u>
General Mechanic	1.7* ppm, VCM	Employee overexposed while repairing VCM leaks at the VCM tank farm compressor shed.
Color Weigh Compounder	116.5* Micrograms Lead/M ³	Employee overexposed while weighing up Tribase XL, Tribase EXL, and Cyastab 988 in the Color Weigh Room.

* Respiratory protection was worn.

Line V Weigh Up

II. HAZARD COMMUNICATION PROGRAM

Most of the month's industrial hygiene activity involved hazard communication. All compliance items were completed before May 25th.

III. GILMONT PRECISION FLOWTUBE

The calibration of the Gilmont flowtube used with Bendix air pumps during lead and total particulates dosimetry work was checked. No significant drift was seen.

IV. PLASTICIZER BUILDING VENTILATION

A study requested by Engineering was made of the air exchange rates inside the Plasticizer building. Measurements were taken with a "hot-wire" velometer, first with all windows and doors open, and then again with all of them closed.

Industrial Hygiene Monthly Report
Page 2

IV. PLASTICIZER BUILDING VENTILATION - Continued

The results, summarized below, showed that total air exchange in the reactor section of the building was roughly halved by closing all doors and windows, indicating a need for more makeup air during cold weather.

AIR EXCHANGES PER HOUR - PLASTICIZER BUILDING

	<u>Doors & Windows</u>	
	<u>Open</u>	<u>Closed</u>
First Floor	42.4	21.2
Second Floor	32.0	16.2


Gerald V. Uptain

rah

c: JF, JWW, DWH, PJK, WFH, TFL, VEM, RAF, AHS, CWT
Tom Grumbles, J. R. Drumwright, M.D. - Houston

