

ABERDEEN CHEMICAL PLANT
INDUSTRIAL HYGIENE MONTHLY REPORT

Month: July

Date of Report: Aug. 14, 1984

Routine Chemical Dosimetry

All Sample Results:

<u>Chemical</u>	<u><</u>		<u>></u> PEL Overexposures	
	<u>No.</u>	<u>PEL</u> <u>%</u>	<u>No.</u>	<u>%</u>
VCM	90	97	3	3
Lead	25	100	0	0
Total Particulates	4	100	0	0

Overexposures

<u>Job Class</u>	<u>Exposure</u>	<u>Source</u>
Lead Operator	1.3** ppm, VCM	1. The employee states that he spent his entire shift inside the vinyl control room. No reason for his overexposure has been identified.
Yard Operator	1.7* ppm, VCM	2. Employee overexposed while hooking/unhooking VCM rail-cars and Corken compressor for maintenance at the VCM tank farm.
Mechanic	50.3* ppm, VCM	3. Employee overexposed while changing out a valve in a VCM line in the old unit.

* Respiratory protection was worn.

** Respiratory protection was not worn.

VCM Area Monitoring

One sample was taken at each of the ten large reactor condensers, using REAL "minimontor" badges. The elevated results in the new unit (741-745) were traced to leaks repaired on the same day of sampling.

<u>Date</u>	<u>Reactor</u>	<u>Resin</u>	<u>Sample Time</u>	<u>Result ppm, VCM</u>
7/25/84	741	5425	8 Hrs., 17 Min.	1.1
7/25/84	742	5425	8 Hrs., 17 Min.	0.8
7/25/84	743	5425	8 Hrs., 17 Min.	1.5
7/25/84	744	5425	8 Hrs., 17 Min.	0.9
7/25/84	745	5265	8 Hrs., 17 Min.	0.3
7/26/84	D300	5385	7 Hrs., 50 Min.	< 0.1
7/26/84	D400	5385	7 Hrs., 50 Min.	< 0.1
7/26/84	D500	5385	7 Hrs., 50 Min.	0.3
7/26/84	D600	5835	7 Hrs., 50 Min.	< 0.1
7/26/84	D700	5385	7 Hrs., 50 Min.	0.4

Plasticizer-in-air Monitoring

Six plasticizer-in-air samples were taken at the mills on Compound Lines I and III, using Bendix BDX44 air pumps and Gelman cellulose filters. The results will be reported following lab analysis of the samples.

Lead Dosimetry Analysis

The plant began using the services of CTEK, Inc., a Dallas, Texas based laboratory, for analysis of routine lead dosimetry samples. The benefits gained are reduced cost and reduced analysis turn-around time.

Noise Control Report and Plan

The annual Noise Control Report and Plan was issued.

OSHA "Hazard Communication" Rule

Tentative plans were laid for achieving compliance with the OSHA "Hazard Communication" rule. The first step, establishing a list of plant chemicals by manufacturer and tradename, is planned to commence during August.

Material Safety Data Sheets

A copy of nine Material Safety Data Sheets were issued to the Maintenance Department. Material Safety Data Sheets for Plasticizer and Dry Blend were copied and issued to the Compound Operations Supervisor.

GINNY BELK, R.N.
 Ginny Belk, R.N.
 Plant Nurse

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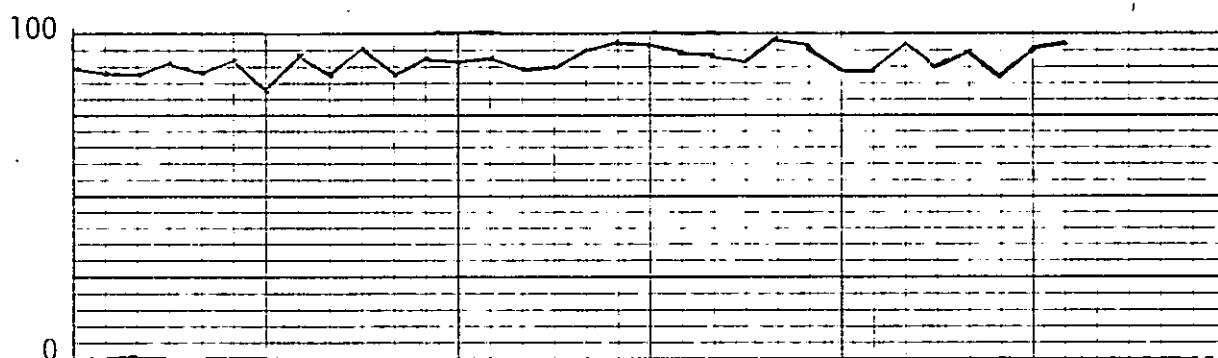
cc: JF, JWW, DWH, PJK, LPS, WFH, CRS, RAF, AHS, JVV
 Tom Grumbles - Houston J. R. Drumwright, M.D. - Houston

ABERDEEN CHEMICAL PLANT

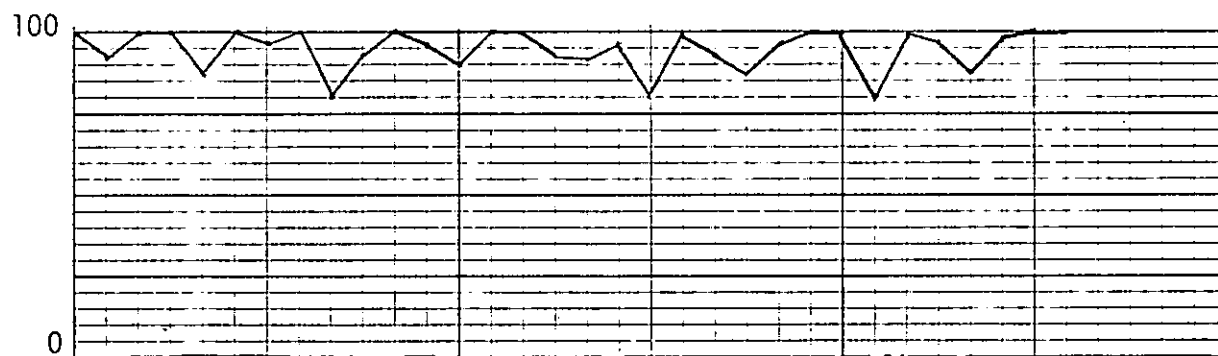
CHEMICAL DOSIMETRY TRENDS

% $\angle$
PEL

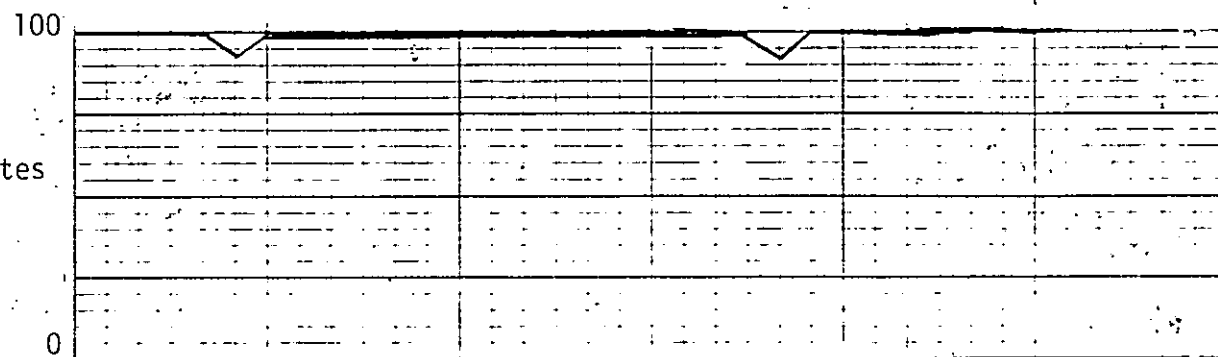
VCM



Lead



Total
Particulates



Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
19 <u>82</u>												19 <u>83</u>												19 <u>84</u>											