

ABERDEEN CHEMICAL PLANT
INDUSTRIAL HYGIENE MONTHLY REPORT

Month of: February

Date of Report: April 3, 1984

1. ROUTINE CHEMICAL DOSIMETRY

All Sample Results:

<u>Chemical</u>	<u>< PEL</u>		<u>> PEL (OVEREXPOSURE)</u>	
	<u>No.</u>	<u>%</u>	<u>No.</u>	<u>%</u>
VCM	2.5	96.2	1	3.8
Lead	32	97.0	1	3.0
Total Particulates	12	100.0	0	0.0

Overexposures

<u>Job Class</u>	<u>Exposure</u>	<u>Source</u>
Line Compounder	61.1* Micrograms Lead/m ³	Employee overexposed while charging Line III blenders. No specific cause has been identified.
Chief Operator	29.1* ppm, VCM	Employee overexposed while helping change VCM filter pack filters.

2. NOISE CONTROL

Resin deboxing area noise was reduced during February by insulating the cone at the bottom of the Sweco screener feed hopper. Noise level measurements taken before and after the insulation, using a General Radio Model 1565-B sound level meter, were :

<u>Location</u>	<u>Noise Level, dBA</u>	
	<u>Before Insulation</u>	<u>After Insulation</u>
1. 2 ft. from cone, on mezzanine	110	98-103
2. 16 ft. from cone, at ground level	95	92
3. Main traffic isle, at south door*	93	89

*84 dBA with hopper vibrator "off".

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3. GMD SYSTEMS, INC. PASSIVE MONITOR

The lab-based familiarization study of the passive, VCM monitor marketed by GMD Systems, Inc. was completed. The second phase of the evaluation, involving reproducibility studies, was begun.

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Plant Nurse

cc: JF, CRM, PEM, PJK, LPS, WFH, CRS, RAF, RAM, AHS
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