

ABERDEEN CHEMICAL PLANT
INDUSTRIAL HYGIENE MONTHLY REPORT

Month: January, 1986
Date of Report: February 20, 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	83	98.8	1	1.2
Lead	14	82.4	3	17.6
Total Particulates	6	100.0	0	0.0

Overexposures

<u>JOB CLASS</u>	<u>EXPOSURE</u>	<u>SOURCE</u>
Chief Operator	53.4* ppm, VCM	Employee overexposed while working next to a new unit filter pack change.
Color Weigh Compounder	134.7* Micrograms Lead/M ³	Employee overexposed while weighing up Cyastab 523, 564 and 988 in the color weigh room.
Compounder	61.7* Micrograms Lead/M ³	Employee overexposed while charging Line III blenders with Cyastab 564.
Compounder	36.6* Micrograms Lead/M ³	Employee overexposed while charging Line III blenders with Cyastab 564.

* Respiratory protection was worn.

II. VENTILATION

The quarterly check of the compound ventilation system revealed decreased airflows through the Line III blender hoods. The hoods were then cleaned out by operations and re-checked, showing the flows to be back to acceptable levels.

III. RESPIRATORY PROTECTION

The plant's respirator program was revised and submitted for approval.

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IV. OSHA HAZARD COMMUNICATION STANDARD

The plant's hazard communication program was revised and distributed to plant department heads for comment.

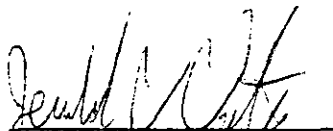
Copies of Tel-A-Trains "Chemical Safety, Parts 1 and 2," videotapes were ordered for use in hazard communication training.

Ringbinders for the plant's "Hazardous Materials Reference Books" were ordered.

V. SHORT-TERM VCM EXPOSURES

One set of short-term VCM exposure measurements was made during blanking of 744 reactor. The measurements were made, using REAL "Minimonitors" worn by three mechanics while they performed the work. As shown below, Mechanics "A" and "B" confined their work to blanking out the bottom of the reactor, while Mechanic "C" blanked out the condenser. Conclusions concerning the need for respiratory protection during this job are being deferred until additional samples have been taken.

<u>Mechanic</u>	<u>Sample Time (Min.)</u>	<u>TWA Result (ppm, VCM)</u>	<u>Work Task</u>
A	145	< 0.1	Blanked out bottom of 744 reactor.
B	160	< 0.1	Blanked out bottom of 744 reactor.
C	160	5.1	Blanked out 744 reactor condenser.


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c: JF, JWW, DWH, PJK, WFH, CRS, VEM, RAF, AHS, CWT
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