

ABERDEEN CHEMICAL PLANT
INDUSTRIAL HYGIENE MONTHLY REPORT

Month: December, 1984
Date of Report: 1/29/85

I. Routine Chemical Dosimetry

All Sample Results

<u>Chemical</u>	< PEL		> PEL (OVEREXPOSURES)	
	<u>No.</u>	<u>%</u>	<u>No.</u>	<u>%</u>
VCM	85	95.5	4	4.5
Lead	7	100.0	0	0.0
Total Particulates	5	100.0	0	0.0

Overexposures

<u>Job Class</u>	<u>Exposure</u>	<u>Source</u>
Reactor Operator	1.9* ppm, VCM	Employee overexposed while washing out the new unit chemwash tank.
Yard Operator	2.0* ppm, VCM	Employee overexposed while unloading VCM railcars.
Reactor Operator	1.7* ppm, VCM	Employee overexposed while locating leaks at 903 recovery compressor, the new unit fresh VCM filter pack and atop 741 reactor.
Electrician	1.2** ppm, VCM	The employee was overexposed while greasing pump drive motors in the new unit. The specific cause is not known. However, an upset condition involving draining of the chemwash heater is suspect.

* Respiratory protection was worn.

** Respiratory protection was not worn.

II. VCM Dosimetry Program

Two major changes were made in the program:

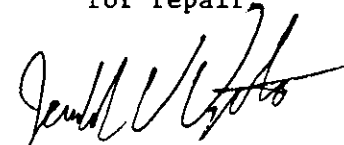
- A. Vinyl department shift workers are now being scheduled by job classification instead of by name as in the past. The scheme also results in a more random schedule with respect to time of day and day of week.
- B. Dosimetry equipment handling methods were simplified by reducing the number of people who handle each sample. All REAL badge carbon handling is now being done by lab personnel.

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IV. Ventilation Measurement

The Anemotherm model 60 "hot-wire" velometer was returned to the factory for repair.



Jerald V. Uptain

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

VCM

Lead

Total
Particulates

