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ABERDEEN CHEMICAL PLANT
ROUTINE CHEMICAL DOSIMETRY SUMMARY

MONTH OF: October 1982

DATE OF REPORT: November 4, 1982

c: JF, CRM, PEM, PJK, RDJ, WFH, CRS, RAF, RAM, AHS
T. G. Grumbles - Houston, L. A. Legendre- Ponca City

ALL SAMPLE RESULTS:

<u>Chemical</u>	<u>< PEL</u>		<u>≥ PEL OVEREXPOSURES</u>	
	<u>No.</u>	<u>%</u>	<u>No.</u>	<u>%</u>
VCM	79	86.8	12	13.2
Lead	10	100	0	0
Antimony	0	-	0	-
Total Particulates	0	-	0	-

OVEREXPOSURES:

<u>Job Class</u>	<u>Exposure</u>	<u>Source</u>
- Dryer Utility	1.0 ppm, VCM	Employee present when a VCM filter pack gasket blew out in the new unit recovery area on 10/4/82. Employee assisting with maintenance work at the time.
General Helper	1.1 ppm, VCM	Employee helped insulate lines in the new unit recovery area. During that time, a union on the east RVCM charge pump nearby was found to be leaking (and was immediately repaired).
- Vinyl Shift Supervisor ✓	1.4 ppm, VCM	Employee present in old unit recovery area when a contractor doing demolition work removed a valve from a knockout tank recirculation line. The old unit was being started up at the time and VCM was released as a result.
- Dryer Operator ✓	1.6 ppm, VCM	Helped clean out fluid bed dryer during a shutdown.

OVEREXPOSURES - (Continued)

<u>Job Class</u>		<u>Exposure</u>	<u>Source</u>
— Lead Operator	✓	1.8* ppm, VCM	Employee helped correct problem following filter pack gasket blowout of 10/4/82 mentioned above.
— Reactor Operator	✓	1.9 ppm, VCM	Installed filters in old unit recovered VCM vilter pack. The pack had been opened and valved off prior to this time. The employee opened the pack, drained water from it and installed the new filters, noting a scent of VCM.
— Dryer Utility	✓	2.6 ppm, VCM	Employee acting as firewatch for demolition work in old unit when a valve was erroneously removed from a knockout tank recirculation line (same incident as Vinyl Shift Supervisor overexposure of 1-4 ppm mentioned above).
— Reactor Operator	✓	3.0* ppm, VCM	Employee overexposed while sampling 741 and 743 reactors.
Painter/Insulator/ Carpenter		6.4 ppm, VCM	Employee worked near the new unit knockout tanks preparing for insulation work. He recalls smelling VCM at one point.
— Chief Operator	✓	10.3* ppm, VCM	Employee helped correct problem, following filter pack gasket blowout of 10/4/82 mentioned above.
General Mechanic		10.4* ppm, VCM	Employee blanked out 901 vacuum pump.
General Mechanic		35.5* ppm, VCM	Employee changed agitator seal on 741 reactor.

*Respiratory protection worn.

Jerald Uptain

ABERDEEN CHEMICAL PLANT
ROUTINE CHEMICAL DOSIMETRY SUMMARY

MONTH OF: November 1982

DATE OF REPORT: December 3, 1982

c: JF, CRM, PEM, PJK, RDJ, WFH, CRS, RAF, RAM, AHS
 T. G. Grumbles - Houston, L. A. Legendre- Ponca City

ALL SAMPLE RESULTS:

<u>Chemical</u>	<u>< PEL</u>		<u>≥ PEL OVEREXPOSURES</u>	
	<u>No.</u>	<u>%</u>	<u>No.</u>	<u>%</u>
VCM	78	92.9	6	7.1
Lead	23	95.8	1	4.2
Antimony	0	-	0	-
Total Particulates	3	100.0	0	0

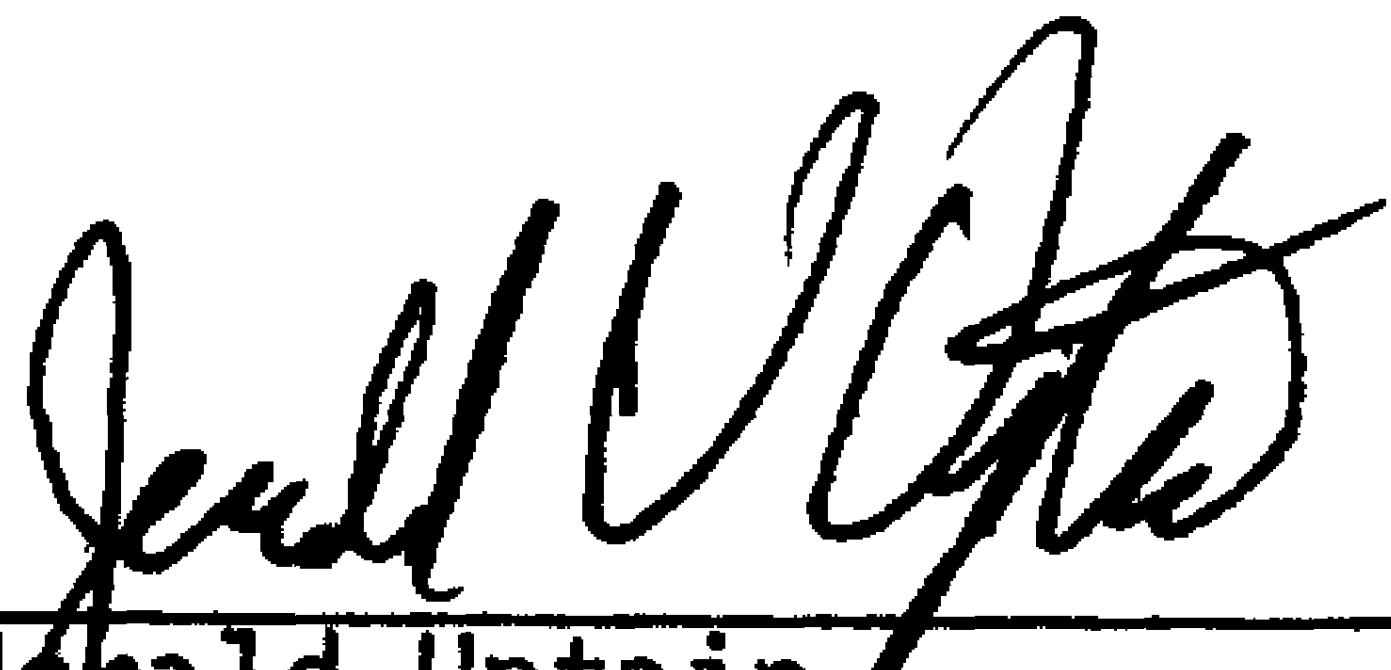
OVEREXPOSURES:

<u>Job Class</u>		<u>Exposure</u>	<u>Source</u>
Compounder		63.1* micrograms lead/m ³	Employee did regular job of charging blenders on Line III. No specific cause for the overexposure has been found. However, a suspicion exists that it may have occurred when the employee removed his coveralls causing dusting.
— Chief Operator	✓	1.5 ppm, VCM	Employee worked in vicinity of new unit blow tank during preparation for installing a sparge pipe. A leaking valve in the system gave trouble during the time.
— Reactor Operator	✓	1.8 ppm, VCM	Employee worked in old unit entire shift. No cause has been found for the overexposure. The employee and his fellow workers and supervisor have no recollection of anything that may have produced the overexposure.
— Shift Supervisor	✓	6.7 ppm, VCM	Same as Chief Operator having 1.5 ppm, VCM overexposure.

OVEREXPOSURES - (Continued)

<u>Job Class</u>		<u>Exposure</u>	<u>Source</u>
Reactor Operator	✓	7.9* ppm, VCM	Employee changed VCM filter pack filters in the old unit.
General Mechanic		1.3* ppm, VCM	Employee installed blanks in a recovery line in the old unit.
General Mechanic		14.5* ppm, VCM	Same as General Mechanic over-exposure of 1.3 ppm, VCM.

*Respiratory protection worn.



Gerald Uptain

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ABERDEEN CHEMICAL PLANT
ROUTINE CHEMICAL DOSIMETRY SUMMARY

MONTH OF: December, 1982

DATE OF REPORT: January 10, 1983

c: JF, CRM, PEM, PJK, RDJ, WFH, CRS, RAF, RAM, AHS
 T. G. Grumbles - Houston, L. A. Legendre- Ponca City

ALL SAMPLE RESULTS:

<u>Chemical</u>	<u>< PEL</u>		<u>≥ PEL OVEREXPOSURES</u>	
	<u>No.</u>	<u>%</u>	<u>No.</u>	<u>%</u>
VCM	65	91.5	6	8.5
Lead	16	88.9	2	11.1
Antimony				
Total Particulates	2	100	0	0

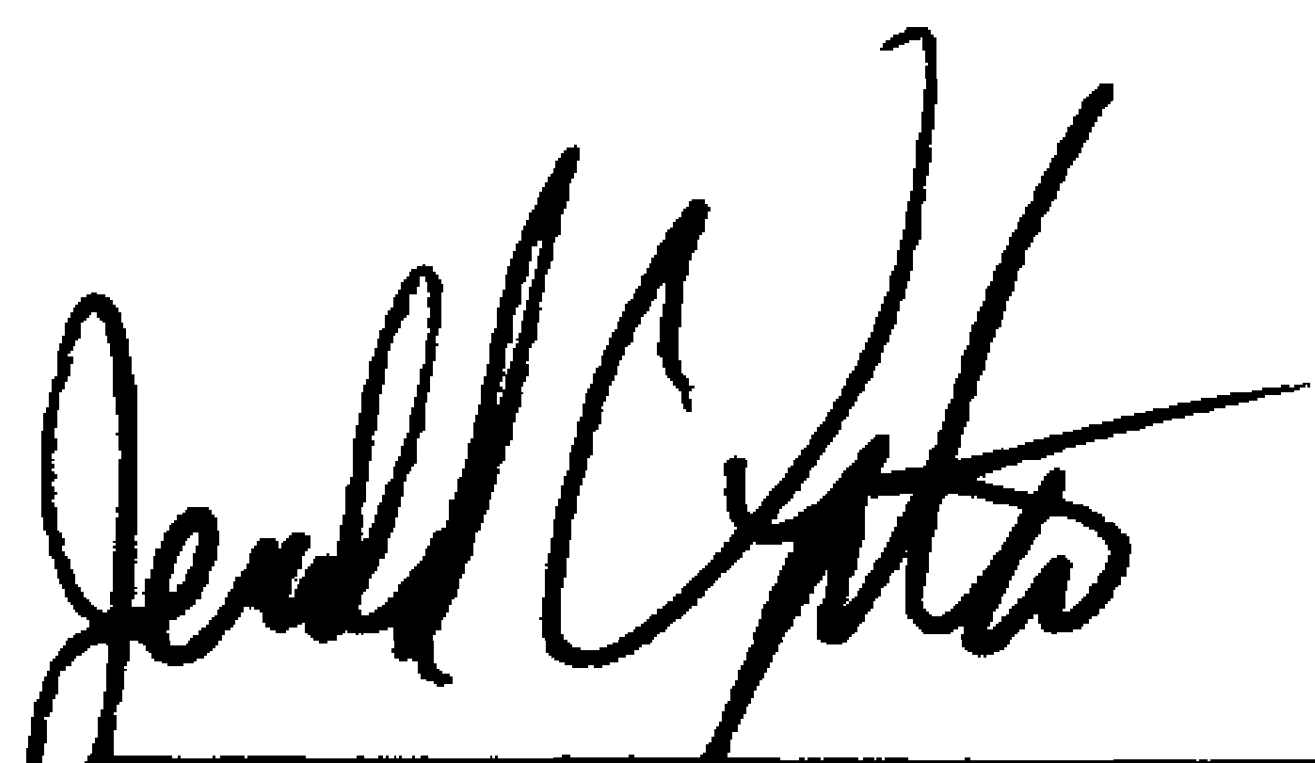
OVEREXPOSURES:

<u>Job Class</u>	<u>Exposure</u>	<u>Source</u>
Color Weigh Compounder	721.0* micrograms lead/m ³	Employee did regular job of color weighup. No specific cause has been made certain, although a shift in work habits is most suspect. Improved housekeeping and work practices are being re-emphasized at writing.
Color Weigh Compounder	120.8*, micrograms lead/m ³	Same as exposure of 721.0 micrograms lead/m ³ above.
Reactor Operator	✓ 4.1 ppm, VCM	Employee checked for VCM leak in the new unit (recovery system diverter valve found to be culprit).
Reactor Operator	✓ 6.2* ppm, VCM	Same as exposure of 4.1 ppm, VCM above.
General Mechanic	1.3 ppm, VCM	Employee overexposed while unplugging steam lines feeding steam tracers in the new unit recovery area.

OVEREXPOSURES - (CONTINUED)

<u>Job Class</u>	<u>Exposure</u>	<u>Source</u>
Maintenance Helper	1.4* ppm, VCM	Employee blanked out D-400 reactor in preparation for a seal change.
Maint. Supt. (I&E)	2.3 ppm, VCM	Employee supervised inspection of recovery compressor instrumentation during an intermittent VCM leak in the new unit.
General Mechanic	1.5 ppm, VCM	Employee pulled blanks in VCM lines and recovery lines in the old unit.

*Respiratory protection worn.



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