

ABERDEEN CHEMICAL PLANT

ROUTINE CHEMICAL DOSIMETRY SUMMARY

Month Of: December, 1983

Date Of Report: January 6, 1984

cc: JF, CRM, PEM, PJK, LPS, WFH, CRS, RAF, RAM, AHS
T. Grumbles - Houston, J. R. Drumwright, M.D. - 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	84	89.4	10	10.6
Lead	11	100.0	0	0.0
Total Particulates	0	0.0	0	0.0

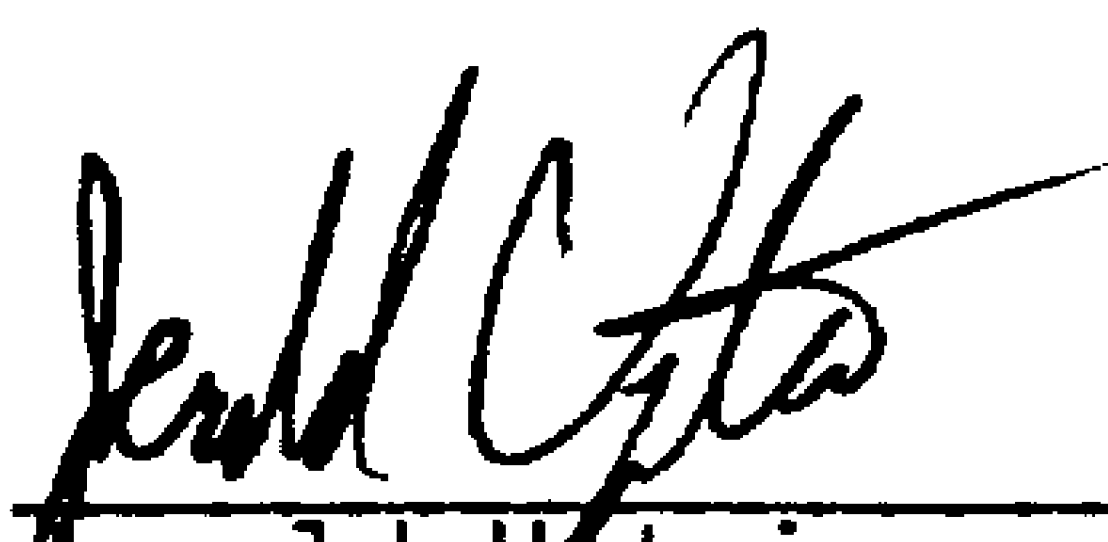
OVEREXPOSURES:

<u>Job Class</u>	<u>Exposure</u>	<u>Source</u>
Reactor Operator	38.2* ppm, VCM	Employee overexposed while changing VCM filter pack filters in the unit.
Yard Operator	2.6* ppm, VCM	Employee overexposed while unloading VCM railcars.
Yard Operator	2.1* ppm, VCM	Employee overexposed while unloading VCM railcars.
Vinyl Operations Supervisor	1.7* ppm, VCM	Employee overexposed while checking for VCM leaks on the old unit recovery compressor deck.
General Mechanic	14.0* ppm, VCM	Employee overexposed while removing a large chunk of polymer from a drain line in the new unit.

OVEREXPOSURES - Continued

<u>Job Class</u>	<u>Exposure</u>	<u>Source</u>
Instrument Technician	9.5 ppm, VCM	The employee recalls having smelled VCM while replacing a defective reed switch on a control valve in one of the reactor areas. The specific location is uncertain.
General Mechanic	6.5* ppm, VCM	Employee overexposed while changing out #5 Corken compressor.
General Mechanic	4.4 ppm, VCM	Employee overexposed while tightening the D-300 condenser lid.
General Mechanic	1.9 ppm, VCM	Employee overexposed while repairing various small leaks during startup of the old unit.
Maintenance Area Supervisor	1.7* ppm, VCM	Employee overexposed while supervising line breaking on the 901 vacuum pump.

*Respiratory Protection Worn.

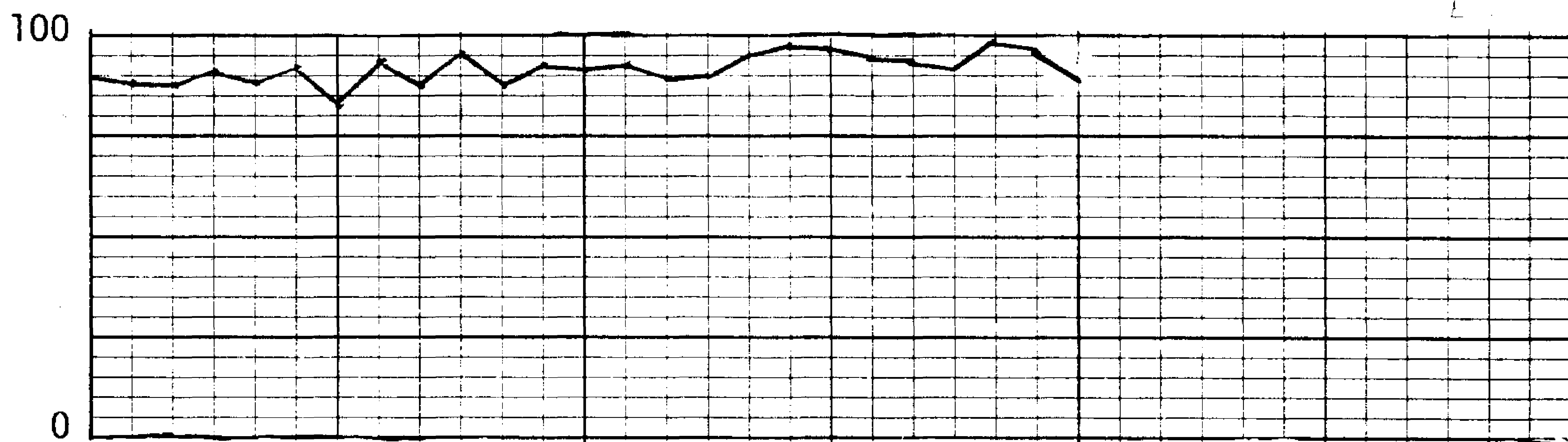

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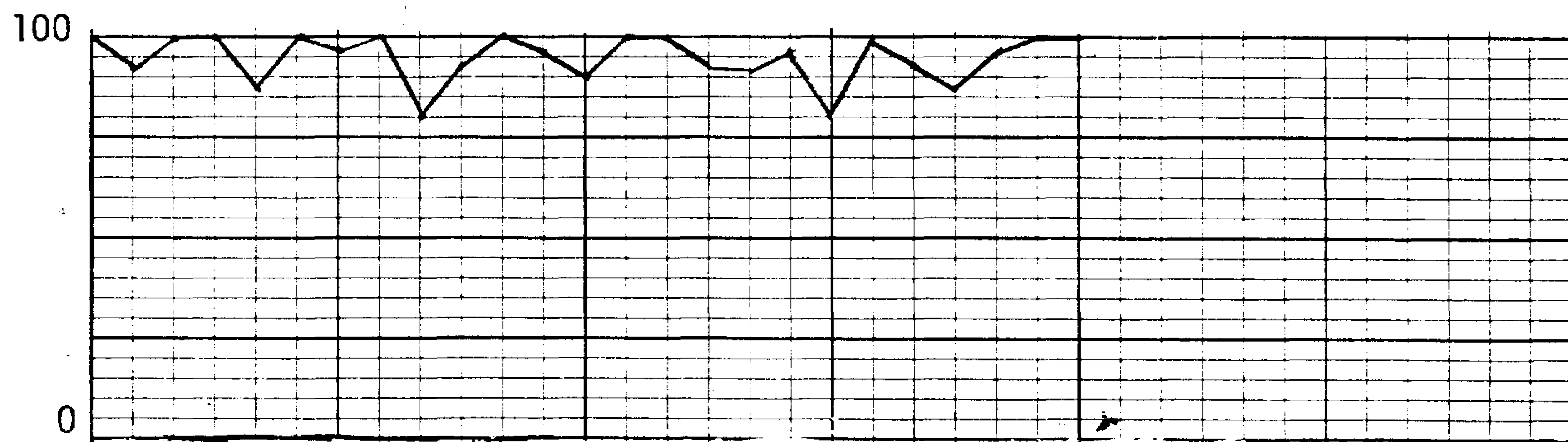
ABERDEEN CHEMICAL PLANT
CHEMICAL DOSIMETRY TRENDS

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PEL

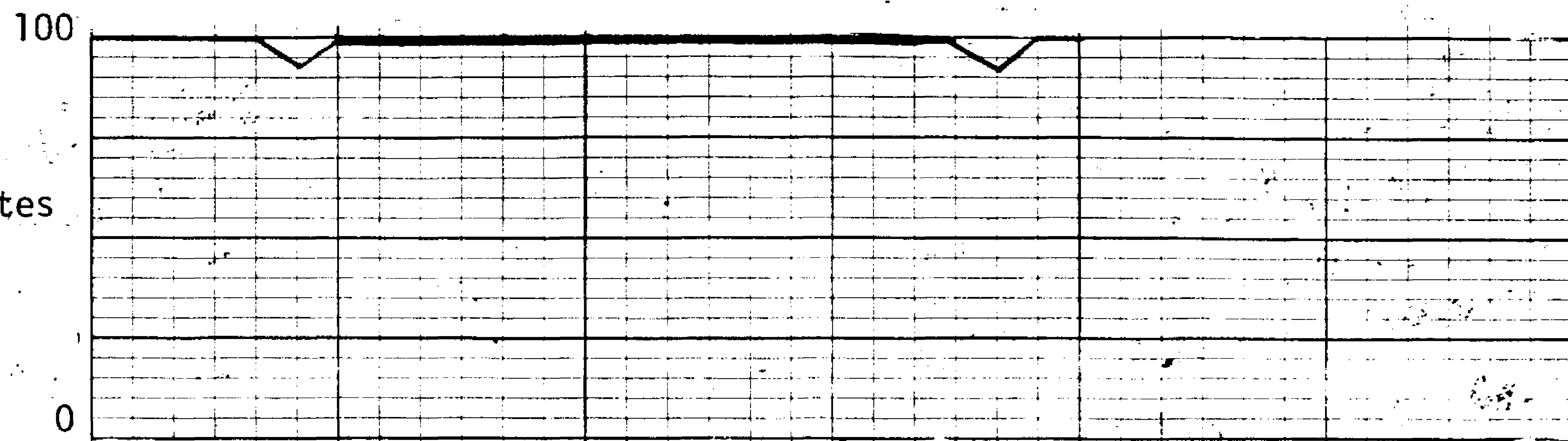
VCM



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.
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