

ABERDEEN CHEMICAL PLANT
ROUTINE CHEMICAL DOSIMETRY SUMMARY

MONTH OF: January

DATE OF REPORT: February 13, 1981

c: CLM, CRM, PEM, JRM, RDJ, TBD, SJV, RAF, JLC, AHS
 T. G. Grumbles - Houston
 O. D. Steffey - 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	67	100	0	0
Lead	4	67	2	33
Antimony	6	100	0	0
Total Particulates	5	100	0	0

OVEREXPOSURES:

<u>Job Class</u>	<u>Exposure</u>	<u>Source</u>
Line Compounder	Lead: 94.7* micrograms per M ³	Charging Blenders with Cyastab 523
Color Weigh Compounder	Lead: 149.0* micrograms per M ³	Weighing Halbase 100 EP and Cyastab 988

* Respiratory Protection Worn.

JVU:2/81

VAB.0001040309

ABERDEEN CHEMICAL PLANT
ROUTINE CHEMICAL DOSIMETRY SUMMARY

MONTH OF: February

DATE OF REPORT: March 10, 1981

c: CLM, CRM, PEM, JRM, RDJ, TBD, SJV, RAF, JLC, AHS
 T. G. Grumbles - Houston
 O. D. Steffey - Ponca City

ALL SAMPLE RESULTS:

<u>Chemical</u>	<u>< PEL</u>		<u>≥ PEL</u> <u>OVEREXPOSURES</u>	
	<u>No.</u>	<u>%</u>	<u>No.</u>	<u>%</u>
VCM	73	92	6	8
Lead	19	95	1	5
Antimony	20	100	0	0
Total Particulates	8	100	0	0

<u>Job Class</u>	<u>Exposure</u>	<u>Source</u>
Chief Operator	VCM: 1.1 ppm	Worked near leaking compressor seal.
Chief Operator	VCM: 3.8* ppm	Worked near leaking valve-"Blowdown" tank in new unit.
Vinyl Shift Supervisor	VCM: 4.3 ppm	Worked near leaking valve-"Blowdown" tank in new unit.
Vinyl Operator	VCM: 10.4* ppm	Worked near leaking recovery compressor

<u>Job Class</u>	<u>Exposure</u>	<u>Source</u>
General Mechanic	VCM: 11.7* ppm	Changed out compressor in VCM Tank Farm Compressor shed.
Vinyl Operator	VCM: 16.8* ppm	Changed filters in VCM Filter Pack.
Color Weigh Compounder	Lead: 80.2* Micrograms per M ³	Color weighup - no specific cause identified

* Respiratory Protection Worn.



Jerald Uptain

ABERDEEN CHEMICAL PLANT
ROUTINE CHEMICAL DOSIMETRY SUMMARY

MONTH OF: March, 1981

DATE OF REPORT: April 10, 1981

c: CLM, CRM, PEM, JRM, RDJ, TBD, SJV, RAF, RAM, AHS
 T. G. Grumbles - Houston
 O. D. Steffey - Ponca City

ALL SAMPLE RESULTS:

<u>Chemical</u>	<u>< PEL</u>		<u>≥ PEL</u> <u>OVEREXPOSURES</u>	
	<u>No.</u>	<u>%</u>	<u>No.</u>	<u>%</u>
VCM	83	95	4	5
Lead	22	100	0	0
Antimony	22	100	0	0
Total Particulates	7	100	0	0

OVEREXPOSURES:

<u>Job Class</u>	<u>Exposure</u>	<u>Source</u>
Vinyl Operator	1.5	Vacuum pump flush line leaking - old reactor area.
"B" Instrument Technician	1.6	Specific cause not identified. Employee cleaned a flow meter near 743 reactor, reset a jacket cooling water valve on D-300, and did monthly P.M. on Honeywell Gas chromatographs (use of 5 ppm VCM standard gas).

CONTINUED ON BACK

<u>Job Class</u>	<u>Exposure</u>	<u>Source</u>
Vinyl Operator	2.5*	Changed filters in VCM filter pack.
Vinyl Operator	3.8	Cause not identified. Employee worked in old reactor area.

* Respiratory Protection Worn.


 Gerald Uptain

ABERDEEN CHEMICAL PLANT
ROUTINE CHEMICAL DOSIMETRY SUMMARY

MONTH OF: April, 1981

DATE OF REPORT: May 8, 1981

c: CLM, CRM, PEM, JRM, RDJ, TBD, SJV, RAF, RAM, AHS
 T. G. Grumbles - Houston, O. D. Steffey - Ponca City

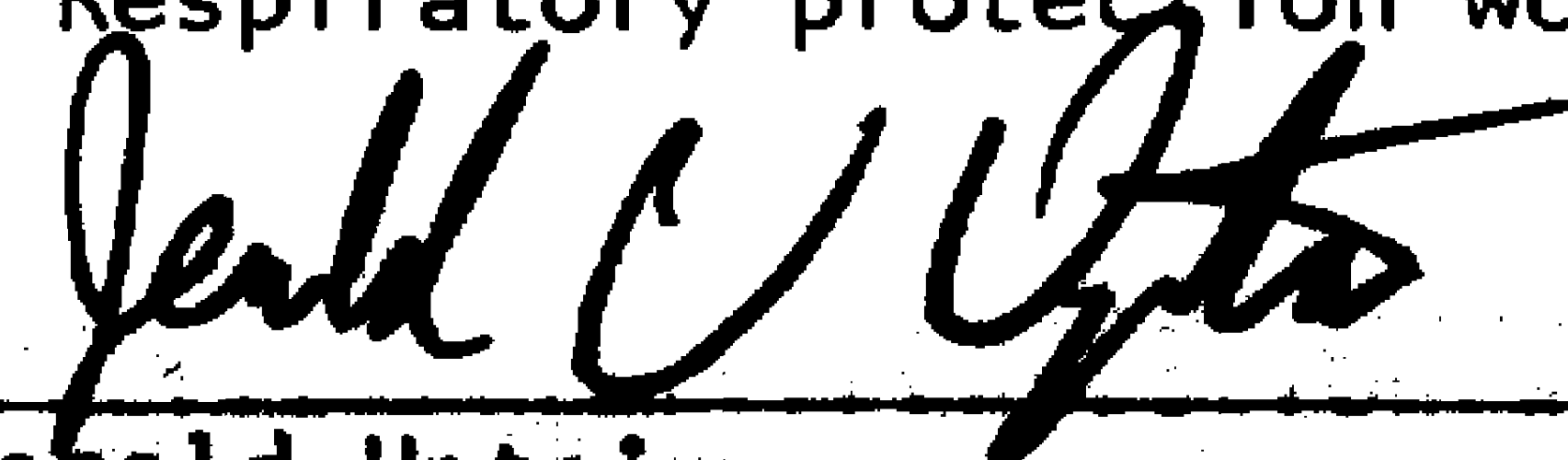
ALL SAMPLE RESULTS:

<u>Chemical</u>	<u>< PEL</u>		<u>≥ PEL (OVEREXPOSURES)</u>	
	<u>No.</u>	<u>%</u>	<u>No.</u>	<u>%</u>
VCM	83	95	4	5
Lead	36	100	0	0
Antimony	36	100	0	0
Total Particulates	5	100	0	0

OVEREXPOSURES:

<u>Job Class</u>	<u>Exposure</u>	<u>Source</u>
Vinyl Operator	1.8 ppm VCM	Specific cause not identified.
Vinyl Operator	2.4 ppm VCM *	Changing VCM filter pack filters.
Chief Operator	7.3 ppm VCM	Specific cause not identified.
Vinyl Operator	155.8 ppm VCM *	Changing VCM filter pack filters.

* Respiratory protection worn.


 Jerald Uptain

VAB.0001040314

ABERDEEN CHEMICAL PLANT
ROUTINE CHEMICAL DOSIMETRY SUMMARY

MONTH OF: May, 1981

DATE OF REPORT: June 5, 1981

c: CLM, CRM, PEM, JRM, RDJ, TBD, SJV, RAF, RAM, AHS
T. G. Grumbles - Houston, O. D. Steffey - 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	75	95	4	5
Lead	25	100	0	0
Antimony	25	100	0	0
Total Particulates	6	100	0	0

OVEREXPOSURES:

<u>Job Class</u>	<u>Exposure</u>	<u>Source</u>
Chief Operator	1.7 ppm VCM	Specific cause not identified.
General Mechanic	1.8 ppm VCM*	Repairing minor VCM leak at VCM tank farm.
Vinyl Shift Supervisor	3.3 ppm VCM*	Supervised dumping of coarse, D-400 batch.
Reactor Operator	15.3 ppm VCM*	Changed VCM filters in new unit VCM filter pack.

* Respiratory protection worn.


Jerald Uptain

ABERDEEN CHEMICAL PLANT
ROUTINE CHEMICAL DOSIMETRY SUMMARY

MONTH OF: June, 1981

DATE OF REPORT: July 1, 1981

c: CLM, CRM, PEM, JRM, RDJ, TBD, SJV, RAF, RAM, AHS
 T. G. Grumbles - Houston, O. D. Steffey - Ponca City

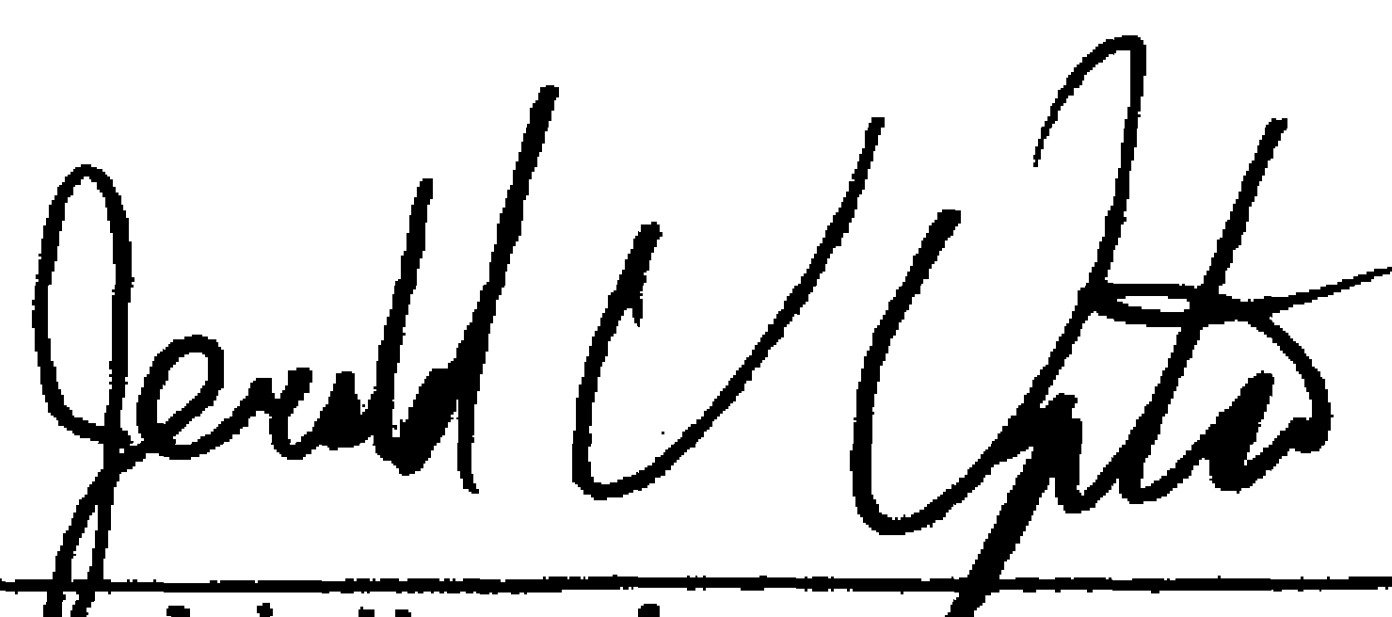
ALL SAMPLE RESULTS:

<u>Chemical</u>	<u>< PEL</u>		<u>≥ PEL OVEREXPOSURES</u>	
	<u>No.</u>	<u>%</u>	<u>No.</u>	<u>%</u>
VCM	75	95	4	5
Lead	12	100	0	0
Antimony	12	100	0	0
Total Particulates	3	100	0	0

OVEREXPOSURES:

<u>Job Class</u>	<u>Exposure</u>	<u>Source</u>
Reactor Operator	1.4 ppm VCM	Dump Sweco exhauster out of service.
Dryer Operator	2.0 ppm VCM	Specific cause not identified.
Reactor Operator	2.1 ppm VCM	Specific cause not identified.
General Mechanic	3.7 ppm VCM	Repaired caustic pump in old vinyl area. Specific cause not identified.

NONE OF THE FOUR PEOPLE WERE USING RESPIRATORY PROTECTION.


 Jerald Uptain

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ABERDEEN CHEMICAL PLANT
ROUTINE CHEMICAL DOSIMETRY SUMMARY

MONTH OF: July

DATE OF REPORT: August 12, 1981

c: CLM, CRM, PEM, JRM, RDJ, TBD, SJV, RAF, RAM, AHS
T. G. Grumbles - Houston, O. D. Steffey - Ponca City

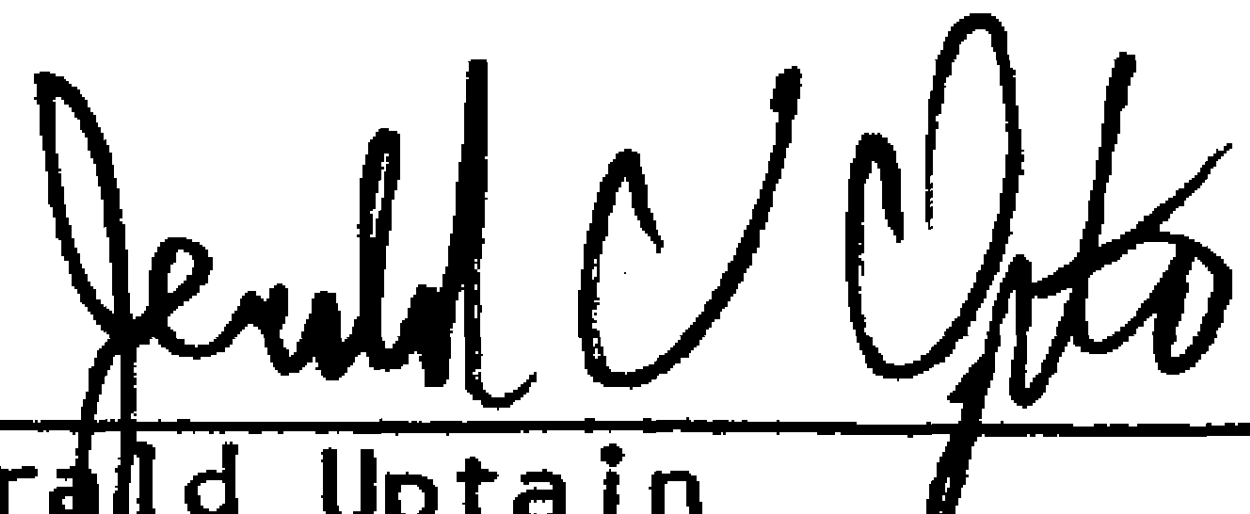
ALL SAMPLE RESULTS:

<u>Chemical</u>	<u>< PEL</u>		<u>≥ PEL OVEREXPOSURES</u>	
	<u>No.</u>	<u>%</u>	<u>No.</u>	<u>%</u>
VCM	94	97	3	3
Lead	5	100	0	0
Antimony	5	100	0	0
Total Particulates	3	100	0	0

OVEREXPOSURES:

<u>Job Class</u>	<u>Exposure</u>	<u>Source</u>
Vinyl Shift Supervisor	1.1 ppm VCM	"O" ring seal blow-out on VCM filter pack.
Chief Operator	1.4 ppm VCM	Employee removed used filters from VCM filter pack area.
Reactor Operator	3.9 ppm VCM	Specific cause not identified.

None of the three people were using respiratory protection.



Gerald Uptain

VAB.0001040317

ABERDEEN CHEMICAL PLANT
ROUTINE CHEMICAL DOSIMETRY SUMMARY

MONTH OF: August, 1981

DATE OF REPORT: September 10, 1981

c: CLM, CRM, PEM, JRM, RDJ, TBD, SJV, RAF, RAM, AHS
 T. G. Grumbles - Houston, O. D. Steffey - 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	74	90	8	10
Lead	15	94	1	6
Antimony	16	100	0	0
Total Particulates	6	86	1	14

OVEREXPOSURES:

<u>Job Class</u>	<u>Exposure</u>	<u>Source</u>
— General Mechanic	2.3 ppm VCM	Specific cause not identified
— General Mechanic	*2.7 ppm VCM	Employee blanked out D-500 reactor
— Vinyl Operations Engineer	2.7 ppm VCM	VCM leak through sewer valve @D-500
Vinyl Shift Supervisor	3.6 ppm VCM	Specific cause not identified
Vinyl Lead Operator	7.8 ppm VCM	Specific cause not identified
— General Mechanic	*9.4 ppm VCM	Employee helped change VCM recovery compressor, V-11
Vinyl Chief Operator	10.1 ppm VCM	Blown seal on recovered VCM charge pump.
— General Mechanic	*19.1 ppm VCM	Changed safety discs, north & south seal water separators, new vinyl unit
Compounder	*49.6 Micrograms Lead/M ³	Specific cause not identified
Dry Blend Utility	*20.1 Milligrams total Dust/M ³	Employee charged Master Batch & cleaned area.

* Respiratory protection worn.


 Gerald Uptain

VAB.0001040318

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ABERDEEN CHEMICAL PLANT
ROUTINE CHEMICAL DOSIMETRY SUMMARY

MONTH OF: September, 1981

DATE OF REPORT: October 9, 1981

c: JF, CRM, PEM, JRM, RDJ, TBD, SJV, RAF, RAM, AHS
T. G. Grumbles - Houston, O. D. Steffey - Ponca City

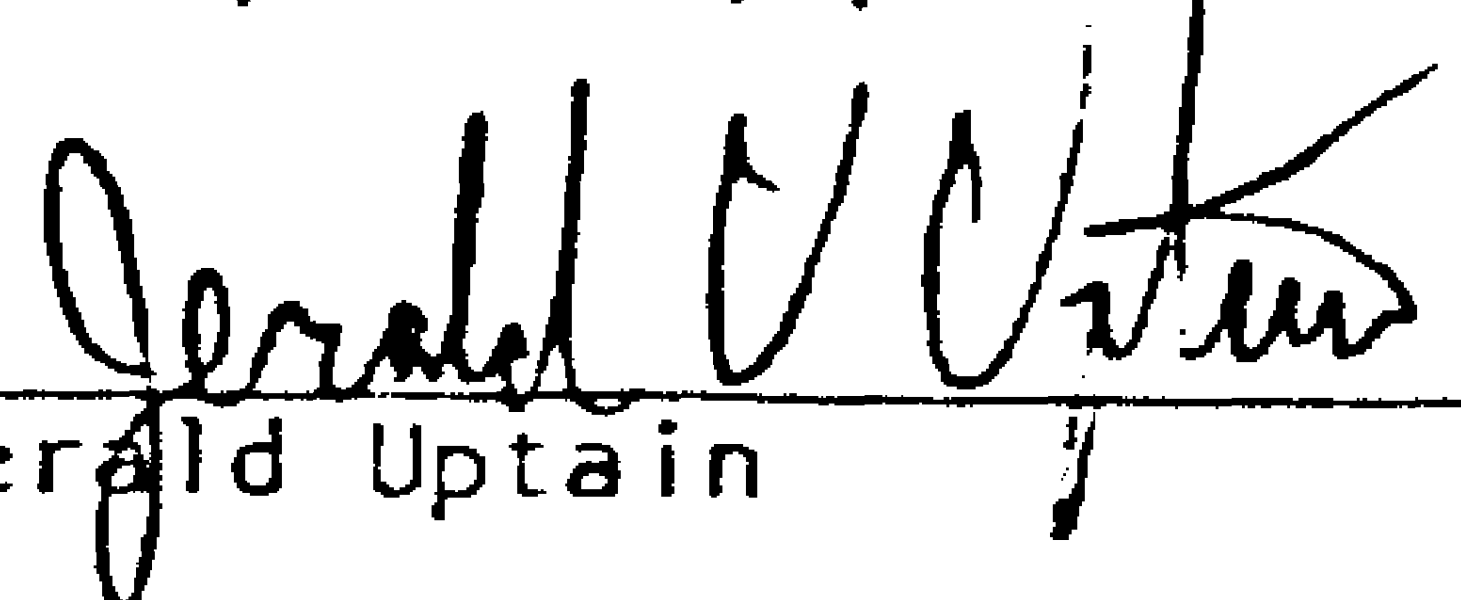
ALL SAMPLE RESULTS:

<u>Chemical</u>	<u>< PEL</u>		<u>≥ PEL OVEREXPOSURES</u>	
	<u>No.</u>	<u>%</u>	<u>No.</u>	<u>%</u>
VCM	86	92	7	8
Lead	5	100	0	0
Antimony	4	100	0	0
Total Particulates	4	100	0	0

OVEREXPOSURES:

<u>Job Class</u>		<u>Exposure</u>	<u>Source</u>
- Vinyl Shift Supervisor	9/14	1.0 ppm VCM	Specific cause not identified.
- Reactor Operator	9/4	1.1 ppm VCM	Specific cause not identified.
- Reactor Operator	9/14	*1.1 ppm VCM	Drained "knock-out" tank in new vinyl area.
- Chief Operator	9/11	*1.4 ppm VCM	Employee replaced "O" ring on 0500 Lenape and corrected malfunction at "B" vacuum pump in old reactor area.
General Mechanic	9/3	*5.2 ppm VCM	Employee helped clean VCM lines during shutdown.
- Reactor Operator	9/14	*13.0 ppm VCM	Old vinyl area recovery system plugged.
- Chief Operator	9/14	*13.6 ppm VCM	Old vinyl area recovery system plugged. (Same time as 13.0 ppm sample above.)

* Respiratory protection worn.


Gerald Uptain

VAB.0001040319

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ABERDEEN CHEMICAL PLANT

ROUTINE CHEMICAL DOSIMETRY SUMMARY

MONTH OF: October, 1981

DATE OF REPORT: November 9, 1981

c: JR, CRM, PEM, RDJ, TBD, SJV, RAF, RAM, AHS
T. G. Grumbles - Houston, O. D. Steffy - 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	68	88	9	12
Lead	10	83	2	17
Antimony	12	100	0	0
Total Particulates	3	100	0	0

OVEREXPOSURES:

<u>Job Class</u>	<u>Exposure</u>	<u>Source</u>
Compounder	51.5* Milligrams Lead/M ³	Charging Tribase EXL (Special) to Line 3 Blenders
Color Weigh Compounder	55.5* Milligrams Lead/M ³	Employee weighed Dibasic Lead Phosphite
- General Mechanic 10/16	1.9 ppm VCM	Specific cause unknown
- Yard Supervisor ✓ 10/1	2.1 ppm VCM	Worked in VCM tankfarm area for 3 hours during VCM compressor repair work
- Reactor Operator 10/2	3.4 ppm VCM	Specific cause not determined
- Maintenance Helper 10/23	3.9 ppm VCM	Employee helped repair D-500 gearbox
- Reactor Operator 10/6	4.6 ppm VCM	Specific cause not determined
Chief Operator 10/12	4.7* ppm VCM	Specific cause not identified
- General Mechanic 10/4	4.8 ppm VCM	Employee helped repair minor leaks during leak survey
Chief Operator 10/9	5.9* ppm VCM	Employee worked on Emission Recovery system and large reactor recovery system
- Reactor Operator	20.7* ppm VCM	Changed filters in VCM filter packs

* Respiratory protection worn


Gerald M. Uptain

VAB.0001040320

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ABERDEEN CHEMICAL PLANT

ROUTINE CHEMICAL DOSIMETRY SUMMARY

R E V I S E D

MONTH OF: November, 1981

DATE OF REPORT: December 16, 1981

c: JF, CRM, PEM, PJK, RDJ, WFH, SJV, RAF, RAM, AHS
T. G. Grumbles - Houston, E. L. DeWhitt - Ponca City

ALL SAMPLES RESULTS:

<u>Chemical</u>	<u>PEL</u>		<u>PEL OVEREXPOSURES</u>	
	<u>No.</u>	<u>%</u>	<u>No.</u>	<u>%</u>
VCM	74	96	3	4
Lead	8	100	0	0
Antimony	8	100	0	0
Total Particulates	2	100	0	0

OVEREXPOSURES:

<u>Job Class</u>		<u>Exposure</u>	<u>Source</u>
Reactor Operator	11/4	*1.0 ppm VCM	Employee "recovered" a VCM receiver.
Chief Operator	11/9	*3.1 ppm VCM	Employee isolated VCM charge pumps and recovery compressors.
Reactor Operator	11/8	7.4 ppm VCM	Specific cause not determined.

* Respiratory protection worn.



Gerald Uptain

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ABERDEEN CHEMICAL PLANT

ROUTINE CHEMICAL DOSIMETRY SUMMARY

Month of December, 1981

Date of Report January 15, 1982

c: JF, CRM, PEM, PJK, RDJ, WFH, SJV, RAF, RAM, AHS
T. G. Grumbles - Houston, E. L. DeWhitt - Ponca City

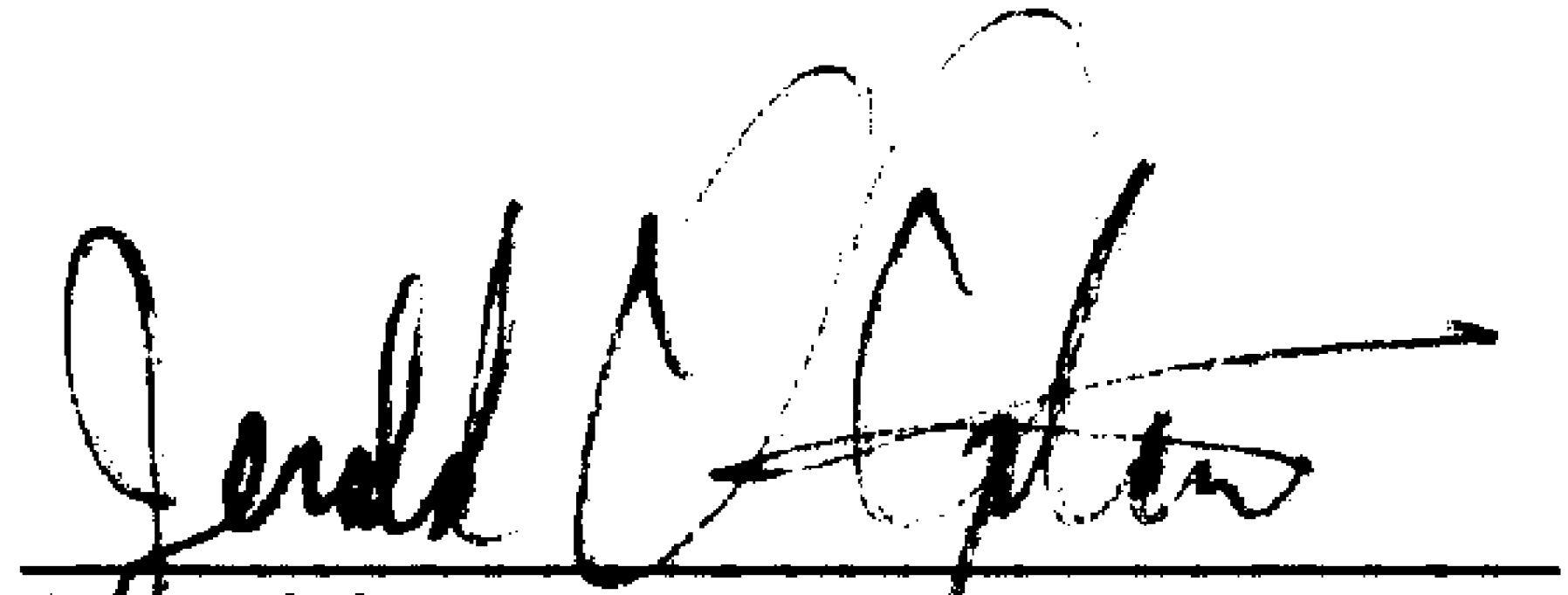
ALL SAMPLE RESULTS:

<u>Chemical</u>	<u>< PEL</u>		<u>≥ PEL (Overexposures)</u>	
	<u>No.</u>	<u>%</u>	<u>No.</u>	<u>%</u>
VCM	64	90	7	10
Lead	6	100	0	0
Antimony	6	100	0	0
Total Particulates	6	100	0	0

OVEREXPOSURES:

<u>Job Class</u>		<u>Exposure</u>	<u>Source</u>
- Maint. Supervisor	12/2	1.2 ppm VCM	Specific cause unknown
- Reactor Operator	12/12	1.4 ppm VCM	" " "
- General Mechanic	12/10	3.6*ppm VCM	Employee repaired recovery compressor in old vinyl unit.
- General Mechanic	12/2	6.4*ppm VCM	Employee pulled and cleaned vacuum pump.
Chief Operator	12/18	6.5 ppm VCM	Specific Cause Not Found
- General Mechanic	12/15	12.6*ppm VCM	Employee repaired emission recovery system.
- Reactor Operator	12/19	17.1*ppm VCM	Employee sampled PVC reactor

* Respiratory protection worn.


Gerald V. Uptain

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VAB.0001040322