

BFGOODRICH COMPANY

CHEMICAL GROUP

AVON LAKE GENERAL CHEMICAL PLANT

October, 1980

AVON LAKE VCM CONTROL TEAM

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NGC 18060

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TO	R.D. Holmes	FIELD POINT OR DEPT. & BLDG. NO.	ALGCP - OSHA Coordinator	DATE YOUR LETTER
FROM	B.R. Welch	FIELD POINT OR DEPT. & BLDG. NO.	ALGCP - E.H.T.	DATE THIS LETTER
SUBJECT	October	SUMMARY OF VCM PERSONNEL MONITORING AT ALGCP		

BUILDING	NO. SAMPLED	NO. <.5	NO. >.5<1.0	NO. >1.0	RANGE	AVERAGE	%<1.0
451 Poly Building INCLUDING TASKS	5	3	0	2	0.00-3.10	0.98	60%
451 Poly Building	5	3	0	2	0.00-3.10	0.98	60%
Job							
Code 600 Operator	1	0	0	1	1.40	1.40	
Job							
Code 620 Refrig.	4	3	0	1	0.00-3.10	0.88	
Job							
Code							
461 Poly Building INCLUDING TASKS	21	6	3	12	0.19-39.10	5.18	43%
461 Poly Building	18	6	3	9	0.19-9.18	2.41	50%
Job							
Code 750 HRC	3	1	0	2	0.45-9.18	3.73	
Job							
Code 600 Operator	7	2	0	5	0.28-9.15	3.32	
Job							
Code 630 B.D.	4	2	1	1	0.31-4.68	1.49	
463 Poly Building INCLUDING TASKS	15	13	1	1	0.00-1.24	0.22	87%
463 Poly Building	14	13	1	0	0.00-0.76	0.15	100%
Job							
Code 600 Operator	9	8	1	0	0.00-0.76	0.18	
Job							
Code 630 B.D.	2	2	0	0	0.00-0.23	0.11	
Job							
Code 100 Foreman	3	3	0	0	0.04-0.20	0.10	
454 Poly Building INCLUDING TASKS	22	14	3	5	0.00-9.73	1.01	77%
464 Poly Building	20	14	3	3	0.00-3.14	0.54	85%
Job							
Code 750 HRC	2	1	0	1	0.37-3.14	1.75	
Job							
Code 393 Instrument	2	1	0	1	0.00-1.86	0.93	
Job							
Code 630 B.D.	4	2	1	1	0.00-1.54	0.64	
TOTAL REGULATED AREAS INCLUDING TASKS	63	36	7	20	0.00-39.10	2.21	68%
TOTAL REGULATED AREAS	57	36	7	14	0.00-9.18	1.07	75%

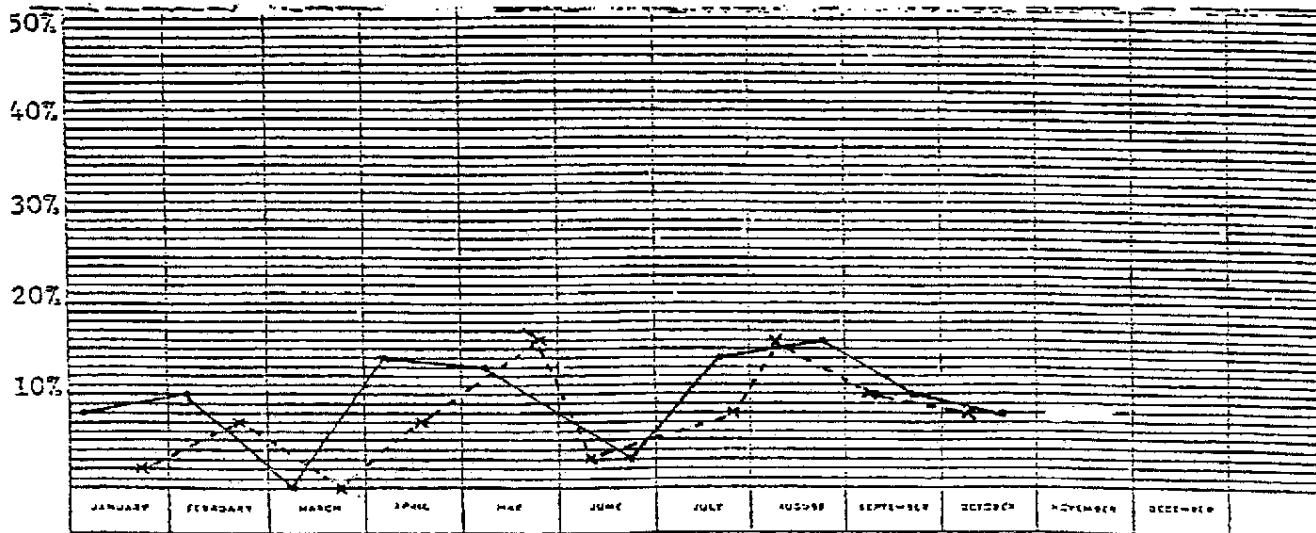
continued

Building	SAMPLED	< .5	>.5<1.0	> 1.0	RANGE	AVERAGE	<1.0
Geon West 52 Dryer Building	23	22	0	1	0.00-1.23	.21	96%
Geon West 57 Office	0	0	0	0	0	0	--
Latex 58 Office	0	0	0	0	0	0	--
59 Rodney Hunt	5	1	1	3	0.15-4.00	1.43	40%
Geon East 55 Dryer Building	3	3	0	0	0.00-0.15	.08	100%
56 Maintenance	1	1	0	0	.05	.05	100%
54 Tank Farm	4	3	0	1	0.00-1.26	.45	75%
TOTAL PLANT	93	66	8	19	0.00-9.18	0.81	80%

Yr. to date PPM = 0.51
% < 1 PPM yr to date = 89%

% Break thru Reported

Dual tubes checked -----	36
over >20% on 2nd tube -----	3
over <20% on 2nd tube -----	33
Percent exceeding the 20% criteria -----	8%
Percent exceeding the 25% criteria -----	8%



X-OSHA
STANDARD
BFG
GOAL

[illegible]

VCL PERSONNEL MONITORING >1.0 PPM

[illegible]

OSHA-VCL PERSONNEL MONITORING < 1.0 PPM

<u>Area</u>	<u>Sept.</u>	<u>Summer Goal</u>	<u>Oct.</u>	<u>Winter Goal</u>	<u>Yearly Goal</u>	<u>Y.T.D.</u>
ALGCP	84.5%	92.0%	79.6%	86.0%	89.0%	88.8%
Dispersion						
B/451	100%	85.0%	60%	79.0%	82.0%	72.4%
B/461	75.0%	81.0%	50%	75.0%	78.0%	78.5%
Latex						
B/463	95.8%	95.0%	100%	89.0%	92.0%	96.0%
Suspension						
B/464	70.8%	91.0%	85.0%	85.0%	88.0%	81.8%

Area Monitoring Regulated < 1.0 PPM

<u>Area</u>	<u>Goal</u>	<u>Sept.</u>	<u>Oct.</u>	<u>Y.T.D.</u>
B/451	85.0%	99.6%	94.0%	87.3%
B/461	85.0%	89.8%	79.1%	87.1%
B/463	88.0%	96.9%	98.7%	94.3%
B/464	85.0%	76.8%	80.7%	81.7%

NGC 18066

TO	C. Bayard	FIELD POINT OR DEPT. & BLDG. NO. Manager/Geon West - ALGCP	DATE YOUR LETTER
FROM	G. Rodgers	FIELD POINT OR DEPT. & BLDG. NO. Geon West - ALGCP	DATE THIS LETTER
SUBJECT			

Ambient Vinyl Chloride Report October, 1980

The Poly Entry frequencies for B/451 and B/461 are listed below:

<u>Percent Poly Entries</u>	<u>B/451</u>	<u>B/461</u>
Average Past 6 months	----	7.53
Current Month		8.1

	**	
<u>Building Area Monitoring</u>	<u>B/451</u>	<u>B/461</u>
% Time Below 1 PPM	92.76	77.78
% Time Below 3 PPM	98.31	92.09

<u>Personnel Monitoring</u>	<u>B/451</u>	<u>B/461</u>	<u>B/452</u>	<u>B/459</u>
Building Averages	0.98	2.41	.21	1.43
Percent Below 1 PPM	60%	50%	96%	40%
Averages (with Tasks)	0.98	5.18		
% < 1 PPM (with Tasks)	60%	43%		

	<u>B/451</u>	<u>B/461</u>
Charge Operator	1.40	0.18
Foreman	----	0.10
Refrigeration Operator	0.88	----
Blowdown Operator	----	0.11

**Started 1/2 of B/451 at end of October, 1980

GR/bjc

NGC 18067

October , 1980

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ACTIVE OSHA PROJECTS IN GEON WEST:

PROJECT	RESPONSIBILITY	COMPLETION DATE	DESCRIPTION
Revisions to high pressure covery system and to recovered charge system	Montazeri Samelson Engineering	9/30/80	Some revisions complete - others in design phase. Need additional money approved.
Reduce VCM levels in ABCOR Bldg.	Maille	6/30/80	Complete Area Monitored in July Highest reading was 0.43 PPM
Reduce VCM levels in VGA enclosure	Samelson	8/31/80	Leaks were repaired during shutdown.
Analyze ventilation in B/461			ON HOLD
Stripper strainer recovery			Unsuccessful - will solve problem with a Cuno filter.
Apply coatings to reduce entry frequency	Mannino		Experimental work looks good. Continuing experimental work.

NGC 18068

October. 1980

Reason for Excursions Above 3 PPM - B/461

<u>Type*</u>	<u>Number Of Excursions</u>	<u>Reason for Excursion</u>	<u>Corrective Action</u>
N	149	Plugged Strainers	
N	23	Clean charge lines	
N	68	Plugged polys	
E	72	Gasket leak at rup. disc.	Changed gasket
E	27	Valve leaks	Replaced valves
E	18	Premix seal blown	Maint. repaired

Reasons for Excursions Above 3 PPM - B/451

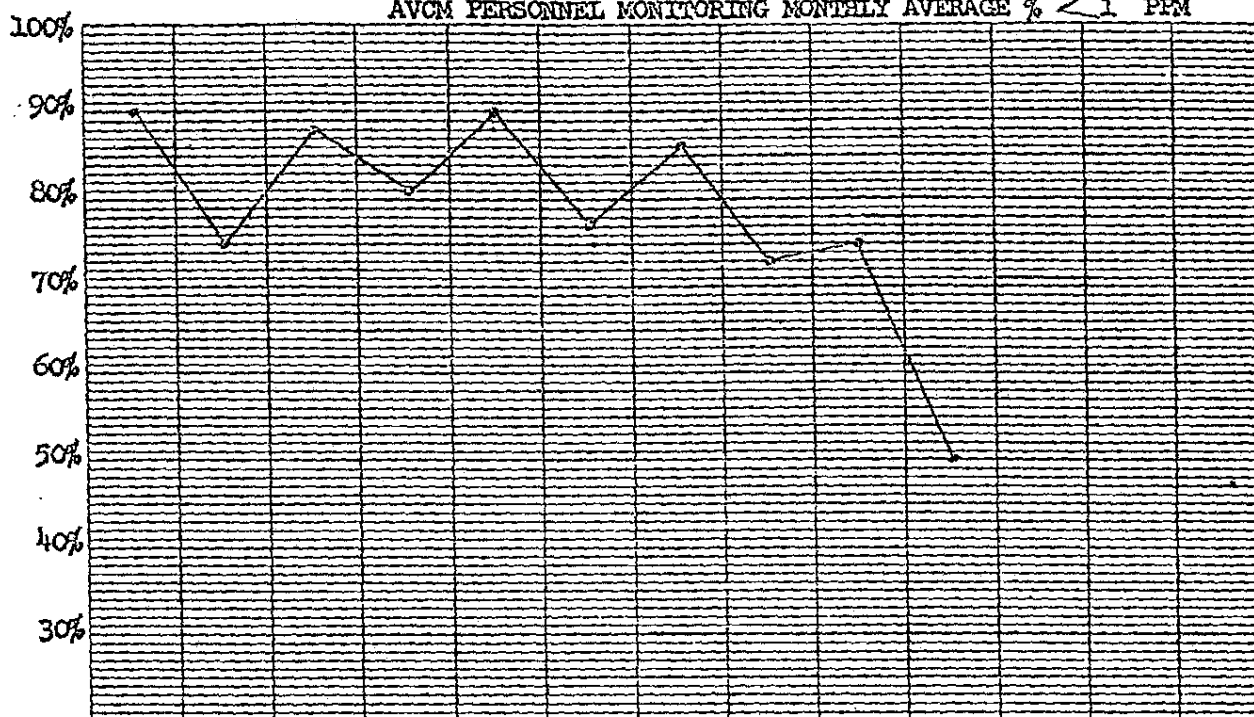
E	56	Pin Holes in VCL line	Maint. Replaced line
E	12	Valve leaks	Replaced valves

NGC 18069

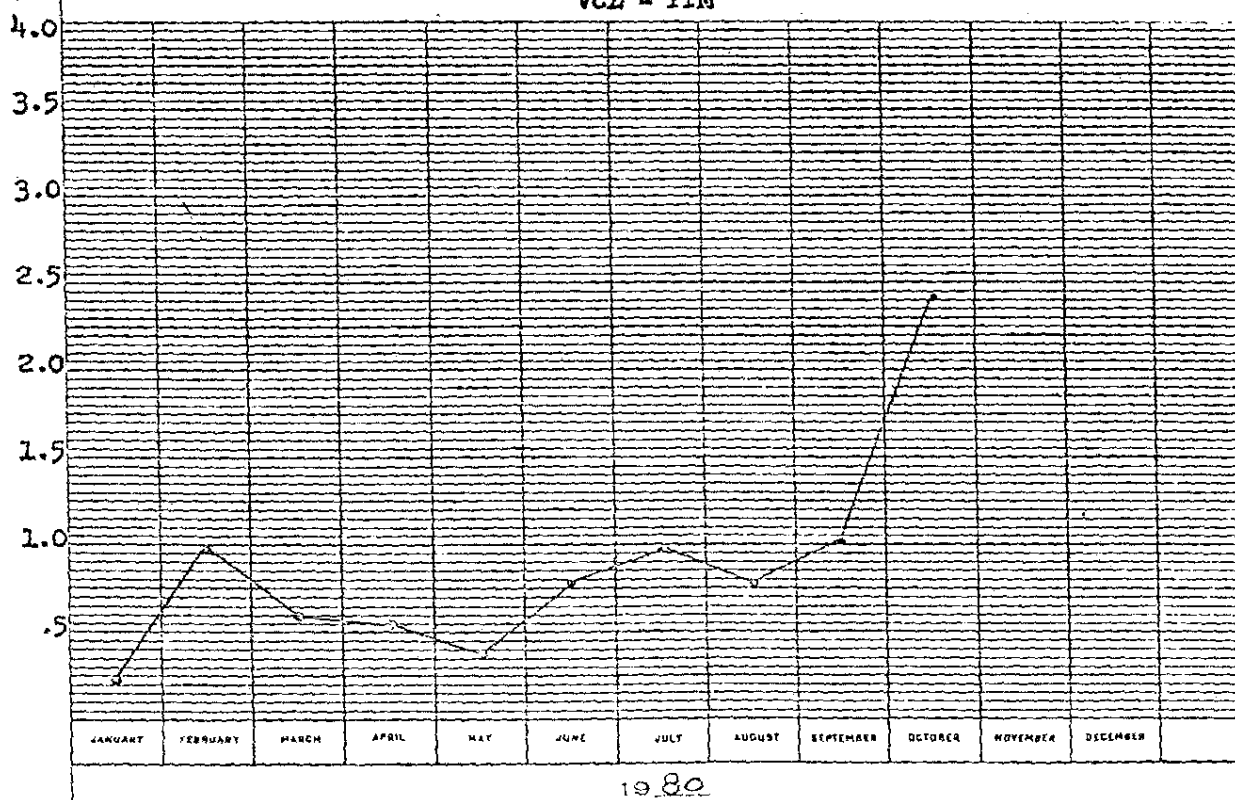
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NO. OF THE WILLARD GRAPH PAPER ONE YEAR BY MONTHS

AVCM PERSONNEL MONITORING MONTHLY AVERAGE % < 1 PPM



AVCM PERSONNEL MONITORING MONTHLY AVERAGE
VCL - PPM

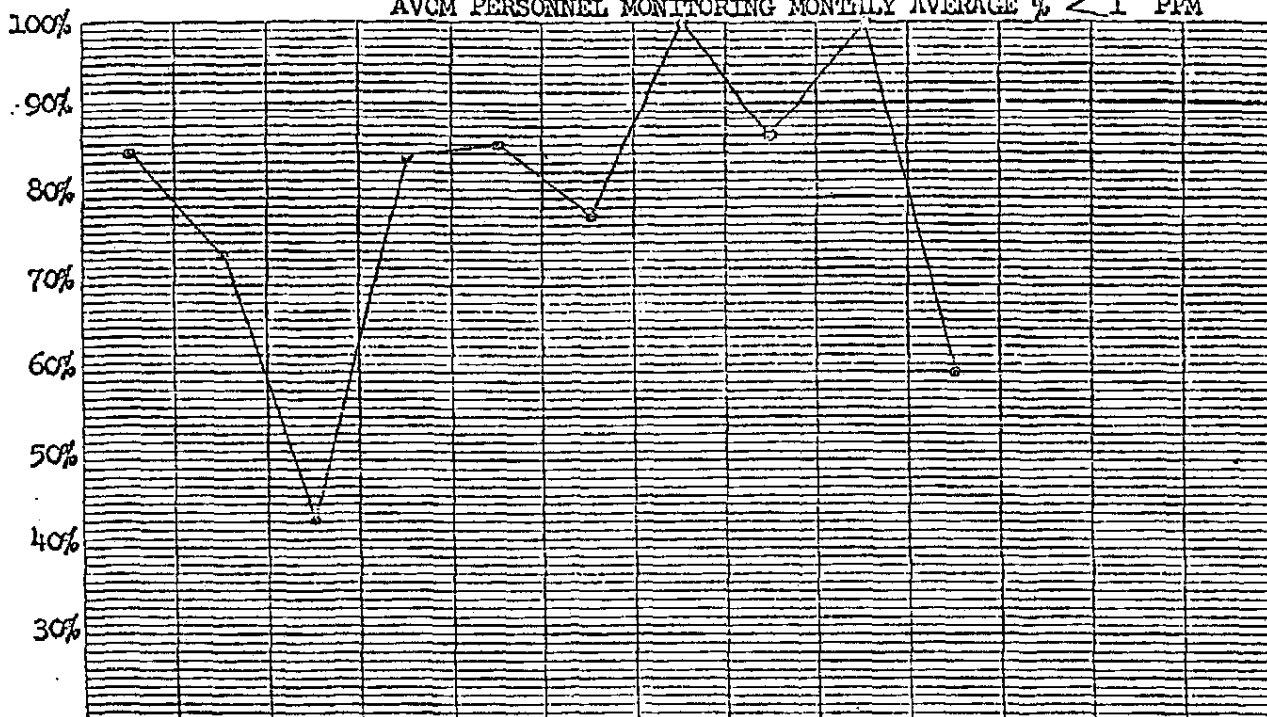


1982

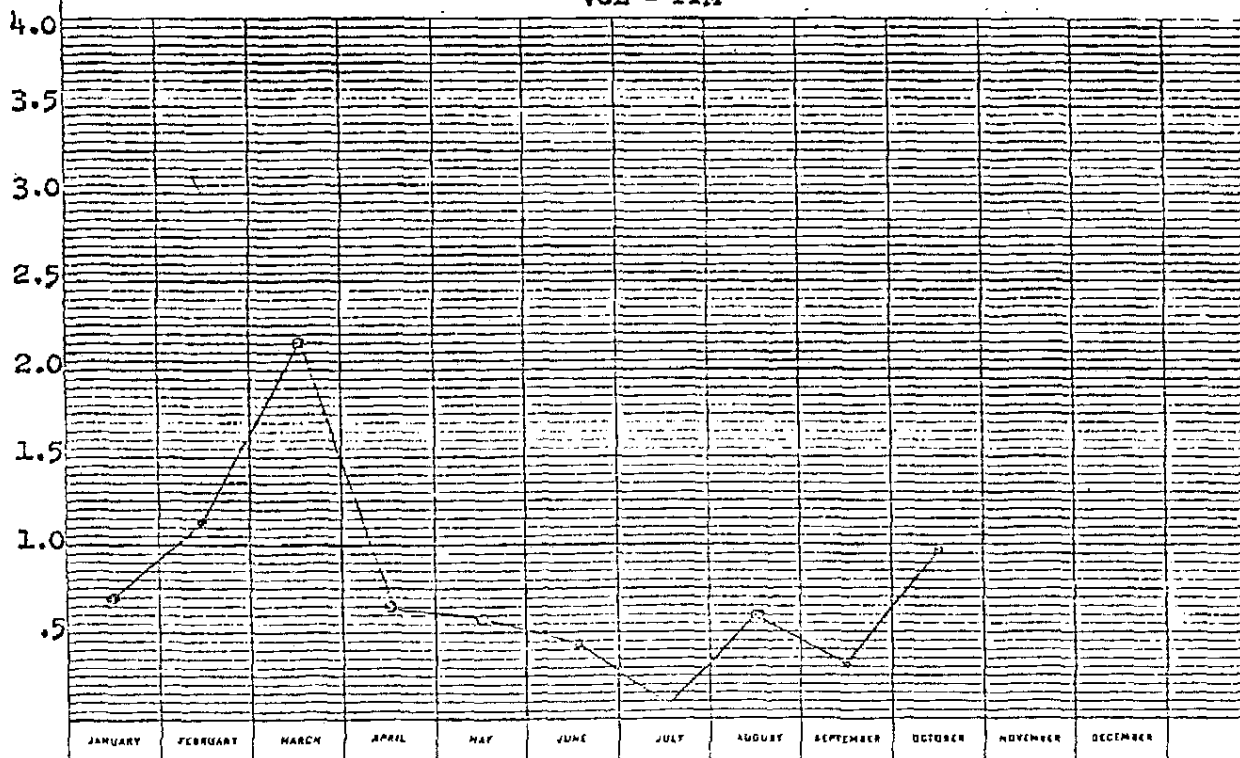
B / 111

NGC 18070

AVCM PERSONNEL MONITORING MONTHLY AVERAGE % < 1 PPM



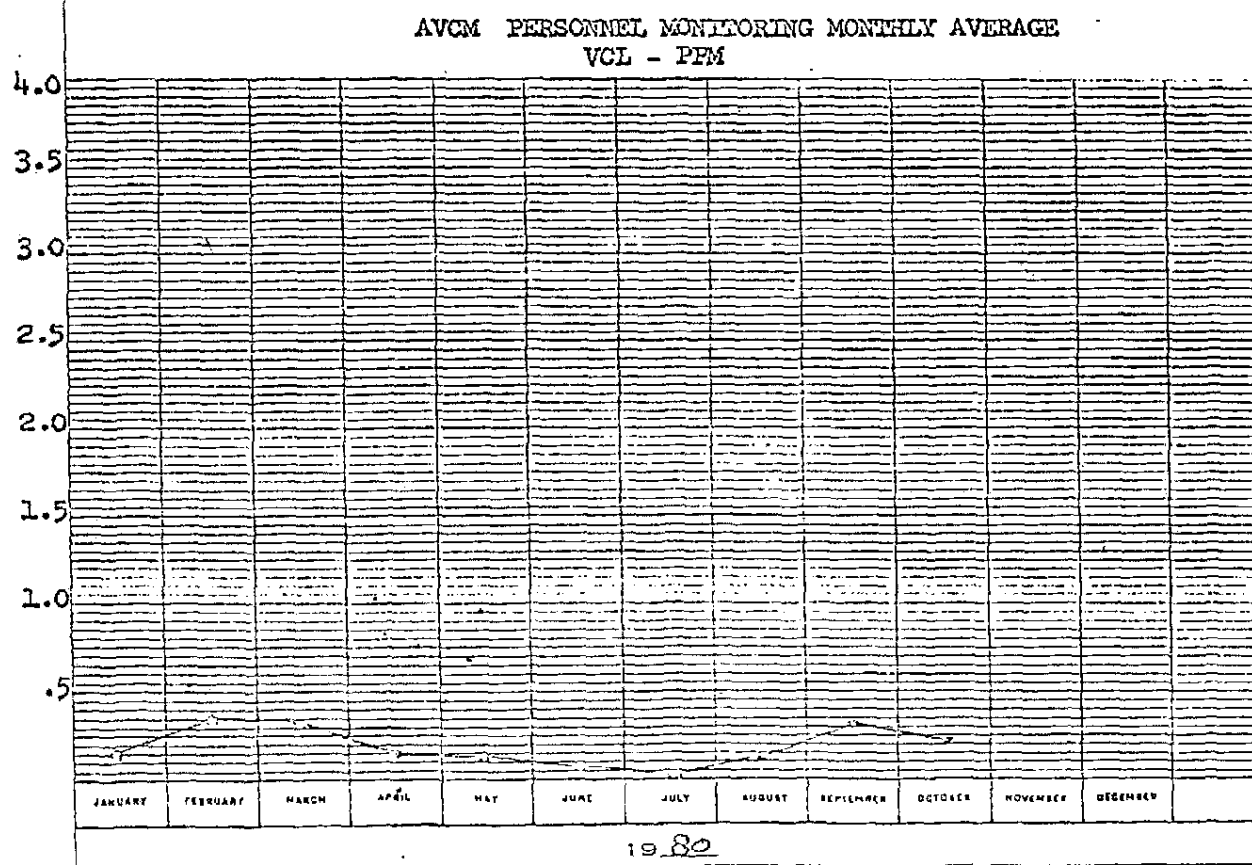
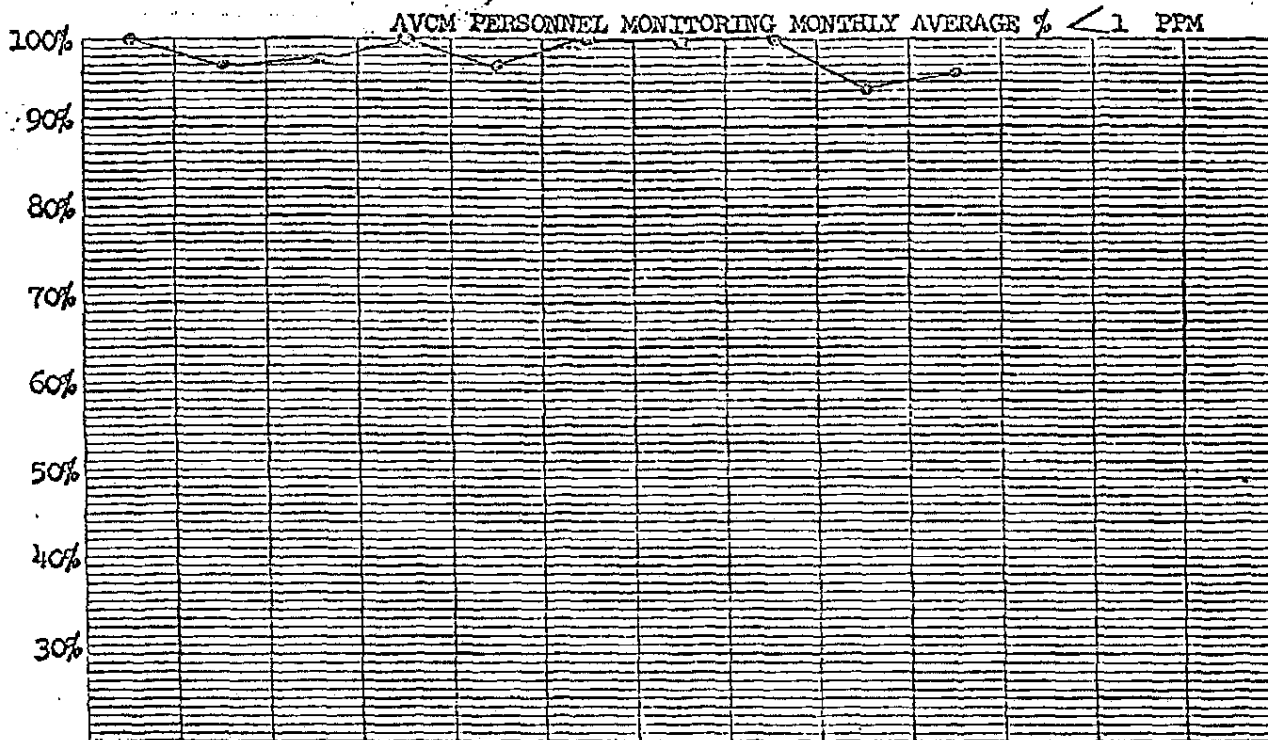
AVCM PERSONNEL MONITORING MONTHLY AVERAGE
VCL - PPM



19 80

B /

NGC 18071

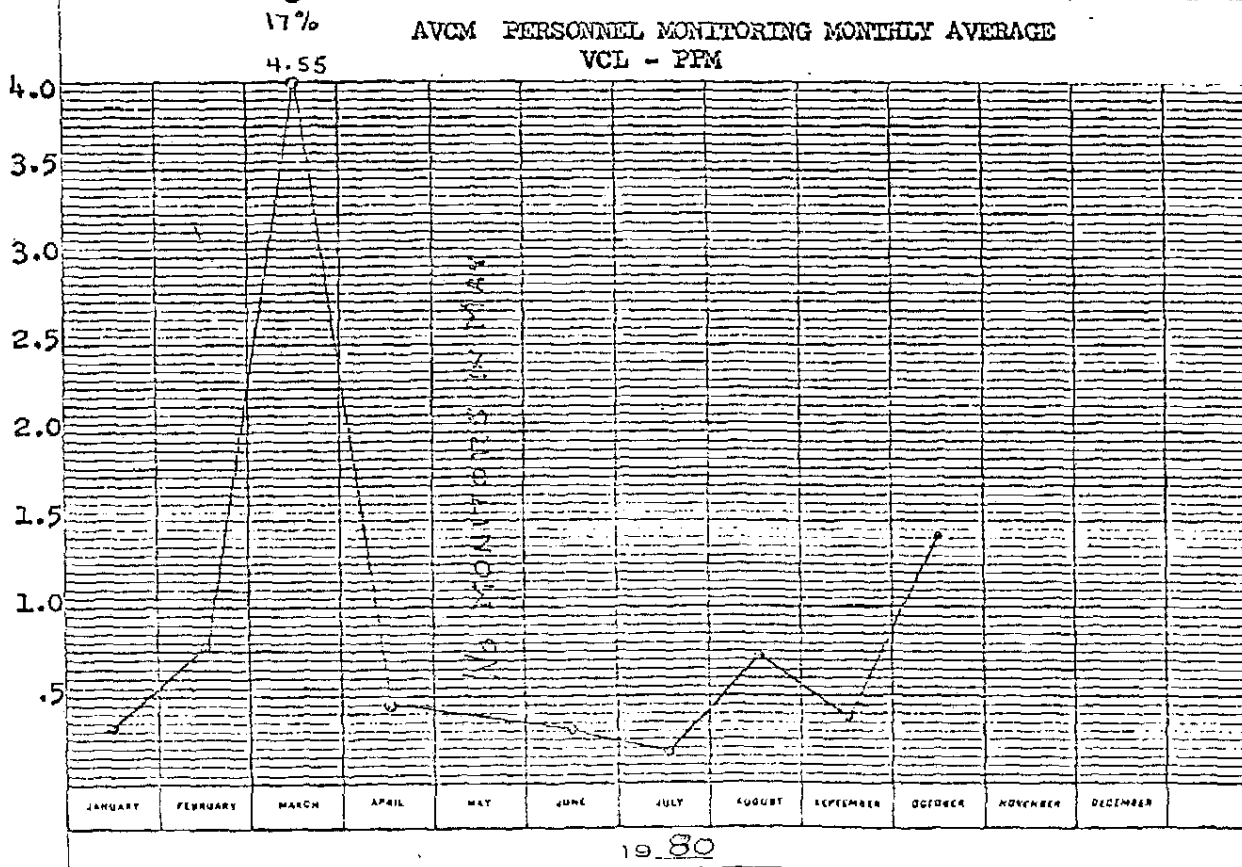
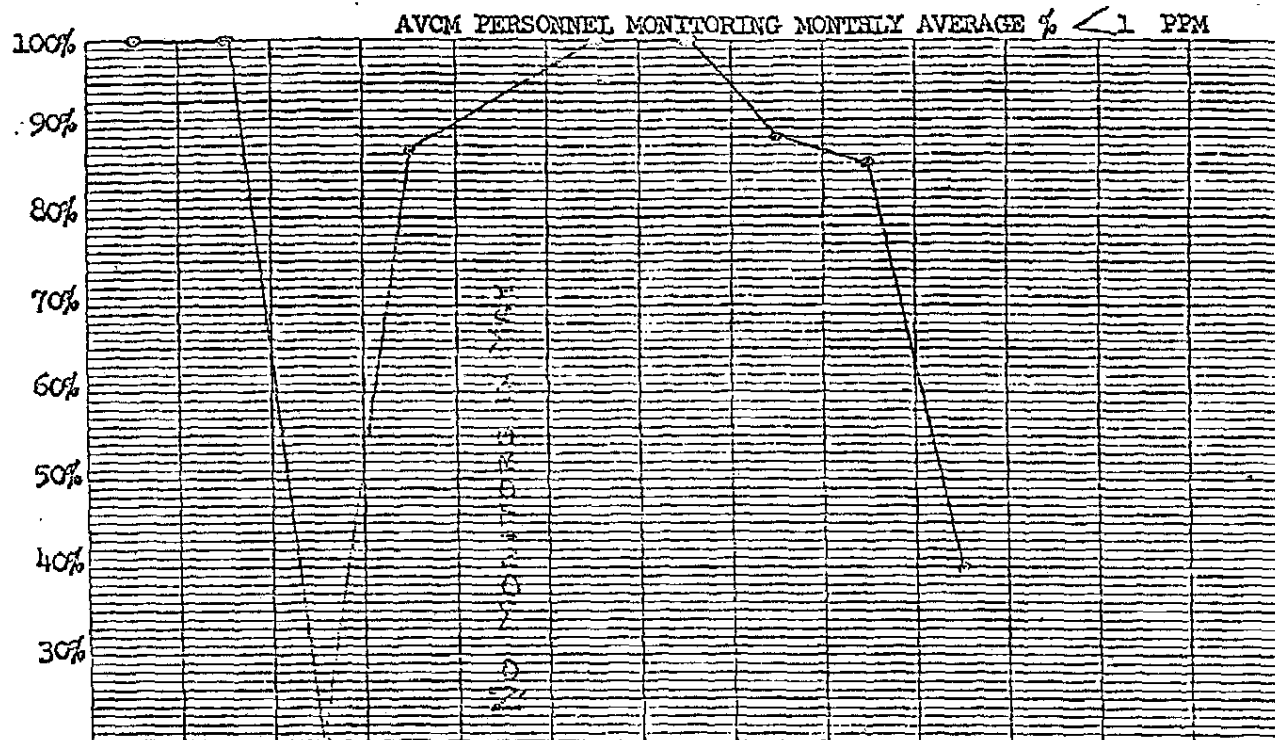


ONE YEAR BY MONTHS

1980

B/1150

NGC 18072



B1

NGC 18073

NGC 18074

/bjc

Steve Urban

1 PPM 89.2%
3 PPM 97.6%

Building Area Monitoring: % Time Below

October Average - .54 ppm
% 1 PPM - 85%
HRC Operators - 1.75
Maintenance - .93
Blowdown & Recovery - .64

Personnel Monitoring:

The personnel monitoring results for October were 85% below 1 PPM (77%-including tasks). The major source of VCM excursions was coarse charges and the resultant plugged strainer baskets and transfer lines.

Ambient Vinyl Chloride Report - October, 1980

TO		M.A. Ivkanec		FIELD POINT OR DEPT. & BLDG. NO.		DATE YOUR LETTER	
FROM		S.J. Urban		FIELD POINT OR DEPT. & BLDG. NO.		DATE THIS LETTER	
SUBJECT		Geon East		Geon East		12/1/80	

INTER-ORGANIZATION CORRESPONDENCE

October, 1980

Geon East - VCM Excursions Greater than 3.0 PPM

<u>Type</u>	<u>Number Of Excursions</u>	<u>Reason for Excursion</u>
Misc.	99	Coarse charges
Misc.	66	Plugged lines
Eq.	41	Pit blower breakdown
N	38	Strainer basket cleaning
Eq.	32	Leaking valves
Eq.	32	Changing valves
N	19	Changing filters
Eq.	18	Surge tank pump problems
Misc.	17	Leaking gaskets
Eq.	12	Poly seal problems
Misc.	7	Leaking manhead seals
Misc.	7	Opening polys
Misc.	4	Recovery seal maintenance

Misc. - Miscellaneous
E - Equipment Failure
N - Normal

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October, 1980

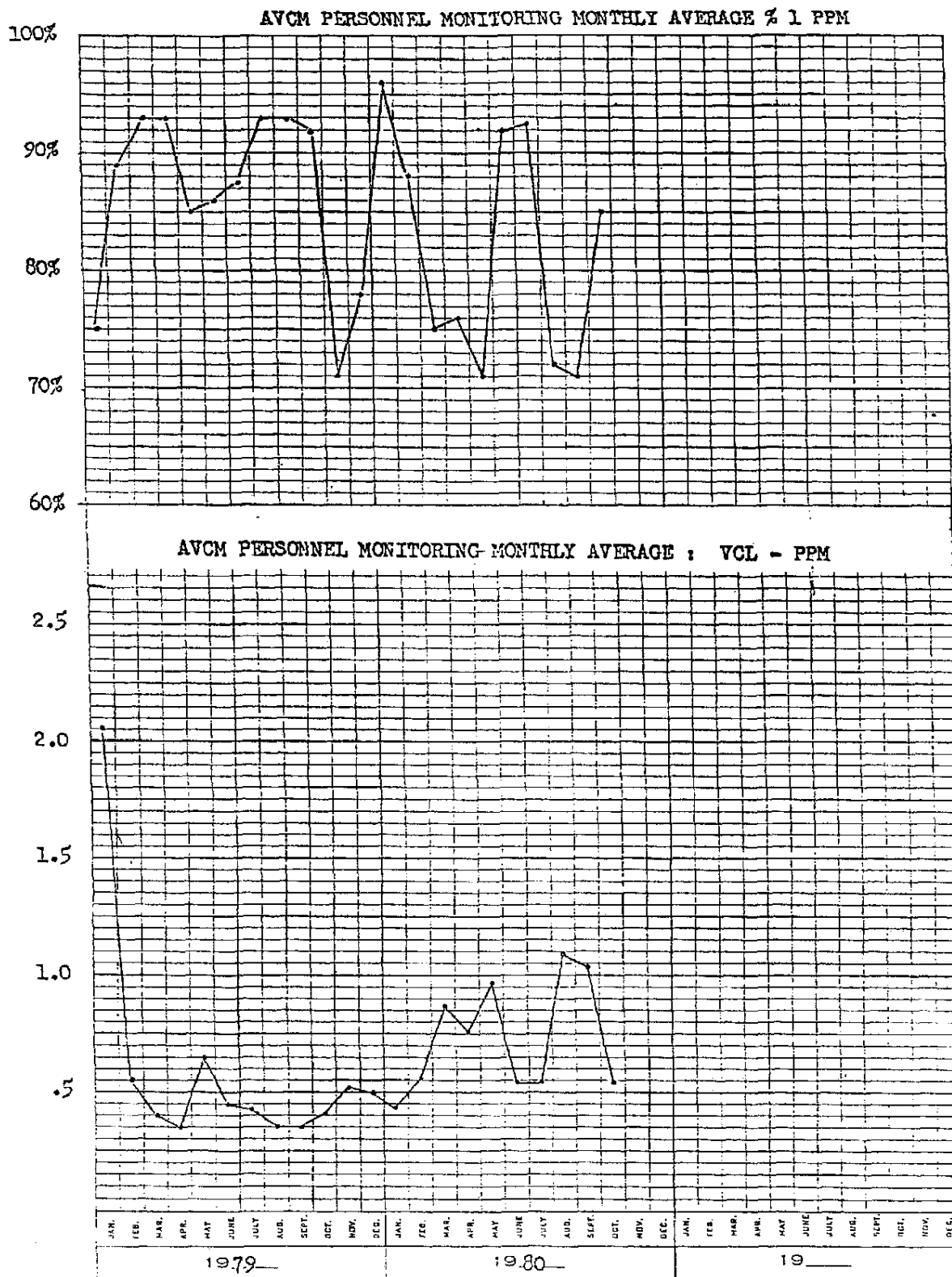
Geon East
Active OSHA Projects

<u>Project</u>	<u>Status</u>
Strainer basket redesign	ER submitted
Evacuation ductwork revision	ER submitted (9-29-80)
Pit exhaust blower	ER #2674
Recovered VCL filters	New filters being installed - revised recovery techniques (10-15-80) 50% complete.
Fetterolf Valves	Leaks being corrected by new seating materials - 30% complete
Tall Stack Review	ER to be re-written to evaluate the Tall Stack evacuation problems.

NGC 18076

ENGINE DIVISION
MADE IN U. S. A.

FIG. 311-1-10 VCL - PPM
3 YEARS BY MONTHS



R.D. Holmes

OSHA - Coordinator

B.R. Welch

Environmental Health Technician

October, 1980

VCL - Regulated Areas - Average

451	.98 PPM
461	2.41 PPM
463	0.15 PPM
464	0.54 PPM
TOTAL	1.07 PPM

Plant VCL average yr-to-date .81 PPM

SN90 - 73 test were completed covering 15 depts

Low .19% or 50 dba
High 333.63% or 98 dba (Bldg. 435-Maint.
Average 23.41 or 63 dba

Yr-to-date we have completed 645 test
Yr-to-date average 38.50% or 67 dba

C-0065 PVC Respiratory Dust

6 test have been completed
Low .00 high 1.58 average 1.04 mg/m³
Yr-to-date 16 test average 1.39 mg/m³

C-0090 Total Respiratory Dust

2 test average 1.60 mg/m³
yr-to-date - 9 test average 1.11 mg/m³

C-PB (Lead)

Yr-to-date we have completed 10 test in Bldg. 438 - Compound West
Low 1.30 High 288.00 Average 42.18 mg/m³

THF (Tetrahydrofuran)

Yr-to-date we have completed 6 test for an average 1.51 PPM

R-R (Radiation)

All microwave ovens were in good condition for the month of October.

NGC 18078

BRW/bjc