



MEMORANDUM

DATE: February 5, 1976

SUBJECT: Ambient Air & Personnel Monitoring - VCI Monomer

TO: Mr. W. C. Koch

RECEIVED
W. C. K.

FEB 9 1976
OCCUP. HEALTH
PROD. SAFETY

Attached is subject matter report for
the month of January, 1976.

A handwritten signature in cursive script, appearing to read 'P. B. Cornell'.

P. B. Cornell, Manager
Baton Rouge North Works

KKT:rmcn
Enc.
cc: R. S. Christian
A. J. LaVine

ASI 00022387

I. GENERAL

The purpose of the tests was to determine the TWA's for persons working in the VCM Complex. In addition numbers and locations of excursions for the regulated area were taken by scanning the area monitoring GC charts.

II. CONCLUSIONS

A. Personnel Monitoring

1. Fifteen employees were monitored in January.

<u>Range</u>	<u>No. of Employees</u>	<u>%</u>
0.0 to 0.5 ppm VCI	15	100%
0.51 to 1.0 ppm VCI	0	0
1.0 - over ppm VCI	0	0

2. All employees tested in January were below the .5 ppm action level.
3. See data attached.

B. VCM Area Monitoring

1. The VCM area monitors consist of two Bendix gas chromatographs having ten sample points each throughout the VCI Complex.
2. The chromatograph charts were scanned for excursions of VCI:
 - a. Over 5 ppm extending over a 15 minute period.
 - b. Over 1 ppm extending over an 8 hour period.
 - c. See data attached.

PERSONNEL MONITORING

Date	Name	Soc. Sec. No.	Hrs.	Total Volume	Remarks	TWA	
						VCI	EDC
1/27	W. S. McDaniel	433-68-2378	6	18274	Lab	0.08	0.05
1/27	R. Hawkins	433-48-3546	6	22037	Reboiler	0.03	0.13
1/27	E. J. Armond	436-38-4356	6	17527	VCM Maint.	0.02	0.37
1/28	J. Alford	428-80-6634	6	1625	VCM Elec.	0.01	0.11
1/28	A. Vavasseur	437-48-7140	6	16242	VCM Maint.	0.06	0.32
1/28	T. LeBeau	438-24-1651	6	16112	VCM	0.05	0.26
1/28	S. Heath	227-50-5709	6	18702	VCM Control	0.06	0.13
1/29	R. Ryan	434-32-7022	6	14151	VCM M&I	0.03	0.20
1/29	P. Brown	434-56-3801	6	12396	VCM M&I	0.03	0.22
1/29	H. J. Truxillo	433-34-6805	6	13775	VCM Elect.	0.03	0.78
1/29	T. Morgan	437-72-7341	6	2743	Lab	0.01	0.01
1/29	M. McDowell	437-40-3216	6	14578	VCM M&I	0.01	0.19
1/30	E. Loftin	438-54-6889	6	16351	VCM Control	0.08	0.28
1/30	D. Bennett	433-34-9786	6	14546	VCM Control	0.11	0.15
1/30	B. O'Quinn	437-60-5211	6	18440	VCM Control	0.13	0.23

A.	Monitor	No. of Excursions over 5 ppm over 15 min.	No. of Continuous Excursions over 1 ppm over 8 hours
1.	Chlorine compressor bldg.	0	0
2.	Cell repair area	0	0
3.	VCM Lab	0	0
4.	Chlorine loading station	0	0
5.	No. 5 vinyl loading station	1	0
6.	No. 4 vinyl loading station	0	0
7.	No. 3 vinyl loading station	0	0
8.	No. 2 vinyl loading station	0	0
9.	No. 1 vinyl loading station	0	0
10.	EDC sump	0	0

B.	Monitor		
1.	Vinyl scrubbers	0	0
2.	Vinyl loading pumps	25	0
3.	Vinyl bullets	1	0
4.	HCl neutralization pond	1	0
5.	VCM control room	0	0
6.	VCM GC sample system	4	0
7.	Vinyl column reboilers	0	0
8.	Lights column reboilers	0	0
9.	Furnaces	1	0
10.	Vinyl reflux pumps	83	1