

INDUSTRIAL CHEMICALS DIVISION

MEMORANDUM

VC-BRN

September 5, 1975

SEP 8 1975

F

To: Mr. W. S. Ferguson
Env. Svcs. - Corp.
SOL-1

Subject: VCM Monitoring - July 19, 1975

The July report from Baton Rouge shows that of 61 employees monitored, 59 had an exposure level less than 0.5 ppm. One had an exposure level of .67 ppm and one an exposure level of .82 ppm.

The area monitoring equipment is working exceptionally well. 20 locations are being analyzed sequentially by two flame ionization gas chromatographs. 1700 analyses are performed in a 24 hour period creating the most critical task of monitoring, evaluating and utilizing the data which to date has not been done. Computer application to this program is not yet visualized but this is the only practical approach to the optimal use of the information.



W. C. Koch
Manager
Occupational Health &
Product Safety

WCK/sm

cc: Mr. J. M. Quinn

ASI 00004582



LINE Info only

MEMORANDUM

Jan 9 317

DATE: August 11, 1975

SUBJECT: PERSONNEL MONITORING FOR VCI MONOMER - BRNW

TO: Mr. J. M. Quinn
Mr. J. M. DeVoe

Subject report for the month of July is attached.

P. B. Cornell
P. B. Cornell, Manager
Baton Rouge North Works

KKT:ef

Attach.

*Bottled breathing air - Supplied Products
CMA air gases to LaVine*

PERSONNEL MONITORING FOR VCl MONOMER

I. GENERAL

The purpose of these tests was to determine six-hour TWA's for persons working in the VCM Complex, loading area and lab.

II. CONCLUSIONS

- A. Sixty-one employees were monitored during July. The distribution of TWA's is as follows:

<u>Range</u>	<u>No. of Employees</u>	<u>Percent</u>
0.0 - 0.5 ppm VCl	60 ⁵⁹	98.4
0.51 - 1.0 ppm VCl	1 ²	1.6
1.01 - Over ppm VCl	0 ⁰	0
	61 ⁶¹	100.0

- B. All employees tested during July were below 1 ppm exposure to VCl for the six-hour TWA's.

- C. The VCl loaders were all less than 0.5 ppm VCl during July.

- D. All employees of the VCM lab were below 0.5 ppm VCl for July. One employee of the Environmental lab was between 0.51 and 1.0 ppm VCl during July.

- E. ^{One} ~~All~~ maintenance employees ^{were between 0.51 and 1.0 ppm for July} ~~were below 1 ppm VCl for July.~~

III. See attached data.

IV. VCM AREA MONITORS

- A. The VCl monitors consist of two Bendix gas chromatographs, each having 10 sample points throughout the VCM complex. This system will be used to establish area excursions within the plant, loading area and lab.
- B. The attached data for the area monitors are readings taken by operations every hour. The data shows excursions from 5.1 to 50 ppm VCl for each 24-hour period. July 28-31 did not have any excursions over 5.0 ppm. Also, this data cannot be used for 5 ppm per 15 minute excursions, due to the fact one reading was taken per hour.
- C. A daily review of all 24-hour data will begin in mid August. When such data has been collected, a determination of the reduction of the regulated area will be made.

PERSONNEL MONITORING

DATE	NAME	SOC. SEC. NO.	HRS.	TOTAL VOLUME	REMARKS	TWA	
						VCL	EDC
7/1	H. Piper	435-60-0791	6.0	16007	VCM Control	0.29	
	G. Ganey	439-60-9630	6.0	14207	VCM Tech.	0.04	
	D. Hebert	461-58-0910	6.0	15218	VCM Control	0.02	
	S. Heath	227-50-5709	6.0	14546	VCM Supv.	0.16	
7/2	K. Comeaux	439-74-6888	6.0	15696	Carpenter	0.03	
	J. White	433-54-2136	6.0	17348	VCM - Carpenter	0.07	
	W. Marsh	437-38-0715	6.0	18967	Fmn-VCM Maint.	0.04	
	I. O. Harriman	438-46-9312	6.0	12953	VCM Carpenter	0.07	
	A. B. Miller	433-60-2143	6.0	19675	Carpenter	0.01	
7/7	B. R. Oquin	437-60-5211	6.0	17983	VCM Control-F'man	0.04	
	A. Aillet	434-64-9458	6.0	23189	VCM Control	0.04	
	W. Brown	439-60-6230	6.0	14376	VCM Control	0.04	
	D. McLean	461-58-2434	6.0	10029	VCM Control	0.04	
	H. Fisher	435-58-7149	6.0	14669	VCM Control	0.07	
7/8	J. Terrell	438-26-5487	6.0	7703	Maintenance	0.03	
	A. Vavasseur	437-48-7120	6.5	15946	Maintenance	0.02	
	N. Millet	436-52-4344	6.3	14684	Maintenance	0.04	
	R. Comeaux	436-05-5444	6.0	19143	Maintenance	0.01	
	F. W. Gremillion	437-66-5617	6.0	17727	Maintenance	0.01	
7/10	C. Orillion	134-48-3265	6	13840	VCM Control-F'man	0.01	0.15
	R. Shaffer	433-52-9157	6	18357	VCM Control	0.01	1.56
	E. Abrams	439-60-6293	6	15620	VCM Control	0.01	1.79
	D. Nagin	437-62-7271	6	4050	VCM Control	0.01	1.13
7/15	E. Sampson	437-20-5304	6	18068	Maintenance	0.19	0.03
	M. Roe	434-42-7629	6	14068	Maintenance	0.15	0.49
	R. Torres	433-76-6674	6	15297	Maintenance	0.03	0.12
7/16	J. Alford	428-80-6634	7	18607	Maint. Elect.	0.01	0.61
	E. J. Armond	436-38-4356	7	19400	Maint. Elect.	0.01	0.62
	T. Hinton	439-54-4508	6	13405	Panelboard Oper.	0.01	1.25
	A. Mayeaux	435-36-6542	6	15644	Util. Operator	0.01	0.63
	C. J. Remondet	438-64-8744	6	15913	Outside Oper.	0.01	4.21
	G. Robertson	434-54-3250	6	15143	Shift Foreman	0.01	1.51

PERSONNEL MONITORING

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DATE	NAME	SOC. SEC. NO.	HRS.	TOTAL VOLUME	REMARKS	TEA VCL	ED
7/17	T. Arceneaux	438-50-6686	6	15397	Operator	0.02	3.1
	E. Stewart	414-20-1767	6	15626	2-10 VCL Operator	0.10	0.1
	E. K. Cain	434-16-1215	6	16723	2-10 VCL Operator	0.17	0.1
	W. B. LeMay	438-16-3162	6	15261	" "	0.04	0.1
7/18	H. Rougon	434-24-8319	6	17899	VCL Loader	.06	0.1
	W. Wright	435-18-0149	6	18744	VCL Loader	.03	.1
	M. L. Shaffer	438-24-3220	6	18116	Loader	.11	.0
	O. R. Leteff	437-20-5432	6	18929	VCL Loader	.01	.0
7/21	T. Morgan	437-72-7341	6	11741	VCM Lab	.02	3.1
	D. Greene	428-92-9377	6	18195	VCM Lab	.04	.2
	J. Hardy	438-50-7875	6	15687	VCM Lab	.03	.25
	K. Yurik	236-68-3088	6	16848	VCM Lab	.10	.1
	J. Coleman	435-62-5874	6	14441	VCM Lab	.01	.25
7/22	W. Schmitt	436-14-6921	6	10252	Bricklayers Furn.	.01	.0
	J. H. Chenevert	435-58-9524	6	17219	" "	.01	.0
	W. Bogan	436-30-3834	6	15326	Porter	.04	.4
	L. Neucere	437-84-2798	6	16534	Industrial Engineer	.02	.37
7/23	W. LeBlanc	439-568-463	6	15816	VCM Lab	.01	.0
	W. Holden	426-22-2747	6	19036	VCM Lab	.01	.0
	G. Jenkins	433-60-4416	6	15454	Supv. VCM Lab	.01	.0
7/29	F. Rowland	228-66-5676	6	17766	VCM Tech.	.02	Trac
	F. Fabre	436-78-1063	6	25599	VCM Tech.	.01	Trac
	J. Bryce	455-96-1309	6	12271	VCM Tech.	.03	Trac
	W. Newman	438-66-8615	6	16710	VCM Lab	.05	Trac
	R. Atwood	425-94-2327	6	19070	VCM Tech.	.01	Trac
	J. McLin	437-66-6438	6	18603	Operator	.01	.0
7/30	R. Ryan	434-32-7022	6	13363	M&I	.02	No
	M. McIntyre	437-68-0492	6	18243	Environ. Control	.01	.0
	L. Pence	438-10-5179	6	16994	E.C.	.02	.03

ASI 00004587