

INTER-OFFICE MEMO

TENNECO CHEMICALS, INC.

File

To J.F. Kilcullen

AT Piscataway

DATE September 27, 1974

FROM W.C. Champion

AT Burlington

COPY TO G.I. Rozand
P.R. Scarito - Burl. Data
J.T. Sweeney - Flem. Data
File

SUBJECT VCM Personnel Monitoring

Attached are the VCM personnel monitoring exposure values for Flemington and Burlington by job classification, through the weeks of 9/2/74 (Burlington) and 9/16/74 (Flemington).

Also included are the monthly exposure data for the Burlington office staff for September.


W.C. Champion

WCC/jst

Attachments.

COLORITE 012876

BURLINGTON RESIN PLANT PERSONNEL MONITORING SUMMARY

Personnel Exposure, ppm VCM

JOB CLASSIFICATION

Suspension:

Area Foreman

Week Of 8/19

15.3, 5.6, 6.6

Week Of 8/26

5.2, 2.7, 1.0

Week Of 9/2

10.2, 3.2, 3.0

Homopolymer Reactor Operator

2.0, 11.1, 4.3, 0.9, 2.9

41.2, 2.4, 6.1, 2.6, 7.5, 4,

7.5, 2.4, 5.6, 5.9, 11, 10, 7.2

Copolymer Reactor Operator

1.6, 1.5, 13.5, 3.7, 1.5, 2.2, 2.3, 1.1

13.0, 3.5, 2.0, 12.3, 8,

4.2, 4.0, 2.8, 2.7, 3.6, 1.6

Dryer Operator

1.8, 3.1, 0.3, 2.1

8.6, 1.3, N.D., 5,

N.D. (<0.1), 0.3,

Bagger/Cleaner

0.3, 1.3, N.D., 0.6, <0.1, 2.8

2.2, 5.5, 0.2, 2.3, 12.1, 4.5, 4,

3.6, 1.7, 5.3, 3.1, 0.6, 4.2

Plastisol:

Area Foreman

15.2, 50.0, 20.7, 16.9

25.2, 26.3, 23.2, 23.5

21, 7.6, 8.4,

Shift Foreman

2.0, 0.3, 1.6

N.D., 1.2, 4.9

N.D. (<0.1), 5.2, 2.4,

Tower Operator

21.8, 24.9, 11.3, 3.0, <0.1, 53.6
43.7, 16.0, 21.1, 17.4, 21.6, 12.6
8.3,

17.7, 21.9, 43.7, 36.1, 14.5, 22.0
33.9, 2.0, 18, 13, 1.0, 2.9, 3.4,

5.2, 14, 30, 20, 4, 13, 17, 4, 12, 21,
3.4, 4.7, 2.2,

COLORITE 012877

Personnel Exposure, ppm VCM

JOB CLASSIFICATION

Plastisol (cont'd):

	Week Of 8/19	Week Of 8/26	Week Of 9/2
	2.0, 0.8, 0.3, 0.9, 0.5, 0.5, 0.7, N.D. 0.3, 0.1, 0.2, 0.5, 0.3, 0.3, 0.2, N.D. 1.5, 4.7, 2.9, 0.7, 0.8, 3.5, 1.7, 1.0 0.3, 0.1, 0.3, 0.5, N.D., <0.1	0.4, 0.1, 0.4, N.D., N.D., 5.7, 38.3, 9.4, N.D., N.D., N.D., 0.3, N.D., 1.2, 0.2, 0.5, 0.3, 14.4, 4.5, 1.4, 7.7, 2.8, 6.5, 3.3,	5.1, 0.9, 7.5, 1.4, 12.5, 1.9, 0.7, 2.6, N.D.(<0.1), N.D.(<0.1), N.D.(<0.1), N.D.(<0.1), 2.1, 1.0, 1.2, 2.2, 3.3, 1.5, 1.2, 1.5, 1.5, 1.5, 1.5, 5.2, 2.2, 1.1 4.7,
Labor Pool			
	1.5, 0.2, 1.5, 31.5, <0.1, 0.6, 0.3, 0.7, 1.3, 0.7, 0.5, 0.9	0.4, 0.5, 0.2, 0.3, 0.3, 0.3, 0.3, 0.3, 1.8, 1.0,	N.D.(<0.1), 1.6, 1.1, 7, 0.1, N.D.(<0.1), 1.8, 0.7, 2.7, 1.3, 0.5, 0.9,
Bagger			
Atomizer Dryer Operator	2.3, N.D., 1.1,	N.D., 3.3, 0.2,	3.8, 6.9, N.D.(<0.1), 4.0, 1.8,
Additive Dryer Operator	0.2	0.6 0.8	1.1, 1.5, 1.1,
Laboratory:			
QC Lab Supervisor			
Analytical Chemist	0.8	0.6	N.D.(<0.1),
Colorist			
QC Technician/Days	1.0		
QC Technician/Shift	1.7, 0.9, N.D., N.D., 1.9, <0.1, 0.1	0.5, 0.2, N.D., 8.6, 0.5, 0.5, 1.6	N.D.(<0.1), 1.5, 0.7, 1.1, 2.3,

COLORITE 012878

Personnel Exposure, ppm VCM

JOB CLASSIFICATION

Laboratory (cont'd):

Monitoring Analyst

Maintenance:

Maintenance SupervisorMaintenance ForemanMechanic/ShiftMechanic/Days

Warehouse & Miscellaneous:

Warehouse SupervisorWarehouse Shipping ClerkWarehouse Receiving ClerkWarehousemanEffluent Plant Operator

	Week Of 8/19	Week Of 8/26	Week Of 9/2
	1.9		
	0.5, N.D., <0.1, 0.7	0.3, N.D., 0.4	N.D. (<0.1), 2.9, 0.9
	1.4, 0.5, 0.2, 0.6, 1.0, N.D., N.D., N.D., 0.3, 0.7, 0.1, 0.2	N.D., 0.4, N.D., N.D., N.D., N.D., 0.2, N.D., N.D., N.D., 0.2, N.D., 3.0, 0.4, 0.7, 19.9	1.0, 0.4, 18.5, 2.2, 3.8, 2.2, 1.2, N.D. (<0.1), 4.3, 3.8, 2.6, 2.4, 2.1, 2.8, 2.0, 0.4, 5.7,
	0.8, 1.5, 1.2, 1.7, 2.3, 0.9, <0.1 0.1, N.D.	0.6, 0.5, 0.6, 1.0, 0.6, 0.5	
	1.1, 2.3, 0.6	0.9, 0.6, 0.8	
	0.9, N.D., 0.7	N.D., 0.1, 1.5	0.3, 2.1, 0.8

COLORITE 012879

JCB CLASSIFICATIONPersonnel Exposure, ppm VCM

Warehouse & Miscellaneous (cont'd):

	Week Of 8/19	Week Of 8/26	Week Of 9/2
<u>Boiler Operator</u>	0.8, N.D., N.D.,	N.D., N.D., 0.8	0.8, N.D. (<0.1), 0.8
<u>Lead Operator</u>			
<u>Utility Man</u>	1.1, 1.0, N.D., N.D., N.D., 4.5, <0.1	2.4, 0.7, 0.8, N.D., N.D., 0.1, 0.5	3, 0.7, 1.2, 2.9, 0.3
<u>Yard Man & Service Man</u>	1.2	0.6	

Personnel Exposure, ppm VCM

Month Of SEPTEMBER
0.5, 0.2, 0.3, 0.5, 0.6, 0.3, 0.4, 0.4, 0.2, N.D. (<0.1), 0.3, 0.2, 0.5, 0.3, 0.9, 2.7, N.D. (<0.1), N.D. (<0.1),

Office Staff:

COLORITE 012880

F.W. Kanzler
9/11/74

PERSONAL MONITORING

Excursions Above 25 ppm

Name	Date	Job Classification	VCM, ppm	Job Area
MARSCHLEIN	9-3-74	AREA FOREMAN - PLAST.	84	P.B. 3RD FL. "B" PLANT
KEMBLE	9-3-74	TOWER OPERATOR	35	" " "
BOREL	9-3-74	" "	51	" " "
PACASCHAK	9-5-74	" "	30	" " "
HOFFMAN	9-5-74	" "	55	" " "
KOVELOSKI	9-5-74	LABOR POOL	51	" " "
SHINN	9-5-74	UTILITY OPERATOR	29	PVC PANEL BOARD
NEELY	9-6-74	LABOR POOL	33	P.B. 3RD FL. "B" PLANT
STELLWAL	9-6-74	ATOMIZER OPERATOR	40	MAINTENANCE SHOP

COLORITE 012881

F.W. Kanzler
9/11/74

FLEMINGTON RESIN PLANT PERSONNEL MONITORING SUMMARY

Personnel Exposure, ppm VCM

JOB CLASSIFICATION

	Week Of <u>9/1 - 9/7/74</u>	Week Of <u>9/8 - 9/14/74</u>	Week Of <u>9/15 - 9/21/74</u>
<u>Shift Foreman</u>	—	1.4, 2.0, 1.3, 0.2	1.8, 3.9 , 2.6, 4.8
<u>Polymerization Foreman</u>	4.3, 19, 12, 1.9	3.2, 0.3, 1.3	4.0, ND, 3.2, 1.6
<u>Reactor Operator</u>	2.2, ND, 1.5, 3.2, ND, ND, 2.1 7.4, 2.0	0.9, 2.9, 2.8, 5.1, 0.9, 2.1, 2.3, 0.2, 0.6, 1.7, 2.1	1.4, 4.7, 4.3, 3.8, 2.1, 1.7, .2, 2.6, 2.1, .3
<u>Utility Operator</u>	0.3, 1.9, 0.4, ND, 5.2, 6.3 3.1, ND	2.0, 2.3, 0.3, 2.2, 4.1, 5.7, ND.	20.0, 8.1, 1.8, 16.0,
<u>Dryer Operator</u>	ND, 0.6	1.3, ND, 5.4, 2.8	ND, 7.5
<u>Warehouse Foreman</u>	0.1,	0.6, 1.1	0.3, 1.2
<u>Warehouseman</u>	ND, 0.2, 0.2, 0.2	1.0, 1.1, ND,	.5, .4, .4, .7
<u>Bagger</u>	3.9, 0.3, 0.2	83.0, 1.3, 46.0,	.5,
<u>Maintenance Foreman</u>	ND, 0.2	3.9, 3.9	1.9, .3

COLORITE 012882

JOB CLASSIFICATION

Personnel Exposure, ppm VCM

	Week Of 9/1-9/7/74	Week Of 9-8/9-14/74	Week Of 9/15-9/21/74
Maintenance Clerk	ND	5.4	.2
Mechanic	0.9, 2.3, 0.1, 0.3, 7.7, ND, 65, 1.6	7.2, ND, 4.7, 5.2, 2.6, 6.0, 2.2, 4.6	.4, 3.8, .2, 1.7, ND, 4.0, ND, ND, ND, 1.6
QC Lab Supervisor	—	4.4	3.5
QC Technician/Days	0.5	4.4	ND
QC Technician/Shift	0.4, 0.2, ND, 0.6, ND	ND, 0.4, 2.9, 0.7	.5, 3.9, .8, .7
Monitoring Analyst	5.2	ND, 1.4	30.0, 1.3
Boiler Lead Operator	0.6	ND	—
Boiler Operator	ND, 0.4, 1.4, ND	6.4, 0.3, ND, 0.7	.6, 4.9, 14.8, 1.8
Pilot Plant Group Leader	—	—	—
Pilot Plant Engineer	0.8, 1.2	—	0.1

COLORITE 012883

JOB CLASSIFICATION

Personnel Exposure, ppm VCM

	Week Of 9/1 - 9/7/74	Week Of 9-8/9-14-74	Week Of 9/15 - 9/21/74
Pilot Plant Technician	1.7, 1.3, 1.5, ND, 1.3, 0.5, 0.8	Nd, Nd, 0.9, Nd, Nd, Nd, Nd,	Nd, 0.4, 1.0, Nd, Nd
Pilot Plant Maintenance	0.2, 2.9	0.2, Nd,	Nd, Nd,

COLORITE 012884

R.A. Lojewski
9/11/74

VCM PERSONAL MONITORING
FLEMINGTON PLANT

EXPOSURES 25ppm AND OVER

WEEK OF 9/15 - 9/21/74

NAME	JOB CLASSIFICATION	DATE	JOB AREA	EXPOSURE ppm, VCM	VENTILATION AIR
CADER, T	JR. Chemist	9/18	RX Bldg. Center Aisle: Panel Board: #2 Pond Jump Pump discharge Area	30.0	

COLORITE 012885

DATE 9-27-74

To JOHN HOGAN -

DON GUARINO ASKED THAT I
SEND YOU THE ATTACHED.
OUR FINDINGS SHOW THAT
THE REMAINDER OF THE
282513 IN OUR WAREHOUSE
EXCEEDS 90% RETENTION
OF ELONGATION AFTER AGING.

WE'VE NOT RECEIVED SAMPLES
OF THE COMPLAINT MATERIAL
FROM YOU, AND WOULD STILL
LIKE TO SO THAT WE CAN
RESOLVE THE PROBLEM.

Bill Champion

FROM

W. C. CHAMPION

MS. - SAMPLES OF THE MTL. IN OUR
WAREHOUSE SENT TO YOU SEPARATELY.

COLORITE 012886