

INTER-OFFICE MEMO **TENNECO CHEMICALS, INC.**

TO	J. T. Sweeney	AT	Flemington	DATE	January 30, 1979
FROM	W. D. Bord	AT	Flemington	COPY TO	C. N. Brown*
SUBJECT	VCM Control for the Period: 1/20/79 to 1/26/79				W. R. Fogelsanger
					D. M. Hershkowitz
					F. W. Kanzler
					F. S. Klopp
					R. A. Lojewski
					S. P. Robbins*
					M. K. Rosen
					C. F. Rothenbeck
					G. I. Rozand
					P. D. Ruane
					P. R. Scarito
					M. E. Wagshul

*Table II Only

<u>Area</u>	<u>VCM Average Level</u>	<u>% > 1 ppm</u>	<u>Number > 100 ppm</u>
Reactor Building	0.8	31.2	0
Recovery Comp. Room	8.9	92.3	12
General Area	<0.1	0.2	0
Pilot Plant	0.2	0.9	1
Parshall Flume	0.1	0.6	0

The Reactor Building average has been reduced to a .8 average by a continuing leak detection program.

Mechanical problems such as cleaning a compressor separator and replacing a separator heat exchanger caused the high reading in the Recovery Compressor Room.

Bendix TWA Analysis: The computer TWA values for the Poly Foremen, Reactor Operators, Utility Operators and Shift Mechanics were above 1.0 ppm. These classifications were protected by the use of breathing air.

W. D. Bord

WDB:ms

011939

INTER-OFFICE MEMO **TENNECO CHEMICALS, INC.**

TO W. D. Bord
FROM P. D. Ruane
SUBJECT VCM Control Report for the
Period: 1/20/79 to 1/26/79

AT Flemington
AT Flemington

DATE January 30, 1979

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*Table II Only

Attached is a summary of the Flemington Plant VCM levels
as determined by the Computerized Area Monitoring System for the
week of January 20, 1979 to January 26, 1979.

Paul D. Ruane
P. D. Ruane

PDR:ms

011940

TABLE I
AREA MONITORING SYSTEM - FLEMINGTON
WEEKLY SUMMARY

Period: 1/20/79 to 1/26/79

Area	Average PPM, VCM	Total Samples	Number of Readings & Percentages							
			≥ 1		≥ 5		≥ 25		≥ 100	
			N	%	N	%	N	%	N	%
Reactor Building	0.8	8,640	2697	31.2	132	1.5	3	0.03	0	0
Recovery Comp. Room	8.9	1,320	1219	92.3	382	28.9	91	6.9	12	0.9
General Area	<0.1	6,630	13	0.2	4	0.1	0	0	0	0
Pilot Plant	0.2	5,300	49	0.9	6	0.1	3	0.1	1	0.02
Parshall Flume	0.1	622	4	0.6	1	0.2	0	0.2	0	0

Paul D. Ruane
P. D. Ruane

PDR:ms

011941

FLEMINGTON TIME-WEIGHTED EXPOSURE AVERAGES
CALCULATED FROM BENDIX MONITORING DATA

01/20/79 TO 01/26/79

JOB CLASSIFICATION

TWA

TABLE II

RESIN PLANT

POLYFORMAN W AIR	.5
POLYFORMAN WO AIR	1.3
SHIFT FORMAN W AIR	.3
SHIFT FORMAN WO AIR	.8
REACTOR OPER-CHRG W AIR	.7
REACTOR OPER-CHRG WO AIR	.7
REACTOR OPER-DUMPG W AIR	.5
REACTOR OPER-DUMPG WO AIR	1.1
REACTOR OPER-RELIEF W AIR	.5
REACTOR OPER-RELIEF WO AIR	1.1
UTILITY OPER W AIR	.3
UTILITY OPER WO AIR	1.7
DRYER OPER	.0
WAREHOUSE SUPERVISOR	.1
WAREHOUSEMAN-BAGGER	.1
RELIEF OPER	.0

GENERAL AREA

MAINTENANCE FORMAN	.1
MECHANIC SHIFT	1.5
MECHANIC DAY	.7
BOILER OPER	.1
MAINTENANCE CLERK	.1
EFFLUENT MAN W AIR	.2
EFFLUENT MAN WO AIR	.2
QC TECHNICIAN	.1

PILOT PLANT

GROUP LEADER	.3
ENGINEER	.3
TECHNOLOGIST	.2
TECHNICIAN W AIR	.1
TECHNICIAN WO AIR	.2
MAINT TECHNICIAN	.2

Paul D. Ruane
1/30/79

011942

7/0

GRAPH #1

FLEMINGTON BEN-IX MONITORING SYSTEMPERCENT GREATER THAN 1ppm AND 5ppm VCMREACTOR BUILDING

55.

50.

45.

40.

35.

30.

25.

20.

15.

10.

5.

0

12/30 1/13 1/27 2/10 2/24 3/10 3/24
1/6 1/20 2/3 2/17 3/3 3/17

REPORT PERIOD, BEGINNING

1979

O = PERCENT ABOVE 1ppm

Δ = PERCENT ABOVE 5ppm

011943

GRAPH
WEEKLY PLANT EXPOSURE AVERAGES
FLEMINGTON

REACTOR BUILDING

PM
 1M
 X

5

4

3

2

1

0

MAX
 (ACTION LEVEL)

5

4

3

2

1

0

1

PILOT PLANT

MAX
 (ACTION LEVEL)