

Tenneco Chemicals

A Tenneco Company



P.O. Box 849
Pasadena, Texas 77501
(713) 479-3411

September 5, 1980
(JWK-99-80)

Mr. Bill Stewart
Executive Director
Texas Air Control Board
6330 Hwy 290 East
Austin, Texas 78723

Dear Mr. Stewart:

In accordance with Section 61.70 of Subpart F - National Emission Standard for Vinyl Chloride, the following semi-annual report on the operation of Tenneco Chemicals' polyvinyl chloride plant in Pasadena, Texas is submitted.

Table 1 provides information on incinerator emissions in excess of 10 ppm VCM (averaged over a one hour period) as required in paragraph 61.70(c)(1).

Table 2 provides information on the slurry stripping operations as required in paragraph 61.70(c)(2).

Table 3 provides information on the emissions for each reactor opening as required in paragraph 61.70(c)(3).

The time period covered in this report is March 1, 1980 through August 31, 1980,

If you have any questions or if further information is required, please contact me at 713/479-3411, Extension 427.

Sincerely,


James W. Kachtick P.E.
Manager, Environmental Sciences

JWK/cjm
Attachments

cc: Mr. J. E. Langford
Mr. L. L. Bird
Mr. S. E. Richter
Mr. H. E. Fife
Mr. T. T. Moore
Mr. C. A. Hendricks
Dr. R. T. Gottesman
Mr. J. P. Sandstedt

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TABLE 1

INCINERATOR EMISSIONS OVER 10 PPM (1 Hr. Avg.)

— PER 41-CFR-61.70 (c) (1)

<u>DATE</u>	<u>TIME</u>
3-2-80	1800 Hrs. to 1900 Hrs.
3-3-80	1400 Hrs. to 1600 Hrs.
3-4-80	0500 Hrs. to 0700 Hrs.
5-1-80	0900 Hrs. to 1100 Hrs.
8-31-80	2300 Hrs. to 0100 Hrs.

TABLE 2

RESIDUAL VCM WEIGHTED AVERAGES

PER 41-CFR-61.70 (c) (2)

<u>DATE</u>	<u>RESIDUAL VCM, PPM</u>	<u>DATE</u>	<u>RESIDUAL VCM, PPM</u>
3-1-80	42	4-16-80	49
3-2-80	66	4-17-80	17
3-3-80	31	4-18-80	30
3-4-80	52	4-19-80	16
3-5-80	347	4-20-80	8
3-6-80	32	4-21-80	15
3-7-80	70	4-22-80	9
3-8-80	168	4-23-80	16
3-9-80	144	4-24-80	23
3-10-80	146	4-25-80	10
3-11-80	53	4-26-80	9
3-12-80	34	4-27-80	15
3-13-80	58	4-28-80	159
3-14-80	169	4-29-80	39
3-15-80	160	4-30-80	27
3-16-80	56	5-1-80	167
3-17-80	123	5-2-80	80
3-18-80	67	5-3-80	82
3-19-80	51	5-4-80	84
3-20-80	111	5-5-80	69
3-21-80	116	5-6-80	21
3-22-80	88	5-7-80	21
3-23-80	63	5-8-80	57
3-24-80	18	5-9-80	108
3-25-80	76	5-10-80	49
3-26-80	117	5-11-80	10
3-27-80	106	5-12-80	38
3-28-80	58	5-13-80	30
3-29-80	19	5-14-80	138
3-30-80	34	5-15-80	28
3-31-80	22	5-16-80	23
4-1-80	9	5-17-80	28
4-2-80	20	5-18-80	199
4-3-80	39	5-19-80	18
4-4-80	98	5-20-80	16
4-5-80	30	5-21-80	21
4-6-80	116	5-22-80	21
4-7-80	38	5-23-80	12
4-8-80	62	5-24-80	15
4-9-80	30	5-25-80	133
4-10-80	33	5-26-80	18
4-11-80	26	5-27-80	78
4-12-80	13	5-28-80	136
4-13-80	36	5-29-80	255
4-14-80	70	5-30-80	83
4-15-80	53	5-31-80	104

TABLE 2

RESIDUAL VCM WEIGHTED AVERAGES

PER 41-CFR-61.70 (c) (2)

<u>DATE</u>	<u>RESIDUAL VCM, PPM</u>	<u>DATE</u>	<u>RESIDUAL VCM, PPM</u>
6-1-80	84	7-17-80	72
6-2-80	74	7-18-80	43
6-3-80	80	7-19-80	32
6-4-80	23	7-20-80	46
6-5-80	29	7-21-80	58
6-6-80	47	7-22-80	64
6-7-80	53	7-23-80	139
6-8-80	35	7-24-80	37
6-9-80	82	7-25-80	85
6-10-80	46	7-26-80	37
6-11-80	48	7-27-80	57
6-12-80	74	7-28-80	42
6-13-80	39	7-29-80	21
6-14-80	56	7-30-80	41
6-15-80	39	7-31-80	26
6-16-80	48	8-1-80	43
6-17-80	82	8-2-80	22
6-18-80	105	8-3-80	17
6-19-80	63	8-4-80	119
6-20-80	33	8-5-80	695
6-21-80	32	8-6-80	491
6-22-80	26	8-7-80	68
6-23-80	147	8-8-80	44
6-24-80	9	8-9-80	35
6-25-80	9	8-10-80	56
6-26-80	32	8-11-80	59
6-27-80	42	8-12-80	57
6-28-80	78	8-13-80	47
6-29-80	98	8-14-80	73
6-30-80	104	8-15-80	33
7-1-80	31	8-16-80	34
7-2-80	72	8-17-80	39
7-3-80	40	8-18-80	36
7-4-80	34	8-19-80	45
7-5-80	40	8-20-80	27
7-6-80	72	8-21-80	50
7-7-80	61	8-22-80	78
7-8-80	127	8-23-80	52
7-9-80	110	8-24-80	129
7-10-80	86	8-25-80	69
7-11-80	50	8-26-80	43
7-12-80	78	8-27-80	26
7-13-80	18	8-28-80	54
7-14-80	23	8-29-80	53
7-15-80	31	8-30-80	89
7-16-80	69	8-31-80	33

TABLE 3

REACTOR OPENING EMISSIONS

PER 41-CFR-61.70 (c) (3)

LIMIT: $2.000 \times 10^{-5} \frac{\text{Kg VCM Emissions}}{\text{Kg PVC Produced}}$

DATE	C, $\frac{\text{Kg VCM Emission}}{\text{Kg PVC Produced 61.67 (g) (5) (1)}}$
3-3-80	2.727×10^{-5}
3-3-80	0.357 "
3-5-80	0.215 "
3-11-80	3.449 "
3-11-80	0.040 "
3-17-80	0.120 "
3-18-80	0.315 "
3-19-80	0.321 "
3-21-80	3.165 "
3-24-80	1.200 "
3-25-80	1.150 "
3-25-80	1.167 "
3-31-80	2.062 "
4-1-80	1.120 "
4-7-80	0.339 "
4-8-80	0.194 "
4-14-80	0.178 "
4-15-80	0.070 "
4-16-80	0.045 "
4-21-80	0.488 "
4-21-80	1.158 "
4-30-80	0.352 "
4-30-80	1.829 "
5-5-80	0.534 "
5-8-80	0.172 "
5-10-80	0.369 "
5-13-80	1.726 "
5-14-80	0.225 "
5-18-80	7.586 "
5-22-80	1.125 "
5-28-80	0.440 "
5-28-80	1.551 "
6-3-80	1.882 "
6-5-80	0.222 "
6-7-80	1.866 "
6-9-80	0.658 "
6-15-80	0.046 "
6-16-80	1.691 "
6-17-80	2.540 "
6-18-80	0.081 "
6-21-80	2.796 "

TABLE 3

REACTOR OPENING EMISSIONS

PER 41-CFR-61.70 (c) (3)

LIMIT: 2.000×10^{-5} $\frac{\text{Kg VCM Emissions}}{\text{Kg PVC Produced}}$

DATE	C, $\frac{\text{Kg VCM Emission}}{\text{Kg PVC Produced 61.67 (g) (5) (1)}}$
6-21-80	1.288×10^{-5}
6-22-80	1.292 "
6-25-80	0.471 "
7-1-80	0.646 "
7-5-80	25.893 "
7-5-80	43.683 "
7-6-80	97.074 "
7-8-80	0.982 "
7-9-80	0.397 "
7-13-80	22.802 "
7-15-80	17.243 "
7-17-80	0.074 "
7-18-80	0.043 "
7-18-80	0.599 "
7-19-80	69.754 "
7-22-80	4.229 "
7-23-80	0.970 "
7-23-80	0.207 "
7-28-80	0.285 "
7-29-80	1.028 "
7-30-80	1.477 "
7-31-80	1.402 "
8-4-80	0.696 "
8-5-80	6.442 "
8-6-80	0.582 "
8-8-80	1.103 "
8-12-80	1.225 "
8-18-80	0.702 "
8-20-80	0.322 "
8-21-80	3.446 "
8-24-80	1.140 "
8-27-80	1.767 "
8-28-80	0.323 "
8-31-80	2.608 "