

SEMIANNUAL REPORTMARCH 1, 1980 THROUGH AUGUST 31, 1980CONOCO CHEMICALS COMPANY PVC PLANTABERDEEN, MISSISSIPPI61.70 (c) (1)

No emissions from the control device (incinerator) exceeded 10 ppm vinyl chloride averaged over any hour period (commencing on the hour) during this reporting period. Emission requirements of § 61.64 (a) (2), (b), (c), (d) and § 61.65 (b) (1) (ii), (b) (5), (b) (6) (ii), (b) (9) (ii) are met by collecting, containing, and incinerating vents from these areas prior to their release to the atmosphere. The exhaust gas from the incinerator is measured continuously with a Honeywell multi point gas chromatograph. The exhaust gas from the incinerator is also sampled periodically (grab sample) and analyzed for vinyl chloride using Test Method 106. Results from these samples are given in Table I.

61.70 (c) (2) (i)

The emission level prescribed in 61.64 (e) is attained by a stripping operation. The plant produces only one type of resin, that by the suspension process. The vinyl chloride content found in all samples required in § 61.70 (c) (2) (i), averaged over each calendar day and weighted according to the quantity of each grade of resin processed by the strippers that calendar day is given in Table II.

61.70 (c) (3)

Compliance with § 61.64 (a) (2) is attained by using standard operating procedures to strip the resin to less than 400 ppm vinyl chloride and to purge vinyl chloride from the reactor vapor space to meet the reactor opening loss requirement as described in Section VI of the Compliance Manual submitted to your office August 14, 1978.

A

TABLE IINCINERATOR STACK SAMPLESSEMIANNUAL REPORTMARCH 1, 1980 THROUGH AUGUST 31, 1980CONOCO CHEMICALS COMPANY PVC PLANTABERDEEN, MISSISSIPPI

<u>DATE OF SAMPLE</u>	<u>TEST METHOD 106 PPM VCM BY VOLUME</u>
3/4/80	0.3
4/7/80	1.9
4/15/80	2.0
4/22/80	2.4
5/16/80	0.3
5/23/80	1.0
5/30/80	< 0.1
6/6/80	0.7
6/27/80	0.4
7/3/80	0.7
7/11/80	0.8
7/25/80	1.1
8/1/80	< 0.1
8/8/80	< 0.1
8/15/80	< 0.1
8/20/80	< 0.1
8/28/80	< 0.1

TABLE II

STRIPPED SLURRY RESIDUALSSEMIANNUAL REPORTMARCH 1, 1980 THROUGH AUGUST 31, 1980CONOCO CHEMICALS COMPANY PVC PLANTABERDEEN, MISSISSIPPI

WEIGHTED AVERAGE RESIDUAL VINYL CHLORIDE
CONCENTRATION IN STRIPPED SLURRY
PPM VCM, DRY BASIS

DAY	MONTH					
	March	April	May	June	July	August
1	292	273	101	154	388	196
2	378	298	155	173	187	238
3	275	179	110	204	570	205
4	476	328	105	171	335	352
5	276	308	87	259	407	176
6	250	251	124	152	284	132
7	558	256	104	192	181	142
8	454	229	210	164	196	193
9	589	237	195	233	178	169
10	358	160	160	190	188	174
11	228	204	163	123	178	181
12	410	261	150	224	164	156
13	233	272	149	179	225	247
14	409	196	199	170	130	196
15	248	165	193	81	198	153
16	226	258	177	*	191	148
17	313	215	242	*	162	128
18	264	362	351	*	181	125
19	253	229	159	*	165	315
20	305	323	172	*	191	146
21	178	179	175	*	162	292
22	250	163	202	*	134	354
23	204	199	257	163	107	378
24	259	1099	326	198	171	182
25	101	523	289	352	209	78
26	184	233	*	80	303	185
27	191	350	261	201	242	197
28	207	149	244	160	254	204
29	130	137	613	226	163	145
30	380	71	210	381	219	110
31	281		173		247	125

* No Production On This Date