

SEMIANNUAL REPORT

SEPTEMBER 1, 1980 THROUGH FEBRUARY 28, 1981

CONOCO CHEMICALS COMPANY CHEMICAL PLANT

ABERDEEN, MISSISSIPPI

61.70 (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.

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TABLE 1
INCINERATOR STACK SAMPLES
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<u>DATE OF SAMPLE</u>	<u>TEST METHOD 106</u> <u>PPM VCM BY VOLUME</u>
9/4/80	< 0.1
9/12/80	< 0.1
9/18/80	0.9
9/24/80	< 0.1
10/1/80	0.4
10/7/80	< 0.1
10/20/80	< 0.1
11/6/80	0.4
11/10/80	0.4
12/15/80	< 0.1
1/9/81	< 0.1
1/29/81	0.5
2/4/81	< 0.1
2/11/81	< 0.1
2/16/81	< 0.1
2/27/81	< 0.1

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TABLE 11
STRIPPED SLURRY RESIDUALS
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WEIGHTED AVERAGE RESIDUAL VINYL CHLORIDE CONCENTRATION
IN STRIPPED SLURRY
PPM VCM, DRY BASIS

DAY	MONTH					
	September	October	November	December	January	February
1	170	127	221	161	217	109
2	129	181	384	142	215	162
3	186	143	140	149	229	179
4	192	179	188	158	175	167
5	244	387	252	177	102	192
6	207	334	260	153	143	186
7	170	250	177	218	137	322
8	218	197	118	178	159	203
9	130	284	226	145	208	186
10	123	161	123	154	175	222
11	242	180	313	116	181	82
12	188	136	103	195	142	280
13	235	117	99	87	199	236
14	206	168	151	169	272	344
15	209	266	147	151	140	233
16	282	238	134	127	82	192
17	252	215	118	140	216	320
18	205	135	109	174	147	188
19	244	211	121	142	160	265
20	239	115	117	77	187	446
21	324	143	114	135	294	436
22	173	204	114	84	304	412
23	181	154	178	207	310	209
24	142	137	130	181	375	129
25	242	208	126	215	230	244
26	189	134	115	202	145	241
27	153	82	154	179	157	120
28	152	109	163	153	120	183
29	197	122	152	216	163	
30	156	158	122	226	153	
31		151		207	122	