

SEMIANNUAL REPORT

MARCH 1, 1981 THROUGH AUGUST 31, 1981

CONOCO CHEMICALS COMPANY

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 I
INCINERATOR STACK SAMPLES
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DATE OF SAMPLE

TEST METHOD 106
PPM VCM BY VOLUME

3/5/81	<0.1
3/10/81	<0.1
3/18/81	<0.1
3/26/81	<0.1
4/2/81	<0.1
4/7/81	<0.1
4/16/81	<0.1
4/24/81	<0.1
5/1/81	<0.1
5/8/81	<0.1
5/21/81	<0.1
5/29/81	<0.1
6/3/81	<0.1
6/8/81	<0.1
6/16/81	<0.1
6/24/81	<0.1
7/1/81	<0.1
7/7/81	0.2
7/14/81	<0.1
7/21/81	<0.1
7/28/81	<0.1
8/4/81	<0.1
8/12/81	<0.1
8/18/81	<0.1
8/27/81	<0.1

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TABLE II
STRIPPED SLURRY RESIDUALS

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

<u>MONTH</u>						
<u>DAY</u>	<u>MARCH</u>	<u>APRIL</u>	<u>MAY</u>	<u>JUNE</u>	<u>JULY</u>	<u>AUGUST</u>
1	249	115	163	94	122	193
2	188	277	125	87	250	313
3	396	122	205	89	121	169
4	340	168	233	127	121	146
5	190	127	220	169	126	154
6	241	129	157	101	199	160
7	262	158	145	116	147	254
8	341	162	139	136	118	145
9	141	183	148	87	149	112
10	198	145	120	100	139	149
11	179	180	204	103	196	130
12	209	126	248	111	112	101
13	120	294	127	201	149	238
14	234	141	158	276	173	140
15	166	220	162	168	228	230
16	170	176	163	164	221	118
17	239	326	237	89	189	180
18	197	241	325	202	144	49
19	175	217	159	148	103	148
20	210	116	131	224	106	143
21	406	264	233	84	153	231
22	133	331	131	146	179	162
23	108	214	172	73	261	215
24	172	109	127	153	218	162
25	167	210	147	165	155	110
26	216	281	127	177	354	129
27	190	222	268	237	193	181
28	191	191	156	146	200	162
29	152	259	106	82	178	138
30	181	199	89	182	172	166
31	149	-	298	-	213	259

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