

SEMIANNUAL REPORT

SEPTEMBER 1, 1979 THRU FEBRUARY 29, 1980

CONOCO CHEMICALS COMPANY PVC 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 the 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.

SAL 000090028

TABLE I
INCINERATOR STACK SAMPLES
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<u>DATE OF SAMPLE</u>	<u>TEST METHOD 106</u> <u>PPM VCM BY VOLUME</u>
9/4/79	2.1
9/12/79	< 0.1
9/17/79	< 0.1
11/16/79	< 0.1
11/21/79	9.7
12/7/79	< 0.1
12/14/79	0.9
12/21/79	7.6
12/28/79	0.5
1/10/80	< 0.1
1/16/80	< 0.1
1/23/80	< 0.1
1/31/80	< 0.1
2/4/80	2.6
2/12/80	1.0
2/19/80	7.3
2/26/80	2.4

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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

DAY	MONTH					
	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY
1	269	203	185	541	112	217
2	215	210	667	165	154	226
3	460	201	363	373	413	236
4	167	176	229	132	134	415
5	172	207	326	76	444	234
6	157	240	479	214	172	227
7	245	237	314	156	252	231
8	147	234	145	130	299	317
9	335	138	131	198	214	358
10	178	218	193	235	205	299
11	161	165	189	206	451	362
12	172	232	336	194	358	180
13	217	249	639	102	329	256
14	256	266	369	174	325	226
15	390	372	228	160	298	225
16	274	271	439	155	238	308
17	275	361	277	144	339	418
18	301	225	184	189	193	402
19	305	242	158	133	269	372
20	427	278	183	182	182	333
21	249	247	207	261	204	272
22	267	271	162	135	359	291
23	243	226	182	95	241	360
24	195	208	116	138	230	242
25	181	248	190	152	280	487
26	203	195	236	108	288	139
27	302	155	226	195	319	300
28	234	179	152	158	327	270
29	454	271	296	156	270	302
30	189	211	179	154	227	
31		216		155	301	

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