

SEMIANNUAL REPORT

MARCH 1, 1983 THROUGH AUGUST 31, 1983

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), (6)(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. 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 purge the vinyl chloride from the reactor vapor space. These procedures are described in Section VI of the Compliance Manual which was submitted to EPA Region IV on August 14, 1978.

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TABLE I
INCINERATOR STACK SAMPLES
SEMIANNUAL REPORT
MARCH 1, 1983 THROUGH AUGUST 31, 1983
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<u>DATE OF SAMPLE</u>	<u>PPM VCM VOLUME</u>
03/02/83	1.4
03/09/83	0.5
03/14/83	<0.1
03/21/83	1.0
03/28/83	1.1
04/04/83	0.3
04/12/83	0.7
04/20/83	<0.1
04/26/83	<0.1
05/06/83	0.1
05/12/83	<0.1
05/18/83	<0.1
05/25/83	<0.1
06/01/83	<0.1
06/09/83	<0.1
06/15/83	1.0
06/23/83	<0.1
06/29/83	<0.1
07/06/83	0.6
07/12/83	<0.1
07/19/83	<0.1
07/26/83	<0.1
08/02/83	<0.1
08/10/83	<0.1
08/15/83	<0.1
08/23/83	<0.1
08/29/83	<0.1

SAL 000089993

TABLE II

SEMIANNUAL REPORT

MARCH 1, THROUGH AUGUST 31, 1983

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

<u>DATE</u>		<u>MONTH</u>				
<u>1983</u>	<u>MARCH</u>	<u>APRIL</u>	<u>MAY</u>	<u>JUNE</u>	<u>JULY</u>	<u>AUGUST</u>
1	275	259	193	164	241	213
2	153	215	175	136	199	194
3	548	292	271	211	250	216
4	178	290	176	220	188	228
5	212	No Production		207	193	186
6	242	549	161	126	199	255
7	170	171	286	96	118	210
8	206	330	271	118	136	193
9	244	239	67	126	139	351
10	87	278	148	124	157	171
11	190	184	136	160	226	178
12	242	210	185	121	127	211
13	185	159	174	144	188	172
14	180	270	215	212	244	205
15	200	176	306	127	267	219
16	192	171	296	173	219	135
17	205	161	232	227	236	172
18	214	322	303	167	149	194
19	266	197	234	178	167	241
20	220	200	206	220	125	199
21	386	200	233	172	124	154
22	331	238	261	185	189	150
23	271	332	180	166	255	210
24	153	251	224	166	146	231
25	275	279	136	143	209	212
26	238	168	123	169	209	183
27	180	184	106	222	272	186
28	226	180	161	205	174	233
29	245	206	105	216	192	283
30	244	213	186	205	205	182
31	177	---	118	---	265	127

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