

CHEMICAL DIVISION
LAKE CHARLES, LOUISIANA

CONFIDENTIAL:

Subject to Protective Order
of 14th Judicial District Court
No. 91-1145

BI 305-10

WASTE RECOVERY DEPARTMENT OPERATIONS REPORT

[illegible]

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of 14th Judicial District Court
No. 91-1145

LAKE CHARLES, LOUISIANA

WASTE RECOVERY DEPARTMENT OPERATIONS REPORT

[illegible]

PPG INDUSTRIES

CHEMICAL DIVISION
LAKE CHARLES, LOUISIANA

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BI-305-20

LABORATORY OPERATIONS REPORT

RECOVERY OPERATIONS REPORT														
WASTE RECOVERY UNIT PRODUCT	1982 AVG.	JAN 32	FEB. 29	MAR. 28	APR. 33	MAY 30	JUNE 29	JULY 32	AUG. 29	SEP. 30	OCT. 31	NOV. 31	DEC. 31	1983 AVG.
Ethyl Chloride Wt. %	0.25	0.14	0.02	0.09	0.24	0.15	0.23	0.29	0.29	0.29	0.01	0.27	0.23	0.18
Vinylidene Chloride	0.10	0.12	0.09	0.11	0.02	0.03	0.03	0.03	0.01	0.02	0.02	0.11	1.63	0.19
t-1,2-Dichloroethylene														
1,1-Dichloroethane	0.38	0.55	0.26	0.61	0.20	0.16	0.21	0.30	0.29	0.58	0.35	0.33	0.28	0.34
c-1,2-Dichloroethylene	0.13	0.13	0.12	0.56	0.07	0.06	0.09	0.12	0.00	0.78	0.18	0.16	0.26	0.21
Chloroform	0.56	1.20	0.58	2.01	1.36	0.75	0.88	0.64	0.27	1.16	1.44	0.76	0.99	1.00
1,2-Dichloroethane	21.99	22.58	27.83	28.72	17.97	23.08	24.44	23.75	31.25	31.21	26.33	20.20	18.01	24.61
Carbon Tetrachloride	0.25	0.54	0.37	1.01	0.35	0.17	0.20	0.09	0.10	0.38	0.22	0.18	0.27	0.32
Trichloroethylene	0.49	0.90	0.39	0.66	0.13	0.16	0.24	0.21	0.37	0.53	2.45	0.60	0.53	0.60
1,1,2-Trichloroethane	24.60	24.83	30.11	25.16	29.54	32.06	31.38	31.62	26.61	27.36	27.68	29.48	22.61	28.20
Perchloroethylene	8.44	6.74	4.58	5.81	6.88	8.97	8.35	9.44	9.64	7.55	15.90	11.50	17.91	9.44
U-Tetrachloroethane	9.27	10.01	7.03	6.44	8.16	5.11	5.30	6.99	5.02	5.98	2.73	6.61	6.28	6.31
S-Tetrachloroethane	13.65	14.01	12.77	12.18	14.70	12.20	13.61	10.52	8.13	9.02	8.00	11.65	10.79	11.47
Pentachloroethane	8.83	9.02	5.58	6.78	8.54	5.26	4.21	3.81	3.52	3.01	3.81	5.19	5.01	5.31
Hexachloroethane	1.84	1.84	1.31	1.63	1.62	1.08	1.06	0.93	0.92	0.44	0.85	1.33	1.81	1.24
Pentachloro Butadiene	1.11	0.65	0.74	0.74	0.84	0.70	0.57	0.57	0.64	0.53	0.51	0.72	0.75	0.66
Hexachloro Butadiene	2.03	1.08	1.25	1.21	1.24	1.25	1.08	1.17	1.42	1.18	0.98	1.28	0.95	1.17
Unknowns	6.19	5.45	6.82	6.39	9.65	8.53	8.69	9.59	11.25	9.77	8.43	9.18	7.80	8.46
Specific Gravity	1.433	-	1.424	-	1.485	-	1.405	1.395	1.410	1.381	1.408	1.430	1.400	1.415
BOTTOMS PLANT WASTE Wt. %														
(INCINERATOR FEED)														
1,2-Dichloroethane	1.06	0.57	1.44	1.78	0.81	1.19	1.93	1.45	1.81	1.58	2.82	1.81	0.79	1.50
Trichloroethylene	0.04	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.31	0.02	0.03	0.03
1,1,2-Trichloroethane	4.28	5.29	6.68	5.42	5.08	7.22	9.35	7.26	6.98	6.10	8.93	5.85	3.89	6.50
Perchloroethylene	1.61	1.67	0.76	1.32	1.08	1.52	2.76	2.91	3.52	1.87	4.27	2.59	3.94	2.35
U-Tetrachloroethane	2.91	3.76	3.10	2.09	1.87	1.94	1.96	2.33	3.30	2.58	2.06	2.51	2.02	2.46
S-Tetrachloroethane	9.34	10.83	11.32	10.42	10.07	11.01	11.65	8.84	8.76	8.77	9.05	10.76	9.25	10.06
Pentachloroethane	10.99	16.97	7.71	9.39	6.51	5.01	6.02	4.43	4.79	5.06	6.23	8.35	7.41	7.32
Hexachloroethane	4.28	4.28	3.16	2.88	3.43	2.01	2.69	2.99	2.95	3.30	3.75	4.83	5.42	3.47
Pentachloro Butadiene	5.38	4.25	4.15	5.28	4.22	5.20	2.92	0.0	0.0	1.87	2.00	2.20	1.23	2.78
Hexachloro Butadiene	13.11	8.83	8.19	10.48	7.68	4.74	2.86	0.70	1.00	12.31	9.07	10.98	11.77	7.38
Unknowns Total	20.48	18.03	24.49	17.10	26.66	30.35	33.25	36.66	41.69	32.85	27.73	25.00	20.91	27.89
Toluene	0.15	0.30	0.31	0.25	0.23	0.39	1.34	0.53	0.53	0.16	0.01	0.01	0.01	0.34
Specific Gravity	-	-	-	-	-	-	-	-	-	-	-	-	-	-

PPG INDUSTRIES

CHEMICAL DIVISION

LAKE CHARLES, LOUISIANA
INCINERATOR OPERATIONS REPORT

CONFIDENTIAL:

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No. 91-1145

BI-306-10

GENERAL DEPARTMENT VENTS FLOWS MSCF/DAY	1982 AVG.	JAN 32	FEB. 29	MAR. 28	APR. 30	MAY 31	JUNE 29	JULY 31	AUG. 29	SEP. 30	OCT. 31	NOV. 30	DEC. 31	1983
VC I	25.8	40.5	20.1	45.0	49.0	44.5	19.4	21.7	26.9	0.0	117.3	0.0	0.0	32.2
No. 1 EDC	18.0	57.9	35.4	107.0	118.4	47.4	52.4	116.2	116.9	30.6	0.0	0.0	2.5	57.1
No. 2 EDC	84.5	96.3	155.4	126.2	120.6	156.6	148.1	196.3	221.9	141.2	179.5	141.3	138.8	151.5
P/T	827.0	716.0	834.1	618.6	888.2	948.2	1001.4	1140.2	835.1	851.5	1162.2	1129.1	1311.0	956.5
OHC I	181.7	35.3	6.6	31.4	121.6	121.0	121.1	187.7	128.4	177.9	125.4	150.5	134.4	112.7
Tri-Ethane II	15.8	31.4	13.9	6.2	9.5	29.6	29.7	17.2	22.3	16.9	46.9	55.0	0.8	23.4
OHC II	108.4	122.9	168.0	15.1	123.0	174.9	134.0	110.3	89.5	74.1	123.0	42.6	104.6	107.2
EDC III (INCIN.FEED)	38.9	30.8	38.9	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4
Liquid Flow to Incs. from Waste Recovery Lbs./DAY	59225	43203	102832	73234	96091	86845	126060	72732	96951	88476	138422	117727	97676	94819
No. 1 INCINERATOR														
Waste Gas MSCF/DAY	398.2	362.6	298.0	711.3	312.6	510.9	661.0	752.2	411.0	279.3	448.4	474.2	494.5	474.7
Natural Gas MSCF/DAY	237.3	303.0	278.4	319.3	205.0	275.6	202.0	218.6	293.9	322.1	285.8	273.5	218.1	266.3
Sabine River Water GPM	452	411	370	450	519	758	603	585	871	577	538	562	528	564
Combustion Air Flow SCFH	4335	3732	4414	4388	3741	3853	4786	4686	4232	4042	4163	4571	3411	4168
*Operating Hours	8349	732	630	650	763	635	687	750	679	714	728	735	725	702
HCl in Aqueous Sol. Tons	180	114	60	236	164	253	339	587	169	172	314	470	177	255
Liquid Waste Burned Tons	140	0	0	16	21	34	0	0	0	0	0	0	0	6
No. 2 INCINERATOR														
Waste Gas MSCF/DAY	383.0	378.9	497.5	542.9	74.1	150.4	462.2	515.1	158.7	1.8	86.4	551.9	628.6	336.5
Natural Gas MSCF/DAY	319.9	536.6	461.4	353.9	117.5	401.6	415.9	341.4	105.3	87.2	311.4	308.4	289.9	310.9
Sabine River Water GPM	478	466	475	478	183	723	559	548	282	114	573	543	514	455
Combustion Air Flow SCFH	4463	1708	3987	4607	4666	2422	4379	5514	3664	-	4466	4730	3260	3946
*Operating Hours	8276	726	679	664	243	666	671	744	327	96	726	718	696	580
HCl in Aqueous Sol. Tons	400	62	117	154	82	126	304	735	94	28	258	602	195	230
Liquid Waste Burned Tons	490	0	0	117	60	6	0	191	0	0	0	0	0	31
SL 014361														

* Totals

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WASTE TREATMENT

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WASTE TREATMENT

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SL 014365

**CHEMICAL DIVISION
LAKE CHARLES, LOUISIANA
LAB OPERATIONS REPORT**

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BI-307-40

[illegible]

CENTRAL OHC STRIPPERS OPERATIONS

BI-308-10

[illegible]

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