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

WASTE TREATMENT OPERATIONS

SEWER SEGREGATION	Jan-91	Feb-91	Mar-91	Apr-91	May-91	Jun-91	Jul-91	Aug-91	Sep-91	Oct-91	Nov-91	Dec-91	12M AVG	1990 AVG
Plant Feeds														
Waste Flow, gpm	378	323	366	417	418	388	300	360	315	303	370	331	356	502
Steam Flow #1, #/hr	6475	6583	8385	8078	6144	4399	6975	8041	4460	6513	0	74	5510	5729
Steam Flow #2, #/hr	1686	185	336	555	2171	4987	1065	1484	3066	849	8018	3624	2335	7499
Condenser Feed #1														
Out, deg. f.	104	95	98	95	117	107	100	101	121	89	97	80	100	94
Pic Heater #1														
Inlet Temp., deg. f.	178	177	187	186	186	185	189	191	175	192	192	188	185	170
Outlet Temp., deg. f.	217	217	217	217	217	217	217	220	220	223	221	221	219	216
Steam Flow, #/hr	2838	2792	4455	3186	2621	1936	2839	4292	3317	4158	225	317	2748	2642
Steam Stripper #1														
Overhead Temp., deg. f	212	213	214	212	214	214	213	213	214	213	213	213	213	213
Bottom Temp., deg. f.	215	216	217	216	217	217	216	215	216	216	215	215	216	216
Feed Flow, gpm	265	303	328	367	283	190	261	293	199	262	27	57	236	204
Steam Flow, #/hr	3342	2880	3327	4471	3497	2427	4067	4345	2813	3658	299	674	2983	2888
Hours Of Operation	534	508	632	680	532	361	624	520	268	472	0	4	428	401
Flow/Steam, %	2.57	6.07	4.08	5.86	3.86	2.39	4.57	3.39	2.24	3.27	0.28	0.72	3.27	2.20

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WASTE TREATMENT OPERATIONS

SEWER SEGREGATION	Jan-91	Feb-91	Mar-91	Apr-91	May-91	Jun-91	Jul-91	Aug-91	Sep-91	Oct-91	Nov-91	Dec-91	12M AVG	1990 AVG
Condenser Feed #2														
Out Temp., deg. f.	113	127	159	141	108	105	139	148	134	99	97	85	121	130
Pic Heater #2														
Inletr Temp., deg. f.	182	195	203	205	201	190	200	197	196	197	194	196	196	194
Outlet Temp., deg. f.	216	217	211	215	215	216	216	216	218	220	221	220	217	216
Steam Flow, #/hr	127	535	17	63	167	2174	462	746	1523	544	4447	1149	996	3754
Steam Stripper #2														
Overhead Temp., deg. f.	218	214	215	215	215	215	214	215	215	214	214	214	215	215
Bottom Temp., deg. f.	217	214	213	215	215	216	215	274	216	214	215	214	220	215
Feed Flow, gpm	18	112	21	38	70	198	39	67	116	41	342	274	111	299
Steam Flow, #/hr	108	1574	200	357	982	2838	591	896	2011	644	5575	4438	1685	3925
Hours Of Operation	8	148	20	44	44	336	84	88	224	60	440	336	153	404
Flow/Steam, %	4.60	3.19	5.71	5.48	3.64	2.37	2.22	2.44	1.97	2.09	2.05	2.94	3.23	2.45

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CENTRAL OHC STRIPPERS OPERATIONS

CENTRAL OHC STRIPPER		Jan-91	Feb-91	Mar-91	Apr-91	May-91	Jun-91	Jul-91	Aug-91	Sep-91	Oct-91	Nov-91	Dec-91	YTD AVG	12M AVG	1990 AVG
Plant Feeds																
Waste Flow	GPM	62.9	59.2	53.7	54.2	52.1	55.3	50.7	47	50.2	46.6	49.5	46.1	52.3	52.3	53.0
Steam Flow	#/HR	12918	11641	12703	11561	11974	10834	12167	9660	11541	12934	13004	11455	11866	11866	9498
Combined Fd.	PH	11.3	11.3	11.8	11.7	11.3	11.3	11.3	11.1	11.3	11.3	11.3	11.3	11.4	11.4	11.4
Steam Stripper #1																
Ovhd Temp.	DEG. F.	223	224	224	224	225	224	224	224	224	220	221	219	223	223	224
Liq. Phase Temp.	DEG. F.	232	233	233	234	232	232	233	232	232	232	233	232	233	233	233
Feed Flow	GPM	53.7	46.2	52.1	50.1	50.8	48.1	56.4	40.5	51.2	49.7	55.2	39.2	49.4	49.4	44.9
Steam Flow	#/HR	6679	6470	6575	6009	5614	5377	6430	3653	5108	6237	6894	5650	5891	5891	4369
Hrs. of Operation		696	604	704	660	744	712	736	520	684	668	596	652	665	7976	7000
Condenser #1																
Out Temp.	DEG. F.	104	92	98	95	117	107	100	101	121	89	97	80	100	100	-
Steam Stripper #2																
Ovhd Temp.	DEG. F.	223	224	224	224	223	223	223	223	223	220	221	222	223	223	225
Liq. Phase Temp.	DEG. F.	234	233	233	234	232	232	233	232	233	232	233	234	233	233	234
Feed Flow	GPM	54.4	40.5	43.6	55.5	46.7	39.9	56.7	58.9	53.8	48.0	55.2	54.3	50.6	50.6	45.4
Steam Flow	#/HR	6239	5171	6128	5552	6360	5457	5737	6007	6433	6697	6110	5805	5975	5975	5257
Hrs. of Operation		688	560	724	700	744	652	696	672	684	712	556	720	676	8108	7488

WASTE TECH

WASTE TECH	Jan-91	Feb-91	Mar-91	Apr-91	May-91	Jun-91	Jul-91	Aug-91	Sep-91	Oct-91	Nov-91	Dec-91	YTD AVG	12-M AVG	1990 AVG
Sludge Flow #/D	20583	18083	24780	17005	29606	24817	21039	20230	14675	27972	23124	10948	21116	21072	28392
C.L./Waste NaoH Tns	206	274	309	346	365	326	312	277	355	352.4	335.5	324.8	325	323	252
Nitrogen Used Tns	237	111	209	203	218	245	3	0	203	194	270.5	248.2	173	178	134
Sabine H2O MMGls	7.952	7.198	5.965	2.766	4.099	4.550	3.953	3.395	3.907	4.050	3.570	3.000	4.223	4.534	3.495
Natural Gas MCF	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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INCINERATOR OPERATIONS

VENT FLOWS, MSCF/DAY	Jan-91	Feb-91	Mar-91	Apr-91	May-91	Jun-91	Jul-91	Aug-91	Sep-91	Oct-91	Nov-91	Dec-91	YTD AVG	12M AVG	1990 AVG
P/T	589.0	518.1	584.8	696.9	571.3	877.0	626.4	490.9	207.4	304.5	339.5	481.8	518.1	524.0	852.1
Tri-Ethane II	18.8	39.7	93.1	20.4	22.6	17.4	14.8	35.5	17.3	23.1	23.8	9.2	28.8	28.0	68.3
Liquid Flow To Inc. From Waste Recovery, t/d	53.13	40.70	56.77	64.60	74.30	75.30	74.30	76.80	61.90	67.20	123.70	91.40	73.4	71.67	55.76
No. 1 INCINERATOR															
Waste Gas	655.4	858.8	553.1	569.7	723.3	260.5	187.4	331.7	0.0	418.0	445.9	888.2	476.1	491.0	716.7
Natural Gas	437.4	247.2	200.0	386.1	385.7	384.6	300.6	292.7	194.2	351.1	365.5	365.1	315.7	325.9	407.1
Sabine River Water, gpm	663	546	323	646	676	632	574	522	502	824	720	681	604.2	609	561
Operating Hours	599	372	411	620	742	701	737	606	504	723	713	744	6873	7472	7618
HCl In Aqueous Sol., tons	112.0	163.0	217.0	361.0	502.0	328.0	689.0	460.0	651.0	894.0	491.0	584.0	485.5	454.3	491.0
Liquid Waste Burned, tons	149.0	0.0	142.0	180.0	364.0	616.0	899.0	369.0	791.0	663.0	1165.0	528.0	519.7	488.8	316.0
No. 2 INCINERATOR															
Waste Gas	895.9	787.9	873.1	579.5	428.6	791.2	954.6	740.9	1098.3	513.6	749.7	294.6	710.2	725.7	661.1
Natural Gas	431.2	310.6	342.5	363.1	301.7	347.4	337.9	333.2	386.3	252.6	380.1	283.1	330.8	339.1	366.9
Sabine River Water, gpm	705	641	691	695	666	627	609	639	795	544	700	664	661.0	663.0	591
Operating Hours	681	654	724	578	736	707	743	735	706	464	702	739	7488	8169	8073
HCl In Aqueous Sol., tons	219	635	285	405	1612	542	505	458	412	214	506	1502	643	708	1235
Liquid Waste Burned, tons	53	126	273	121	621	1	69	57	0	0	156	853	207	194	293

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INCINERATOR OPERATIONS

	Jan-91	Feb-91	Mar-91	Apr-91	May-91	Jun-91	Jul-91	Aug-91	Sep-91	Oct-91	Nov-91	Dec-91	YTD AVG	12M AVG	1990 AVG
NO. 3 INCINERATOR															
Waste Gas, MSCF/DAY	788.3	618.2	668.7	759.4	479.5	828.6	554.8	315.7	90.6	526.8	346.9	500.8	517.3	522.6	774.8
Natural Gas, MSCF/DAY	356.3	291.6	271.9	369.6	226.5	269.1	197.3	261.6	249.4	268.6	437.0	407.3	295.4	300.3	296.5
Sabine River Water, gpm	171.2	154.0	138.0	205.0	187.0	248.0	206.0	217.0	153.0	162.0	212.0	174.0	186.9	185.6	169.1
Combustion Air Flow, SCFM															
Operating Hours	710	534	633	710	633	717	636	704	504	554	720	612	6957	7667	7126
HCl In Aqueous Sol., tons	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0	0
Liquid Waste Burned, tons	1445	1014	1344	1638	1320	2259	1335	1957	1065	1419	2389	1451	1562.8	1553	1088
Inc. Purchsd. Bttms, tons	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0	0
175# Steam Gen.															
(900 # Basis), mmlbs.	27.7	19.2	22.3	25.7	21.5	26.2	20.2	24.2	18.3	18.9	24.3	25.1	22.4	22.8	21.0

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WASTE RECOVERY OPERATIONS

	Jan-91	Feb-91	Mar-91	Apr-91	May-91	Jun-91	Jul-91	Aug-91	Sep-91	Oct-91	Nov-91	Dec-91	YTD AVG	12M AVG	1990 AVG
TOTAL Cl2 + C RECEIVED TONS PER DAY FROM															
EDC I/II	3.0	3.3	0.3	0.0	0.0	0.0	2.2	0.0	1.9	0.0	1.5	3.2	1.1	1.3	2.8
T-E II	36.8	42.6	44.5	25.8	28.4	32.0	15.9	20.1	23.4	22.4	15.5	24.9	26.9	27.7	37.3
VDCM	2.4	0.4	0.8	1.2	0.8	0.4	2.1	1.2	0.2	0.3	0.2	1.7	0.8	1.0	1.9
EC	2.0	2.1	2.5	3.0	2.0	1.2	0.0	1.3	2.2	0.7	4.1	0.5	1.8	1.8	3.1
PER TRI	22.8	24.2	36.7	27.9	36.9	28.3	28.0	36.1	43.2	31.6	28.6	21.4	31.2	30.5	46.3
VC II	27.1	28.0	36.1	33.4	35.1	35.5	33.3	32.1	29.0	29.1	21.5	29.7	31.2	30.8	29.9
VISTA	13.9	6.3	6.5	6.4	7.7	7.9	9.0	8.3	8.8	5.2	9.0	9.3	7.7	8.2	8.3
FORMOSA PLASTIC (BR)	7.9	6.4	5.2	8.9	7.4	6.2	7.0	7.2	7.7	7.3	6.6	7.6	7.0	7.1	8.9
GEORGIA GULF	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	4.4	1.6	0.0	0.0	0.9	0.8	12.7
SHELL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
FORMOSA PLASTIC (PC, TX)	13.5	23.4	20.0	18.0	26.2	23.2	15.5	8.4	11.2	14.4	18.7	23.1	18.4	18.0	15.4
GOODRICH (TARS)	30.6	27.3	33.4	39.0	34.2	27.1	36.5	25.6	22.5	14.2	12.2	27.1	27.2	27.5	25.6
BRAZIL(EDC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
3-M	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
PEMEX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CARLYSS	11.6	12.5	9.3	11.0	7.9	11.2	12.4	7.8	2.0	3.1	4.8	3.1	7.7	8.1	7.0
MONSANTO	0.0	0.0	0.6	0.6	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.1
Trans to Per Tri (Tetra)	155.4	155.7	176.9	168.8	173.4	169.0	153.6	142.0	139.8	121.9	132.4	134.9	151.7	150.8	182.3

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WASTE RECOVERY OPERATIONS

GENERAL DEPARTMENT	Jan-91	Feb-91	Mar-91	Apr-91	May-91	Jun-91	Jul-91	Aug-91	Sep-91	Oct-91	Nov-91	Dec-91	YTD AVG	12M AVG	1990 AVG
Loss, Tons	332.7	687.9	137.5	264.2	554.9	233.7	314.1	208.7	694.0	188.7	175.1	457.9	356.1	354.1	370.8
YIELDS															
Cl2	92.79	86.29	97.80	97.99	90.75	95.44	93.85	94.56	85.21	95.00	95.01	90.11	92.91	92.65	93.64
C	97.00	85.58	96.77	95.70	90.02	96.85	93.93	98.91	88.02	96.76	95.00	90.27	93.44	93.59	94.40

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WASTE RECOVERY OPERATIONS

WASTE RECOVERY UNIT													12M	1990
PRODUCT, WT. %	Jan-91	Feb-91	Mar-91	Apr-91	May-91	Jun-91	Jul-91	Aug-91	Sep-91	Oct-91	Nov-91	Dec-91	AVG	AVG
Ethyl Chloride	0.39	0.52	0.42	0.43	0.31	0.25	0.09	0.17	0.23	0.16	0.44	0.12	0.29	0.48
Vinylidene Chloride	1.32	0.46	0.39	0.33	0.22	0.17	0.55	1.10	0.20	0.10	0.35	0.64	0.49	0.49
t-1,2-Dichloroethylene														–
1,1-Dichloroethane	0.24	0.17	0.14	0.20	0.12	0.17	0.18	0.09	0.10	0.25	0.34	0.21	0.18	0.16
c-1,2-Dichloroethylene	0.20	0.26	0.21	0.29	0.20	0.34	0.23	0.17	0.17	0.30	0.42	0.26	0.25	0.20
Chloroform	1.90	2.79	2.32	2.75	2.49	3.74	2.42	2.36	2.18	3.42	3.79	2.98	2.76	2.03
1,2-Dichloroethane	30.36	31.16	30.71	34.08	33.13	33.07	35.68	34.33	35.84	25.26	34.80	36.23	32.89	29.05
Carbon Tetrachloride	0.38	0.52	0.47	0.59	0.43	0.92	0.61	0.28	0.23	0.49	0.55	0.41	0.49	0.33
Trichloroethylene	0.32	0.48	0.52	0.66	0.61	1.01	0.80	0.51	0.34	0.68	0.60	0.34	0.57	0.57
1,1,2-Trichloroethane	27.01	29.00	25.78	24.96	23.85	26.73	28.40	29.07	27.17	24.72	21.74	26.24	26.22	27.04
Perchloroethylene	9.59	9.57	13.62	12.82	17.90	12.44	11.06	12.13	15.62	19.73	16.73	9.41	13.39	12.75
U-Tetrachloroethane	10.30	7.86	6.48	4.55	3.52	4.35	3.31	3.20	3.30	3.05	3.73	3.76	4.78	6.60
S-Tetrachloroethane	6.74	5.39	4.95	4.43	3.82	4.43	4.26	4.69	3.74	3.43	3.25	4.01	4.43	5.73
Pentachloroethane	3.28	3.02	2.79	2.28	2.02	1.57	1.55	1.88	1.85	1.60	1.49	2.04	2.11	3.13
Hexachloroethane	0.63	0.88	0.74	0.79	0.80	0.81	0.78	0.75	0.58	0.53	0.32	0.31	0.66	0.75
Pentachloro Butadiene														–
Hexachloro Butadiene	0.40	0.395	0.7375	0.932	0.93	0.635	0.564	0.57	0.67	0.78	0.58	0.52	0.64	0.67
Unknowns														12.76
Specific Gravity	1.392	1.374	1.383	1.368	1.376	1.368	1.360	1.365	1.371	1.373	1.361	1.374	1.372	1.375
BOTTOMS PLANT WASTE														
1,2-Dichloroethane	3.50	3.21	2.89	3.32	3.45	3.36	3.66	3.68	4.99	4.18	5.57	4.67	3.87	3.18
Trichloroethylene	0.75	0.73	0.05	0.07	0.07	0.11	0.10	0.08	0.05	0.12	0.12	0.07	0.19	0.07
1,1,2-Trichloroethane	10.42	10.99	8.60	8.21	8.71	10.51	12.86	11.32	12.79	11.74	10.99	12.27	10.78	9.48
Perchloroethylene	3.10	3.03	4.15	3.83	6.66	4.68	4.56	4.69	8.48	5.67	8.10	4.77	5.14	4.51
U-Tetrachloroethane	8.08	5.16	4.15	2.86	2.53	3.30	2.81	2.56	3.11	2.82	2.41	3.16	3.58	4.47
S-Tetrachloroethane	8.50	6.95	5.84	4.98	4.86	6.42	6.42	6.86	6.36	5.17	5.38	5.99	6.14	6.87
Pentachloroethane	5.66	5.12	5.09	3.95	3.98	2.09	2.50	2.17	4.54	3.28	3.66	3.46	3.79	6.11
Hexachloroethane	2.64	3.16	3.37	3.30	3.49	2.39	2.41	1.31	3.33	2.56	1.96	2.51	2.70	3.48
Pentachloro Butadiene														–
Hexachloro Butadiene	3.96	4.26	7.86	8.00	9.64	3.40	5.61	3.26	9.59	7.20	7.63	6.26	6.39	7.54
Unknowns Total	29.00	30.41	31.51	31.29	28.99	32.44	34.92	36.55	23.09	25.40	28.81	28.77	30.10	30.91
Toluene														–
Specific Gravity	1.365	1.324	1.333	1.301	1.371	1.367	1.166	1.368	1.373	1.323	1.368	1.361	1.335	1.360

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