

SOUTH SPRINT GCF
Groundwater Project
Free Phase Hydrocarbon Thickness Summary

	2/24/94	2/28/94	3/3/94	3/30/94	5/30/94	7/21/94	8/30/94	9/21/94	10/20/94	11/1/94	11/30/94	3/13/95	7/12/95	11/7/95	5/16/96	10/29/96
OW-1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OW-2	--	--	--	--	--	--	--	--	0.02	--	--	--	--	--	--	0.03
OW-3	--	--	--	--	--	--	--	--	0.3	--	0.28	0.06	0	--	--	--
OW-4	--	--	--	--	--	0.02	0.05	0.06	0.05	0.03	0.01	0.02	0.02	--	0.03	0.09
OW-5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OW-6	--	--	NM	0.12	0.13	0.08	0.77	0.02	0.08	--	--	--	--	0.12	--	0.07
OW-7	--	--	NM	--	--	--	2.45	0.32	0.04	0.07	0	0	0	NM	--	--
OW-8	--	--	NM	0.02	0.02	0.01	2.68	0.73	0.63	0.49	0.11	0.06	0	0.05	--	0.31
OW-9	--	NM	NM	0.01	0.65	0.39	1.35	0.02	0.32	0.27	0	0	0	0.93	0.12	0.05
OW-10	--	NM	NM	0.01	0.03	--	2.35	0.54	0.35	0.28	0.01	0.03	0	1.35	0.02	0.65
OW-11	--	NM	NM	--	--	--	--	--	--	--	--	--	--	--	--	--
OW-12	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01	--	--
OW-13	--	NM	--	--	--	--	0.27	0.08	0.44	0.35	0.36	0	0	--	--	0.82
OW-14	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OW-15	--	NM	NM	1.27	1.20	0.58	2.11	1.44	0.95	0.4	0.15	OOS	OOS	OOS	OOS	OOS
OW-16	--	NM	NM	1.03	0.36	0.28	1.48	0.36	0.29	0.26	0.21	0.15	OOS	OOS	OOS	0.63
OW-17	--	NM	NM	0.03	0.06	0.00	2.13	0.01	0.01	--	0.17	--	0.02	--	0.04	NM
SVE-1	--	NM	NM	NM	NM	NM	--	--	--	--	--	--	--	--	--	--
RW-1	NM	NM	NM	NM	NM	0.01	0.01	NM	NM	0.01	NM	NM	NM	NM	NM	NM
RW-2	NM	NM	NM	NM	NM	0.09	0.52	NM	NM	0.01	NM	NM	NM	NM	NM	NM
RW-3	NM	NM	NM	NM	NM	--	--	NM	NM	--	NM	NM	NM	NM	NM	NM
RW-4	NM	NM	NM	NM	NM	--	0.68	NM	NM	--	NM	NM	NM	NM	NM	NM
RW-5	NM	NM	NM	NM	NM	0.04	1.17	NM	NM	0.3	NM	NM	NM	NM	NM	NM
RW-6	NM	NM	NM	NM	NM	0.02	--	NM	NM	0.15	NM	NM	NM	NM	0.01	NM

Note: all measurements in feet of free phase hydrocarbons
 NM - well not measured on this date
 -- 0 ft. of free phase hydrocarbons
 OOS - well taken out of service due to facility upgrades

SOUTH SPRINT GCF
Groundwater Project
Water Elevation Summary

	2/24/94	2/28/94	3/3/94	3/30/94	5/30/94	7/21/94	8/30/94	9/21/94	10/20/94	11/1/94	11/30/94	3/13/95	7/12/95	11/7/95	5/16/96	10/29/96
OW-1	3.71	3.65	3.54	5.44	4.53	NM	2.31	3.30	4.45	4.01	3.53	5.32	2.98	6.13	3.30	4.46
OW-2	3.69	3.60	3.50	5.25	4.43	NM	2.33	3.32	4.38	3.95	3.51	5.22	3.03	5.46	3.27	4.40
OW-3	3.63	3.55	3.45	5.17	4.35	NM	NM	NM	4.10	4.00	3.45	5.12	2.99	5.51	3.24	4.36
OW-4	3.63	3.54	3.46	5.11	4.36	2.95	2.31	3.30	4.33	3.95	3.48	5.16	2.99	5.85	3.22	4.33
OW-5	3.65	3.58	3.51	5.10	4.34	NM	NM	NM	4.33	3.98	3.50	5.20	3.03	5.20	3.22	4.43
OW-6	3.59	3.52	NM	5.02	4.32	2.99	2.26	3.31	4.29	3.91	3.44	4.88	3.03	5.57	3.21	4.37
OW-7	3.69	3.63	NM	5.18	4.43	2.99	2.07	3.30	4.34	3.97	3.50	5.10	3.04	NM	3.29	4.34
OW-8	3.53	3.46	NM	5.01	4.26	2.90	2.09	3.17	4.21	3.81	3.38	4.84	2.93	5.68	3.13	4.25
OW-9	3.41	NM	NM	4.87	4.07	2.74	2.07	3.12	4.06	3.70	3.30	4.59	2.87	5.39	3.00	4.18
OW-10	3.30	NM	NM	4.73	4.01	2.77	1.98	3.01	3.92	3.61	3.22	4.39	2.83	6.03	2.95	4.06
OW-11	3.18	NM	NM	4.58	3.88	NM	2.07	2.96	3.83	3.51	3.15	4.26	2.78	4.95	2.89	
OW-12	3.77	3.72	3.66	5.52	4.63	NM	2.36	3.37	4.52	4.09	3.61	5.37	3.06	6.25	3.38	4.52
OW-13	3.53	NM	3.43	5.18	4.25	NM	2.21	3.20	4.20	3.84	3.37	4.97	2.92	5.77	3.18	4.24
OW-14	3.18	3.15	3.12	4.53	3.86	2.96	2.09	2.97	3.79	3.47	3.16	4.36	2.89	5.14	2.94	4.08
OW-15	3.48	NM	NM	4.83	4.12	1.89	2.06	3.17	4.04	3.75	3.33	OOS	OOS			
OW-16	3.58	NM	NM	4.98	4.30	2.98	2.18	3.24	4.20	3.84	3.43	4.76	OOS			
OW-17	3.57	NM	NM	5.09	4.36	3.02	2.13	3.32	4.27	3.86	3.43	4.75	3.03	NM	3.15	NM
SVE-1	3.61	NM	NM	NM	NM	NM	NM	NM	NM	3.87	3.40	5.02	2.91	NM	3.09	4.23
RW-1	NM	NM	NM	NM	NM	2.91	1.86	NM	NM	3.96	NM	NM	NM	NM	NM	NM
RW-2	NM	NM	NM	NM	NM	3.04	2.39	NM	NM	3.95	NM	NM	NM	NM	NM	NM
RW-3	NM	NM	NM	NM	NM	2.96	2.18	NM	NM	3.93	NM	NM	NM	NM	NM	NM
RW-4	NM	NM	NM	NM	NM	2.86	2.30	NM	NM	3.84	NM	NM	NM	NM	NM	NM
RW-5	NM	NM	NM	NM	NM	2.54	2.08	NM	NM	3.61	NM	NM	NM	NM	NM	NM
RW-6	NM	NM	NM	NM	NM	2.72	2.15	NM	NM	3.91	NM	OOS	OOS		2.91	NM
P-1	*	*	*	*	*	*	*	*	*	3.49	3.19	4.31	2.85	5.15	2.93	NM
P-2	*	*	*	*	*	*	*	*	*	3.67	3.37	4.56	3.00	8.18	3.09	4.22
P-3	*	*	*	*	*	*	*	*	*	3.93	3.60	4.85	3.17	8.78	3.36	4.40
P-4	*	*	*	*	*	*	*	*	*	3.95	NM	NM	3.13	5.93	3.37	4.48
P-5	*	*	*	*	*	*	*	*	*	4.00	3.61	5.09	3.11	6.09	3.40	2.30
P-6	*	*	*	*	*	*	*	*	*	3.67	3.30	4.92	2.84	5.90	3.03	2.20
P-7	*	*	*	*	*	*	*	*	*	3.60	3.25	4.53	2.81	5.43	2.98	2.90
P-8	*	*	*	*	*	*	*	*	*	3.39	3.10	4.24	2.68	5.14	3.82	4.62
P-9	*	*	*	*	*	*	*	*	*	3.48	3.13	4.36	2.74	5.26	2.88	4.03
P-9b	*	*	*	*	*	*	*	*	*	3.49	3.14	4.36	2.75	5.30	2.90	4.02
P-10	*	*	*	*	*	*	*	*	*	3.28	2.97	4.00	2.60	4.92	2.69	3.87
P-11	*	*	*	*	*	*	*	*	*	3.32	3.12	4.24	2.70	5.16	2.87	4.04
P-12	*	*	*	*	*	*	*	*	*	3.20	2.92	3.92	2.56	4.84	2.63	3.83
P-13	*	*	*	*	*	*	*	*	*	2.43	3.14	4.36	2.84	5.26	2.97	4.12
P-14	*	*	*	*	*	*	*	*	*	3.28	3.00	4.02	2.65	4.93	2.71	3.90
P-15	*	*	*	*	*	*	*	*	*	3.61	NM	4.69	2.86	5.53	3.81	4.23
P-16	*	*	*	*	*	*	*	*	*	3.48	NM	4.54	2.80	5.28	2.86	4.08
P-17	*	*	*	*	*	*	*	*	*	3.32	2.99	4.11	2.68	5.07	2.76	3.91
P-18	*	*	*	*	*	*	*	*	*	3.16	2.88	3.86	2.54	4.76	2.59	3.80
P-19	*	*	*	*	*	*	*	*	*	3.09	2.81	3.77	2.47	4.71	2.52	3.73

Notes:

NM = well not measured on that date
all elevations in feet above sea level
* well not drilled yet
OOS out of service

WELL MONITORING DATA
South Sprint Gas Collection Facility
Remediation Project
North Padre Island, Texas

<u>Well No.</u>	<u>Casing Elev.</u>	<u>Depth to Water</u>	<u>Water Elev.</u>	<u>Depth to Product</u>	<u>Product Thickness</u>	<u>Corrected Water Elev.</u>
OW-1	7.44	2.98	4.46	--	--	4.46
OW-2	7.96	3.58	4.38	3.55	0.03	4.40
OW-3	7.75	3.39	4.36	--	--	4.36
OW-4	8.19	3.92	4.27	3.83	0.09	4.33
OW-5	8.09	3.66	4.43	--	--	4.43
OW-6	8.46	4.14	4.32	4.07	0.07	4.37
OW-7	8.29	3.95	4.34	--	--	4.34
OW-8	8.49	4.46	4.03	4.15	0.31	4.25
OW-9	8.11	3.97	4.14	3.92	0.05	4.18
OW-10	8.82	5.22	3.60	4.57	0.65	4.06
OW-11	8.15			--	--	
OW-12	7.77	3.25	4.52	--	--	4.52
OW-13	7.59	3.93	3.66	3.11	0.82	4.24
OW-14	7.68	3.60	4.08	--	--	4.08
OW-15	9.12	out of service				
OW-16	8.93	5.50		4.87	0.63	
OW-17	8.42	NM	NM	NM	NM	NM
SVE-1	8.02	3.79	4.23	--	--	4.23
RW-1	10.64	NM	NM		NM	NM
RW-2	10.12	NM	NM		NM	NM
RW-3	8.43	NM	NM		NM	NM
RW-4	8.52	NM	NM		NM	NM
RW-5	9.75	NM	NM		NM	NM
RW-6	9.85	NM	NM	NM	NM	NM
P-1	9.31	NM	NM	--	--	NM
P-2	14.38	10.16	4.22	--	--	4.22
P-3	14.58	10.18	4.40	--	--	4.40
P-4	12.17	7.69	4.48	--	--	4.48
P-5	9.87	7.57	2.30	--	--	2.30
P-6	10.58	8.38	2.20	--	--	2.20
P-7	11.11	8.21	2.90	--	--	2.90
P-8	14.70	10.08	4.62	--	--	4.62
P-9	10.88	6.85	4.03	--	--	4.03
P-9b	10.80	6.78	4.02	--	--	4.02
P-10	10.40	6.53	3.87	--	--	3.87
P-11	9.74	5.70	4.04	--	--	4.04
P-12	9.74	5.91	3.83	--	--	3.83
P-13	9.86	5.74	4.12	--	--	4.12
P-14	9.43	5.53	3.90	--	--	3.90
P-15	10.39	6.16	4.23	--	--	4.23
P-16	11.68	7.60	4.08	--	--	4.08
P-17	9.45	5.54	3.91	--	--	3.91
P-18	9.64	5.84	3.80	--	--	3.80
P-19	11.35	7.62	3.73	--	--	3.73

NOTES:

- * Measured on 10/29/96
- * Correction factor of 0.708 used based on similar liquids at a different gas plant
- * NM - well not measured on this date
- # elevation may be incorrect due to build up inside well

SOUTH SPRINT GAS COLLECTION FACILITY
Groundwater Remediation Project
Historical BTEX Analysis Results

Date sampled	2/24/94	2/28/94	2/28/94	6/1/94	10/31/94	11/2/94	11/2/94	11/30/94	12/2/94	3/15/95	7/17/95	11/14/95	5/16/96	10/29/96
Lab utilized	Core	Core	AMOCO	AMOCO	GEO	GEO	AMOCO	AMOCO	AMOCO	AMOCO	AMOCO	AMOCO	AMOCO	AMOCO
Well No.														
OW-1	ND	ND	ND	ND				ND		ND	0.002	0.002	ND	ND
OW-2		0.24	0.67	0.29				1.52	0.341	0.247	0.158	0.017	0.08	0.08
OW-3		0.36	0.51					86.5	17		0.186	0.04	0.13	0.08
OW-4		0.37	0.49	0.62				0.537	0.175			0.037	0.1	NS
OW-5		0.45	0.46					0.367	0.08	0.035	0.169	0.032	0.04	0.019
OW-6	0.52	1.28	1.25					4.67	0.664	0.296	0.760	0.207	0.610	NS
OW-7	0.13	0.17		0.20				0.962	0.689	0.119	0.114	NS	lph	0.07
OW-8	16.30	1.61				1.03	6.59	18.3	127		1.05	0.618	1.33	NS
OW-9						0.68	1.5	0.739	6.23	1.36	0.597	0.166	0.77	NS
OW-10						0.48	0.034	1.17	0.957		0.420	0.474	0.390	NS
OW-11	ND			ND	BRL			ND		ND	0.002	0.002	ND	ND
OW-12	ND	ND	ND	ND				ND		ND	0.004	0.002	ND	ND
OW-13	0.03	0.10	0.13	0.11				8.8		0.091	0.070	0.010	ND	NS
OW-14	ND		0.001	0.002				ND		0.001	0.015	0.007	ND	0.003
OW-15								1.21	1.62					removed
OW-16								3.77	7.6					NS
OW-17								10.2	10.5	1.52				NS
SVE-1								2.26	0.475	0.327			0.21	0.12
P-1					0.011		0.02	0.049		ND	0.003	0.002	ND	ND
P-2					BRL		0.009	0.007		ND	0.002	0.002	ND	ND
P-3					BRL			0.008		0.001	0.002	0.002	ND	ND
P-4					0.006			0.004		ND	0.002	0.002	ND	ND
P-5					BRL		0.002	0.003		ND	0.002	0.002	ND	ND
P-6					BRL		0.003	0.01		ND	0.002	0.002	ND	ND
P-7					BRL			0.012		ND	0.006	0.002	ND	ND
P-8					0.177		0.224	0.248		0.27	0.318	0.002	0.205	0.004
P-9					BRL		0.043	0.011		0.004	0.006	0.002	ND	ND
P-9b					BRL		ND	0.008		ND	0.006	0.004	0.003	ND
P-10					BRL		0.001	0.002		ND	0.003	0.004	0.002	ND
P-11					0.083		0.121	0.103		0.065	0.064	0.091	ND	0.058
P-12					0.044		0.02	0.055		0.022	0.018	0.002	ND	0.032
P-13					0.51			0.399		0.453	0.373	0.147	0.4	0.299
P-14					0.117		0.058	0.088		0.114	0.065	0.004	ND	0.105
P-15					NS		0.335	0.634		0.006	0.651	0.006	0.396	0.244
P-16					NS		8.28	0.52		0.176	0.354	0.06	0.345	0.31
P-17					BRL		0.001	0.001		ND	0.002	0.002	ND	ND
P-18					BRL			0.002		ND	0.002	ND	ND	0.019
P-19					BRL			0.002		ND	0.003	ND	ND	ND
equip blank												0.005		ND

SOUTH SPRINT GAS COLLECTION FACILITY

Groundwater Remediation Project

Historical TPH Analysis Results

[illegible]

3-25-97

Paul,

enclosed is a copy of all the data for the last AMOCO sampling event at the South Sprint Facility. Sorry it has taken so long to get this to you. If you have any questions about the enclosed data or the project in general, please don't hesitate to give me a call. My number will stay the same (281) 366-3245.

Good luck w/ Enron,

Mike Grimm

ps My racquetball game is improving!

