From: Michael A. Francis <MFrancis@DDSFFIRM.com>
Sent: Friday, May 01, 2015 7:46 AM
To: Praskins, Wayne
Cc: Berninger, Stephen; Feroeng@aol.com; James C Stull; trsvcs@hotmail.com; Brenda L. Tavera; dwood@wshblaw.com
Subject: FW: Continental Heat Treating Data
Attachments: EPA Format Sampling Details2 elevations.xls; EPA Format Sampling Details3051014 concentrations.xls

Mr. Praskins:

This follows our recent e-mail exchanges re CHT groundwater data. See the below and the attached. Again, I have requested Fero to provide the recent Spring 2015 CHT groundwater data to EPA when it is available and compiled. Thanks.

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From: Feroeng@aol.com [mailto:Feroeng@aol.com]
Sent: Friday, August 15, 2014 2:52 PM
To: Deschambault.Lynda@epa.gov
Cc: jcstull@continentalht.com; Michael A. Francis; trsvcs@hotmail.com; tom.perina@ch2m.com
Subject: Continental Heat Treating Data

Lynda:

Attached are the summarized Continental Heat Treating (ID No 204GW00, SCP No. 1057) data for the recent groundwater monitoring. The well details have not changed, so I did not resend that spreadsheet. Please call with any comments or questions (714) 256-2737. Thanks

Rick

TABLE 1-2
Water Levels
Continental Heat Treat, Santa Fe Springs, California

Location	Measurement Date	Top of Casing Elevation	Depth to Groundwater	Groundwater Elevation	Comments
MW-1	03/29/11	137.07	97.16	39.91	
	06/15/11		94.50	42.57	
	09/20/11		91.81	45.26	
	12/23/11	137.08	90.13	46.95	resurveyed: possible construction damage
	05/03/12		88.46	48.62	
	08/10/12		88.71	48.37	
	11/16/12		90.28	46.80	
	05/02/13		92.56	44.52	
	10/10/13		96.24	40.84	
	05/07/14		100.72	36.36	
MW-2	03/29/11	137.43	96.45	40.98	
	06/15/11		93.74	43.69	
	09/20/11		91.06	46.37	
	12/23/11	138.04	90.05	47.99	resurveyed: possible construction damage
	05/03/12		88.43	49.61	
	08/10/12		88.65	49.39	
	11/16/12		90.13	47.91	
	05/02/13		92.48	45.56	
	10/10/13		96.09	41.95	
	05/07/14		100.45	37.59	
MW-3	03/29/11	137.71	96.42	41.29	
	06/15/11		93.94	43.77	
	09/20/11		91.12	46.59	
	12/23/11	137.03	89.43	47.60	resurveyed: possible construction damage
	05/03/12		87.69	49.34	
	08/10/12		87.80	49.23	
	11/16/12		89.16	47.87	
	05/02/13		91.41	45.62	
	10/10/13		94.84	42.19	
	05/07/14		99.58	37.45	
MW-4	12/23/11	137.55	89.43	48.12	
	05/03/12		87.69	49.86	
	08/10/12		86.37	51.18	
	11/16/12		89.25	48.30	
	05/02/13		91.47	46.08	
	10/10/13		94.81	42.74	
	05/07/14		99.56	37.99	
MM-5D	08/10/12	137.54	88.79	48.75	
	11/16/12		90.26	47.28	
	05/02/13		92.51	45.03	
	10/10/13		96.12	41.42	
	05/07/14		100.72	36.82	
MW-5M	08/10/12	137.37	89.49	47.88	
	11/16/12		91.00	46.37	
	05/02/13		93.24	44.13	
	10/10/13		96.92	40.45	
	05/07/14		101.51	35.86	
MW-5S	08/10/12	137.49	88.85	48.64	
	11/16/12		90.23	47.26	
	05/02/13		92.46	45.03	
	10/10/13		95.97	41.52	
	05/07/14		100.38	37.11	
MW-6D	08/10/12	138.01	87.26	50.75	
	11/16/12		88.78	49.23	
	05/02/13		91.07	46.94	
	10/10/13		94.74	43.27	
	05/07/14		99.45	38.56	
MW-6M	08/10/12	137.95	88.08	49.87	
	11/16/12		89.68	48.27	
	05/02/13		91.95	46.00	
	10/10/13		95.56	42.39	
	05/07/14		100.21	37.74	
MW-6S	08/10/12	137.84	88.41	49.43	
	11/16/12		89.89	47.95	
	05/02/13		92.21	45.63	
	10/10/13		95.84	42.00	

Location	Measurement Date	Top of Casing Elevation	Depth to Groundwater	Groundwater Elevation	Comments
	05/07/14		100.38	37.46	

Notes:
Depth to groundwater in feet below top of casing
Groundwater elevation in feet relative to mean sea level
NG = Not gauged

Location	Sample ID	Parent Sample	Sample Type	Sample Date	Sample Time	Matrix	Sample Top Depth	Sample Bottom Depth	Lab	Analytical Method	Prep Method	Leached Method	Basis/Filtered	SDG	Lab SampleID	Dilution	Lab Lot	Analyzed Date	Analyzed Time	Prep Date	Prep Time	Leached Date	Cas	Parameter	Result	Qualifier	MDL	RL	Units	Comments
MW-1			N	5/10/2014	12:16	Groundwater			Enviro-Chem, Ir	SW8260B	SW5030B		T		140512-15	5		5/13/2014		5/13/2014			67-66-3	Chloroform	5.66		0.25	0.50	ug/L	
																							75-34-3	-Dichloroetha	9.6		0.25	0.5	ug/L	
																							156-59-2	,2-Dichloroeth	32.7		0.25	0.5	ug/L	
																							156-50-5	1,2-Dichloroe	4.4		0.25	0.5	ug/L	
																							107-06-2	-Dichloroetha	ND		0.25	0.5	ug/L	
																							75-35-4	-Dichloroethe	86.3		0.25	0.5	ug/L	
																							127-18-4	trachloroethe	129		0.25	0.5	ug/L	
																							79-01-6	richloroethen	110		0.25	0.5	ug/L	
																							75-69-4	lorofluoromet	3.92		0.25	0.5	ug/L	
																							76-13-1	Freon-113	21.5		0.25	0.5	ug/L	
																							75-01-4	Vinyl Chloride	ND		0.25	0.5	ug/L	
MW-2			N	5/10/2014	11:.:35	Groundwater			Enviro-Chem, Ir	SW8260B	SW5030B		T		140512-16	1		5/13/2014		5/13/2014			67-66-3	Chloroform	10.1		0.25	0.50	ug/L	
																							75-34-3	-Dichloroetha	10.8		0.25	0.5	ug/L	
																							156-59-2	,2-Dichloroeth	29.9		0.25	0.5	ug/L	
																							156-50-5	1,2-Dichloroe	ND		0.25	0.5	ug/L	
																							107-06-2	-Dichloroetha	ND		0.25	0.5	ug/L	
																							75-35-4	-Dichloroethe	94.9		0.25	0.5	ug/L	
																							127-18-4	trachloroethe	160		0.25	0.5	ug/L	
																							79-01-6	richloroethen	114		0.25	0.5	ug/L	
																							75-69-4	lorofluoromet	15.2		0.25	0.5	ug/L	
																							76-13-1	Freon-113	37		0.25	0.5	ug/L	
																							75-01-4	Vinyl Chloride	ND		0.25	0.5	ug/L	
MW-3			N	5/10/2014	11:03	Groundwater			Enviro-Chem, Ir	SW8260B	SW5030B		T		140512-17	1		5/13/2014		5/13/2014			67-66-3	Chloroform	3.74		0.25	0.50	ug/L	
																							13-598-8	c-Butylbenze	ND		0.25	0.50	ug/L	
																							75-34-3	-Dichloroetha	5.27		0.25	0.5	ug/L	
																							156-59-2	,2-Dichloroeth	28.4		0.25	0.5	ug/L	
																							156-50-5	1,2-Dichloroe	4.47		0.25	0.5	ug/L	
																							107-06-2	-Dichloroetha	ND		0.25	0.5	ug/L	
																							75-35-4	-Dichloroethe	53.8		0.25	0.5	ug/L	
																							98-82-8	opropylbenze	ND		0.25	0.5	ug/L	
																							127-18-4	trachloroethe	69.2		0.25	0.5	ug/L	
																							79-01-6	richloroethen	75.5		0.25	0.5	ug/L	
																							75-69-4	lorofluoromet	16.7		0.25	0.5	ug/L	
																							76-13-1	Freon-113	15.1		0.25	0.5	ug/L	
																							75-01-4	Vinyl Chloride	5.48		0.25	0.5	ug/L	
MW-4			N	5/10/2014	12:45	Groundwater			Enviro-Chem, Ir	SW8260B	SW5030B		T		140512-18	1		5/13/2014		5/13/2014			67-66-3	Chloroform	ND		0.25	0.50	ug/L	
																							75-34-3	-Dichloroetha	8.21		0.25	0.5	ug/L	
																							156-59-2	,2-Dichloroeth	349		0.25	0.5	ug/L	
																							156-50-5	1,2-Dichloroe	16.2		0.25	0.5	ug/L	
																							107-06-2	-Dichloroetha	ND		0.25	0.5	ug/L	
																							75-35-4	-Dichloroethe	50		0.25	0.5	ug/L	
																							127-18-4	trachloroethe	28.8		0.25	0.5	ug/L	
																							79-01-6	richloroethen	76.2		0.25	0.5	ug/L	
																							75-69-4	lorofluoromet	ND		0.25	0.5	ug/L	
																							76-13-1	Freon-113	6.45		0.25	0.5	ug/L	
																							75-01-4	Vinyl Chloride	47.4		0.25	0.5	ug/L	
MW-5S			N	5/12/2014	10:04	Groundwater			Enviro-Chem, Ir	SW8260B	SW5030B		T		140512-19	1		5/13/2014		5/13/2014			67-66-3	Chloroform	5.27		0.25	0.50	ug/L	
																							13-598-8	c-Butylbenze	ND		0.25	0.50	ug/L	
																							75-34-3	-Dichloroetha	6.4		0.25	0.5	ug/L	
																							156-59-2	,2-Dichloroeth	30		0.25	0.5	ug/L	
																							156-50-5	1,2-Dichloroe	3		0.25	0.5	ug/L	
																							107-06-2	-Dichloroetha	1.83		0.25	0.5	ug/L	
																							75-35-4	-Dichloroethe	57.9		0.25	0.5	ug/L	
																							127-18-4	trachloroethe	78.3		0.25	0.5	ug/L	
																							79-01-6	richloroethen	71.5		0.25	0.5	ug/L	
																							75-69-4	lorofluoromet	5.1		0.25	0.5	ug/L	
																							76-13-1	Freon-113	15.6		0.25	0.5	ug/L	
																							75-01-4	Vinyl Chloride	4.08		0.25	0.5	ug/L	
MW-5M			N	5/12/2014	11:27	Groundwater			Enviro-Chem, Ir	SW8260B	SW5030B		T		140512-20	1		5/13/2014		5/13/2014			67-66-3	Chloroform	3.37		0.25	0.50	ug/L	
																							75-34-3	-Dichloroetha	8.8		0.25	0.5	ug/L	
																							156-59-2	,2-Dichloroeth	22.1		0.25	0.5	ug/L	
																							156-50-5	1,2-Dichloroe	ND		0.25	0.5	ug/L	
																							107-06-2	-Dichloroetha	ND		0.25	0.5	ug/L	
																							75-35-4	-Dichloroethe	82		0.25	0.5	ug/L	
																							127-18-4	trachloroethe	96.6		0.25	0.5	ug/L	
																							79-01-6	richloroethen	103		0.25	0.5	ug/L	
																							75-69-4	lorofluoromet	3.41		0.25	0.5	ug/L	
																							76-13-1	Freon-113	17.3		0.25	0.5	ug/L	
																							75-01-4	Vinyl Chloride	ND		0.25	0.5	ug/L	
MW-5D			N	5/12/2014	11:03	Groundwater			Enviro-Chem, Ir	SW8260B	SW5030B		T		140512-21	1		5/13/2014		5/13/2014			67-66-3	Chloroform	ND		0.25	0.50	ug/L	
																							75-34-3	-Dichloroetha	7.64		0.25	0.5	ug/L	
																							156-59-2	,2-Dichloroeth	44.9		0.25	0.5	ug/L	
																							156-50-5	1,2-Dichloroe	2.54		0.25	0.5	ug/L	
																							107-06-2	-Dichloroetha	1.29		0.25	0.5	ug/L	
																							75-35-4	-Dichloroethe	90.2		0.25	0.5	ug/L	
																							127-18-4	trachloroethe	2.21		0.25	0.5	ug/L	
																							79-01-6	richloroethen	45.7		0.25	0.5	ug/L	
																							75-69-4	lorofluoromet	ND		0.25	0.5	ug/L	
																							76-13-1	Freon-113	ND		0.25	0.5	ug/L	
																							75-01-4	Vinyl Chloride	ND		0.25	0.5	ug/L	
MW-6S			N	5/12/2014	12:59	Groundwater			Enviro-Chem, Ir	SW8260B	SW5030B		T		140512-22	1		5/13/2014		5/13/2014			67-66-3	Chloroform	2.73		0.25	0.50	ug/L	
																							75-34-3	-Dichloroetha	10.2		0.25	0.5	ug/L	
																							156-59-2	,2-Dichloroeth	117		0.25	0.5	ug/L	
																							156-50-5	1,2-Dichloroe	18.7		0.25	0.5	ug/L	
																							107-06-2	-Dichloroetha	2.31		0.25	0.5	ug/L	
																							75-35-4	-Dichloroethe	69.4		0.25	0.5	ug/L	
																							127-18-4	trachloroethe	68.5		0.25	0.5	ug/L	
																							79-01-6	richloroethen	78.9		0.25	0.5	ug/L	
																							75-69-4	lorofluoromet	4.56		0.25	0.5	ug/L	
																							76-13-1	Freon-113	11		0.25	0.5	ug/L	
																							75-01-4	Vinyl Chloride	10.4		0.25	0.5	ug/L	
MW-6M			N	5/12/2014	12:17	Groundwater			Enviro-Chem, Ir	SW8260B	SW5030B		T		140152-23	1		5/13/2014		5/13/2014			67-66-3	Chloroform	8.68		0.25	0.50	ug/L	
																							75-34-3	-Dichloroetha	10.7		0.25	0.5	ug/L	
																							156-59-2	,2-Dichloroeth	26.6		0.25	0.5	ug/L	
																							156-50-5	1,2-Dichloroe	ND		0.25	0.5	ug/L	
																							107-06-2	-Dichloroetha	ND		0.25	0.5	ug/L	
																							75-35-4	-Dichloroethe	103		0.25	0.5	ug/L	
																							127-18-4	trachloroethe	178		0.25	0.5	ug/L	
																							79-01-6	richloroethen	120		0.25	0.5	ug/L	
																							75-69-4	lorofluoromet	6.96		0.25	0.5	ug/L	
																							76-13-1	Freon-113	29.3		0.25	0.5	ug/L	

Location	Sample ID	Parent Sample	Sample Type	Sample Date	Sample Time	Matrix	Sample Top Depth	Sample Bottom Depth	Lab	Analytical Method	Prep Method	Leached Method	Basis/Filtered	SDG	Lab SampleID	Dilution	Lab Lot	Analyzed Date	Analyzed Time	Prep Date	Prep Time	Leached Date	Cas	Parameter	Result	Qualifier	MDL	RL	Units	Comments
																							75-01-4	Vinyl Chloride	ND		0.25	0.5	ug/L	
MW-6D			N	5/12/2014	12:41	Groundwater			Enviro-Chem, In	SW8260B	SW5030B		T		140152-24	1		5/13/2014		5/13/2014			67-66-3	Chloroform	ND		0.25	0.50	ug/L	
																							75-34-3	-Dichloroetha	11.5		0.25	0.5	ug/L	
																							156-59-2	,2-Dichloroeth	61.6		0.25	0.5	ug/L	
																							156-50-5	1,2-Dichloroe	0.76		0.25	0.5	ug/L	
																							107-06-2	-Dichloroetha	2.77		0.25	0.5	ug/L	
																							75-35-4	-Dichloroethe	173		0.25	0.5	ug/L	
																							127-18-4	trachloroethe	8.32		0.25	0.5	ug/L	
																							79-01-6	richloroethen	149		0.25	0.5	ug/L	
																							75-69-4	lorofluoromet	ND		0.25	0.5	ug/L	
																							76-13-1	Freon-113	ND		0.25	0.5	ug/L	
																							75-01-4	Vinyl Chloride	ND		0.25	0.5	ug/L	

FieldName	Field Description
Location	Location Name used in tables and maps
Sample ID	Sample ID used on Chain of custory
Parent Sample	SampleID of the primary sample
Sample Type	N = primary sample, FD - field duplicate, QC - Lab QC sample or blanks.
Sample Date	Sample Collection Date
Sample Time	Sample Collection Time
Matrix	Sample Matrix: Groundwater, Surfacewater, Soil Gas etc
Sample Top Depth	Sample Top depth in feet below ground surface
Sample Bottom Depth	Sample Bottom Depth in feet below ground surface
Lab	The laboratory performing the work
Analytical Method	Analytical method that was performed on the sample.
Prep Method	Preparation method code
Leached Method	Analytical method used for leaching the sample
Basis/Filtered	Weight basis for soil (or solid) sample analysis, Total or Dissolved for water analysis, D for dry-weight basis, W for wet-weight basis, F for Filtered, T for Total
SDG	Sample delivery group designation
Lab SampleID	Laboratory sample ID
Dilution	Numeric expression of the amount of dilution required to bring the analyte concentration in the sample into analysis range
Lab Lot	Identifier of group of samples and associated QC samples prepared together.
Analyzed Date	Date of sample analysis
Analyzed Time	Time of sample analysis
Prep Date	Date of sample preparation (extraction or digestion).
Prep Time	Time of sample preparation
Leached Date	Date that the leaching method was performed
Cas	CAS number of analyte, if available.
Parameter	Name of analyte, chemical name.
Result	Result of the analysis.
Qualifier	Final qualifier code after validation or if not validated, laboratory qualifier : U/Nondetect, J/ Estimate, R/Rejected etc
MDL	Minimum detection limit adjusted for preparation and dilution
RL	Reporting limit adjusted for preparation and dilution
Units	Units of Result
Comments	Any notes/comments about the result