

Attachment 12

Laboratory Data Sheet and Field Data Log for MW-4, February 2007

Closed Collinsville Landfill, Collinsville, IL.

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

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LABORATORY RESULTS

Client: Tetra Tech, Inc.
 WorkOrder: 07020688
 Lab ID: 07020688-003
 Report Date: 07-Mar-07

Client Project: Collinsville Landfill Quarterly Monitoring
 Client Sample ID: MW-04
 Collection Date: 2/23/2007 2:15:00 PM
 Matrix: GROUNDWATER

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>EPA 600 350.1 (DISSOLVED)</u>								
Nitrogen, Ammonia (as N)	NELAP	0.10		0.22	mg/L	1	2/28/2007	MVS
<u>STANDARD METHODS 18TH ED. 2540 C (DISSOLVED)</u>								
Total Dissolved Solids	NELAP	10		916	mg/L	1	2/28/2007	JMT
<u>STANDARD METHODS 18TH ED. 2540 C (TOTAL)</u>								
Total Dissolved Solids	NELAP	10		920	mg/L	1	2/28/2007	JMT
<u>STANDARD METHODS 18TH ED. 4500-S D (TOTAL)</u>								
Sulfide, Total - Colorimetric	NELAP	0.05	S	0.11	mg/L	1	2/26/2007 12:20:00 PM	TLS
<u>SW-846 9012A (TOTAL)</u>								
Cyanide	NELAP	0.100		< 0.100	mg/L	1	2/26/2007	TLS
<u>SW-846 3005A, 6010B, METALS BY ICP (DISSOLVED)</u>								
Cadmium	NELAP	2.0		< 2.0	µg/L	1	2/28/2007 10:02:10 AM	CRK
Iron	NELAP	200		11300	µg/L	5	2/28/2007 10:00:27 AM	CRK
Manganese	NELAP	75.0		20000	µg/L	5	3/1/2007 1:49:11 PM	CRK
<u>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</u>								
Barium	NELAP	20.0		376	µg/L	1	3/1/2007 2:52:44 PM	JMW
Iron	NELAP	400		15500	µg/L	10	3/2/2007 10:31:46 AM	CRK
Manganese	NELAP	15.0		20600	µg/L	1	3/1/2007 2:52:44 PM	JMW
<u>SW-846 3005A, METALS BY GFAA (DISSOLVED)</u>								
Arsenic 7060A	NELAP	3.0		9.6	µg/L	1	3/1/2007	JMW
Lead 7421	NELAP	5.0		12.8	µg/L	1	2/28/2007	SRH
<u>SW-846 3020A, METALS BY GFAA (TOTAL)</u>								
Arsenic 7060A	NELAP	3.0		11.4	µg/L	1	2/26/2007	SRH
Thallium 7841	NELAP	1.0		< 1.0	µg/L	1	2/26/2007	JMW
<u>SW-846 3510C, 8151A, CHLORINATED HERBICIDES BY GC/ECD</u>								
Picloram	NELAP	0.200		ND	µg/L	1	2/27/2007 4:24:00 AM	HE
Surr: 2,4-Dichlorophenylacetic acid		33.7-162		79.9	%REC	1	2/27/2007 4:24:00 AM	HE
<u>SW-846 7470A (DISSOLVED)</u>								
Mercury	NELAP	0.20		< 0.20	µg/L	1	2/27/2007	JMW
<u>SW-846 9020B</u>								
Total Organic Halides (TOX)	NELAP	20.0		38.0	µg/L	1	2/28/2007	SMK
<u>SW-846 9036 (DISSOLVED)</u>								
Sulfate	NELAP	40		77	mg/L	1	3/1/2007	MVS
<u>SW-846 9036 (TOTAL)</u>								
Sulfate	NELAP	40		79	mg/L	1	3/1/2007	MVS
<u>SW-846 9060</u>								
Total Organic Carbon (TOC)	NELAP	1.0		4.8	mg/L	1	2/26/2007	MVS
<u>SW-846 9066 (TOTAL)</u>								

**GROUNDWATER MONITORING WELL
FIELD DATA LOG SHEET - PURGING**



TETRA TECH, INC.
1634 Eastport Plaza
Collinsville, IL 62234
Telephone (618) 345-0669
FAX (618) 345-1281

Date: 2/23/07

Program Name: Groundwater Assessment
Site Name: Closed Collinsville Landfill
Monitoring Well Identification: MW4
Sample Number: 1415
Sample Time: 1415
Type of Water Level Instrument: Water Meter

Purging Device: Peristaltic Pump

Sampling Device: "
OVA: PID In Well Caging (ppm): "
Explosimeter (%LEL) in Well Casing: "
Turbidity of Sample Increased During Sampling: Yes No
Total Well Depth: 25.27
Sampler's Signature: DS/EW

Time	Salinity (ppt)	Dissolved Oxygen (mg/L)	Temp (Deg. C)	Conductivity (mS/cm)	pH	Turbidity (NTU)	ORP (mV)	Gallons Purged	Water Level (ft)	Flow Rate (ml/min)
1313	0.77	-1.79	12.16	1.140	6.90	69	109.1	0.2	9.35	
1318	0.77	-1.96	11.87	1.143	6.61	73	105.2	0.6	9.35	
1323	0.77	-1.74	11.84	1.143	6.55	129	108.8	1.0	9.34	
1328	0.78	-2.37	12.10	1.161	6.50	162	103.9	1.4	9.35	
1333	0.78	-2.28	12.34	1.162	6.48	158	105.5	1.8	9.35	
1338	0.78	-2.16	12.20	1.165	6.47	131	106.1	2.2	9.38	
1343	0.78	-2.49	12.46	1.174	6.46	106	110.1	2.6	9.40	
1348	0.78	-2.25	12.47	1.178	6.46	84	109.6	3.0	9.40	
1353	0.78	-2.72	12.57	1.181	6.46	66	110.0	3.4	9.40	
1358	0.78	-2.39	12.53	1.180	6.46	57	109.8	3.8	9.40	
1403	0.78	-2.17	12.44	1.181	6.46	51	109.2	4.2	9.40	
1408	0.78	-2.53	12.48	1.181	6.46	38	107.3	4.6	9.41	
1413	0.79	-2.29	12.51	1.183	6.47	34	104.5	5.0	9.42	

Comments:

Took parameters every 5 minutes until stabilized and low turbidity
Water has trashy odor/Clear
1 HR Time Limit Reached

Note: All immiscible layers, water levels, and pump depths are measured from the notch in the top of the well casing.