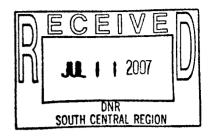
ENVIRONMENTAL SAMPLING CORPORATION

Dedicated to Environmental Monitoring, Science & Technology

July 10, 2007

Mr. Harlan Kuehling, P.G. Wisconsin Department of Natural Resources 3911 Fish Hatchery Road Fitchburg, WI 53711



Re: Refuse Hideaway Landfill – Middleton, WI (License #01953)

May 2007 Laboratory Analytical Results

Dear Mr. Kuehling:

Enclosed please find the diskette and exceedance summary for the groundwater and private well monitoring conducted at the Refuse Hideaway Landfill (RHL) in May 2007. A copy of the laboratory analytical data was sent to you vial e-mail on July 10, 2007.

In accordance with the Scope of Work for Groundwater Sampling at RHL, revised March 2007, Environmental Sampling Corporation (ESC) staff was on site May 22-24, 2007 to collect samples from 45 groundwater monitoring wells and eight private wells. ESC staff also collected groundwater elevation measurements from an additional 16 groundwater monitoring wells. One groundwater monitoring well, P-17S, contained 0.1 gallon of water during the May 2007 event. This low volume of water was not sufficient to collect a representative sample from the well. All other groundwater monitoring wells and private water supply wells discussed above were sampled during the May 2007 monitoring event.

The groundwater and drinking water samples collected were packed on ice and shipped to CT Laboratories (WI cert. #157066030). In accordance with ESC's QA/QC procedures, trip blanks, duplicate samples, and a field blank were included with the shipments.

NR140 Exceedances

Laboratory analytical results were compared to the WDNR Ch. NR140 Preventive Action Limits (PAL) and Enforcement Standards (ES). Twenty-seven of the 45 groundwater monitoring wells had one or more VOC concentration detected above NR140 standards in the samples collected during the May 2007 event. Of these 27 wells, 14 groundwater well samples had VOC concentrations detected in excess of the ES. NR140 exceedances are listed in the attached exceedance summary table and are discussed below.

- Benzene was detected in excess of the PAL in the samples collected from P-9D and P-16D. These wells are located downgradient of the facility and are in close proximity to the limits of waste. The benzene detections are consistent with recent analytical data.
- Concentrations of chloromethane in excess of the PAL were detected in the samples collected from monitoring wells P-8D, P-9D, P-16D, P-21S, and P-24E. These concentrations reported were all between the LOD and LOQ and are estimated

Main Office: P.O. Box 12 • Muskego, WI 53150-0012 • (414) 427-5033 • FAX (414) 427-5034

concentrations not confirmed by the laboratory. These estimated concentrations are not considered exceedances under NR140 and have been flagged as such on the attached exceedance summary. Chloromethane has not consistently been detected in the samples collected from these wells. Chloromethane was not detected in the samples collected from any other wells during the May 2007 monitoring event.

- 1,2-dichloropropane was detected in excess of the PAL in the samples collected from P-9D and P-16D. The concentration detected in the sample collected from P-16D was an estimated concentration between the LOD and LOQ and is not considered an exceedance under NR140 standards. The 1,2-dichloropropane detection at P-16D has been flagged on the exceedance report. The concentrations in the samples collected from P-9D and P-16D are similar to recent analytical data.
- Tetrahydrofuran was detected in excess of the PAL in the sample collected from P-16D and in excess of the ES in the sample collected from P-9D. Concentrations of tetrahydrofuran in these downgradient wells are slightly higher than recent historic data. Tetrahydrofuran was not detected in the samples collected from any of the other monitoring wells sampled during May 2007.
- Concentrations of tetrachloroethene in excess of the PAL were detected in samples collected from 14 monitoring wells in May 2007 (P-8S, P-9S, P-20SR, P-22S, P-22D, P-23S, P-23D, P-25BR, P-25D, P-26D, P-28S, P-29S, P-40D, and P-40I). The tetrachloroethene concentrations detected in the samples collected from P-8S, P-9S, P-23D, P-25D, P-29S, and P-40D were estimated concentrations at or below the LOQ and were flagged as such on the exceedance summary. Concentrations of tetrachloroethene in excess of the ES were detected in the samples collected from an additional six monitoring wells (P-18S, P-26S, P-27D, P-27S, P-31IA, and P-31IB). Detections of tetrachloroethene are widespread at the facility and are similar to historic data. Groundwater samples with the highest concentrations of tetrachloroethene are closest in proximity to the closed, unlined facility.
- Trichloroethene concentrations exceeded the PAL in the samples collected from 11 groundwater monitoring wells (P-9D, P-16D, P-18S, P-22S, P-22D, P-25D, P-26S, P-27S, P-31IA, P-31IB, and P-40I) and exceeded the ES in the sample collected from P-27D. Concentrations are similar to recent analytical data and are highest in concentration in the wells located around the facility.
- Concentrations of vinyl chloride were detected in excess of the NR140 ES in the samples collected from eight groundwater monitoring wells (P-9D, P-16D, P-21D, P-24D, P-24E, P-25D, P-26D, and P-26S) sampled in May 2007. The concentrations of vinyl chloride in the samples collected from P-9D, P-16D, and P-26D were detected between the LOD and LOQ which cannot be confirmed by the laboratory and should be considered estimates. These detections are not considered exceedances under NR140 standards, and have been flagged as such on the attached exceedance summary. The vinyl chloride concentrations are related to landfill gas migration and are highest in concentration at the wells located immediately south of the facility. Gas wells along the perimeter and interior of the landfill should be adjusted to increase the flow (vacuum) applied to the gas wells to minimize landfill gas migration.

Two of the eight private wells sampled for VOCs (PW-Noles and PW-Stoppleworth) had concentrations of tetrachloroethene and trichloroethene detected in excess of NR140 standards. The concentration of trichloroethene at PW-Stoppleworth was between the LOD and LOQ and was flagged on the attached exceedance summary. These private water supply wells currently have water treatment systems installed at the residences; the May 2007 samples were collected prior to the water treatment systems. Additional low-level VOCs detected at these wells were below NR140 standards. No VOCs were detected at the remaining six private wells sampled in May 2007.

Additional Information

Low-level VOCs detected at concentrations less than the NR140 PAL were not discussed above, but are included on the electronic data file submitted with this report. The low-level VOCs were also included on the laboratory analytical report that was sent to you via electronic mail on July 10, 2007. The following 12 groundwater monitoring wells did not contain VOCs at or above the laboratory limit of detection during the May 2007 event: P-25S, P-30I, P-30D, P-31D, P-31S, P-32D, P-32S, P-33D, P-34D, P-41D, P-43I, and P-43S. Additionally, no VOCs were detected from the following six drinking water wells: PW-Bonk, PW-Bula, PW-Sather, PW-Summers, PW-Wheat/Krueger, and PW-Tantrow/Thompson.

Acetone was detected at a concentration between the LOD and LOQ in the QA/QC field blank (FB-01). Acetone was also detected at similar concentrations between the LOD and LOQ in the samples collected from P-8D, P-9D, and P-16D. All concentrations of acetone detected were well below the NR140 PAL and may have been a result of field or laboratory contamination.

Dichloromethane (methylene chloride) was detected at a low level in each of the three QA/QC trip blanks. The dichloromethane detections in the trip blanks were a result of laboratory contamination; no dichloromethane was detected in the groundwater or drinking water samples.

ESC staff repaired several pumps and/or fittings during the May 2007 monitoring event. The repairs conducted during the event as well as the repairs proposed for future events were detailed in the field status report.

Please contact Frank Perugini or me at 414-427-5033 if you have any questions regarding this submittal.

Sincerely,

Environmental Sampling Corporation

Tracy Ipavéc

Sr. Environmental Specialist

Enclosures

cc: Mr. Frank Perugini - ESC

CP006-C:\ESC\City_Private sites\RHL\2007\0507 Groundwater report.doc

REFUSE HIDEAWAY LANDFILL WDNR License #01953 Exceedance Summary - May 2007

Well ID Date F		Parameter	PAL / ES (ug/L)	Result (ug/L)	Exceedance
P-21D (113)	05/23/07	Vinyl Chloride	0.02 / 0.2	2.0	ES
P-8D (114)	05/22/07	Chloromethane +	0.3/3	0.5	PAL +
P-24D (115)	05/22/07	Vinyl Chloride	0.02 / 0.2	2.3	ES
P-24E (116)	05/22/07	Chloromethane +	0.3 / 3.0	0.45	PAL +
	05/22/07	Vinyl Chloride	0.02 / 0.2	1.6	ES
P-25D (118)	05/23/07	Tetrachloroethene +	0.5 / 5	0.98	PAL +
	05/23/07	Trichloroethene	0.5 / 5	2.8	PAL
	05/23/07	Vinyl Chloride	0.02 / 0.2	0.68	ES
P-25BR (119)	05/23/07	^-Tetrachloroethene	0.5 / 5	1.6	PAL
P-26D (120)	05/22/07	Tetrachloroethene	0.5 / 5	1.6	PAL
	05/22/07	Vinyl Chloride +	0.02 / 0.2	0.23	ES+
P-27S (121)	05/22/07	Tetrachloroethene	0.5 / 5	14	ES
	05/22/07	Trichloroethene	0.5 / 5	2.1	PAL
P-27D (122)	05/22/07	Tetrachloroethene	0.5 / 5	39	ES
	05/22/07	Trichloroethene	0.5 / 5	6.1	ES
P-28S (123)	05/25/07	Tetrachloroethene	0.5 / 5	3.6	PAL
P-8S (125)	05/22/07	Tetrachloroethene +	0.5 / 5	0.99	PAL +
P-16D (127)	05/22/07	Benzene	0.5 / 5	2.5	PAL
	05/22/07	Chloromethane +	0.3 / 3	0.55	PAL +
	05/22/07	1,2-Dichloropropane +	0.5 / 5	0.70	PAL +
	05/22/07	Tetrahydrofuran	10 / 50	48	PAL
	05/22/07	Trichloroethene	0.5 / 5	0.80	PAL
	05/22/07	Vinyl Chloride +	0.02 / 0.2	0.36	ES+
P-18S (129)	05/24/07	Tetrachloroethene	0.5 / 5	15	ES
	05/24/07	Trichloroethene	0.5 / 5	2.3	PAL
P-21S (133)	05/23/07	Chloromethane +	0.3/3	0.43	PAL +
P-22S (135)	05/23/07	Tetrachloroethene	0.5 / 5	3.9	PAL
	05/23/07	Trichloroethene	0.5 / 5	1.2	PAL
P-22D (136)	05/23/07	Tetrachloroethene	0.5 / 5	2.1	PAL
	05/23/07	Trichloroethene	0.5 / 5	0.55	PAL
P-23S (137)	05/23/07	Tetrachloroethene	0.5 / 5	1.6	PAL
P-23D (138)	05/23/07	Tetrachloroethene +	0.5 / 5	1.5	PAL +
P-9S (139)	05/22/07	Tetrachloroethene +	0.5 / 5	0.64	PAL +
P-9D (140)	05/23/07	Benzene	0.5 / 5	1.9	PAL
	05/23/07	Chloromethane +	0.3 / 3	0.5	PAL +
	05/23/07	1,2-Dichloropropane	0.5 / 5	1.5	PAL
	05/23/07	Tetrahydrofuran	10 / 50	54	ES
	05/23/07	Trichloroethene	0.5 / 5	0.66	PAL
	05/23/07	Vinyl Chloride +	0.02 / 0.2	0.39	ES+

REFUSE HIDEAWAY LANDFILL WDNR License #01953 Exceedance Summary - May 2007

Well ID (WDNR ID)	Date	Parameter	PAL / ES (ug/L)	Result (ug/L)	Exceedance
P-26S (141)	05/22/07	Tetrachloroethene	0.5 / 5	17.0	ES
	05/22/07	Trichloroethene	0.5 / 5	2.6	PAL
	05/22/07	Vinyl Chloride	0.02 / 0.2	0.91	ES
P-31IA (146)	05/23/07	Tetrachloroethene	0.5 / 5	5.0	ES
	05/23/07	Trichloroethene	0.5 / 5	1.5	PAL
P-31IB (147)	05/23/07	Tetrachloroethene	0.5 / 5	5.2	ES
	05/23/07	Trichloroethene	0.5 / 5	1.6	PAL
P-40D (161)	05/24/07	Tetrachloroethene +	0.5 / 5	0.73	PAL +
P-40I (162)	05/24/07	Tetrachloroethene	0.5 / 5	4.7	PAL
	05/24/07	Trichloroethene	0.5 / 5	1.3	PAL
P-20SR (167)	05/23/07	Tetrachloroethene	0.5 / 5	2.6	PAL
P-29S (168)	05/25/07	Tetrachloroethene +	0.5 / 5	1.3	PAL +
Stoppleworth	05/24/07	Tetrachioroethene	0.5 / 5	3.4	PAL
(311)	05/24/07	Trichloroethene +	0.5 / 5	0.61	PAL +
Noles	05/24/07	Tetrachloroethene	0.5 / 5	5.2	ES
(312)	05/24/07	Trichloroethene	0.5 / 5	2.0	PAL

Notes:

ug/L = micrograms per liter

ES = NR 140 Enforcement Standard

PAL = NR140 Preventive Action Limit

^{+ -} The VOC concentration reported was an estimated concentration between the LOD and LOQ and is not considered an exceedance under NR140 standards.

State of Wisconsin Department of Natural Resources

Environmental Monitoring Data Certification

Form 4400-231(R 1/04)

Notice: Personally identifiable information collected will be used for program administration and enforcement purposes. The Department may also provide this information to requesters as required under Wisconsin's Open Records law, ss. 19.31 to 19.39, Wis. Stats.

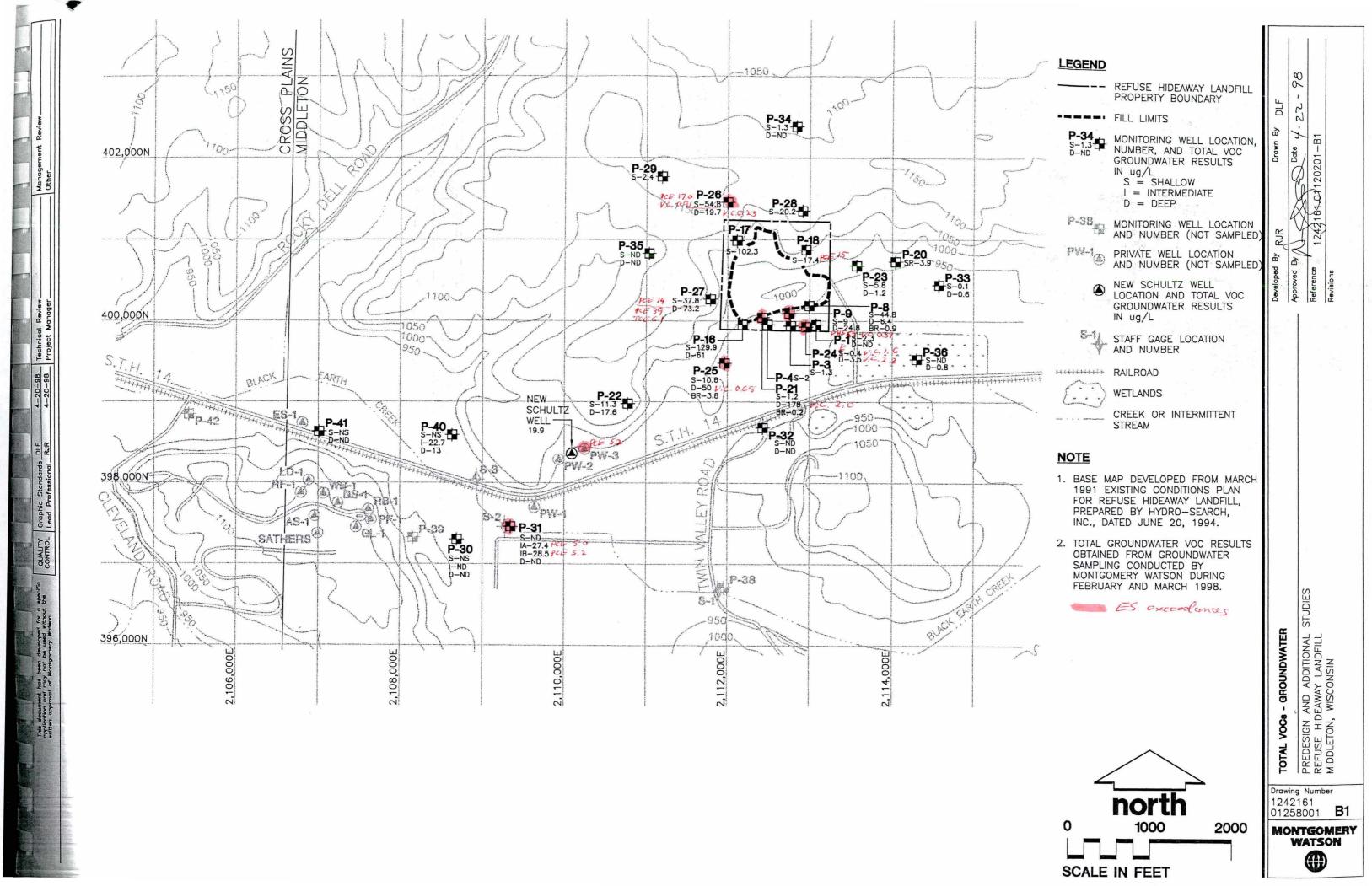
When submitting monitoring data, the owner or operator of the facility, practice or activity is required to notify the Department in writing that a groundwater standard or an explosive gas level has been attained or exceeded, as specified in ss. NR 140.24(1)(a); NR 140.26(1)(a); NR 507.30NR 635.14(9)(a); NR 635.18(20) and NR 507.30, Wis. Adm. Code. Failure to report may result in fines, forfeitures or other penalties resulting from enforcement under ss. 289.97, 291.97 or 299.95, Wis. Stats.

Instructions:

- · Prepare one form for each license or monitoring ID.
- · Please type or print legibly.
- Attach a notification of any values that attain or exceed groundwater standards (that is, preventive action limits, enforcement standards or alternative concentration limits). The notification must include a preliminary analysis of the cause and significance of each value.
- Attach a notification of any gas values that attain or exceed explosive gas levels.
- Send the original signed form, any notification, and Electronic Data Deliverable [EDD] to: GEMS Data Submittal Contact WA/3

GEMS Data Submittal Contact - WA/3 Bureau of Waste Management Wisconsin Department of Natural Resources 101 South Webster Street

	Madison WI 53707-7921
Monitoring Data Submittal Information	
Name of entity submitting data (laboratory, consultant, facility owner)):
Environmental Sampling Corporation	
Monitoring Data Submittal Information Name of entity submitting data (laboratory, consultant, facility owner): Environmental Sampling Corporation Contact for questions about data formatting. Include data preparer's name, telephone number and E-mail address: Name: Pat Letterer (CT Laboratories) Phone: (608) 356-2760 E-mail: pletterer@ctlaboratories.com	
E-mail: pletterer@ctlaboratories.com	
Facility name: License # / Monitor	ing ID Facility ID [FID] Actual sampling dates (e.g., July 2-6, 2003)
Refuse Hideaway Landfill 01953	113112010 May 22-25, 2007
The enclosed results are for sampling required in the month(s) of: (e	g., June 2003)
May 2007	
Groundwater monitoring data from monitoring wells Groundwater monitoring data from private water supply wells Leachate monitoring d ata Notification attached? No. No groundwater standards or explosive gas limits were exc Yes, a notification of values exceeding a groundwater standard	Air monitoring data Other (specify) ceeded is attached. It includes a list of monitoring points, dates, sample values,
Yes, a notification of values exceeding an explosive gas limit is	
Certification	
are true and correct. Furthermore, I have attached comp groundwater standards or explosive gas levels, and a pro- concentrations exceeding groundwater standards. Tracy_Ipavec Sr. E	lete notification of any sampling values meeting or exceeding eliminary analysis of the cause and significance of
Facility Representative Name (Print) Title Signature	(Area Code) Telephone No.
FOR DNR USE ONLY. Check action taken, and record	d date and your initials. Describe on back side if necessary.
Found uploading problems on	Initials
Notified contact of problems on	Uploaded data successfully on
EDD format(s): Diskette CD (initial submittal ar	nd follow-up)



ENVIRONMENTAL SAMPLING CORPORATION

Dedicated to Environmental Monitoring, Science & Technology

February 8, 2008

with the

Mr. Harlan Kuehling, P.G. Wisconsin Department of Natural Resources 3911 Fish Hatchery Road Fitchburg, WI 53711

Re: Refuse Hideaway Landfill – Middleton, WI (License #01953) November 2007 Laboratory Analytical Results

Dear Mr. Kuehling:

Enclosed please find the diskette, exceedance summary, and data certification page for the groundwater and private well monitoring conducted at the Refuse Hideaway Landfill (RHL) in November 2007. A copy of the laboratory analytical data was also sent to you via e-mail on February 8, 2008.

In accordance with the Scope of Work for Groundwater Sampling at RHL, revised March 2007, Environmental Sampling Corporation (ESC) staff was on site November 5-7, 2007 to collect samples from 23 groundwater monitoring wells and nine private wells. ESC staff also collected groundwater elevation measurements from an additional 38 groundwater monitoring wells. One groundwater monitoring well, P-17S, contained 0.3 gallons of water during the November 2007 event. This low volume of water was not sufficient to collect a representative sample from the well. All other groundwater monitoring wells and private water supply wells discussed above were sampled during the November 2007 monitoring event in accordance with the Scope of Work.

The groundwater and drinking water samples collected were packed on ice and shipped to CT Laboratories (WI cert. #157066030). In accordance with ESC's QA/QC procedures, trip blanks, duplicate samples, and a field blank were included with the shipments.

NR140 Exceedances

Laboratory analytical results were compared to the WDNR Ch. NR140 Preventive Action Limits (PAL) and Enforcement Standards (ES). Fifteen of the 23 groundwater monitoring wells had one or more VOC concentration detected above NR140 standards in the samples collected during the November 2007 event. Of these 15 wells, nine groundwater well samples had one or more VOC concentration detected in excess of the ES. NR140 exceedances are listed in the attached exceedance summary table and are discussed below.

Concentrations of tetrachloroethene in excess of the ES were detected in the samples collected from eight monitoring wells in November 2007 (P-18S, P-22E, P-26S, P-27D, P-27S, P-31IA, P-31IB, and P-40I). Concentrations of tetrachloroethene in excess of the PAL were detected in samples collected from five monitoring wells (P-20SR, P-22D, P-22S, P-23S, and P-25BR). Samples collected from two additional wells (P-23D and P-

Main Office: P.O. Box 12 • Muskego, WI 53150-0012 • (414) 427-5033 • FAX (414) 427-5034

25D) had concentrations of tetrachloroethene detected above the PAL but below the laboratory limit of quantitation (LOQ). These are estimated concentrations not considered exceedances in accordance with NR140.14(3)(c) and are not included on the attached exceedance table. Detections of tetrachloroethene are widespread at the facility and are similar to historic data. Groundwater samples with the highest concentrations of tetrachloroethene are closest in proximity to the closed, unlined facility.

- Trichloroethene concentrations exceeded the PAL in the samples collected from 11 groundwater monitoring wells (P-18S, P-22D, P-22E, P-22S, P-25D, P-26S, P-27D, P-27S, P-31IA, P-31IB, and P-40I). Concentrations of trichloroethene did not exceed the ES in any of the groundwater samples collected in November 2007. Concentrations are similar to or slightly reduced from recent analytical data. The highest trichloroethene concentrations are detected in the samples collected from the wells closely surrounding the facility.
- Vinyl chloride was detected in excess of the NR140 ES in the sample collected from groundwater monitoring well P-26S. This concentration was similar to recent historic data and reduced from vinyl chloride concentrations detected prior to 2002. Vinyl chloride was not detected at concentrations above the laboratory LOQ in the samples collected from the remaining 21 samples collected in November 2007. Vinyl chloride was detected at a concentration above the ES but below the LOQ in the sample collected from P-25D. In accordance with NR140.14(3)(c), this estimated concentration is not considered an exceedance and is not included on the attached exceedance summary. The vinyl chloride concentrations are related to landfill gas migration from the facility. In general, vinyl chloride detections have been reducing over time in both frequency and concentration.
- Two of the nine private wells sampled for VOCs (PW-Noles and PW-Stoppleworth) had concentrations of tetrachloroethene and trichloroethene detected in excess of NR140 standards. The concentration of trichloroethene at PW-Stoppleworth was below the LOQ and was not included on the attached exceedance summary. This estimated concentration is not considered an exceedance in accordance with NR140.14(3)(c). These two private water supply wells currently have water treatment systems installed at the residences; the November 2007 samples were collected prior to the water treatment systems. Additional low-level VOCs detected at these wells were below NR140 standards. No VOCs were detected at the remaining seven private wells sampled in November 2007.

Additional Information

Low-level VOCs detected at concentrations less than the NR140 PAL were not discussed above, but are included on the electronic data file submitted with this report. The low-level VOCs were also included on the laboratory analytical report that was sent to you via electronic mail. The following six groundwater monitoring wells did not contain VOCs at or above the laboratory limit of detection during the November 2007 event: P-30D, P-30I, P-31D, P-43D, P-43I, and P-43S. Additionally, no VOCs were detected from the following seven drinking water wells: PW-Durand, PW-Matush, PW-Rounds, PW-Sather, PW-Sommers, PW-Wagner, and PW-Weber.

Chloroform was detected at a concentration between the LOD and LOQ in the QA/QC field blank (FB-01). Methylene chloride was detected between the LOD and LOQ in one of the QA/QC trip blank samples associated with the November 2007 event. Neither chloroform nor methylene chloride was detected in any of the groundwater or private well samples collected during the November 2007 event.

ESC staff repaired several pumps and/or fittings during the November 2007 monitoring event. The repairs conducted during the event as well as the repairs proposed for future events were detailed in the field status report and subsequent bid proposal.

Please contact Frank Perugini or me at 414-427-5033 if you have any questions regarding this submittal.

Sincerely,

Environmental Sampling Corporation

Tracy Ipavec

Sr. Environmental Specialist

Enclosures

cc: Mr. Frank Perugini - ESC

State of Wisconsin Department of Natural Resources

Environmental Monitoring Data Certification

Form 4400-231(R 1/04)

Notice: Personally identifiable information collected will be used for program administration and enforcement purposes. The Department may also provide this information to requesters as required under Wisconsin's Open Records law, ss. 19.31 to 19.39, Wis. Stats. When submitting monitoring data, the owner or operator of the facility, practice or activity is required to notify the Department in writing that a groundwater standard or an explosive gas level has been attained or exceeded, as specified in ss. NR 140.24(1)(a); NR 140.26(1)(a); NR 507.30NR 635.14(9)(a); NR 635.18(20) and NR 507.30, Wis. Adm. Code. Failure to report may result in fines, forfeitures or other penalties resulting from enforcement under ss. 289.97, 291.97 or 299.95, Wis. Stats. uplowled to GEMS on 02/13/2008 by Mile

Instructions:

Prepare one form for each license or monitoring ID.

Please type or print legibly.

Attach a notification of any values that attain or exceed groundwater standards (that is, preventive action limits, enforcement standards or alternative concentration limits). The notification must include a preliminary analysis of the cause and significance of each value.

Attach a notification of any gas values that attain or exceed explosive gas levels.

Send the original signed form, any notification, and Electronic Data Deliverable [EDD] to: GEMS Data Submittal Contact - WA/3

Bureau of Waste Management Wisconsin Department of Natural Resources

			Madison WI 53707-7921
Monitoring Data Submittal Inform	ation		
Name of entity submitting data (laboratory, c Environmental Sampling Corp			
Contact for questions about data formatting. Name: Tracy Ipavec		e, telephone number a hone: (414) 42	
E-mail: escstaff@yahoo.com			
Facility name:	License # / Monitoring ID	Facility ID [FID]	Actual sampling dates (e.g., July 2-6, 2003)
Refuse Hideaway Landfill	01953	113112010	November 5-7, 2007
The enclosed results are for sampling require November 2007	ed in the month(s) of: (e.g., Ju	ne 2003)	
Type of Data Submitted (Check all that apply Groundwater monitoring data from mon Groundwater monitoring data from priva Leachate monitoring data	toring wells	Gas monitoring Air monitoring Other (specify	g data
groundwater standard and preliminary a	a groundwater standard is attac nalysis of the cause and signif	ched. It includes a lis icance of any concen	at of monitoring points, dates, sample values, stration. onitoring points, dates, sample values and
Certification			
To the best of my knowledge, the info are true and correct. Furthermore, I is groundwater standards or explosive concentrations exceeding groundwate Tracy Ipavec	nave attached complete n gas levels, and a prelimin er standards.	otification of any	sampling values meeting or exceeding e cause and significance of
Facility Representative Name (Print)	Title	,	(Area Code) Telephone No.
Macos Daylee	02/0	8/18	
Signature	Date	700	
FOR DNR USE ONLY. Check a	ction taken, and record date	and your initials. D	escribe on back side if necessary.
Found uploading problems			
☐ Notified contact of problem	ns on	Uploaded data su	ccessfully on
EDD format(s): Diskette	CD (initial submittal and follo	ow-up) 🔲 E-mail (i	follow-up only) Other

REFUSE HIDEAWAY LANDFILL WDNR License #01953 Exceedance Summary - November 2007

Well ID (WDNR ID)	Date	P-Code	Parameter	PAL / ES (ug/L)	Result (ug/L)	Exceedance
P-25D (118)	11/07/07	39180	Trichloroethene	0.5 / 5	2.0	PAL
P-25BR (119)	11/07/07	34475	Tetrachloroethene	0.5 / 5	1.5	PAL
P-27S (121)	11/05/07	34475	Tetrachloroethene	0.5 / 5	11	ES
	11/05/07	39180	Trichloroethene	0.5 / 5	1.4	PAL
P-27D (122)	11/05/07	34475	Tetrachloroethene	0.5 / 5	36	ES
	11/05/07	39180	Trichloroethene	0.5 / 5	4.7	PAL
P-18S (129)	11/07/07	34475	Tetrachloroethene	0.5 / 5	12	ES
	11/07/07	39180	Trichloroethene	0.5 / 5	1.8	PAL
P-22S (135)	11/06/07	34475	Tetrachloroethene	0.5 / 5	3.9	PAL
	11/06/07	39180	Trichloroethene	0.5 / 5	1.0	PAL
P-22D (136)	11/06/07	34475	Tetrachloroethene	0.5 / 5	2.6	PAL
	11/06/07	39180	Trichloroethene	0.5 / 5	0.59	PAL
P-23S (137)	11/06/07	34475	Tetrachloroethene	0.5 / 5	3.2	PAL
P-26S (141)	11/06/07	34475	Tetrachloroethene	0.5 / 5	13	ES
	11/06/07	39180	Trichloroethene	0.5 / 5	1.9	PAL
	11/06/07	39175	Vinyl Chloride	0.02 / 0.2	0.73	ES
P-31IA (146)	11/06/07	34475	Tetrachloroethene	0.5 / 5	6.3	ES
	11/06/07	39180	Trichloroethene	0.5 / 5	1.6	PAL
P-31IB (147)	11/06/07	34475	Tetrachloroethene	0.5 / 5	5.9	ES
	11/06/07	39180	Trichloroethene	0.5 / 5	1.5	PAL
P-40I (162)	11/06/07	34475	Tetrachloroethene	0.5 / 5	7.0	ES
	11/06/07	39180	Trichloroethene	0.5 / 5	1.6	PAL
P-20SR (167)	11/06/07	34475	Tetrachloroethene	0.5 / 5	2.5	PAL
P-22E (174)	11/06/07	34475	Tetrachloroethene	0.5 / 5	6.9	ES
	11/06/07	39180	Trichloroethene	0.5 / 5	1.4	PAL
Stoppleworth (311)	11/06/07	34475	Tetrachloroethene	0.5 / 5	3.1	PAL
Noles (312)	11/06/07	34475	Tetrachloroethene	0.5 / 5	5.7	ES
	11/06/07	39180	Trichloroethene	0.5 / 5	1.9	PAL

Notes:

ug/L = micrograms per liter

ES = NR 140 Enforcement Standard

PAL = NR140 Preventive Action Limit

The VOC concentrations detected above NR140 standards but below the laboratory limit of quantitation are not considered exceedances under NR140 standards and have not been included in the exceedance summary.

Environmental Sampling Corp. (ESC) Field Status Report – November 2007



WDNR / Refuse Hideaway Landfill Middleton, Wisconsin

Page 1 of 1

Task	Sampling Period / Date	Sample Type / Description
I	11/05/07 - 11/07/07	Groundwater Monitoring Wells
II	11/6/07	Residential Wells
III	11/5/07 - 11/07/07	Ground Water Elevations
IV	11/07/07	Reporting
V	. 11/07/07	Well Repairs

Project Status

- I. <u>Groundwater Sampling:</u> ESC staff was on site November 5 through November 7 to sample the groundwater the following groundwater monitoring wells: P-17S, P-18S, P-20SR, P-22D, P-22S, P-22E, P-23D, P-23S, P-25BR, P-25D, P-26S, P-27D, P-27S, P-30D, P-30I, P-31D, P-31IA, P-31IB, P-40D, P-40I, P-43S, P-43I & P-43D. Monitoring well P-17S was not sampled because the well contained an insufficient volume of water to collect a sample. The remaining wells were purged and sampled using submersible electric pumps, dedicated bladder pumps or bailers. One duplicate sample (DUP01) was collected at P-27D in accordance with ESC's QA/QC procedures. A field blank (FB-01) was collected near P-29S. Several laboratory trip blanks also accompanied the samples. Groundwater elevations were also measured at 38 additional monitoring wells during the November 2007 event.
- II. <u>Residential Well Sampling:</u> ESC staff was on site November 6, 2007 to collect nine residential drinking water supply well samples (PW-Sather, PW-Matush, PW-Sommer, PW-Weber, PW-Durand, PW-Wagner, PW-Rounds, PW-Stoppleworth, & PW-Noles). One trip blank and one duplicate sample (PW-Rounds) accompanied the samples in accordance with ESC's QA/QC procedures.
- III. <u>Groundwater Elevations:</u> ESC staff was on site November 5 through November 7 to collect the groundwater elevations from all of the remaining monitoring wells on site. Results were recorded on ESC's Field Sheet.
- IV. <u>Reporting</u>: ESC staff updated the water table sheets and equipment sheets for the November sampling event, reviewed the May 2007 field sheets, updated the monitoring summaries and requested DIDs from the WDNR. ESC staff also prepared a proposal to conduct additional repairs at the site.
- V. <u>Well Repairs</u>: During the semi-annual sampling event, ESC conducted minor groundwater well repairs. The repairs consisted of:
 - Installing a new bladder at P-40I
 - Installing new air line fittings at the P-31's
 - Installing discharge tubing fittings at five wells
 - Installed a new protective casing at P-24D
 - Removed the concrete pads and re-established bentonite surface seals at P-31S & P-40I
 - Removed overgrown vegetation at several wells
 - Installed weep holes at several wells

Task Deviations and Reporting Turnaround

Test results will be available in approximately 30 days.

Field Observations

- Dup-01 = P-27D
- Break in well @ P-16S approximately 10.5 feet below ground surface.
- Monitoring well P-17S contained an insufficient volume of water to collect a sample.

Proposed Additional Actions

Well Repairs.

Other Observations

None.

Rev. 3/2006		Chain of	f Custody		Page	 -	/_of	
Company FS	<u> </u>	7	1230 Lange Court, Baraboo, V 608-356-2760 Fax 608-35	WI 53913	Mail Report T			<u></u>
Project Contact: Frank Pernginc Telephone: 414-427-5039 Project Name: RHL-11107	Turnaround		www.ctlaboratories.cc	om	Address: V	عی ۱۱25 ۲. Zin: ۱۷	59808 1	North Cape
Project Name: KHC -1110+ Project Number: — Project Location: Madison, WI Sampled By: SF, JW, TI	Normal RI Date Needed *Notify Lab prior to sen samples. Surch	USH* ding in RUSH	Lab Use Only Place Header Sticker Here	:: 	Mail Report T Company: Address: V City/State, Invoice To: Company: Address:		usigo, E Above	W(30/S
Regulatory Program: UST RCRA SDWA NPDES Solid Waste Other	24 hr 200% 2-3 days 100% subject to change wit	4-9 days 50%,			City/State,	/Zip:		
Client Special Instructions:		-,,,,,	ANALYSES REQUESTED					
Landfill License Number: 7005	Filtered? Y/N	**Matrix: \(- \- \- \- \(\& \& \& \\ \\ \\ \\ \\ \\ \\ \\ \\ \\			Total # of Containers	Preservation*	A=None C=H2SO4 E=Encore G=NaOH O=Other	D=HNO3 F=Methanol
Date Time Comp Sample I	D Description		Fill in Spaces with Bottles	per Test			Lat	o ID #
1/6/07 0945 6 2-365		GW 3			3	B		
1210 120								
1200 P325		3			2			
116/07 1900 9-435		3			3333			
1/7/07 /030 12-43[5	3			3	\vdash		
1220 P-185		J 3			3			
1250 V F-25 1		1 3			3	V	-	
TAP Blo	D N ant N	6W 3			1	B		
1-19 816								
Delin swished But	Dolin swished Pro	Data /Ti-						
1/1/07 1700	Relinquished By: Received for Laboratory by:	Date/Time Date/Time	Ice Present Temperature Cooler #	Yes N	— S-Soil GW-0	Groundy	vater SW -St	-Misc Waste urface Water inking Water

D 0/000/		Cl: C	Carota d			Dare			-3
Rev. 3/2006		Chain of	Custody 1230 Lange Cou	ut Borolos	WI 52012	Page Mail Report		l=01==	
Company: Ex	. T	151	608-356-2760			Commont	IC		
Project Contact: Frank Perngini (Telephone: 414-427-5039) Project Name: RHL-11107	T LABORATOR	1t) #		aboratories.c		Address: \	N125	59808	North Cape R WI 53/57
Project Name: RIH _IIIAL	Turnaround T		F	h Hea Oute		City/State	/Zip: ↑	Mustian.	WI 53/5
Project Number: —	Normal RU	SH*		b Use Only nder Sticker Her	e:)	() (
Project Location: Madesex, WI	Date Needed					Invoice To:	G.	. X2	
Sampled By: SF, JW, 71	*Notify Lab prior to send	ing in RUSH				Company:	Sl	k HONL	
	samples. Surcha	rges:				Address:	17:		
Regulatory Program: UST RCRA SDWA NPDES	24 hr 200% 2-3 days 100%					City/State	/ Lip:		
	subject to change with	out nonce.				PO No.			
Solid Waste Other Client Special Instructions:			ANALYSES R	EQUESTED		<u> </u>		T	
	ļ	Г Т				Ţ		1	
						of Containers		* 17	unting Card
			.			ntai		* Preser A=None	vation Code B=HCL
						5	ion,	C=H2SO4	D=HNO3
				1		# of	vat	1	F=Methanol
Landfill License Number: 70057	Filtered? Y/N					Total#	Preservation*	G=NaOH O=Other	
Collection		- \ VQC					Pr		LID#
Pate Time Comp Sample ID	Description		Fill in Spaces v	with Bottles	s per Test			La	b ID #
11/06/07 1125 G PW-Sathe		DW 3				13	B		
1 1025 1 PW-Webe	er .	1 3				3	B	<u> </u>	
1030 PW-Som	mers 1	3				3	B	<u> </u>	
1055 PW-Mafi	ush	3				3	B	<u> </u>	
1100 PW-Du	rand	3				3	18		
1150 PW- Wag	iner	3				3	B		
1250 PW-ROX	LNES	3				3	B		
1220 V PW- Note		3				3	B		
, 1215 PW- Stor		3				3	B		
11/06/07 1250 B PW-DU	DIN	DW 3				3	TB	T	
G TripBla	in E INT	DW 1				11-73	W.	В	
	18	-					P	 	
			 			+-+-	1		
Relinfluished By: Date/Time R	Relinquished By:	Date/Time			<u> </u>				
			I			No G.S.	1 4	**Matrix	# 3 #! - Y!Y - '
Received by Date/Time R	Received for Laboratory by:	Date/Time		perature					1-Misc Waste Surface Water
pare/ Inie	tocarea for Emboratory by.	Jane, Time	Cool	ler #					rinking Water
		<u> </u>							<u> </u>
									

The second secon

	Rev. 3/2006	Cha	ain of Custody		Pa	<u>ge2</u>	of 3
	Company: EX Project Contact: Frank Perngin (L B R Telephone: 4 4-427-5039 Project Name: RHL-11107 Norma	TORIES	608-35	ge Court, Baraboo, WI 53913 6-2760 Fax 608-356-2766 ww.ctlaboratories.com	Mail Report Company Address:	t To: 7: ESC W125	S9808 North Cape
	Project Number: Project Location: Made Sox, W Date Needed Sampled By: SF, JW, 71 *Notify Lab prior samples	I RUSH* r to sending in RUS . Surcharges:		Lab Use Only Place Header Sticker Here:	Address:		S9808 North Cape R Mustigo, WI 53150 e Above
	Regulatory Program: 24 hr 200% 2-3 da	ys 100% 4-9 days s nge without notice.			City/Sta	te/Zip:	
;	Client Special Instructions:		ANAL	YSES REQUESTED			
	Landfill License Number: # 00572 Collection Grab/ Sample ID Description	######################################	VQ S (\$260)	aces with Bottles per Tes	Total # of Containers	Preservation*	* Preservation Code A=None B=HCL C=H2SO4 D=HNO3 E=Encore F=Methanol G=NaOH O=Other Lab ID #
:	But Thic Coup	M/ 1214/	3 rill in Sp	aces with bottles per Les		10	
:	116/07 1430 G P-20SR 1 1200 1 P-23D	N GW	3		3	B	
į	1210 P-23S	 	3			3 B	
:	V. 0940 P-40 D	 	3				
	11/6/07 1025 P-40 I	 - - - -	3				
:	11/5/07/16/0 P-30D	+	3			1 4-	
:	11/5/07 1610 P-30 I	 	3				
		 	3				
	1460 P-31 D P-31 IA	 	3				
	11/5/07 1440 G P-3/ IB		3				
		NIGW					
:	- G Trip Blank	NGW	1			B	
		 					
	Reinquished By: Date/Time Relinquished By: 11607 730 Received by: Date/Time Received for Laborato	Date/Tin		Ice Present Yes Temperature Cooler #	- GM	-Ground	**Matrix SI-Sludge M-Misc Waste water SW-Surface Water ater DW-Drinking Water

												
Rev. 3/2006		Ch	ain of	Custod						Page	<u></u>	of 3
Company: EX Project Contact: Frank Perngine Telephone: 4 4-427-5039 Project Name: RHL-11107 Project Number: Project Location: Madison, WI Sampled By: SF, JM, TI Regulatory Program: UST RCRA SDWA NPDES Solid Waste Other	Turnaround Normal R Date Needed *Notify Lab prior to se samples. Surch 24 hr 200% 2-3 days 100 subject to change with	Time RUSH* nding in RU harges: 1% 4-9 days	50%,	608-3	56-2760 vww.ctlab	, Baraboo, Fax 608-3 poratories. Use Only er Sticker He	356-2766 com	913	Mail Rec Comp Addre City/S Invoice Comp Addre City/	ess: State _/		S9808 North Cape R Mustigo, WI 53/50 e Abanc
Client Special Instructions:	<u> </u>			ANA	LYSES REC	QUESTED				—		
Landfill License Number: 7005-	スト 20 27 2 2 3 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3	**Машх:	V- HCL VCS (8260)	E:II: C		al P of				Total # of Containers	Preservation*	* Preservation Code A=None B=HCL C=H2SO4 D=HNO3 E=Encore F=Methanol G=NaOH O=Other Lab ID #
L Date Time Comp		1041	3 1	Fill in S	paces w	th Bottle	s per 1	est			- F	340 12 11
		- GW	3							3	B	
1500 P-27-I		+ + +	3			_				3	8	
1530 V FB-01		G _I W	3						<u> </u>	3	B	
11/5/07 - 6 P-175				suffic		Volu		M ₂ C	: N. 2			
	- I W			SMITIC	contr	Voice	W.C.	140	masse	 		<u> </u>
									 	 	 	
						· · · · ·			†	 		
						_			ļ	 	ļ	<u> </u>
								ļ	 	 	 	
												
							†		1	 		
							[
Religiquished By: Date/Time 116/07 1730 Received by: Date/Time	Relinquished By: Received for Laboratory by:	Date/Ti			Ice Pr Temp Coole:	erature _	Yes	N	-	GW-0	Groundy	**Matrix SI-Sludge M-Misc Waste water SW-Surface Water ater DW-Drinking Water

REFUSE HIDEAWAY LANDFILL DANE COUNTY, WI 2007 MONITORING SYSTEM SUMMARY - 05/07

•, GROUNDWATER

	1 181			T
TASK		MONITORING POINTS	PARAMETERS	FREQUENCY
l.		P-1S, P-3S, P-4S, P-8BR,	groundwater elevation (ft MSL)	May 2007
		P-33S, P-35S, P-35D,		(2009, 2010,
	1 '	P-36S, P-38S, P-39S,		2012, 2013, etc.)
		P-41S, P-42S	(6, 1401)	
II.	1	P-8S, P-9D, P-9S, P-16S, P-16D, P-18S, P-20SR, P-21S, P-21D,	groundwater elevation (ft. MSL)	May 2007
	1	R, P-22D, P-22E, P-22S,	field pH field conductivity	(2009, 2010,
	1	P-23S, P-24D, P-24E, P-25S,	field temperature	2012, 2013, etc.)
		P-25BR, P-26S, P-26D,	field observations	
	1	P-27S, P-28S, P-29S, P-30D,	VOCs (8260)	
		P-31D, P-31IA, P-31IB, P-31S,	VOC3 (0200)	
		P-32S, P-33D, P-34S, P-34D,		
	•	P-40I, P-41D, P-43D, P-43I,]	
		, DUP-01, DUP-02, FB-01		
		(48 samples)		
III.	P-1D, F	P-1S, P-3S, P-4S, P-8BR, (\(\)	groundwater elevation (ft. MSL)	November
		P-8S, P-9D, P-9S, P-16D, P-16S,		
		R, P-21D, P-21S, P-24D, P-24E,]	•
	Landon Maria	P-28D, P-288, P-29S, P-30S,		
		P-32D, P-32S, P-33D, P-33S,		
		P-34D, P-35S, P-35D, P-36D,		
		P-38S, P-39S, P-40S, P-41D,		
	P-4/1S,		A company of the comp	
IV.		P-18S, P-208R, P-220, P-22E,	groundwater elevation (ft. MSL)	November
		P-230, P-23S, P-25D, P-26BR,	field pH	The same of the sa
(P-27D, P-27S, P-30D, P-30I,	field conductivity	
\		P-311A, P-311B, P-40D, P-401, P-431, P-438, DUP-01, FB-01	field temperature	
	PASO,	(23 samples)	field observations VOCs (8260)	
V.	P-10 F	P-1S, P-3S, P-4S, P-30S,	groundwater-elevation (ft MSL)	Every third year
٧.		P-36S, P-38S, P-39S,	greditestation (it ivide)	in May
		P-41S, P-42S	!	(2008, 2011,
	,	,,,		2014, etc.)
VI.	P-8BR.	P-8D, P-8S, P-9D, P-9S,	groundwater elevation (ft. MSL)	Every third year
		P-16D, P-17S, P-18S, P-20SR,	field pH	in May
		P-21D, P-21BR, P-22D, P-22E,	field conductivity	(2008, 2011,
		P-23D, P-23S, P-24D, P-24E,	field temperature	2014, etc.)
		P-25D, P-25BR, P-26S,	field observations	, ,
		P-27D, P-27S, P-28S, P-29S,	VOCs (8260)	
	-	P-30I, P-31D, P-31IA, P-31IB,	·	
		P-32D, P-32S, P-33D, P-33S,		
		P-34D, P-35D, P-35S,		
	P-40D,	P-40I, P-41D, P-43D, P-43I,		
	P-43S,	DUP-01, DUP-02, FB-01		
		(52 samples)		

REFUSE HIDEAWAY LANDFILL DANE COUNTY, WI 2007 MONITORING SYSTEM SUMMARY - 05/07

GROUNDWATER (CONT.)

TASK	MONITORING POINTS	PARAMETERS	FREQUENCY
VII.	P-8BR, P-9D, P-24D, P-24E, P-33D, P-36S (Wells with water level control equip.)	Well equipment inspection (Inspect devices to ensure that the wells are protected from frost damage. When water levels are 3 ft. below ground surface, the inspection is no longer required)	December, January, February, March

PRIVATE WELLS

TASK	MONITORING POINTS	PARAMETERS	FREQUENCY
I.	PW-Sather, PW-Bonk, PW-Bula,	field pH	May
	PW-Wheat/Krueger,	field conductivity	
	PW-Tantrow/Thompson,	field temperature	
	PW-Summers, PW-Noles,	field observations	
	PW-Stoppleworth	VOCs (524.2)	
	(8 samples)		
11,/	PW-Sather, PW-Matush,	groundwater elevation (ft. MSL)	(Movember
	PW-Sommers, PW-Weber,	field pH	
1	PW-Durand, PW-Wagner,	field conductivity	_
1	PW-Rounds, PW-Noles,	field temperature	
	PW-Stoppleworth,	field observations	
	S (% samples)	VOCs (524.2)	

Contacts:

Pat Letterer - CT Laboratory: (800) 228-3012 Hank Kuehling - WDNR: (608) 275-3286

Directions to site:

194 west to the beltline (HWY 12-18). Exit at Hwy 14 (LaCrosse, Spring Green), turn left. Turn right into driveway before billboard (ShoeBox). 7562 Hwy 14

Reporting:

Groundwater and private well monitoring results including elevations (cover letter and analytical) to WDNR in January and July. (ESC)

			<u> </u>		ENVIR	ONMENT	AL SAMP		RPORATIC	-			ONITOR	NG FIELD	FORM		· · · ·				
				Purging	Phase	- ·									Samp	ling Pha	se				
Well ID	Date (2007)	Time (24hrs.)	Top of Well Elevation (ft.MSL)	Depth to Water (ft.)	Groundwater Elevation (ft.MSL)	Total Depth (ft.)	Height of Water Col. (ft.)	Req. Gal. to Purge (4 vol.)	Amount Purged (gal.)		Date (2007)	Time (24hrs.)	pH (s.u.)	Spec. Cond. (25C)	Temp. (deg.C)	Color before Filter	Color after Filter	Odor	Turb before Filter	Turb after Filter	Number of Filters Used
P-22D	11/06	1215	1088.94	174.50	914.44	217.2	42.70	PACKER 5.5	5.5		11/06	1320	7.35	573	9.5	clear	_	none	none		
P-22E	11/06	1115	1089.72	175.10	914.62	273.0	97.90	63.8	15.0^		11/06	1210	7.51	605	8.9	clear	-	none	none		
P-22S	11/06	1130	1088.20	173.50	914.70	184.7	11.20	7.3	7.5		11/06	1200	7.39	641	9.3	clear		none	none	_	
P-26D	11/05	1300	1149.63	223.10	926.53	262.1	39.00	_	-			-		-	-	ı	-	-			_
P-26S	11/05	1300	1150.95	219.30	931.65	237.6	18.30	11.9	12.0		11/06	0945	7.19	841	9.5	clear		none	none	_	_
P-27D	11/05	1430	1095.56	175.15	920.41	204.3	29.15	PACKER 8.0	8.0		11/05	1500	6.85	900	8.8	clear		none	none		
P-27S	11/05	1430	1095.23	174.84	920.39	188.8	13.96	9.1	9.5		11/05	1600	6.74	807	9.0	clear	-	none	none	-	
P-28S	11/05	1315	1124.33	199.50	924.83	207.4	7.90	-						-		_		_		_	
P-29S	11/05	1330	1163.10	236.60	926.50	257.2	20.60	-							-			-		_	
P-34D	11/05	1445	1090.98	164.75	926.23	276.1	111.35	PACKER 9.0	_				-							_	
P-34S	11/05	1445	1091.10	162.00	929.10	186.0	24.00	15.6				_				-		_			
P-35D	11/05	1500	1087.70	166.00	921.70	252.6							-	<u></u>		-	-		-		
P-35S	11/05	1500	1087.90	164.55	923.35	184.0		-										_		_	
Casing I.D 1.5" well :			per foot to g	et one well 3" well : 0		A"all .	0.652				WEATHE Date:	R 11/6/	Wind Sp	oeed: Overview:	10-25 mg		Direction	<u>:</u>	NW	Temp.:	40
NOTES:	v.vaz gai	∠ weii: t	v. 103 gal.	3 Well: (yaı.	→ weii:	0.653 gal.				Date:			11/6/2		oddy, Wir	uy				
Monitoring			the Sommers								pH Meter		Oakton			pH 7.0	7.00				
^ - Low flo	w bladder	pump. We	ll was purged	at a low flo	ow rate until fie	eld paramo	eters stabil	ized.			Spec. Co Temperat		21.0	Oakton			Standard:	1413	3	Reading	: 1414
									ENV/25		L	Lan .	MONE								
Facility Na Facility A			efuse Hideaw 14, Middleton					····	ENVIRO		IENTAL ING	Client: Project:	WDNR	RHL - 11/07	7 Event		 -	Page:	1	of	- 6
ESC Pers			mark, Jeremy								ATION	Prepared	l by:	TI	Event	Date:	11/21	/2007			
1 30.513	·	20011101									5033	Checked		SF		Date:	11/27				

Emailed to Pat CCT Labs - 11/29/07

<u> </u>					ENVIR	ONMEN	TAL SAM				GROUND EMBER 20		IONITOR	RING FIELD	FORM					•	
				Purging	Phase								·····		Samp	ling Phas	e				
Well ID	Date (2007)	Time (24hrs.)	Top of Well Elevation (ft.MSL)	Depth to Water (ft.)	Groundwater Elevation (ft.MSL)	Total Depth (ft.)	Height of Water Col. (ft.)	Req. Gal. to Purge (3 vol.)	Amount Purged (gal.)		Date (2007)	Time (24hrs.)	pH (s.u.)	Spec. Cond. (25C)	Temp. (deg.C)	Color before Filter	Color after Filter	Odor	Turb before Filter	Turb after Filter	Number of Filters Used
P-43D	11/06	1330	1109.92	192.20	917.72	283.6	91.40	44.7	15.0 ^		11/07	1030	7.38	606	8.8	clear	_	none	none	-	-
P-43I	11/06	1330	1110.24	192.10	918.14	233.3	41.20	20.1	7.0 ^		11/06	1500	7.51	595	9.6	cloudy	_	none	none	_	
P-43S	11/06	1330	1110.60	193.00	917.60	205.7	12.70	6.2	3.0 ^		11/06	1400	7.61	616	8.7	clear		none	none		_
P-30D	11/05	1530	932.97	22.98	909.99	289.5	266.52	PACKER 15.0	15.0		11/05	1610	7.91	490	9.0	clear		none	none	_	_
P-30I	11/05	1500	930.94	21.04	909.90	142.3	121.26	PACKER 9.0	9.0		11/05	1530	7.71	597	9.5	clear		none	none	-	_
P-31D	11/05	1230	915.72	NA		258.2	-	PACKER 8.0	8.0		11/05	1400	7.29	463	9.0	clear	-	organic	none		-
P-31IA	11/05	1245	916.77	NA	_	95.6	-	PACKER 8.0	8.0		11/05	1430	7.46	780	9.6	clear	_	none	none		_
P-31IB	11/05	1405	916.49	NA		135.7		PACKER 8.0	8.0		11/05	1440	7.57	799	9.4	clear		none	none	_	
P-31S	11/05	1300	916.59	6.89	909.70	28.8	21.91					-		-	-	-	_				
P-32D	11/05		942.66	23.75	918.91	176.2	152.45	74.5						_			_				
P-32S	11/05		943.73	22.00	921.73	39.5	17.50	8.6				-									-
P-40D	11/06	0910	922.98	12.80	910.18	255.2	242.40	PACKER 9.0	9.0		11/06	0940	7.70	540	9.4	clear		none	none	_	
P-40I	11/06	0940	922.28	11.63	910.65	104.8	93.17	PACKER 9.0	9.0		11/06	1025	7.49	680	9.5	clear		none	none		
			per foot to go).163 gal.			A" woll :	0.653 gal.				WEATHE Date:	R 11/5/	Wind Sp	oeed: Overview:	5-15 mph mostly clo		Direction	:	NW	Temp.:	45
					at a low flow			eters stabili	ized.	1	Date Equ			11/5/:		Judy					
The P-43 v	vell nest is				perty. The rer					1	pH Meter:		Oakton			pH 7.0:					
along High			. 12-2		2 0 24 0 5 2	414				1		nd. Meter:		Oakton			Standard:	1413	}	Reading	: 1410
					S, P-31D, P-3 P-31D, and P				·	1	Temperat	ure:	13.6)							
Facility Na			fuse Hideaw		, orbjana i	3174			ENVIR	ONN	MENTAL	Client:	WDNR					Page:	2	of	6
Facility A			14, Middleton] s/	MPL	ING	Project:		RHL - 11/07	Event						
ESC Pers	onnel:	Scott Frei	mark, Jeremy	McIntyre							ATION	Prepared		TI		Date:	11/21				
<u></u>									414	-427	-5033	Checked	by:	SF		Date:	11/27	/2007			

CP263/ESC/Forms/Field Form.xls

Additional Notes:

Cut away brush near P-31 well nest
Casing and concrete pad are raised from ground at P-39S.
Replaced pump at P-40I.
Concrete pad raised from ground at P-40I.

ENVIRONMENTAL SAMPLING CORPORATION GROUNDWATER MONITORING FIELD FORM MONTH: NOVEMBER 2007 **Purging Phase** Sampling Phase Number o Top of Well Depth to Groundwater Height of Req. Gal. to Color Spec. Cond. Color after Turb before Turb after Date Time Total Amount Date Time before Odor Filters Temp. (deg.C) Well ID Elevation Water Elevation Water Col. pH (s.u.) (2007) (24hrs.) Filter Filter Filter (2007) Depth (ft.) (25C) (24hrs.) Purged (gal. (ft.MSL) (3 vol.) Filter Used (ft.MSL) (ft.) (ft.) **PACKER** 906.56 104.5 P-41D 11/05 924.82 18.26 --9.0 P-30S 932.61 910.8 --11/05 21.81 P-36D 11/05 924.34 1.90 922.44 P-36S 11/05 924.49 3.40 921.09 ------P-38S 11/05 8.22 923.21 914.99 P-39S 11/05 946.08 36.45 909.63 ----P-40S 11/05 922.01 11.37 910.64 925.58 P-41S 11/05 12.11 913.47 --P-42S 11/05 917.62 12.90 904.72 P-17S 11/05 1215 1081.75 156.86 924.89 158.8 Insufficient Volume For Sample Collection 1.94 0.9 < 0.1 4.3 P-18S 11/07 1120 1020.57 98.46 922.11 107.2 8.74 4.5 11/07 1220 7.46 571 10.9 clear none none DUP-01 11/05 1500 6.85 902 8.8 clear none none Casing I.D. (inches): Gallons per foot to get one well volume. WEATHER Wind Speed: 0-10 mph Direction: SW Temp.: 35 1.5" well : 0.092 gal. 2" well : 0.163 gal. 3" well : 0.377 gal. Date: 11/7/2007 Overview: scattered clouds 4" well: 0.653 gal. NOTES: DUP-01 = P-27D Date Equipment Used: 11/7/2007 P-17S and P-18S are located on the rock ledges around the site. The remaining wells are located pH Meter: Oakton pH 7.0: 7.00 pH 4.0: 4.01 Slope: --Spec. Cond. Meter: Oakton Standard: 1413 Reading: 1415 along Highway 14. Temperature: 12.0 **Facility Name:** WDNR Refuse Hideaway Landfill ENVIRONMENTAL Client: WDNR Page: 3 of 6 SAMPLING Facility Address: Highway 14, Middleton, WI Project: RHL - 11/07 Event CORPORATION 11/21/2007 Scott Freimark, Jeremy McIntyre Date: **ESC Personnel:** Prepared by: 414-427-5033 Checked by: SF Date: 11/27/2007

CP263/ESC/Forms/Field Form.xls

MONTH: NOVEMBER 2007 **Purging Phase** Sampling Phase Top of Well Depth to Groundwater Height of Reg. Gal. to Color Number of Amount Total Depth Date Spec. Cond. Temp. Color after Turb before Turb after Date Time Time Well ID Elevation Water Elevation Water Col. Purge Purged pH (s.u.) before Odor Filters (2007) (24hrs.) (ft.) (2007)(24hrs.) (25C) (deg.C) Filter (4 vol.) (ft.MSL) (ft.) (ft.MSL) (ft.) (gal.) Filter Used P-8D 11/06 930.98 9.23 921.75 42.2 --__ --_ 932.50 10.34 922.16 20.5 P-8S 11/06 P-9D 11/06 930.43 8.94 921.49 43.0 P-9S 11/06 932.09 10.07 922.02 16.0 P-16D 11/06 --936.30 15.40 920.90 42.9 935.96 12.80 923.16 P-16S 11/06 17.2 P-20SR 11/06 1350 39.73 922.05 26.6 1430 961.78 66.3 17.3 17.5 11/06 7.78 539 10.2 clear none none P-21BR 11/06 935.19 15.32 919.87 148.3 --__ __ __ __ __ __ P-21D 11/06 935.81 14.60 921.21 41.6 P-21S 11/06 936.43 12.14 924.29 19.7 P-23D 11/06 1100 961.53 39.84 921.69 80.1 40.3 26.2 27.0 7.66 532 11/06 1200 10.4 clear none none P-23S 11/06 1140 961.71 40.23 921.48 48.1 7.9 5.1 Dry @ 1.0 11/06 1210 7.72 578 9.5 cloudy none low P-24D 11/06 927.25 5.80 921.45 25.2 WEATHER Casing I.D. (inches): Gallons per foot to get one well volume. Wind Speed: 10-25 mph Direction: NW Temp.: 40 1.5" well : 0.092 gal. 2" well : 0.163 gal. 3" well : 0.377 gal. 4" well : 0.653 gal. 11/6/2007 Overview: mostly cloudy, windy Date: Date Equipment Used: 11/6/2007 Monitoring wells are located around the facility and along the adjacent farm fields. pH Meter: 7.00 pH 4.0: 4.01 Slope: -Oakton pH 7.0: Spec. Cond. Meter: Oakton Standard: 1413 Reading: 1414 21.0 Temperature: Facility Name: WDNR Refuse Hideaway Landfill ENVIRONMENTAL WDNR Client: Page: 4 of 6 SAMPLING Facility Address: Highway 14, Middleton, WI Project: RHL - 11/07 Event ESC Personnel: Scott Freimark, Jeremy McIntyre CORPORATION Prepared by: TI Date: 11/21/2007 414-427-5033 Checked by: SF Date: 11/27/2007

CP263/ESC/Forms/Field Form.xls

ENVIRONMENTAL SAMPLING CORPORATION GROUNDWATER MONITORING FIELD FORM

ENVIRONMENTAL SAMPLING CORPORATION GROUNDWATER MONITORING FIELD FORM MONTH: NOVEMBER 2007 Purging Phase Sampling Phase Top of Well Depth to Groundwater Helaht of Reg. Gal. to Color Number of Amount Time Total Spec. Cond. Color after Turb before Turb after Date Date Time Well ID Elevation Water Elevation Weter Col. Purge Purged pH (s.u.) before Odor Filters (2007)(24hrs.) Depth (ft.) (2007)(24hrs.) (25C) (deg.C) Filter Filter (ft.MSL) (ft.) (ft.MSL) (ft.) (4 vol.) (gal.) Filter Used P-24E 11/06 927.39 5.80 921.59 52.5 -----__ --P-25BR 11/07 943.27 1035 26.98 916.29 140.3 113.32 73.9 74.0 11/07 1250 7.79 536 10.5 clear none none P-25D 11/07 1035 943.86 27.01 916.85 96.3 69.29 11/07 1300 727 45.2 46.0 7.59 10.8 clear none none P-25S 11/07 1035 943.14 23.30 919.84 29.4 P-33D 11/06 922.06 103.4 928.50 6.44 P-1D 11/06 926.67 5.02 921.65 P-1S 11/06 924.39 8.05 916.34 P-3S 11/06 932.79 10.83 921.96 --_ P-4S 11/06 929.89 7.03 922.86 P-8BR 11/06 929.52 8.31 921.21 111.5 -----P-33S 11/06 928.55 922.65 5.90 27.6 DUP-02 FB-01 11/05 1530 8.19 77.4 7.5 clear none none Casing I.D. (inches): Gallons per foot to get one well volume. WEATHER Wind Speed: 0-10 mph Direction: SW Temp.: 35 1.5" well : 0.092 gal. 2" well : 0.163 gal. 3" well : 0.377 gal. 4" well: 0.653 gal. Date: 11/7/2007 Overview: scattered clouds Date Equipment Used: 11/7/2007 Monitoring wells are located around the facility and along the adjacent farm fields. pH Meter: 7.00 pH 4.0: 4.01 Oakton pH 7.0: Slope: -Spec. Cond. Meter: Oakton Standard: 1413 Reading: 1415 12.0 Temperature: ENVIRONMENTAL Facility Name: WDNR Refuse Hideaway Landfill Client: WDNR Page: 5 of 6 Highway 14, Middleton, WI SAMPLING Facility Address: Project: RHL - 11/07 Event **ESC** Personnel: Scott Freimark, Jeremy McIntyre CORPORATION Prepared by: ΤI Date: 11/21/2007 414-427-5033 Checked by: SF Date: 11/27/2007 CP263/ESC/Forms/Field Form.xls

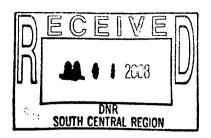
ENVIRONMENTAL SAMPLING CORPORATION GROUNDWATER MONITORING FIELD FORM MONTH: NOVEMBER 2007 **Purging Phase** Sampling Phase Top of Well Depth to Groundwater Height of Reg. Gal. to Color Number o Amount Date Time **Total Depth** Date Time Spec. Cond. Color after Turb before Turb after Well ID Elevation Water Elevation Water Col. pH (s.u.) before Odor Filtors Purge Purged (2007) (24hrs.) (2007) (24hrs.) (deg.C) (25C) Filter (ft.MSL) (ft.) (ft.MSL) (ft.) (4 vol.) (gal.) Filter Used PW-Sather 11/06 1110 15 11/06 1125 7.76 653 8.4 clear поле none --11/06 1220 PW-Notes 1205 15 11/06 7.45 608 10.2 clear none none PW-11/06 1200 11/06 1215 7.54 547 9.6 15 clear none none Stoppleworth PW-Matush 11/06 1040 -----15 11/06 1055 7.47 614 8.3 clear _ none none PW. 11/06 1015 15 11/06 1030 7.07 549 10.2 clear none none Sommers 11/06 1045 15 11/06 1100 7.32 849 9.0 PW-Durand clear none none PW-Wagner 11/06 1135 15 11/06 1150 7.49 740 9.4 clear none none PW-Weber 11/06 1010 15 11/06 1025 6.57 573 10.3 clear none none 11/06 1235 PW-Rounds 15 11/06 1250 7.57 578 10.8 ---------_ clear _ none none PW-DUP 11/06 --1250 11/06 7.59 580 10.4 clear none none Casing I.D. (inches): Gallons per foot to get one well volume. WEATHER Wind Speed: 10-25 mph Direction: NW Temp.: 40 1.5" well : 0.092 gal. 2" well : 0.163 gal. 3" well : 0.377 gal. 4" well: 0.653 gal. Date: 11/6/2007 Overview: mostly cloudy, windy NOTES: Date Equipment Used: 11/6/2007 PW-DUP = PW-Rounds 7.00 pH 4.0: pH Meter: Oakton pH 7.0: 4.01 Slope: -Spec. Cond. Meter: Oakton Standard: 1413 Reading: 1414 21.0 Temperature: Facility Name: WDNR Refuse Hideaway Landfill ENVIRONMENTAL Client: WDNR Page: 6 of 6 Highway 14, Middleton, WI Facility Address: SAMPLING Project: RHL - 11/07 Event ESC Personnel: Tracy Ipavec **CORPORATION** Date: Prepared by: TI 11/21/2007 414-427-5033 SF Checked by: Date: 11/27/2007 CP263/ESC/Forms/Field Form.xls

ENVIRONMENTAL SAMPLING CORPORATION

Dedicated to Environmental Monitoring, Science & Technology

July 9, 2008

Mr. Harlan Kuehling, P.G. Wisconsin Department of Natural Resources 3911 Fish Hatchery Road Fitchburg, WI 53711



Re:

Refuse Hideaway Landfill – Middleton, WI (License #01953)

May 2008 Laboratory Analytical Results

Dear Mr. Kuehling:

Enclosed please find the data file, exceedance summary, and data certification page for the groundwater and private well monitoring conducted at the Refuse Hideaway Landfill (RHL) in May 2008. As requested, an electronic copy of the laboratory analytical data is included on the enclosed CD.

In accordance with the Scope of Work for Groundwater Sampling at RHL, revised March 2007, Environmental Sampling Corporation (ESC) staff was on site May 5-9 and 12, 2008 to collect samples from 49 groundwater monitoring wells and eight private wells. ESC staff also collected groundwater elevation measurements from an additional 12 groundwater monitoring wells. The groundwater and drinking water samples collected were packed on ice and shipped to CT Laboratories (WI cert. #157066030). In accordance with ESC's QA/QC procedures, trip blanks, duplicate samples, and a field blank were included with the shipments.

NR140 Exceedances

Laboratory analytical results were compared to the WDNR Ch. NR140 Preventive Action Limits (PAL) and Enforcement Standards (ES). Twenty-seven of the 49 groundwater monitoring wells had one or more VOC concentration detected above NR140 standards in the samples collected during the May 2008 event. Of these 27 wells, 16 groundwater well samples had one or more VOC concentrations detected in excess of the ES. NR140 exceedances are listed in the attached exceedance summary table and are discussed below.

- Benzene was detected in excess of the PAL in the samples collected from P-9D and P-16D. These wells are located downgradient of the facility and are in close proximity to the limits of waste. The benzene detections are consistent with recent analytical data.
- Cis-1,2-dichloroethene was detected in excess of the PAL in the samples collected from P-17S and P-21D. These wells are located in close proximity to the limits of waste. The concentration of cis-1,2-dichloroethane in the sample collected from P-17S is similar to the recent analytical data, but is greatly reduced from the concentrations reported in the samples collected from P-17S in 1992. The concentration of cis-1,2-dichloroethene in the samples collected from P-21D has been decreasing over time.

Main Office: P.O. Box 12 • Muskego, WI 53150-0012 • (414) 427-5033 • FAX (414) 427-5034

- The VOC 1,2-dichloropropane was detected in excess of the PAL in the samples collected from P-9D, P-16D, and P-17S. These wells are located in close proximity to the limits of waste. The concentrations in the samples collected from P-9D and P-16D are similar to recent analytical data. The concentration of 1,2-dichloropropane in the samples collected from P-17S have been decreasing over time.
- Concentrations of tetrachloroethene in excess of the PAL were detected in samples collected from 14 monitoring wells in May 2008 (P-8D, P-8S, P-9S, P-20SR, P-22D, P-22E, P-23S, P-23D, P-25BR, P-25D, P-26D, P-28S P-29S, P-31IB). The tetrachloroethene concentrations detected in the samples collected from P-8D, P-8S, P-9S, P-23D, and P-25D were estimated concentrations at or below the LOQ and were flagged as such on the exceedance summary. Concentrations of tetrachloroethene in excess of the ES were detected in the samples collected from an additional seven monitoring wells (P-17S, P-18S, P-26S, P-27D, P-27S, P-31IA, and P-40I). Detections of tetrachloroethene are widespread at the facility and are similar to or reduced from historic data. Groundwater samples with the highest concentrations of tetrachloroethene are closest in proximity to the closed, unlined facility.
- Tetrahydrofuran was detected in excess of the ES in the samples collected from P-9D and P-16D. Concentrations of tetrahydrofuran in these downgradient wells have been increasing over time. Tetrahydrofuran was not detected above NR140 standards in the samples collected from any of the other monitoring wells sampled during May 2008.
- Trichloroethene concentrations exceeded the PAL in the samples collected from 11 groundwater monitoring wells (P-8BR, P-9D, P-16D, P-18S, P-22E, P-25D, P-26S, P-27S, P-31IA, P-31IB, and P-40I) and exceeded the ES in the sample collected from P-17S and P-27D. The trichloroethene concentrations are highest in the wells located around the facility. Concentrations are similar to or reduced from recent analytical data and many have displayed decreasing trends over time.
- Concentrations of vinyl chloride were detected in excess of the NR140 ES in the samples collected from ten groundwater monitoring wells (P-8S, P-9D, P-16D, P-17S, P-21D, P-24D, P-24E, P-25D, P-26D, and P-26S) sampled in May 2008. The concentrations of vinyl chloride in the samples collected from P-26D and P-26S were detected between the LOD and LOQ which cannot be confirmed by the laboratory and should be considered estimates. These detections are not considered exceedances under NR140 standards, and have been flagged as such on the attached exceedance summary. The vinyl chloride concentrations are related to landfill gas migration and are highest in concentration at the wells located immediately south of the facility. Vinyl chloride concentrations in the samples collected in May 2008 are similar to or reduced from recent data and many display a decreasing trend over time. Gas wells along the perimeter and interior of the landfill should be adjusted to increase the flow (vacuum) applied to the gas wells to minimize landfill gas migration.

• Two of the eight private wells sampled for VOCs (PW-Noles and PW-Stoppleworth) had concentrations of tetrachloroethene and trichloroethene detected in excess of NR140 standards. The concentrations of tetrachloroethene and trichloroethene were similar to historic data. These private water supply wells currently have water treatment systems installed at the residences; the May 2008 samples were collected prior to the water treatment systems. Additional low-level VOCs detected at these wells were below NR140 standards. No VOCs were detected at the remaining six private wells sampled in May 2008.

Additional Information

Low-level VOCs detected at concentrations less than the NR140 PAL were not discussed above, but are included on the electronic data file submitted with this report. The low-level. The following 16 groundwater monitoring wells did not contain VOCs at or above the laboratory limit of detection during the May 2008 event: P-25S, P-30D, P-31D, P-31D, P-31S, P-32D, P-32S, P-33D, P-33S, P-34D, P-35D, P-35S, P-41D, P-43D, P-43I, and P-43S. Additionally, no VOCs were detected from the following six drinking water wells: PW-Bonk, PW-Bula, PW-Sather, PW-Summers, PW-Wheat/Krueger, and PW-Tantrow/Thompson.

The next semi-annual monitoring event is scheduled for November 2008. At this time there are no proposed changes to the monitoring program. ESC recently prepared a proposal to replace the locks at the facility and several Churney balls. The proposal also included the installation of packers at P-31IA and P-21D and the repair of the P-16S well casing. Pending approval of this proposal, the repairs and improvements will be conducted in conjunction with the November 2008 event.

Please contact Frank Perugini or me at 414-427-5033 if you have any questions regarding this submittal.

Sincerely,

Environmental Sampling Corporation

Tracy Ipaved

Sr. Environmental Specialist

Enclosures

cc: Mr. Frank Perugini - ESC

REFUSE HIDEAWAY LANDFILL WDNR License #01953 Exceedance Summary - May 2008

Well ID (WDNR ID)	Date	P-Code	Parameter	PAL / ES (ug/L)	Result (ug/L)	Exceedance
P-21D (113)	05/08/08	39175	Vinyl Chloride	0.02 / 0.2	4.1	ES '
		77093	cis-1,2-Dichloroethene	7 / 70	12	PAL
P-8D (114)	05/08/08	34475	Tetrachloroethene +	0.5 / 5	0.68	PAL +
P-24D (115)	05/08/08	39175	Vinyl Chloride	0.02 / 0.2	1.4	ES
P-24E (116)	05/08/08	39175	Vinyl Chloride	0.02 / 0.2	2.1	ES
P-25D (118)	05/12/08	34475	Tetrachloroethene +	0.5 / 5	0.97	PAL +
		39175	Vinyl Chloride	0.02 / 0.2	0.57	ES
		39180	Trichloroethene	0.5 / 5	1.5	PAL
P-25BR (119)	05/12/08	34475	Tetrachloroethene	0.5 / 5	1.6	PAL
P-26D (120)	05/09/08	34475	Tetrachloroethene	0.5 / 5	1.5	PAL
		39175	Vinyl Chloride +	0.02 / 0.2	0.44	ES +
P-27S (121)	05/08/08	34475	Tetrachloroethene	0.5 / 5	6.6	ES
		39180	Trichloroethene	0.5 / 5	1.0	PAL
P-27D (122)	05/08/08	34475	Tetrachloroethene	0.5 / 5	33	ES
	• • •	39180	Trichloroethene	0.5 / 5	5.7	ES
P-28S (123)	05/09/08	34475	Tetrachloroethene	0.5 / 5	4.0	PAL
P-8S (125)	05/08/08	34475	Tetrachloroethene +	0.5 / 5	0.83	PAL +
		39175	Vinyl Chloride	0.02 / 0.2	1.6	ES
P-8BR (126)	05/09/08	39180	Trichloroethene	0.5 / 5	0.63	PAL
P-16D (127)	05/08/08	34030	Benzene	. 0.5 / 5	2.6	PAL
		34541	1,2-Dichloropropane	0.5 / 5	0.77	PAL
		39175	Vinyl Chloride	0.02 / 0.2	0.50	ES .
		39180	Trichloroethene	0.5 / 5	0.68	PAL
		81607	Tetrahydrofuran	10 / 50	89	ES
P-17S (128)	05/09/08	34475	Tetrachloroethene	0.5 / 5	5.7	ES
		34541	1,2-Dichloropropane	0.5 / 5	1.2	PAL
		39175	Vinyl Chloride	0.02 / 0.2	6.1	ES
		39180	Trichloroethene	0.5 / 5	7.5	ES
		77093	cis-1,2-Dichloroethene	7 / 70_	65	PAL
P-18S (129)	05/12/08	34475	Tetrachloroethene	0.5 / 5	12	ES
		31980	Trichloroethene	0.5 / 5	1.9	PAL
P-22D (136)	05/07/08	34475	Tetrachloroethene	0.5 / 5	1.9	PAL
P-23S (137)	05/08/08	34475	Tetrachloroethene	0.5 / 5	3.6	PAL
P-23D (138)	05/09/08	34475	Tetrachloroethene +	0.5 / 5	0.9	PAL +
P-9S (139)	05/08/08	34475	Tetrachloroethene +	0.5 / 5	0.81	PAL +

REFUSE HIDEAWAY LANDFILL WDNR License #01953 Exceedance Summary - May 2008

Well ID (WDNR ID)	Date .	P-Code	Parameter	PAL / ES (ug/L)	Result (ug/L)	Exceedance
P-9D (140)	05/08/08	34030	Benzene	0.5 / 5	2.9	PAL
		34541	1,2-Dichloropropane	0.5 / 5	2.0	PAL
		39175	Vinyl Chloride	0.02 / 0.2	0.73	ES
		39180	Trichloroethene	0.5 / 5	1.4	PAL
		81607	Tetrahydrofuran	10 / 50	56	ES
P-26S (141)	05/09/08	34475	Tetrachloroethene	0.5 / 5	6.4	ES
		39175	Vinyl Chloride	0.02 / 0.2	0.31	ES
		39180	Trichloroethene	0.5 / 5	0.77	PAL
P-31IA (146)	05/07/08	34475	Tetrachloroethene	0.5 / 5	5.4	ES
		39180	Trichloroethene	0.5 / 5	1.8	PAL
P-31IB (147)	05/07/08	34475	Tetrachloroethene	0.5 / 5	4.6	PAL
		39180	Trichloroethene	0.5 / 5	1.7	PAL
P-40I (162)	05/07/08	34475	Tetrachloroethene	0.5 / 5	6.3	ES
	** * !	39180	Trichloroethene	0.5 / 5	1.6	PAL
P-20SR (167)	05/08/08	34475	Tetrachloroethene	0.5 / 5	1.5	PAL
P-29S (168)	05/08/08	34475	Tetrachloroethene	0.5 / 5	1.6	PAĽ
P-22E (174)	05/08/08	34475	Tetrachloroethene	0.5 / 5	1.9	PAL
		39180	Trichloroethene	0.5 / 5	0.68	PAL
Stoppleworth	05/09/08	34475	Tetrachloroethene	0.5 / 5	2.9	PAL
(311)		39180	Trichloroethene	0.5 / 5	0.63	PAL
Noles	05/08/08	34475	Tetrachloroethene	0.5 / 5	4.4	PAL
(312)		39180	Trichloroethene	0.5 / 5	1.7	PAL

Notes:

ug/L = micrograms per liter

ES = NR 140 Enforcement Standard

PAL = NR140 Preventive Action Limit

^{+ -} The VOC concentration reported was an estimated concentration between the LOD and LOQ and is not considered an exceedance under NR140 standards.

State of Wisconsin Department of Natural Resources

Environmental Monitoring Data Certification

Form 4400-231(R 1/04)

Notice: Personally identifiable information collected will be used for program administration and enforcement purposes. The Department may also provide this information to requesters as required under Wisconsin's Open Records law, ss. 19.31 to 19.39, Wis. Stats. When submitting monitoring data, the owner or operator of the facility, practice or activity is required to notify the Department in writing that a groundwater standard or an explosive gas level has been attained or exceeded, as specified in ss. NR 140.24(1)(a); NR 140.26(1)(a); NR 507.30NR 635.14(9)(a); NR 635.18(20) and NR 507.30, Wis. Adm. Code. Failure to report may result in fines, forfeitures or other penalties resulting from enforcement under ss. 289.97, 291.97 or 299.95, Wis. Stats.

Instructions:

- Prepare one form for each license or monitoring ID.
- · Please type or print legibly.
- Attach a notification of any values that attain or exceed groundwater standards (that is, preventive action limits, enforcement standards or alternative concentration limits). The notification must include a preliminary analysis of the cause and significance of each value.
- Attach a notification of any gas values that attain or exceed explosive gas levels.
- Send the original signed form, any notification, and Electronic Data Deliverable [EDD] to: GEMS Data Submittal Contact WA/3

Bureau of Waste Management

Wisconsin Department of Natural Resources

101 South Webster Street Madison WI 53707-7921

Monitoring Data Submittal Inform	ation			
Name of entity submitting data (laboratory, o				
Environmental Sampling Cor	poration			
Contact for questions about data formatting. Name: Tracy Ipavec		thone: (414) 42		
E-mail: escstaff@yahoo.com				
Facility name:	License # / Monitoring ID	Facility ID [FID]	Actual sampling date	s (e.g., July 2-6, 2003
Refuse Hideaway Landfill	01953	113112010	May 5-9 and	12, 2008
The enclosed results are for sampling require May 2008	ed in the month(s) of: (e.g., Ju	ne 2003)		
Type of Data Submitted (Check all that apply	<i>)</i>			
Groundwater monitoring data from mon Groundwater monitoring data from priva Leachate monitoring data	itoring wells	Gas monitoring Air monitoring Other (specify	g data	
Notification attached?				
No. No groundwater standards or explo	osive gas limits were exceeded			
Yes, a notification of values exceeding	a groundwater standard is attac	ched. It includes a lis	t of monitoring points, o	lates, sample values,
groundwater standard and preliminary a	analysis of the cause and signif	icance of any concen	tration.	
Yes, a notification of values exceeding a explosive gas limits.	an explosive gas limit is attache	ed. It includes the mo	onitoring points, dates,	sample values and
Certification				
To the best of my knowledge, the info are true and correct. Furthermore, I l groundwater standards or explosive concentrations exceeding groundwa	have attached complete n gas levels, and a prelimin ter standards.	otification of any ary analysis of th	sampling values me e cause and signific	eeting or exceedir cance of
Fracy Ipavec	Sr. Envir	conmental Spe	cialist (414)	
facility Representative Name (Print)	TIUE	11	(Area Co	de) Telephone No.
Maca Sparke	07	109108		
Bignature	Date	e <i>l</i>		
FOR DNR USE ONLY. Check a	ction taken, and record date	and your initials. D	escribe on back side	if necessary.
Found uploading problems	s on	Initials		
☐ Notified contact of problem	ns on	Uploaded data su	ccessfully on	
EDD format(s): Diskette				r

ENVIRONMENTAL SAMPLING CORPORATION P.O. BOX 12 MUSKEGO, WI 53150

FAX COVER SHEET

	DATE:	6/24/08		TIME:	2:50 PM	_
	TO:	Hank Knehl	ng PH	ONE: 60	18-275-32	286
		WDNR		FAX: 6	08-275-3	3338
	FROM:	Tracy Ipavec ESC	PH(FA)		427-5033 427-5034	
	RE:	Refuse Hi	de away La	ndfill		
	Number o	of pages including cover	sheet: 21			
	Messag	ge				
	Attach the togo rapa now	thed give the May 2008 en May 2008 en ther the grown of and Send ust wanted to	private went at R undwater p it out to get these	00	will put	W/the CD)
r reduced	Simal defec Sany	fed in the	re mainin	po'va	s were te well	
	let -	me know if y Thanks, Tracy	gen have as	y que	shancs.	

CT LABORATORIES delivering more than data from your environmental analyses

A

ENVIRONMENTAL SAMPLING CORP.
Project Name: REFUSE HIDEAWAY 0508
Project #:

Contract #: 552
Folder #: 66487
Page 38 of 167

CT LAB#: 563648	Sample Desc	riplion: PW-SATHER						Sampled: 5	8/2008 104	10
Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Color (Field)	CLEAR		N/A	N/A	1			5/23/2008	PML	·
Conductivity (Field)	652	umhos/cm	N/A	N/A	1			5/23/2008	PML	
Odor (Field)	NONE		N/A	N/A	1		•	5/23/2008	PML	
oH (Field)	7.65	S.U.	N/A	N/A	1			5/23/2008	PML	
Temperature (Field)	12.2		N/A	N/A	·1			5/23/2008	PML	
Turbidity (Field)	NONE		N/A	N/A	1			5/23/2008	PML	. *
Organic Results		•					•			
1,1,1,2-Tetrachloroethane	<0.17	ug/L	0.17	0.56	1		•	5/14/2008 18:0	8 APG	EPA 524.2
i,1,1-Trichloroethane	<0.19	ug/L	0.19	0.62	1			5/14/2008 18:0	8 APG	EPA 524.2
1,1,2,2-Tetrachloroethane	<0.14	ug/L	0.14	0.46	1			5/14/2008 18:0	8 APG	EPA 524.2
1,1.2-Trichloroethane	<0.18	ug/L .	0.18	0.60	1			5/14/2008 18:	08 APG	EPA 524.2
1,1-Dichloroethane	<0.21	ug/L	0.21	0.69	1			5/14/2008 18:	08 APG	EPA 524.2
1,1-Dichloroethene	<0.24	ug/L	0.24	0.80	1			5/14/2008 18:	08 APG	EPA 524.2
1,1-Dichloropropene	<0.29	. ug/L	0.29	0.97	1			5/14/2008 18:	08 APG	EPA 524.2
1,2,3-Trichlorobenzene	<0.28	ug/L	0.28	0.94	1			5/14/2008 18:	08 APG	EPA 524.2
1,2,3-Trichloropropane	<0.23	ug/L	0.23	0.77	1			5/14/2008 18:	08 APG	EPA 524.2
1,2,4-Trichlorobenzene	<0.28	ug/L	0.28	0.93	1		•	5/14/2008 18:	08 APG	EPA 524.2
1,2,4-Trimelhylbenzene	<0.10	ug/L	0.10	0.34	1			5/14/2008 18:	08 APG	EPA 524.2
1,2-Dichlorobenzene	<0.17	ug/L	0.17	0.58	1			5/14/2008 18:	08 APG	EPA 524.2
1,2-Dichloroethane	<0.19	ug/L	0.19	0.62	. 1			5/14/2008 18:	08 APG	EPA 524.2
1,2-Dichloropropane	<0.17	ug/L	0.17	0.56	1	•		5/14/2008 18:	08 APG	EPA 524.2
cis-1,2-Dichloroethene	<0.21	ug/L	0.21	0.69	. 1	•		5/14/2008 18:	08 APG	EPA 524.2
trans-1,2-Dichloroethene	<0.27	ug/L	0.27	0.91	1			5/14/2008 18	.08 APG	EPA 524.2
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			5/14/2008 18	08 APG	EPA 524.2



ENVIRONMENTAL SAMPLING CORP.
Project Name: REFUSE HIDEAWAY 0508
Project #:

Contract #: 552 Folder #: 66487 Page 40 of 167

CT LAB#: 563648	Sample Descr	ription: PW-SATHER						Sampled: 5/8/2008 1040
Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Data/Time	Analysis Analyst Method Date/Time
Hexachlorobutadiene	<0.30	ug/L	0.30	1.2	1			5/14/2008 18:0B APG EPA 524.
Isopropylbenzene	<0.30	ug/L	0.30	1.1	1			5/14/2008 18:08 APG EPA 524.
p-Isopropyttoluene	<0.20	ug/L	0.20	0.67	1			5/14/2008 18:08 APG EPA 524.
Methyl tert-butyl ether	<0.13	ug/L	0.13	0.45	1			5/14/2008 18:08 APG EPA 524.
Methylene chloride	<0.50	ug/L	0.50	1.6	1		•	5/14/2008 18:08 APG EPA 524:
Naphihalene	<0.25	ug/L	0.25	0.84	1	,		5/14/2008 18:08 APG EPA 524.
n-Propylbenzene	<0.40	ս ց/L	0.40	1.3	1		• .	5/14/2008 18:08 APG : EPA 524.
Styrene	<0.16	սց/L	0.16	0.54	1	•.	•	5/14/2008 18:08 APG EPA 524.
Tetrachlorocthene	<0.30	ug/L	0.30	1.1	1			5/14/2008 18:08 APG EPA 524.
Toluen e	<0.28	ug/L	0.28	0.92	. 1			5/14/2008 18:08 APG EPA 524.
Trichloroethene	<0.24	ug/L	0.24	08.0	1		\$	5/14/2008 18:08 APG EPA 524
Trichlorofluoromethane	<0.16	ug/L	0.16	0.54	1			5/14/2008 18:08 APG EPA 524
Vinyl chloride	<0.11	ug/L	0.11	0.35	1			5/14/2008 18:08 APG EPA 524
Total Xylene	<0.40	ug/L	0.40	1.3	1			5/14/2008 18:08 APG EPA 524

CT LAB#: 563649	Sample Descri	Sampled: 5/8/2008 0935								
Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
ield Results										
Color (Field)	CLEAR		N/A	N/A	1			5/23/2008	PML	
Conductivity (Field)	665	umhos/cm	N/A	N/A	1			5/23/2008	PML	
Odor (Field)	NONE		N/A	N/A	1			5/23/2008	PML	
pH (Field)	6.48	S.U.	N/A	N/A	1			5/23/2008	PML	
Temperature (Field)	11.2		N/A	N/A	1			5/23/2008	PML	
Turbidily (Field)	NONE	•	N/A	N/A	1			5/23/2008	PML	



Ø 003

CT LABORATORIES

ENVIRONMENTAL SAMPLING CORP.
Project Name: REFUSE HIDEAWAY 0508
Project #:

Contract #: 552 Folder #: 66487 Page 41 of 167

delivering more than data from your environmental analyses

CT LAB#: 563649	Sample Desc	ription: PW-BONK	<u> </u>			Sampled: 5/8/2008 0935				
Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Analyst Method Date/Time		
Organic Results										
1,1,1,2-Tetrachloroethane	<0.17	ug/L	0.17	0.56	1			5/14/2008 18:45 APG EPA 524.2		
1,1.1-Trichloroethane	<0.19	ug/l.	0.19	0.62	1		٠. ٨	5/14/2008 18:45 APG EPA 524.2		
1,1,2,2-Tetrachloroethane	<0.14	ug/L	0.14	0,46	1 -		•	5/14/2008 18:45 APG EPA 524.2		
1,1,2-Trichloroethane	<0.18	ug/L	0.18	0.60	1			5/14/2008 18:45 APG EPA 524.2		
1,1-Dichlorœthane	<0.21	úg/L	0.21	0.69	1			5/14/2008 18:45 APG EPA 524.2		
1,1-Dichloroethene	<0.24	ug/L	0.24	0.80	1		* * * * * * * * * * * * * * * * * * *	5/14/2008 18:45 APG EPA 524.2		
1,1-Dichloropropene	<0.29	ug/L	0.29	0.97	1			5/14/2008 18:45 APG EPA 524.2		
1,2,3-Trichiorobenzene	<0.28	ug/L	0.28	0.94	1	•	•	5/14/2008 18:45 APG EPA 524.2		
1,2,3-Trichleropropane	<0.23	ug/L	0.23	0.77	1		•	5/14/2008 18:45 APG EPA 524.2		
1,2,4-Trichlorobenzene	<0.28	ug/L	0.28	0.93	1			5/14/2008 18:45 APG EPA 524.2		
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.34	1			5/14/2008 18:45 APG EPA 524.2		
1,2-Dichlorobenzene	<0.17	ug/L	0.17	0.58	1			5/14/2008 18:45 APG EPA 524.2		
1,2-Dichloroethane	<0.19	ug/L	0.19	0.62	15			5/14/2008 18:45 APG EPA 524.2		
1,2-Dichloropropane	<0.17	uġ/L	0.17	0,56	1			5/14/2008 18:45 APG EPA 524.2		
cis-1,2-Dichloroelhene	<0.21	ug/L	0.21	0.69	1			5/14/2008 18:45 APG EPA 524.2		
irans-1,2-Dichloroethene	<0.27	ug/L	0.27	0.91	1			5/14/2008 18:45 APG EPA 524.2		
1,3,5-Trimelhylbenzene	<0.40	ug/L	0.40	1.3	1	٠.		5/14/2008 18:45. APG EPA 524.2		
1,3-Dichlorobenzene	<0.19	ι⁄g/L	0.19	0.62	1			5/14/2008 18:45 APG EPA 524:2		
1,3-Dichloropropane	<0.40	ug/L	0.40	1.3	1			5/14/2008 18:45 APG EPA 524.2		
cis-1,3-Dichloropropene	<0.10	ug/L	0.10	0.33	1			5/14/2008 18:45 APG EPA 524.2		
trans-1,3-Dichloropropene	<0.13	ug/L	0.13	0.43	1			5/14/2008 18:45 APG EPA 524.2		
1,4-Dichlorobenzene	<0.11	ug/L	0.11	0.38	1		•	5/14/2008 18:45 APG EPA 524.2		
2,2-Dichloropropane	<0.19	ug/L	0.19	0.65	1			5/14/2008 18:45 APG EPA 524.2		
2-Chlorotoluene	<0.40	ւթյ/L	0.40	1.3	1			5/14/2008 18:45 APG EPA 524.2		
4-Chlorotaluene	<0.17	ug/L	0.17	0.57	1			5/14/2008 18:45 APG EPA 524.2		



CT LABORATORIES delivering more than data from your environmental analyses

ENVIRONMENTAL SAMPLING CORP.
Project Name: REFUSE HIDEAWAY 0508
Project #:

Contract #: 552 Folder #: 66487 Page 42 of 167

CT LAB#: 563649	Sample Desc	Sampled: 5/8/2008 0935						
Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Tirne	Analysis Analyst Method Date/Time
Benzene	<0.12	ug/L	0.12	0.40	1			5/14/2008 18:45 APG EPA 524.2
Bromobenzene	<0.14	ug/L	0.14	0.48	1		•	5/14/2008 18:45 APG EPA 524.2
Bromochloromethane	<0.20	იმኒ	0.20	0.68	ŧ			5/14/2008 18:45 APG EPA 524.2
Bromodichloromethane	<0.14	ug/L.	0.14	0.46	- 1		•	5/14/2008 18:45 APG EPA 524.2
Bromoform	<0.28	ug/L	0.28	0.94	1		•	5/14/2008 18:45 APG EPA 524.2
Bromomethane	<0.30	ug/L	0.30	1.1	1		• ,	5/14/2008 18:45 APG EPA 524.2
n-Butylbenzene	<0.30	ug/L	0.30	1.1	1		•	5/14/2008 18:45 APG EPA 524.2
sec-Bulyfbenzene	<0:40	ug/L	0.40	1.3	1			5/14/2008 18:45 APG EPA 524.2
ert-Bulyibenzene	<0.40	'ug/L	0.40	1.3	1		•	5/14/2008 18:45 APG EPA 524.2
Carbon tetrachloride	<0.18	. ug/L	0.18	0.58	1			5/14/2008 18:45 APG EPA 524.2
Chlorobenzene	<0.13	ug/L	0.13	0.42	1.			5/14/2008 18:45 APG EPA 524.2
ensatismomordiberold	<0.30	սց/Լ	0.30	1.0	1			5/14/2008 18:45 APG EPA 524.3
Chloroethane	<0.40	ug/L	0.40	1.3	1		• .	5/14/2008 18:45 APG EPA 524.
Chloroform	<0.14	ug/L	0.14	0.47	1			5/14/2008 18:45 APG EPA 524.3
Chloromethane.	<0.22	ùg/L	0.22	0.75	1		•	5/14/2008 18:45 APG EPA 524.:
Dibromomethane	<0.40	ug/L	0.40	1,2	1			5/14/2008 18:45 APG EPA 524.
Dichlorodifluoromethane	<0.40	ug∕L	0.40	1.2	1			5/14/2008 18:45 APG EPA 524.:
Ethylbenzene	<0.25	ug/L	0.25	0.84	1			5/14/2008 18:45 APG EPA 524.
dexachlorobuladiene	<0.30	ug/L	0.30	1.2	1			5/14/2008 18:45 APG EPA 524.
sopropylbenzene	<0.30	ug/L	0.30	1.1	1			5/14/2008 18:45 APG EPA 524.
>-Isopropyltoluene	<0.20	ug/L	0.20	0.67	1			5/14/2008 18:45 APG EPA 524.
Methyl tert-butyl elher	<0.13	ug/L	0.13	0.45	1			5/14/2008 18:45 APG EPA 524.
Methylene chloride	<0.50	ug/L	0.50	1.6	1			5/14/2008 18:45 APG EPA 524.
Naphihalene .	<0.25	ug/L	0.25	0.84	1			5/14/2008 18:45 APG EPA 524.
n-Propylbenzene	<0.40	ug/L	0.40	1.3	1			5/14/2008 18:45 APG EPA 524.
Styrene	<0.16	ug/L	0.16	0.54	1			5/14/2008 18:45 APG EPA 524.



CT LABORATORIES delivering more than data from your environmental analyses

ENVIRONMENTAL SAMPLING CORP.

Project Name: REFUSE HIDEAWAY 0508

Project #:

Contract #: 552 Folder #: 66487 Page 43 of 167

CT LAB#: 563649	Sample Desc	ription: PW-BONK	Sample Description: PW-BONK Sampled: 5/8/2008 0935									
Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method		
Tetrachloroethene	<0.30	ug/L	0.30	1.1	1		:	5/14/2008 18:45	APG	EPA 524.2		
Toluene	<0.28	ug/L	. 0.28	0.92	1			5/14/2008 18:45	APG	EPA 524.2		
Trichloraelhene	<0.24	ug/L	0.24	0.80	1			5/14/2008 18:45	APG	EPA 524.2		
Trichlorofluoromethane	<0.16	ug/L	0.16	0.54	1			5/14/2008 18:45	APG	EPA 524.2		
Vinyl chloride	_<0.11	ug/L	0.11	0.35	1			5/14/2008 18:45	APG.	EPA 524.2		
Total Xylene	<0.40	ug/L	0.40	1.3	1		•	5/14/2008 18:45	APG	EPA 524.2		
CT LAB#: 563650	Sample Desc	ription: PW-BULA			DNR Licens	se/Well#: 019	53/302	Sampled: 5/	V200B 094	10		
Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method .		
Field Results								1	•			
Color (Field)	CLEAR	,	NVA	N/A	1			5/23/2008	PML			
Conductivity (Field)	650	umhos/cm	N/A	N/A	1			5/23/2008	PML			
Odor (Field)	NONE		N/A	N/A	:			5/23/2008	PML			
pH (Fiekl)	6.89	S.U.	N/A	N/A	1			5/23/2008	PML			
Temperature (Field)	11.3		N/A	N/A	1			5/23/2008	PML			
Turbidity (Field)	NONE		NA	N/A	1			5/23/2008	PML			
Organic Results												
1,1,1,2-Tetrachloroethane	<0.17	ug/L	0.17	0.56	1		• • •	5/14/2008 19:24	APG	EPA 524.2		
1,1,1-Trichloroethane	<0.19	ug/L	0.19	0.62	1			5/14/2008 19:24	APG	EPA 524.2		
1,1,2,2-Tetrachloroethane	<0.14	ug/L	0.14	0.46	1			5/14/2008 19:24	4 APG	EPA 524.2		
1,1,2-Trichloroethane	<0.18	ug/L	0.18	0.60	1			5/14/2008 19:24	4 APG	EPA 524.2		
1,1-Dichloroethane	<0.21	ug/L	0.21	0.69	1			5/14/2008 19:24	4 APG	EPA 524.2		
1.1-Dichloroethene	<0.24	ug/L	0.24	0.80	1			5/14/2008 19:24	4 APG	EPA 524.2		
1,1-Dichloropropene	<0.29	ug/L	0.29	0.97	1			5/14/2008 19:24	4 APG	EPA 524.2		



CT LABORATORIES clelivering more than data from your environmental analyses

S # 1

ENVIRONMENTAL SAMPLING CORP.
Project Name: REFUSE HIDEAWAY 0508

Project #:

Contract #: 552 Folder #: 66487 Page 44 of 167

CT LAB#: 563650	Sample Descr	•	DNR Licens	ie/Well#: 019	953/302	Sampled: 5/8/2008 0940				
Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,2,3-Trichtorobenzene	<0.28	ug∕L	0.28	0.94	1			5/14/2008 19:2	4 APG	EPA 524.2
1,2,3-Trichloropropane	<0.23	ug/L	0.23	0.77	1			5/14/2008: 19:2	4 APG	EPA 524.2
1,2,4-Trichlorobenzene	<0.28	ug/L	0.28	0.93	1	•		5/14/2008 19:2	4 APG	EPA 524.2
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.34	• 1	•		5/14/2008 19:2	4 APG	EPA 524.2
1,2-Dichlorobenzene	<0.17	ug/L	0.17	0.58	1			5/14/2008 19:2	4 APG	EPA 524.2
1,2-Dichloroelhane	<0.19	ug/L	0.19	. 0.62	1			5/14/2008 19:2	4 APG	EPA 524.2
1,2-Dichloropropane	<0.17	ug/L	0.17	0.56	1			5/14/2008 19:2	4 APG	EPA 524.2
cis-1,2-DicNoroethene	<0.21	ug/L	0.21	0.69	1			5/14/2008 19:2	4 APG	EPA 524.2
cans-1,2-Dichloroelhene	<0.27	· ug/L	9.27	0,91	1			5/14/2008 19:2	4 APG	EPA 524.2
1,3,5·Trimethylbenzene	<0.40	ug/L ·	0.40	1.3	1		•	5/14/2008 19:2	4 APG	EPA 524.2
1,3-Dichlorobenzene	<0.19	ug/L	0.19	0.62	1			5/14/2008 19:2	4 APG	EPA 524.2
1,3-Dichloropropane	<0.40	ug/L	0.40	1,3	1		: .	5/14/2008 1 9:2	4 APG	EPA 524.2
cis-1,3-Dichloropropene	<0.10	ùg /l ∟	0.10	0.33	1			5/14/2008 19:3	4 APG	EPA 524.2
Irans-1,3-Dichloropropene	<0.13	ug/L	0.13	0.43	1			5/14/2008 19:2	4 APG	EPA 524.2
1,4-Dichlorobenzene	<0.11	ug/L	0.11	0.38	1			5/14/2008 19:3	4 APG	EPA 524.2
2,2-Dichloropropane	<0.19	ug/L	0.19	0.65	1		. •	5/14/2008 19:3	4 APG	EPA 524.2
2-Chlorotoluene	<0.40	ug/L	0.40	1.3	· 1		• • •	5/14/2008 19:3	4 APG	EPA 524.2
4-Chlorotoluene	<0.17	ug/L	0.17	0.57	1		• •	5/14/2008 19:3	4 APG	EPA 524.2
Benzene	<0.12	ug/L	0.12	0.40	. 1			5/14/2008 19:3	24 APG	EPA 524.2
Bromobenzene	<0.14	ug/L	0.14	0.48	1 -			5/14/2008 19:	24 APG	EPA 524.2
Bromochloromethane	<0.20	ug/L	0.20	0.66	1			5/14/2008 19:	24 APG	EPA 524.2
Bromodichloromethane	<0.14	ug/L	0.14	0.46	1			5/14/2008 19:	24 APG	EPA 524.2
Bromoform	<0.28	ug/L	0.28	0.94	1			5/14/2008 19:	24 APG	EPA 524.2
Bromomethane	<0.30	ug/L	0.30	1.1	1			5/14/2008 19:	24 APG	EPA 524.2
n-Butylbenzene	<0.30	ug/L	0.30	1.1	1			5/14/2008 19:	24 APG	EPA 524.2
sec-Bulylbenzene	<0.40	ug/L	0.40	1.3	1			5/14/2008 19:	24 APG	EPA 524.2



Contract #: 552 Folder #: 66487 Page 45 of 167

CT LAB#: 563650	Sample Descr	iption: PW-BULA			DNR License	e/Well #: 019	153/302	Sampled: 5/8/2008 0940
Analyte	Result	Units	LOD	LOQ	Dilution	Qualifler	Prep Date/Time	Analysis Analyst Method Date/Time
tert-Butylbenzene	<0.40	ug/L	0.40	1.3	1			5/14/2008 19:24 APG EPA 524.2
Carbon letrachloride	<0.18	ug/L	0.18	0.58	, 1			5/14/2008 19:24 APG EPA 524.2
Chlorobenzene	<0.13	ug/L	0.13	0.42	1.			5/14/2008 19:24 APG EPA 524.2
Chlorodibromomethane	<0.30	ug/L	0.30	1.0	1			5/14/2008 19:24 APG EPA 524.2
Chloroethane	<0.40	ug/L	0.40	1.3	11			5/14/2008 19:24 APG EPA 524.2
Chloroform	<0.14	ug/L	0.14	0.47	1			5/14/2008 19:24 APG EPA 524,2
Chloromethane	<0.22	ug/L	0.22	0.75	1			5/14/2008 19:24 APG EPA 524,2
Dibromomethane.	<0.40	ug/L	. 0.40	1.2	1:			5/14/2008 19:24 APG EPA 524.2
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.2	1		•	5/14/2008 19:24 APG EPA 524.2-
Elhylbenzene	<0.25	ug/L	0.25	0.84	1			5/14/2008 19:24 APG EPA 524.2
Hexachlorobutadiene	<0.30	ug/L	0.30	1.2	1 :			5/14/2008 19:24 APG EPA 524.2
Isopropylbenzene	<0.30	ს g/L	0.30	1.1	1:			5/14/2008 19:24 APG EPA 524.2
p-Isopropylloluene	<0.20	· ug/L	0.20	0.67	1		٠.	5/14/2008 19:24 APG EPA 524.2
Methyl tert-butyl ether	<0.13	uˈg/L	0.13	0.45	· 1·			5/14/2008 19:24 APG EPA 524.2
Methylene chloride	<0.50	ug/L	0.50	1.6	1			5/14/2008 19:24 APG EPA 524.2
Naphthalene	<0.25	ug/L	0.25	0.84	1			5/14/2008 19:24 APG EPA,524.2
n-Propylbenzene	<0.40	ug/L	0.40	1.3	1		1	5/14/2008 19:24 APG EPA 524.2
Styrene	<0.16	ug/L	0.16	0.54	1			5/14/2008 19:24 APG EPA 524.2
Tetrachloroethene	<0.30	ug/L	0.30	1.1	1		• .	5/14/2008 19:24 APG EPA 524.2
Toluene	<0.28	ug/L	0.28	0.92	1			5/14/2008 19:24 APG EPA 524.2
Trichlorgethene	<0.24	ug/L	0.24	08.0	1			5/14/2008 19:24 APG EPA 524.2
Trichlorofluoromethane	<0.16	ug/L	0.16	0.54	1			5/14/2008 19:24 APG EPA 524.2
Vinyl chloride	<0.11	ug/L	0.11	0.35	1			5/14/2008 19:24 APG EPA 524.2
Total Xylene	<0.40	ug/L	0.40	1.3	1		4.	5/14/2008 19:24 APG EPA 524.2



ENVIRONMENTAL SAMPLING CORP.

Project Name: REFUSE HIDEAWAY 0508

Project #:

Contract #: 552 Folder #: 66487 Page 46 of 167

CT LAB#: 563651	Sample Descr	ription: PW-WHEAT/KRU	JEGER	٠	DNR Licens	e/Well#: 019	153/303	Sampled:	5/8/2008 10 ⁻	15
Analyte	Result	Units	LOD	LOQ .	Dilution	Qualifier	Prep Date∏lme	Analysis Date/Time	Analysi	Method
Field Results		·								
Color (Field)	CLEAR		N/A	N/A	1			5/23/2008	PML	
Conductivity (Field)	1430	umhos/cm	N/A	N/A	1		•	5/23/2008	PML	
Odor (Field)	NONE		N/A	N/A	1			5/23/2008	PML	*
oH (Field)	7.13	S.U.	N/A	N/A	1			5/23/2008	PML	
Temperature (Field)	11.8		N/A	N/A	1.	•	•	5/23/2008	PML	
Turbidity (Field)	NONE		N/A	N/A	1.		•	5/23/2008	PML	
Organic Results							•	,		
1,1,1,2-Tetrachloroethane	<0.17	úg/L	0.17	0.56	1			-5/14/2008 20	:03 APG	EPA 524.2
1,1,1-Trichloroethane	<0.19	.ug/L	0.19	0.62	1.		•	5/14/2008 20	:03 APG	EPA 524.2
1,1,2,2-Tetrachloroethane	<0.14	ug/L	0.14	0.46	· 1	•		5/14/2008 20	:03 APG	EPA 524.2
1,1,2-Trichloroethane	<0.18	ug/L	0.18	0.60	1			5/14/2008 20	:03 APG	EPA 524.2
1,1-Dichloroethane	<0.21	ug/L	0.21	0.69	1			5/14/2008 20	:03 APG	EPA 524.2
1,1-Dichloroethene	<0.24	ug/L	0.24	. 0.80	1		•	5/14/2008 20	:03 APG	EPA 524.2
1,1-Dichloropropene	<0.29	ug/L	0.29	0.97	. 1	•		5/14/2008 20	:03 APG	EPA 524.2
1,2,3-Trichlorobenzene	<0.28	ug/L	0.28	0.94	1			5/14/2008 20	:03 APG	EPA 524.2
1,2,3-Trichloropropane	<0.23	ug/L	0.23	0.77	1		•.	5/14/2008 20	:03 APG	EPA 524.2
1,2,4-Trichlorobenzene	<0.28	· ug/L	0.28	0.93	1			5/14/2008 20	:03 APG	EPA 524.2
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.34	1			5/14/2008 20	:03 APG	EPA 524.2
1,2-Dichlorobenzene	<0.17	ug/L	0.17	0.58	1			5/14/2008 20	:03 APG	EPA 524.2
1,2-Dichlorgethane	<0.19	ug/L	0.19	0.62	1			5/14/2008 20	:03 APG	EPA 524.2
1,2-Dichloropropane	<0.17	ug/L	0.17	0.56	1.			5/14/2008 20	:03 APG	EPA 524.2
cis-1,2-Dichloroethene	<0.21	ug/L	0.21	0.69	1			5/14/2008 20	:03 APG	EPA 524.2
trans-1,2-Dichloroethene	<0.27	ug/L	0.27	0.91	1			5/14/2008 20	:03 APG	EPA 524.2
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			5/14/2008 20	:03 APG	EPA 524.2



CT LABORATORIES

ENVIRONMENTAL SAMPLING CORP.

Project Name: REFUSE HIDEAWAY 0508

Project #:

Contract #: 552 Folder #: 66487 Page 47 of 167

delivering more than data from your environmental analyses

CT LAB#: 563651	Sample Desc		DNR Licens	e/Well #: 019	53/303	Sampled: 5/8/2008 1015			
Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Analyst Method Date/Time	
1,3-Dichlorobenzene	<0.19	ug/L	0.19	0.62	1			5/14/2008 20:03 APG EPA 524.2	
1,3-Dichloropropane	<0.40	ug/L	0.40	1.3	1			5/14/2008 20:03 APG EPA 524.2	
cis-1,3-Dichloropropene	<0.10	ug/L	0.10	0.33	1	•		5/14/2008 20:03 APG EPA 524.2	
rans-1,3-Dichloropropene	<0.13	ug/L	0.13	0.43	1		;	5/14/2008 20:03 APG EPA 524.2	
,4-Dichlarobenzene	<0.11	u g/L	0.11	0.38	1			5/14/2008 20:03 APG EPA 524.2	
,2-Dichloropropane	<0.19	ug/L	0.19	0.65	1			5/14/2008 20:03 APG EPA 524.2	
2-Chlorotoluene	<0.40	ug/L	0.40	·· 1,3	1			5/14/2008 20:03 APG EPA 524.2	
I-Chloratoluene	<0.17	u g/L	0.17	0.57	1			5/14/2008 20:03 APG EPA 524.2	
Benzena	<0.12	ug/L	0.12	0.40	1		•	5/14/2008 20:03 APG EPA 524.2	
romobenzene ·	<0.14	ug/L	0.14	0.48	1			5/14/2008 20:03 APG EPA 524.2	
romochloromelhane	<0.20	ug/L	0.20	0.66	1			5/14/2008 20:03 APG EPA 524.2	
tromodichloromethane	<0.14	ug/L	· 0.14	0.46	1			5/14/2008 20:03 APG EPA 524.2	
Bromoform	<0.28	ug/L.	0.28	0.94	1		• "	5/14/2008 20:03 APG EPA 524.2	
Bromomethane	<0.30	ug/L	0.30	1.1	.1			5/14/2008 20:03 APG EPA 524.2	
Butylbenzene	<0.30	ug/L	0.30	1,1	- 1		•	5/14/2008 20:03 APG EPA 524,2	
ec-Butylbenzene	<0.40	ug/L	0.40	1.3	1		$\mathcal{I} = \{ e_i \mid e_i \in \mathcal{E}_i \mid e_i \in \mathcal{E}_i \}$	5/14/2008 20:03 APG EPA 524,2	
ert-Butylbenzene	<0.40	. ug/L	0.40	; 1.3	1			5/14/2008 20:03 APG EPA 524.2	
Carbon tetrachloride	<0.18	. ug/L	0.18	0.58	1		š	5/14/2008 20:03 APG EPA 524.2	
Chlorobenzene	<0.13	. ug/L	0.13	0.42	1		14 × 1	5/14/2008 20:03 APG EPA 524.2	
Chlorodibromomethane	<0.30	ug/L	0.30	1.0	1			5/14/2008 20:03 APG EPA 524.2	
Chloroethane	<0.40	ug/L	0.40	1.3	1			5/14/2008 20:03 APG EPA 524.2	
Chloroform	<0.14	ug/L	0.14	0.47	1			5/14/2008 20:03 APG EPA 524.2	
Chloromethane	<0.22	ug/L	0.22	0.75	1			5/14/2008 20:03 APG EPA 524.2	
Dibromomethane	<0.40	ug/L	0.40	1.2	1			5/14/2008 20:03 APG EPA 524.2	
Dichlorodiffuoromethane	<0.40	ug/L	0.40	1.2	1			5/14/2008 20:03 APG EPA 524.2	
Elhylbenzene	<0.25	ug/L	0.25	0.84	1			5/14/2008 20:03 APG EPA 524.2	



ENVIRONMENTAL SAMPLING CORP.
Project Name: REFUSE HIDEAWAY 0508

Project #:

Contract #: 552 Folder #: 66487 Page 48 of 167

CT LAB#: 563651	Sample Desc	ription: PW-WHEAT/K	RUEGER		DNR Licens	e/Well #: 019	53/303	Sampled: 5/8/2008 1015
Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Analyst Method Date∕Time
-lexachlorobuladiene	<0.30	. ug/L	0.30	1.2	1			5/14/2008 20:03 APG EPA 524.2
sopropylbenzene	<0.30	ug/L	0.30	1.1	· 1			5/14/2008 20:03 APG EPA 524.2
p-Isopropyllaluene	<0.20	ug/L	0.20	. 0,67	1			5/14/2006 20:03 APG EPA 524.2
Methyl tert-butyl ether	<0.13	ug/L	0.13	.0.45	. 1		•	5/14/2008 20:03 APG EPA 524.2
Methylene chloride	<0.50	ug/L	0.50	1.6	1			5/14/2008 20:03 APG EPA 524.2
Naphthalene	<0.25	ug/L	0.25	0.84	1			5/14/2008 20:03 APG EPA 524.2
n-Propylbenzene	<0.40	ug/L	0.40	1.3	1	•		5/14/2008 20:03 APG EPA 524.2
Styrene	<0.16	ug/L	0.16	0.54	1			5/14/2008 20:03 APG EPA 524.2
Tetrachlomethene	<0.30	ug/L.	0.30	1.1	1	•		5/14/2008 20:03 APG EPA 524.2
Toluene	<0.28	ug/L	0.28	0.92	1			5/14/2008 20:03 APG EPA 524.2
Trichloroethene	<0.24	ug/L	0.24	0.80	1		**	5/14/2008 20:03 APG EPA 524.2
Trichlorofluoromethane	<0.16	ug/L	0.16	0.54	1			5/14/2008 20:03 APG EPA 524.2
Vinyl chloride	<0.11	ug/L	0.11	0.35	1			5/14/2008 20:03 APG EPA 524.2
Total Xylene	<0.40	ug/L	0.40	1.3	1			5/14/2008 20:03 APG EPA 524.2

CT LAB#: 563652	Sample Descr	iption: PW-TANTROW/	HOMPSON		DNR Licens	se/Well #: 019	53/304	Sampled: 5	/8/2008 102	0 .
Analyte	Result	Units	LOD .	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Calor (Field)	CLEAR		N/A	N/A	1			5/23/2008	PML	
Conductivity (Field)	1476	umhos/cm	N/A	N/A	1			5/23/2008	PML	
Odor (Field)	NONE		N/A	N/A	1			5/23/2008	PML	
pH (Field)	7.70	S.U.	N/A	N/A	1			5/23/2008	PML	
Temperature (Field)	11.7		N/A	N/A	1			5/23/2008 .	PML	
Turbidity (Field)	NONE		N/A	N/A	1			5/23/2008	PML	-



ENVIRONMENTAL SAMPLING CORP.
Project Name: REFUSE HIDEAWAY 0508

Project #:

Contract #: 552 Folder #: 66487 Page 49 of 167

CT LAB#: 563652	Sample Descr	iption: PW-TANTRO	W/THOMPSON ·		DNR Licens	e/Well#: 01	953/304	Sampled: 5/8/2008 1020
Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Analyst Method Date/Time
Organic Results								
1,1,1,2-Tetrachloroethane	<0.17	ug/L	0.17	0.56	1			5/14/2008 20:40 APG EPA 524.2
1,1,1-Trichloroethane	<0.19	ug/L	0.19	0.62	1			5/14/2008 20:40 APG EPA 524.2
i,1,2,2-Tetrachloroethane	<0.14	' ug/L	0.14	0.46	1	•	•	5/14/2008 20:40 APG EPA 524,2
1,1,2-Trichloroethane	<0.18	ug/L	0.18	0.60	1			5/14/2008 20:40 APG EPA 524.2
I,1-Dichloroethane	<0.21	ug/L	0.21	0.69	1			5/14/2008 20:40 APG EPA 524.2
1,1-Dichloroethene	<0.24	ug/L	0.24	0.80	1			5/14/2008 20:40 APG EPA 524.2
1,1-Dichloropropena	<0.29	ug/L	0.29	0.97	1			5/14/2008 20:40 APG EPA 524.2
1,2,3-Trichlorobenzene	<0.28	ug/L	0.28	0.94	1			5/14/2008 20:40 APG EPA:524.2
1,2,3-Trichloropropane	<0.23	սց/L	0.23	0.77 -	1			5/14/2008 20:40 APG EPA 524.2
i,2,4-Trichlorobenzene	<0.28	ug/L	0.28	0.93	1 ·			5/14/2008 20:40 APG EPA 524.2
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.34	1			5/14/2008 20:40 APG EPA 524.2
1,2-Dichlorobenzene	<0.17	ug/L	0.17	0.58	1	•		5/14/2008 20:40 APG EPA 524.2
1,2-Dichloroethane	<0.19	ug/L	0.19	0.62	1		,	5/14/2008 20:40 APG EPA 524.2
1,2-Dichloropropane	<0.17	úg/L	0.17	0.56	1			5/14/2008 20:40 APG EPA 524.2
cis-1,2-Dichloroethene	<0.21	ug/L	0.21	0.69	1		•	5/14/2008 20:40 APG EPA:524.2
trans-1,2-Dichloroethene	<0.27	ug/L	0.27 .	0.91	1	•		5/14/2008 20:40 APG EPA 524.2
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			5/14/2008 20:40 APG EPA 524.2
1,3-Dichlorobenzene	<0.19	ug/L	0.19	0.62	1,			5/14/2008 20:40 APG EPA 524.2
1,3-Dichloropropane	<0.40	ug/L	0.40	1,3	1			5/14/2008 20:40 APG EPA 524.
cis-1,3-Dichloropropene	<0.10	ug/L	0.10	0.33	1			5/14/2008 20:40 APG EPA 524.
rans-1,3-Dichloropropene	<0.13	ug/L	0.13	0.43	1			5/14/2008 20:40 APG EPA 524.
1,4-Dichlorobenzene	<0.11	. นg/L	0.11	0.38	1			5/14/2008 20:40 APG EPA 524.
2,2-Dichloropropane	<0.19	n6\r	0.19	0.65	1			5/14/2008 20:40 APG EPA 524.
2-Chlorotoluene	<0.40	սց/Լ	0.40	1.3	1		,	5/14/2008 20:40 APG EPA 524.
4-Chlorotoluene	<0.17	ug/L	0.17	0.57	1			5/14/2008 20:40 APG EPA 524.



CT LABORATORIES

ENVIRONMENTAL SAMPLING CORP.
Project Name: REFUSE HIDEAWAY 0508
Project #:

Contract #: 552 Folder #: 66487 Page 50 of 167

delivering more than dota from your environmental analyses

CT LAB#: 563652	Sample Desc	riplion: PW-TANTROV	:	DNR Licens	e/Well#: 019	53/304	Sampled: 5/8/2008 1020			
Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Analyst Method Date/Time		
Benzene	<0.12	ւթ/Լ	. 0.12	0.40	1			5/14/2008 20:40 APG EPA 524.2		
Bromobenzene	<0.14	ug/L	0.14	0.48	1	·		5/14/2008 20:40 APG EPA 524.2		
Bromochloromethane	<0.20	ug/L	0.20	0.66	1		• •	5/14/2008 20:40 APG EPA 524.2		
Bromodichloromethane	<0.14	ug/L	0.14	0.46	1			5/14/2008 20:40 APG EPA 524.2		
Bromoform	<0.28	ug/L	0.28	0.94	1			5/14/2008 20:40 APG EPA 524.2		
Bromomethane	<0.30	ug/L	0.30	1.1	1			5/14/2008 20:40 APG EPA:524.2		
n-Butyibenzene	<0.30	ug/L	0.30	1.1	1		,	5/14/2008 20:40 APG EPA 524.2		
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1			5/14/2008 20:40 APG EPA 524.2		
ert-Buly/benzene	<0.40	ug/L	0.40	1.3	1			5/14/2008 20:40 APG EPA 524.2		
Carbon letrachloride	<0.18	ug/L	0.18	0.58	. 1			5/14/2008 20:40 APG EPA 524.2		
Chlorobenzene	<0.13	ug/L	0.13	0.42	1		•	5/14/2008 20:40 APG EPA 524.2		
Chlorodibromomethane	<0.30	ug/L	0.30	1.0	11			5/14/2008 20:40 APG EPA 524.2		
Chloroethane	<0.40	ug/L	0.40	1.3	1			5/14/2008 20:40 APG EPA 524.2		
Chloroform	<0.14	ug/L	0.14	0.47	. 1			5/14/2008 20:40 APG EPA 524.2		
Chloromethane	<0.22	ug/L	0.22	0.75	1			5/14/2008 20:40 APG EPA 524.2		
Dîbromomelhane	<0.40	ug/L	0.40	1.2	1			5/14/2008 20:40 APG EPA 524.2		
Dichlorodiffuoromethane	<0.40	ug/L	0.40	1.2	1			5/14/2008 20:40 APG EPA 524.2		
Ethylbenzene	<0.25	ug/L	0.25	0.84	1			5/14/2008 20:40 APG EPA 524.2		
Hexachlorobutadiene	<0.30	ug/L .	0.30	1.2	1			5/14/2008 20:40 APG EPA 524.2		
Isopropylbenzene	<0.30	ug/L	0.30	1,1	1	•		5/14/2008 20:40 APG EPA 524.2		
-Isopropylloluene	<0.20	ug/L	0.20	0.67	1		•	5/14/2008 20:40 APG EPA 524.2		
Methyl tert-butyl ether	<0.13	ug/L	0.13	0.45	1			5/14/2008 20:40 APG EPA 524.2		
Methylene chloride	<0.50	ug/L	0.50	1.6	1			5/14/2008 20:40 APG EPA 524.2		
Naphthalen e	<0.25	ug/L	0.25	0.84	1			5/14/2008 20:40 APG EPA 524.2		
n-Propylbenzene	<0.40	ug/L	0.40	1.3	1			5/14/2008 20:40 APG EPA 524.2		
Styrene	<0.16	ug/L	0.16	0.54	1	•		5/14/2008 20:40 APG EPA 524.2		



CT LABORATORIES delivering more than data from your environmental analyses

ENVIRONMENTAL SAMPLING CORP.
Project Name: REFUSE HIDEAWAY 0508

Project #:

Contract #: 552 Folder #: 66487 Page 51 of 167

CT LAB#: 563652	Sample Desc	Sample Description: PW-TANTROW/THOMPSON			DNR Licens	e/Well #: 019	53/304	Sampled: 5/8/2008 1020		
Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Analyst Method Date/Time		
etrachloroethene	<0.30	ug/L	0.30	1.1	· 1		· · · · · · · · · · · · · · · · · · ·	5/14/2006 20:40 APG EPA 524.2		
oluene	<0.28	ug/L	0.28	0.92	1			5/14/2008 20:40 APG EPA 524.2		
Trichloroethene	<0.24	ug/L	0.24	0.80	1			5/14/2008 20:40 APG EPA 524.2		
Frichlorofluoromethane	<0.16	ug/L	0.16	0.54	1			5/14/2008 20:40 APG EPA 524.2		
/inyl chloride	<0.11	ug/L	0.11	0.35	. 1		•	5/14/2008 20:40 APG EPA 524.2		
Total Xylene	<0.40	ug/L	0.40	1.3	1		•	5/14/2008 20:40 APG EPA 524.2		

CT LAB#: 563653	Sample Descr	ription: PW-SUMMERS			DNR License/	Well#: 019	53 <i>/</i> 307	Sampled:	5/8/2008 14	15
Analyte	Result	Units	LOD	LOC	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Color (Field)	CLEAR		N/A	N/A	1			5/23/2008	PML	•
Conductivity (Field)	634	umhos/cm	N/A	N/A	1			5/23/2008	PML	
Odor (Field)	NONE		N/A	N/A	1			5/23/2008	PML	
pH (Field)	7.53	S.U.	N/A	N/A	1			5/23/2008	PML	
Femperature (Field)	17.0		N/A	N/A	1			5/23/2008	PML	•
Turbidity (Field)	NONE		N/A	N/A	• 1 •			5/23/2008	PML	
Organic Results										
1,1,1,2-Tetrachloroelhane	<0.17	ug/L	0 .17	0.56	1 4			5/14/2008 21	:19 -APG	EPA 524.2
1,1,1-Trichloroethane	<0.19	ug/L	0 .19	0.62	1			5/14/2008 21	:19 APG	EPA 524.2
1,1,2,2-Tetrachloroethane	<0.14	ug/L	0.14	0.46	1			5/14/2008 2	:19 APG	EPA 524.2
1,1,2-Trichloroethane	<0.18	⊔ g ñ∟	0.18	0.60	1			5/14/2008 2	:19 APG	EPA 524.2
1,1-Dichloroelhane	<0.21	ug/L	0.21	0.69	1			5/14/2008 2	:19 APG	EPA 524.2
1,1-Dichloroethene	<0.24	ug/L	0.24	0.80	1			5/14/2008 2	:19 APG	EPA 524.2
1,1-Dichloropropene	<0.29	ug/L	0.29	0.97	1			5/14/2008 2	:19 APG	EPA 524.2



CT LABORATORIES

The state of the s

ENVIRONMENTAL SAMPLING CORP.
Project Name: REFUSE HIDEAWAY 0508
Project #:

Folder #: 66487 Page 52 of 167

Contract #: 552

delivering more than data from your environmental analyses

. CT LAB#: 563653	Sample Desc		DNR Licens	e/Well #: 019	953 <i>1</i> 307	Sampled: 5/8/2008 1415		
Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Analyst Method Date/Time
1,2,3-Trichlorobenzene	<0.28	ug/L	0.28	0.94	1		,	5/14/2008- 21:19 APG EPA 524.2
1,2,3-Trichloropropane	<0.23	. ug/L	0.23	0.77	1			5/14/2008 21:19 APG EPA 524.2
1,2,4-Trichlorobenzene	<0.28	ug/L	0.28	0.93	1			5/14/2008 21:19 APG EPA 524.2
1,2,4-Trimethylbenzene	<∪.10	ug/L	0.10	0.34	1			5/14/2008 21:19 APG EPA 524.2
1,2-Dichlerobenzene	<0.17	ug/L	0.17	0.58	1	•	•	5/14/2008 21:19 APG EPA 524.2
,2-Dichloroethane	<0.19	ug/L	0.19	0.62	1			5/14/2008 21:19 APG EPA 524.2
,2-Dichlcropropane	<0.17	ug/L	0.17	0.56	1			5/14/2008 21:19 APG' EPA 524.2
cis-1,2-Dichloroethene	<0.21	ug/L	0.21	0.69	1		· · ·	5/14/2008 21:19 APG EPA 524.2
rans-1,2-Dichloroethene	<0.27	ug/L	0.27	0.91	1			5/14/2008 21:19 APG EPA 524.2
,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	. 1			5/14/2008 21:19 APG EPA 524.2
,3-Dichlorobenzene	<0.19	ug/L	0.19	0.62	1			5/14/2008 21:19 APG EPA 524.2
,3-Dichloropropane	<0.40	ug/L	0.40	1.3	1			5/14/2008 21:19 APG EPA 524.2
is-1,3-Dichloropropene	<0.10	ug/L	0.10	0.33	1			5/14/2008 21:19 APG EPA 524.2
rans-1,3-Dichloropropene	<0.13	ug/L	0.13	0.43	1			5/14/2008 21:19 APG EPA 524.2
.4-Dichlorobenzene	<0.11	ug/L	0.11	0.38	1		•	5/14/2008 21:19 APG EPA 524.2
2,2-Dichloropropane	<0.19	ug/L	. 0.19	0.65	1		•	5/14/2008 21:19 APG EPA 524.2
2-Chlorotoluene	<0.40	ug/L	0.40	1.3	1.			5/14/2008 21:19 APG EPA 524.2
L-Chlorotoluene	<0.17	ug/L	0.17	0.57	1			5/14/2008 21:19 APG EPA 524.2
Benzene	<0.12	ug/L	0.12	0.40	1			5/14/2008 21:19 APG EPA 524.2
Bromobenzene	< 0.14	ug/L	0.14	0.48	1			5/14/2008 21:19 APG EPA 524.2
Bromochloromethane	<0.20	ug/L	0.20	0.66	1			5/14/2008 21:19 APG EPA 524.2
Bromodichloromethane	<0.14	ug/L	0.14	0.46	1			5/14/2008 21:19 APG EPA 524.2
Bromoform	<0.28	ug/L	0.28	0.94	1			5/14/2008 21:19 APG EPA 524.2
Bromomethane	<0.30	ug/L	0.30	1.1	1			5/14/2008 21:19 APG EPA 524.2
n-Bulylbenzene	<0.30	ug/L	0.30	1.1	1			5/14/2008 21:19 APG EPA 524.2
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1			5/14/2008 21:19 APG EPA 524.2



CT LABORATORIES

ENVIRONMENTAL SAMPLING CORP.

Project Name: REFUSE HIDEAWAY 0508

Project #:

Contract #: 552 Folder #: 66487 Page 53 of 167

delivering more than dard from your environmental analyses

CT LAB#: 563653	Sample Desc	ription: PW-SUMMERS			DNR Licens	e/Well #: 019	53/307	Sampled: 5/8/2008 1415
Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Analyst Method Date/Time
ert-Butylbenzene	<0.40	ug/L	0.40	1.3	1			5/14/2008 21:19 APG EPA 524.2
Carbon tetrachloride	<0.18	ug/L	0.18	0.58	1.			5/14/2008 21:19 APG EPA 524.2
Chiorobenzene	<6.13	ug/L	0.13	0.42	1		•	5/14/2008 21:19 APG EPA 524.2
Chlorodibromomethane	<0.30	ug/L	0.30	1.0	1			5/14/2008 21:19 APG EPA 524.2
Chloroethane	<0.40	ug/L	0.40	1.3	1			5/14/2008 21:19 APG EPA 524.2
Chloroform	<0.14	ug/L	0.14	0.47	1			5/14/2008 21:19 APG EPA 524.2
Chloromethane .	<0.22	ug/L	0.22	0.75	1			5/14/2008 21:19 APG EPA 524.2
Dibromomethane	<0.40	ug/L	0.40	1.2	• 1		٠.	5/14/2008 21:19 APG EPA 524.2
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.2	1			5/14/2008 21:19 APG EPA 524.2
Ethylbenzene	<0.25	ug/L	0.25	0.84	1			5/14/2008 21:19 APG EPA 524.2
-lexachlorobutadiene	<0.30	ug/L	0.30	1.2	1			5/14/2008 21:19 APG EPA 524.2
sopropylbenzene	<0.30	ug/L	0.30	1.1	1		• .	5/14/2008 21:19 APG EPA 524.2
o-Isopropyltoluene	<0.20	ug/L	0.20	0.67	1			5/14/2008 21:19 APG EPA 524.2
Methyl lert-butyl ether	<0.13	ug/L	0.13	0.45	1.			5/14/2008 21:19 APG EPA 524.2
Methylene chloride	<0.50	ug/L	0.50	1.6	1			5/14/2008 21:19 APG EPA 524.2
Naphthalene	<0.25	ug/L :	0.25	0.84	i		•	5/14/2008 21:19 APG EPA 524.2
n-Propylbenzene	<0.40	ug/L	0.40	1.3	1			5/14/2008 21:19 APG EPA 524.2
Styrene	<0,16	ug/L	0.16	0.54	1.		7	5/14/2008 21:19 APG EPA 524.2
Tetrachloroethene	<0.30	ug/L	0.30	1.1	1			5/14/2008 21:19 APG EPA 524.2
Toluene	<0.28	นอู/L	0.28	0.92	1		•	5/14/2008 21:19 APG EPA 524.2
Trichlomelhene	<0.24	ug/L	0.24	08.0	1			5/14/2008 21:19 APG EPA 524.2
Trichlorofluoromethane	<0.16	ug/L	0.16	0.54	1			5/14/2008 21:19 APG EPA 524.2
Vinyl chloride	<0.11	ug/L	0.11	0.35	1			5/14/2008 21:19 APG EPA 524.2
Total Xylene	<0.40	ս ց/ L	0.40	1.3	1			5/14/2008 21:19 APG EPA 524.2



ENVIRONMENTAL SAMPLING CORP.
Project Name: REFUSE HIDEAWAY 0508

Project #:

Contract #: 552 Folder #: 66487 Page 54 of 167

CT LAB#: 563654	Sample Desc	iption: PW-NOLES			DNR Licens	se/Well#: 019	Sampled: 5/8/2008 1110				
Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method	
Field Results		•	•					· :			
Color (Field)	CLEAR		N/A	N/A	1			5/23/2008	PML		
Conductivity (Field)	765	umhos/cm	N/A	N/A	1			5/23/2008	PML	·	
Odor (Field)	NONE		N/A	N/A	1			5/23/2008	PML		
oH (Field)	7.47	S.U.	N/A	N/A	1			5/23/2008	PML	•	
Temperature (Field)	13.1		N/A	N/A	1			5/23/2008	PML		
Turbidity (Field)	NONE		N/A	N/A	, 1		•	5/23/2008	PML	·	
Organic Results									. •		
1,1,1,2-Tetrachloroethane	<0.17	ug/L	0.17	0.56	1			5/14/2008 21:	57 APG	EPA 524.2	
1,1,1-Trichloroethane	<0.19	ug/L	0.19	0.62	1			5/14/2008 21:	67 APG	EPA 524.2	
1,1,2,2-Tetrachloroethane	<0.14	ug/L	0.14	0.46	· 1			5/14/2008 21:	67 APG	EPA 524.2	
1,1,2-Trichloroethane	<0.18	ug/L	0.18	0.60	٠ 1			5/14/2008 21:	57 APG	EPA 524.2	
1,1-Dichloroethane	0.46	ug/L	0.21	0.69	1			5/14/2008 21:	67 APG	EPA 524.2	
1,1-Dichloroethene	<0.24	ug/L	0.24	0.80	1			5/ 1 4/ 2 00 8 21:	67 APG	EPA 524.2	
1,1-Dichloropropene	<0.29	ug/L	0.29	0.97	1			5/14/2008 21:	57 APG	EPA 524.2	
1,2,3-Trichlorobenzene	<0.28	ug/L	0.28	0.94	1		•	5/14/2008 21:	57 APG	EPA 524.2	
1,2,3-Trichloropropane	<0.23	ug/L	0.23	0.77	1			5/14/2008 21:	57 APG	EPA 524.2	
1,2,4-Trichlorobenzene	<0.28	ug/L	0.28	0.93	1			5/14/2008 21:	57 APG	EPA 524.2	
1,2,4-Trimethy/benzene	<0.10	ug/L	0.10	0.34	1			5/14/2008 21:	57 APG	EPA 524.2	
1,2-Dichlorobenzene	<0.17	ug/L	0.17	0.58	1			5/14/2008 21:	57 APG	EPA 524.2	
1,2-Dichloroethane	<0.19	ug/L	0.19	0.62	1			5/14/2008 21:	57 APG	EPA 524.2	
1,2-Dichtoropropane	<0.17	ug/L	0.17	0.56	1			5/14/2008 21:	:57 APG	EPA 524.2	
cis-1,2-Dichloroethene	3.5	ug/L	0.21	0.69	1			5/14/2008 21:	:57 APG	EPA 524.2	
trans-1,2-Dichloroethene	<0.27	ug/L	0.27	0.91	1			5/14/2008 21	:57 APG	EPA 524.2	
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			5/14/2008 21	:57 APG	EPA 524.2	



CT LABORATORIES delivering more than data from your environmental analyses:

EN Pro

ENVIRONMENTAL SAMPLING CORP.
Project Name: REFUSE HIDEAWAY 0508
Project #:

Contract #: 552 Folder #: 66487 Page 55 of 167

CT LAB#. 563654	Sample Desc		DNR Licens	se/Well#: 019	53/312	Sampled: 5/8/2008 1110				
Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Analyst Method Date/Time		
1,3-Dichlorobenzene	<0.19	ug/L	0.19	0.62	. 1			5/14/2008 - 21:57 APG EPA 524.2		
1,3-Dichloropropane	<0.40	ug/L	0.40	1.3	1	•		5/14/2008 21:57 APG EPA 524.2		
cis-1,3-Dichloropropene	<0.10	· ug/L	0.10	C.33	1			5/14/2008 21:57 APG EPA 524.2		
trans-1,3-Dichloropropene	<0.13	ug/L	0.13	0.43	1			5/14/2008 21:57 APG EPA 524.2		
1,4-Dichlorobenzene	<0.11	ug/L	0.11	0.38	1			5/14/2008 21:57 APG EPA 524.2		
2,2-Dichloropropane	<0.19	· ug/Ľ	0.19	0.65	1			5/14/2008 21:57 APG EPA 524.2		
2-Chlorotoluene	<0.40	ug/L	0.40	1.3	1	•		5/14/2008 21:57 APG EPA 524.2		
4-Chlorotoluene	<0.17	ug/L	0.17	0.57	1			5/14/2008 21:57 APG EPA 524.2		
Benzene	<0.12	ug/L	0.12	0.40	1		•	5/14/2008 21:57 APG EPA 524,2		
Bromobenzene	<0.14	ug∕L	0.14	0.48	1			5/14/2008 21:57 APG EPA 524.2		
Bromochloromethane	<0.20	ს ჟ/L	0.20	0.66	1			5/14/2008 21:57 APG EPA 524.2		
Bromodichloromethane	<0.14	ug/L	0.14	0.46	· 1			5/14/2008 21:57 APG EPA 524.2		
Bromoform	<0.28	. սց/Լ	0.25	0.94	1			5/14/2008 21:57 APG EPA 524.2		
Bromomethane	<0.30	ug/L	0.30	1.1	1			5/14/2008 21:57 APG EPA 524.2		
n-Butylbenzene	<0.30	ug/L	0.30	1.1	. 1			5/14/2008 21:57 APG EPA 524.2		
sec-Butylbenzene	<0.40	·ug/L	0.40	1.3	1			5/14/2008 21:57 APG EPA 524.2		
tert-Butylbenzene	<0.40	ug/L	0.40	1.3	1			5/14/2008 21:57 APG EPA 524.2		
Carbon tetrachloride	<0.18	ug/L	0.18	0.58	1			5/14/2008 21:57 APG EPA 524.2		
Chlorobenzene	<0.13	ug/L	0.13	0.42	1		•	5/14/2008 21:57 APG EPA 524.2		
Chlorodibromomethane	<0.30	ug/L	0.30	1.0	1			5/14/2008 21:57 APG EPA 524.2		
Chloroethane	<0.40	ug/L	0.40	1.3	1			5/14/2008 21:57 APG EPA 524.2		
Chleroform	<0.14	ug/L	0.14	0.47	1			5/14/2008 21:57 APG EPA 524.2		
Chloromethane	<0.22	ug/L	0.22	0.75	1			5/14/2008 21:57 APG EPA 524.2		
Dibromomethane	<0.40	ug/L	0.40	1.2	1			5/14/2008 21:57 APG EPA 524.2		
Dichlorodifluoromethane	0.74	ug/L	0.40	1.2	1			5/14/2008 21:57 APG EPA 524.2		
Ethylbenzene	<0.25	ug/L	0.25	0.84	1			5/14/2008 21:57 APG EPA 524.2		



ENVIRONMENTAL SAMPLING CORP. Project Name: REFUSE HIDEAWAY 0508

Contract #: 552 Folder #: 66487 Page 56 of 167

Project #: delivering more than data from your environmental analyses

CT LAB#: 563654	Sample Desc	ription: PW-NOLES	-		DNR Licens	ie/Well #: 019	53/312	Sampled: 5/8/	2008 1110
Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst Method
lexachlorobuladiene	<0.30	ug/L	0.30	1.2	1			5/14/2008 21:57	APG EPA 524.2
sopropylbenzene	<0.30	ug/L	0.30	1.1	. 1			5/14/2008 21:57	APG EPA 524.2
a-Isopropyltaluene	<0.20	· ug/L	0.20	0.67	1			5/14/2008 21:57	APG EPA 524.2
Methyl tert-butyl ether	<0.13	ug/L	0.13	0.45	1			5/14/2008 21:57	APG EPA 524.2
Methylene chtoride	<0.50	ug/L	0 .50	1.6	1			5/14/2008 21:57	APG EPA 524.2
Naphthalene	<0.25	ug/L	0.25	0.84	1		• •	5/14/2008 21:57	APG EPA 524.2
-Propylbenzene	<0.40	ug/L	0.40	. 1.3	1			5/14/2008 21:57	APG EPA 524.2
Styrene	<0.16	ug/L	0.16	0.54	1			5/14/2008 21:57	APG EPA 524.2
etrachloroethene	4.4	ug/L	0.60	2.2	2			5/15/2008 12:51	RLD - EPA 524.2
Toluene ·	<0.28	ug/L	0.28	0.92	1 .			5/14/2008 21:57	APG EPA 524.2
richloroethene	1.7	ug/L	0.24	08.0	1		•	5/14/2008 21:57	APĠ EPA 524.2
Frichtoroffuoromethane	0.28	ug/L	G.16 ⁴	0.54	1			5/14/2008 21:57	APG EPA 524.2
/inyl chloride	<0.11	ug/L	0.11	-0.35	1			5/14/2008 21:57	APG EPA 524.2
Fotal Xylene	<0.40	'ug/L	0.40	1.3	.1			5/14/2008 21:57 ·	APG EPA 524.2
CT LAB#: 563655	Sample Desc	ription: PW-STOPPLEW	ORTH		DNR Licens	se/Well#: 019	53/311 -	Sampled: 5/9	/2008 1105
Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst Method

CT LAB#: 563655	Sample Desc	cription: PW-STOPPLEW	ORTH		DNR Licens	e/Well#: 019	Sampled: 5/9/2008 1105			
Analyte	Result	Units	LOD	LOQ	Q Dilution Qualifier Prep Date/Tin		Prep Date/Time	Analysis Dale∕Time	Analyst	Method
Field Results										
Color (Field)	CLEAR	•	N/A	N/A	1			5/23/2008	PML	
Conductivity (Field)	620	umhos/cm	N/A	N/A	1			5/23/2008	PML	
Odor (Field)	NONE		N/A	N/A	1			5/23/2008	PML	
pH (Field)	7.55	S .U.	N/A	N/A	1			5/23/2008	PML	
Temperature (Field)	11.8		N/A	N/A	1			5/23/2008	PML	
Turbidity (Field)	NONE		N/A	N/A .	1			5/23/2008	PML	



CT LABORATORIES delivering more than data from Your environmental analyses

A. Comment of the Com

ENVIRONMENTAL SAMPLING CORP.

Project Name: REFUSE HIDEAWAY 0508

Project #:

Contract #: 552 Folder #: 66487 Page 57 of 167

CT LAB#: 563655	Sample Descr	iption: PW-STOPPLE	WORTH		DNR Licens	e⁄Well#: 019	53/311	Sampled: 5/9/2008 1105				
Analyte	Result	Units	FOD	LOQ	Dilution	Qualifler	Prep Date/Time	Analysis Analyst Date/Time	Method			
Organic Results												
1,1,1,2-Tetrachloroethane	<0.17	ug/L	0.17	0.56	1			5/15/2008 10:55 APG	EPA 524.2			
,1,1-Yrichloroethane	<0.19	ug/L	0.19	0.62	1			-5/15/2008 10:55 APG	EPA 524.2			
,1,2,2-Tetrachloroethane	<0.14	ug/L	0.14	0.46	1			5/15/2008 10:55 APG	EPA 524.2			
,1,2-Trichloroethane	<0.18	ug/L	0.18	0.60	1			5/15/2008 10:55 APG	EPA 524.2			
1,1-Dichloroethane	0.21	ug/L	0.21 •	0.69	1			5/15/2008: 10:55 APG	EPA 524.2			
,1-Dichloroethene	<0.24	ug/L	0.24	0.80	1			5/15/2008 10:55 APG	EPA 524.2			
.1-Dichloropropene	<0.29	ug/L	0.29	. 0.97	1	•		5/15/2008 10:55 APG	EPA 524.2			
,2,3-Trichlorobenzene	<0.28	ug/L	0.28	0.94	1			5/15/2008 10:55 APG	EPA 524.2			
,2,3-Trichloropropane	<0.23	ug/L	0.23	0.77	1			5/15/2008 10:55 APG	EPA 524.2			
,2,4-Trichlerobenzene	<0.28	ug/L	0.28	0.93	1			5/15/2008 10:55 APG	EPA 524.2			
,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.34	1			5/15/2008 10:55 APG	EPA 524,2			
,2-Dichlorobenzene	<0.17	ug/L	0.17	0.58	1			5/15/2008 10:55 APG	EPA 524.2			
,2-Dichloroethane	<0.19	ug/L	0.19	0.62	1			5/15/2008 10:55 APG	EPA 524.2			
;2-Dichloropropane	<0.17	ug/L	0.17	0.56	1			5/15/2008 10:55 APG	EPA 524.2			
cis-1,2-Dichloroethene	1.5	ug/L	0.21	0.69	1			5/15/2008 10:55 APG	EPA 524.2			
rans-1,2-Dichloroethene	<0.27	ug/L	0.27	0.91	t.			5/15/2008 10:55 APG	EPA 524.2			
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	. 1.3	1			5/15/2008 10:55 APG	EPA 524.2			
1,3-Dichlorobenzene	<0.19	. ug/L	0.19	0.62	1		•	5/15/2008 10:55 APG	EPA 524.2			
1,3-Dichloropropane	<0.40	ug/L	0.40	1.3	1			5/15/2008 10:55 APG	EPA 524.2			
cis-1,3-Dichloropropene	<0.10	ug/L	0.10	0.33	1		•	5/15/2008 10:55 APG	EPA 524.2			
rans-1,3-Dichloropropene	<0.13	ug/L	0.13	0.43	1			5/15/2008 10:55 APG	EPA 524.2			
1,4-Dichlorobenzene	<0.11	ug/L	0.11	0.38	1			5/15/2008 10:55 APG	EPA 524.2			
2,2-Dichloropropane	<0,19	ug/L	0.19	0.65	1			5/15/2008 10:55 APG	EPA 524.2			
2-Chlorolojuene	<0.40	ug/L	0.40	1.3	1			5/15/2008 10:55 APG	EPA 524.2			
4-Chiorololuene	<0.17	ug/L	0.17	0.57	1			5/15/2008 10:55 APG	EPA 524.2			



ENVIRONMENTAL SAMPLING CORP. Project Name: REFUSE HIDEAWAY 0508

Project #:

Contract #: 552 Folder #: 66487 Page 58 of 167

CT LAB#: 563655	Sample Descr	Sample Description: PW-STOPPLEWORTH				e/Well#: 019	53/311	Sampled: 5/9/2008 1105			
Anatyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method	
Benzene	<0.12	ug/L	0.12	0.40	1			5/15/2008 10	:55 APG	EPA 524.2	
Bromobenze ne	<0.14	ug/L	0.14	0.48	1			5/15/2008 10	:55 APG	EPA 524.2	
Brorriochloromethane	<0.20	ug/L	0.20	0.66	1			5/15/2008 10	:55 APG	EPA 524.2	
Bromodichloromethane	<0.14	ug/L	0.14	0.46	1			5/15/2008 10	:55 APG	EPA 524.2	
Bromoform	<0.28	ug/L	0.28	0.94	1			5/15/2008 10	:55 APG	EPA 524.2	
Bromomethane	<0.30	ug/L	0.30	1.1	1			5/15/2008 10	:55 APG	EPA 524.2	
n-Bulylbenzene	<0.30	ug/L	0.30	1.1	1			5/15/2008 10	:55 APG	EPA 524.2	
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1			5/15/2008 10	:55 APG	EPA 524.2	
ert-Butylbenzene	<0.40	ug/L	0.40	1.3	· 1			5/15 /2008 10	:55 APG	EPA 524.2	
Carbon tetrachloride	<0.18	ug/L	0.18	0.58	1			5/15/2008 10	:55 APG	EPA 524.2	
Chlorobenzene	<0.13	ug/L	0.13	0.42	.1			5/15/2008 10	:55 APG	EPA 524.2	
Chlorodibromomethane	<0.30	ug/L.	0.30	1.0	. 1		i,	5/15/2008 10	55 APG	EPA 524.2	
Chloroethane	<0.40	ug/L	0.40	1.3	1			5/15/2008 1	:55 APG	EPA 524.2	
Chloroform	<0.14	ug/L	0.14	0.47	. 1.			5/15/2008 1):55 APG	EPA 524.2	
Chloromethane	<0.22	.ug/L	0.22	0.75	1			5/15/2008 1):55 APG	EPA 524.2	
Dibromomethane	<0.40	ug/L	0.40	1.2	1			5/15/2008 1):55 APG	EPA 524.2	
Dichlorodifluoromethane	0.48	ug/L	0.40 *	1.2	1			5/15/2008 1):55 APG	EPA 524.2	
Elhylbenzene	<0.25	· ug/L	0.25	0.84	1			5/15/2008 1):55 APG	EPA 524.2	
Hexachlorobuladiene	<0.30	ug/L	0.30	1.2	1			5/15/2008 1):55 APG	EPA 524.2	
sopropylbenzene	<0.30	ug/L	0.30	1.1	1			5/15/2008 1):55 APG	EPA 524.2	
p-Isopropyltoluene	<0.20	ug/L	0.20	0.67	1			5/15/2008 1):55 APG	EPA 524.2	
Methyl tert-butyl ether	<0.13	ug/L	0.13	0.45	1		•	5/15/2008 1	0:55 APG	EPA 524.2	
Methylene chloride	<0.50	ug/L	0.50	1.6	• 1			5/15/2008 1	0:55 APG	EPA 524.2	
Naphthalene	<0.25	ug/L	0.25	0.84	1		. •.	5/15/2008 1	0:55 APG	EPA 524.2	
n-Propylbenzene	<0.40	ug/L	0.40	1.3	1			5/15/2008 1	D:55 APG	EPA 524.2	
Styrene	<0.16	ug/L	0.16	0.54	1			5/15/2008 1	0:55 APG	EPA 524.2	



CT LABORATORIES

ENVIRONMENTAL SAMPLING CORP.
Project Name: REFUSE HIDEAWAY 0508

Project #:

Contract #: 552 Folder #: 66487 Page 59 of 167

delivering more than dota from your environmental analyses

CT LAB#: 563655	Sample Descr	iplion: PW-STOPPLEW	ORTH		DNR Licens	se/Well #: 019	53/311	Sampled: 5/9	9/2008 110	05	
Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date∕Time	Analysis Date/Time	Analyst	Method	_
Tetrachloroethene	2.9	ug/L	0.30	1.1	• 1			5/15/2008 10:55	APG	EPA 524.2	
Toluene	<0.28	ug/L	0.28	0.92	1	•		5/15/20 08 10:55	APG	EPA 524.2	
Trichloroethene	0.63	ug/L	0.24 3	0.80	1			5/15/2008 10:55	APG	EPA 524.2	
Trichlorofluoromethane	<0.16	ug/L	0.16	0.54	1			5/15/2008 10:55	APG	EPA 524.2	
Vinyl chloride	<0.11	ug/L	0.11	0.35	1.			5/15/2008 10:55	APG	EPA 524.2	
Total Xylene	<0.40	ug/L	0.40	1.3	1			5/15/2008 10:55	S APG	EPA 524.2	
CT LAB#: 563656	Sample Descr	iption: P-43D				 .		Sampled: 5/	8/2008 12	45	-
Analyte	Result	Units	LOD	Foð	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method	
Field Results											
Color (Field)	BROWN		N/A	N/A	1			5/23/2008	PML		
Conductivity (Field)	588	umhos/cm	N/A	N/A	1			5/23/2008	PML		
Groundwater Elevation (Field)	923.57	Feet MSL	N/A	N/A	. 1			5/23/2008	PML		
Odor (Field)	NONE		N/A	N/A	1			5/23/2008	PML		
pH (Field)	7.69	s.u.	N/A	· N/A	1			5/23/2008	PML		
Temperature (Field)	15.4	Deg. C	N/A	N/A	1			5/23/2008	PML		
Turbidity (Field)	MOD		N/A	N/A	1	•	• •	5/23/2008	PML	•	
Organic Results											
Acetone	<7.0	ug/L	7.0	22	1			5/17/2008 3:20) APG	EPA 8260B	
Benzene	<0.16	ug/L	0.16	0.55	1			5/17/2008 3:20	D APG	EPA 8260B	
Вгопюреизече	<0.30	ug/L	0.30	1.1	1			5/17/2008 3:20	0 APG	EPA 8260B	
Bromochloromethane	<0.21	ug/L	0.21	0.72	1			5/17/2008 3 :2	0 APG	EPA 8260B	
Bromodichloromethane	<0.19	ug/L	0.19	0.62	1			5/17/2008 3:2	O APG	EPA 8260B	
Bromoform	<0.50	ug/L	0.50	1.5	1	•		5/17/2008 3:2	0 APG	EPA 8260B	



Environmental Sampling Corp. (ESC) Field Status Report – May 2008

WDNR / Refuse Hideaway Landfill Middleton, Wisconsin



Page 1 of 1

Task	Sampling Period / Date	Sample Type / Description
I	05/07/08 - 05/09/08 & 05/12/08	Groundwater Monitoring Wells
II	05/08/08	Residential Wells
III	05/07/08 - 05/09/08	Ground Water Elevations

Project Status

- I. Groundwater Sampling: ESC staff was on site May 5 through May 7 to sample the groundwater the following groundwater monitoring wells: P-8D, P-8S, P-9D, P-9S, P-16D, P-16S, P-17S, P-18S, P-20SR, P-21S, P-21D, P-21BR, P-22D, P-22S, P-22E, P-23D, P-23S, P-24D, P-24E, P-25BR, P-25D, P-25S, P-26S, P-26D, P-27D, P-27S, P-28S, P-29S, P-30D, P-30D, P-31D, P-31DA, P-31B, P-31S, P-32D, P-32S, P-33D, P-34S, P-34D, P-40D, P-40I, P-41D, P-43S, P-43D. Additional three year groundwater samples collected at P-8BR, P-33S, P-35S and P-35D. The remaining wells were purged and sampled using submersible electric pumps, dedicated bladder pumps or bailers. Two duplicate samples (DUP01= P-28S and DUP-02 = P-18S) were collected in accordance with ESC's QA/QC procedures. A field blank (FB-01) was collected near P-29S. Several laboratory trip blanks also accompanied the samples. Groundwater elevations were also measured at 16 additional monitoring wells during the May 2008 event.
- II. <u>Residential Well Sampling:</u> ESC staff was on site May 6, 2008 to collect nine residential drinking water supply well samples (PW-Sather, PW-Bonk, PW-Summers, PW-Bula, PW-Wheat/Krueger, PW-Tantrow/Thompson, PW-Stoppleworth, & PW-Noles). One trip blank accompanied the samples in accordance with ESC's QA/QC procedures.
- III. <u>Groundwater Elevations:</u> ESC staff was on site May 7 through May 9 to collect the groundwater elevations from all of the remaining monitoring wells on site. Results were recorded on ESC's Field Sheet.

Task Deviations and Reporting Turnaround

Test results will be available in approximately 30 days.

Field Observations

- Dup-01 = P-27D
- Dup-02 = P-18S
- Break in well @ P-16S approximately 10.5 feet below ground surface.

Proposed Additional Actions

· Well repairs and new locks.

Other Observations

None.

Rev. 3/2006		Chain o	f Custod				Page/_ of			
Company: ESC Project Contact: Frank Pervision Telephone: 414-427-5033 Project Name: Refuse Nodeauxy Project Number: 5508 Project Location: WIL Sampled By Scott Fremule Regulatory Program:	1230 Lange Court, Baraboo, WI 53913 608-356-2760 Fax 608-356-2766 www.ctlaboratories.com Time Lab Use Only Place Header Sticker Here: ding in RUSH arges: 4-9 days 50%,					Mail Report To: Frank Perugin Company: Fank 1888 No th Cape) Address: WAY S 1808 No th Cape) City/State/Zip/Makegy WS 5315 Invoice To: Company: Soul as Allore Address: City/State/Zip:				
Solid Waste Other	subject to change with	e without notice.								
Client Special Instructions:	Filt?									
Landfill License Number: Collection Grab/ Sample ID	M Well ID #	Matrix:		,				Total # of Containers	Preservation*	* Preservation Code A=None B=HCL C=H2SO4 D=HNO3 E=Encore F=Methanol G=NaOH O=Other Lab ID #
Date Time Comp		C. 1 7	Fill in S	paces with	Bottles	per Test			0	Lau ID #
5/12/08 1145 6 /2/05 1320 F-21 BR 1350 P-25 BI 1350 P-25 S		GW 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3						N MANGO	BBBBB	
5/12/08 1145 G Dup-or	7 2	GJ 3	 					3	B	
Topis	brik -	WI						Ĭ	B	
<u> </u>		<u> </u>	<u> </u>	<u> </u>						
			 				<u> </u>	ļ	<u> </u>	
		 	 				 		 -	
S/2/08/700	linquished By:	Date/Time		Ice Prese Tempera	ture					**Matrix SI-Sludge M-Misc Waste vater SW-Surface Water
Second by: Date/Time Received for Laboratory by: Date/Time				Cooler #		•				iter DW-Drinking Water

Rev. 3/2006		(Chain c	of Custody			Page // of 5						
Company: € 5 ⊂				1230 Lang				Mail R	Report 7	To: Era	nk Rrugini		
Project Contact: FRANK PERULINI	CTLabora	ato <u>r</u>	nes		-2760 I			Com	pany:	EX	COCCULA DE A TO 1		
Telephone: 414 427 5033	Turnaround	Time a	chair etatein	T WM	w.ctlabo	ratories.	om	Addı	ress:W	MY 27	508NorthCopeRd		
Project Name: Refuse HIDEAWAY 0508	Normal F			*******	****	******	****	****** ity/	State	/Zip:	r <5150		
Project Number: -	Date Needed			****	197			oio.	e To:	u w			
Project Location: RHL, Middleton, WI				Folder #: 66	40 / 	ENTAL	SA.	m	mpany: Jame as Above				
Sampled By: SEREMY MCIATURE (ESC) TRACY IPAUEC	*Notify Lab prior to se samples. Surc							dress: Janua as Allow					
Regulatory Program:	24 hr 200% 2-3 days 100		ays 50%,	Project: REF	USE HID	BAWY	7		/State	/Zip:			
UST RCRA SDWA NPDES	A SDWA NPDES subject to change without notice. Logged By: JLS PM: Logged By: JLS PM:						*********** ********	*********	lo.				
中华京年第一年中华 中华 中								····	,				
Client Special Instructions:	Filt	? Y/N			+]				
			3		-				S	}	}		
· ·	#		T (of Containers		* Preservation Code		
1	WDNR Well ID#		5		}		1		\ <u>\f{g}</u>	*#	A=None B=HCL C=H2SO4 D=HNO3		
	Wel	l ×							Jo	Preservation*	E=Encore F=Methanol		
Landfill License Number:	Ä	*Matrix:	\ \delta \			l			# [7	l ss	G=NaOH		
Collection Grab/ C 1 v	-	* *	3						Total	Pre	O=Other		
Date Time Comp Sample I	D Description			Fill in Spa	Fill in Spaces with Bottles per Test						Lab ID#		
5/8 1225 G P-30		9 CM							3	B	563636		
518 1250 P-85	·		3						3	B	57.3637		
2/8 / b- dD		\bot	3						3	B	57.3638		
518 1555 P-95			3		<u> </u>				3	B	57,3639		
5/8 1515 P-16D			3	<u> </u>		<u> </u>			3	B	563640		
5/8 1510 P-165			3			<u> </u>			3	B	563641		
518 1740 P-205			3	 					3	ß	563642		
518 1450 P-210			3				<u>.</u>		3	B	563643		
512 1440 P-215			3		·				3	ß	563644		
5/8 1620 P-235		*	3						. 3	12	563645		
518 1335 G P-24 C	>	GW							3	B	563646		
518 1350 G P-24E		GW	3			L			3	B	563647		
				<u> </u>							<u></u>		
	Relinquished By:	Date,	/Time		Ta - 10	F		NT-			**Matrix		
State 1500 5/1/08 1700	·				Ice Pres		Yes /	/ No			SI-Sludge M-Misc Waste		
Date/Time	Received for Laboratory by:	Date	Time	r	Cooler #		5.3	848			water SW-Surface Water		
	M	1 51	2/00	9/0	1/2/0	-		1	VV VV-'	vv astew a	ater DW-Drinking Water		
		<u> </u>			11010	8 00	70 /	\sim \perp					

Rev. 3/2006		Chain of Custody								Page	2	of 5	
Company: ESC				1230 Lan		Baraboo	o, WI 53	3913	Mail R	eport 7	o: Fx	of_5 amk Porvyono 19809 North Capellel	
Project Contact: FRANK PERULUI	CTLabor	ator	168	608-35	5 -27 60]	Fax 608-	-356-276		Comp	any:	ESC.		
Telephone: 414427 5033		ad comment constitu	anvitalisments.	w	vw.ctlabo	ratories	.com		Addr	ess: U	May 5	7503 North Cape Re	
Project Name: Refuse Highany 0508	Turnaround		}		Lab Us	se Only							
Project Number: -	Nomiai 1		1		Place Header		lere.	7	1145	Keg	DIW	I 5 5150	
Project Location: RHL, Middles, wi	Date Needed						N	/	Com	Sann.	_	1	
Sampled By:	*Notify Lab prior to se		RUSH			(j) (b)	Y D	Ī	Addr	ess.	Gue	e as above	
Regulatory Program:	samples. Surd 24 hr 200% 2-3 days 100	charges:	TO ECO/			14) Q	C		City/State/Zip:				
UST RCRA SDWA NPDES	subject to change w				•	W							
Solid Waste Other			1						PON	0.			
Client Special Instructions:	Filt	? Y/N											
										3.TS			
			V-Hcl)]					Fotal # of Containers		* Preservation Code	
	WDNR Well ID#	; <u> </u>	1 3	1	ļ				ŀ	out	* <u>F</u>	A=None B=HCL	
	Vell	ן ט			1]	•		ofC	Preservation*	C=H2SO4 D=HNO3 E=Encore F=Methanol	
Landfill License Number:	K V	*Matrix:	,	!						#	, kg	G=NaOH	
·		Ĭ,	امج	·]					}	Tota	Pres	O=Other	
Collection Grab/ Comp Sample I	D Description			Fill in Sp	aces with	n Bottle	es per T	Test	1,	<u> </u>	1	Lab ID#	
5 1245 G P-43D		GW	3							3	B	563656	
517 1220 1 P-43I			3							3 8	2	543657	
517 1200 P-435			3							3	В	363458	
517 1605 P-30D			_3							3	3	543459	
5/7 1630 P-301			3							3	B	57,3660	
5/1 1355 P-310		\bot	3							3	B	563661	
5/7 1410 P-3(I)			3				<u> · </u>			3	5	563662	
5/7 1400 P-31I			3							3	B	563663	
5/7 1430 P-315			3		·					3	B	5703664	
5/8 1240 P-32D			3							. 3	B	543665	
518 0915 P-325		$\bot T$	3							3	B	563666	
517 1235 \$ P-40D		+	3						<u> </u>	3	B	563667	
										3	B	543668	
	Relinquished By:	Date/T	Time						. T			_	
3/9/08 1700			_ /	Ice Present Yes Temperature				/ / ^N	10	S-Soil	A -Air	**Matrix SI-Sludge M-Misc Waste	
Date/Time	Received for Laboratory by:	Date/1	In V	,	Cooler #		198	304	PP	GW-	Groundy	water SW-Surface Water	
		1 /5/12	2/0 %	310		رسور) 1 1 1 1 1 1 1	- /		WW-1	<i>Wastewa</i>	ater DW-Drinking Water	
				VI.	<u> </u>	280	145	7					
	U				v								

Rev. 3/2006			C	hain o	f Cus	tody		<u> </u>	<u> </u>			Page	2 3	of	
Company: ESC Project Contact: FRANK PERUWAI	CTLab	ora	==		1230	Lange 08-356-2	2760 I		o, WI 53 -356-2766 s.com		Mail R Comp	eport	To: Fn 1552	AND Pervery 1808 Menth Dape R	
Telephone: 417 427 5033 Project Name: Refuse Hiseaway 0508 Project Location: RHL, Middleshi, WI Sampled By: SC Regulatory Program: UST_RCRA SDWA NPDES Solid Waste Other	Turnar Norma Date Needed *Notify Lab prio samples 24 hr 200% 2-3 da subject to char	r to send Surchays 100%	JSH* ding in Farges: 4-9 day	ys 50%,	Lab Use Only Place Header Sticker Here:						City/State/Zip: // Wskaye, WI S3/S0 Invoice To: Company: Address: City/State/Zip: PO No.				
Citent Special Instructions:		Filt?	Y/N					Γ			 	1	<u> </u>		
Landfill License Number:		NDNR Well ID #	*Matrix:	VQ (Votes)								Fotal # of Containers	Preservation*	* Preservation Code A=None B=HCL C=H2SO4 D=HNO3 E=Encore F=Methanol G=NaOH O=Other	
Collection Grab/ Comp Sample I	D Description	<u> </u>	<u> </u>		Fill i	n Spac	es with	Bottle	es per T	est	ـــــــ		<u> </u>	Lab ID#	
517 1700 G P-225	······································		600	3		J	<u> </u>	Dotte				3	13	57.3619	
518 1030 G P-2ZE		 	Ĭ	3	ļ	 	 -	<u> </u>			 	3	B	57.3669 57.3670	
718 1000 G P-225		 	1-1	3	ļ- ·							3	B	57.3671	
5/8 1345 G P-270			 - - - - 	3			 			 -		3	13	2.3672	
518 1355 C P-275			 }	3		 	 					3	B	57.3673	
518 1710 G P-295			 -	3		·	1		 		 	3	B	563674	
518 161° C. P-35P)		 	3		 			<u> </u>		Ţ —	3	13	563675	
5 8 1620 C P-355		 	 	3	 	 	 	 	 		 	3	13	563676	
512 1505 C P-34D		 	++	3	 	 		 	 		+	3	B	543677	
5/8 1425 G P-345		 	GW	13	}	-	 	 	+	 	 	3	13	543678	
			- Gu							-				20000	
Set 5/108 1700	Relinquished By: Received for Laborator	ry by:	Date/		19/10	T	ce Pres empera Cooler #	ature	Yes) 8. 38 0745	/ N 48 - j	10	GW-	Ground	**Matrix SI-Sludge M-Misc Waste water SW-Surface Water ater DW-Drinking Water	
	1	<u>/</u>		<u>' </u>	19/10		5/12	108	0745						

Rev. 3/2006			C	hain o	f Cust	ody						Page	<u>4</u>	of5		
Company: ESC. Project Contact: FRANC PERUGINI Telephone: 414 421 5033	CTLab	ora	tor	ies		Lange 08-356-2 www	760 I		356-276		Addr	055.U	2 الالما ر	ank Perugina 19888 New Cape Rd		
Project Name: Refuse Hiveaway 05000 Project Number: - Project Location: RHL, Middlan, WI Sampled By: ESC	Turnar Norma Date Needed *Notify Lab prio	RU	JSH*	ot ich		Plac		Sticker H	_		City/State/Zip: Muskeypws 5350 Invoice To: Company: Address:					
Regulatory Program: UST RCRA SDWA NPDES	samples 24 hr 200% 2-3 day subject to char	. Surcha ys 100%	rges: 4-9 day	ys 50%,	66487						Address: // City/State/Zip:					
Solid Waste Other									r		PON	0.				
Client Special Instructions: Landfill License Number:		Filt?	*Маніх:	(V-Hc1)								Total # of Containers	Preservation*	* Preservation Code A=None B=HCL C=H2SO4 D=HNO3 E=Encore F=Methanol G=NaOH O=Other		
Collection Grab/ Sample I	D Description	<u></u>	1	8	F:11 :			D-112	<u> </u>		<u> </u>	To	Y.	Lab ID#		
Date Time Comp Sample I			DW	3	FIII II	n Space	es witt	Bottle	es per	lest	1	3	B	563648		
5/3 0935 G PW-Bo		 	DW	3						 	 	3	13	5203649		
518 0940 G PW-BUL		 	DW	3				<u> </u>	 -		 	3	B	57,3650		
	KRUEGER		DW	3				-				3	13	5763651		
	W/THOMPSON		DW	3								3	7	563652		
518 1415 G PW- SUM	MERS		DM	3								3	13	563653		
5/8 1110 G PW-NOL			DM	3								3	ß	563654		
5/9 1105 6 PW-5/10	ppleworth	ļ	PW	3	-			<u> </u>	<u> </u>		 	3	8	563655		
	· · · · · · · · · · · · · · · · · · ·	 	 			 	·	-		 	-	_	 			
		 	 	 		<u> </u>		1	 	 	 	 	 			
S/9/08 120	Relinquished By: Received for Laborator	y by:	Date/			_ 70	ce Pres empera	ature _	Soft S	38		GM-	Ground	**Matrix SI-Sludge M-Misc Waste water SW-Surface Water		
	J.		10/6	Time/ 2/0 8	1910	- }			012	45		** ** -1	v v asteWi	ater DW-Drinking Water		

Rev. 3/2006				hain o	f Cus	todv				<u> </u>		Page	_ 5	of
Company: FS	CTLabo	ora			123	0 Lange 08-356-2	760 I	Fax 608-	·356-276		Mail Ro Comp	eport Toany:	o: Fra	nk Rengino
Project Contact: Frank (engile) Telephone: 414-427-5033 Project Name: Refuse Nideauen Project Number: 0508	Turnaro	ound ?	Γime	(4.2 sty 2.6).			Lab Us	ratories se Only			Addro City/	ess: W State,	124 S Zip:/	7808 North Cepek. Mrs Loggins 57150
Project Number: 0508 Project Location: middledowns Sampled By:	Date Needed *Notify Lab prior					Plac		Sticker H		7	Invoice Comp	To:	Gares	nte Pargini 19808 North Cepe Ro Northegy we 53150 20 23 expare
Regulatory Program:	samples. 24 hr 200% 2-3 day	Surcha /s 100%	rges: 4-9 da	ys 50% <i>,</i>				100	, 48		Addr City/	ess: State,	/Zip:	
Solid Waste Other	subject to chan	ige witi	iout nou								PO No	0,		
Client Special Instructions:		Filt?	Y/N	N							-			
Landfill License Number:		WDNR Well ID#	*Matrix:	10m/ Wal - WC								Total # of Containers	Preservation*	* Preservation Code A=None B=HCL C=H2SO4 D=HNO3 E=Encore F=Methanol G=NaOH O=Other
Collection Grab/ Comp Sample II	Description		<u> </u>		Fill i	n Space	es with	n Bottle	es per T	l Fest	<u> </u>			Lab ID#
5/9/08 1945 G P-173			GW									3	B	563679
1090 P-230			1	3	 						 	3	B	573680
┞╼┝═┈╎┈<u></u>╗╼╒ ├ ┈ ┟┈├┈┴ ┈ ╩┈╩			-	3		 		 			 	3	B	563681
1115 1285			 	3	 -	 		 	 		-	3	B	57.3682 57.3683
1/00 1-330		<u> </u>	1 1	3	 	ļ				— —	<u> </u>	3	B	563684
1000 P 335				3					<u> </u>			3	P	57.3685
1140 P-40				3								3	B	543686
1 400 V P-8BR				3			·					3	B	543687
1113 Pyp-01			600									3		563688
5/7/08 1130 G FB-0	1		W	3	<u> </u>			ļ	ļ		ļ	3	B	563689
5/7/08 TB-0		<u> </u>	DW/B		24	30		 	<u> </u>	_	<u> </u>	11	ļ	563716
Relinquished By Date/Time R	Relinquished By:		GW/18		260	S	<u> </u>	<u> </u>		<u> </u>	1		L	563711
Supplement 5/1/08: 1700	Relinquished By:	y by:	Date/	-1/	1810	Т	1		Yes 78, 38	1. P 148		GW-C	Groundy	**Matrix SI-Sludge M-Misc Waste water SW-Surface Water ater DW-Drinking Water
	0						7			-				

					ENVI	RONME	NTAL SAI	MPLING C			ROUNE AY 2008		MONITO	RING FIEL	D FORM						
<u> </u>		·		Purging	Phase										Samp	ing Phas	e				
Well ID	Date (2008)	Time (24hrs.)	Top of Well Elevation (ft.MSL)	Depth to Water (ft.)	Groundwater Elevation (ft.MSL)	Total Depth (ft.)	Height of Water Col. (ft.)	Req. Gal. to Purge (4 vol.)	Amount Purged (gal.)		Date (2008)	Time (24hrs.)	pH (s.u.)	Spec. Cond. (25C)	Temp. (deg.C)	Color before Filter	Color after Fliter	Odor	Turb before Filter	Turb after Filter	Number of Filters Used
P-22D	5/7	1600	1088.94	169.10	919.84	217.2	48.1	PACKER 5.5	5.5		5/7	1700	7.33	568	12.1	clear		none	none		
P-22E	5/7	1600	1089.72	170.00	919.72	273.0	103.0	67.3	16.8 *		5/8	1030	7.51	606	13.8	clear		none	none	_	
P-22S	5/7	1600	1088.20	168.10	920.10	184.7	16.6	10.8	11.0		5/8	1000	7.41	630	11.9	clear		none	none		
P-26D	5/7	1530	1149.63	217.10	932.53	262.1	45.0	29.4	30.0		5/9	0900	7.09	640	10.5	clear		none	none		
P-26S	5/7	1530	1150.95	216.05	934.90	237.6	21.6	14.1	15.0		5/9	0915	7.30	947	10.4	clear		none	none		
P-27D	5/7	1300	1095.56	171.35	924.21	204.3	33.0	PACKER 8.0	8.0		5/8	1345	7.35	954	12.7	clear		none	none		
P-27S	5/7	1300	1095.23	170.50	924.73	188.8	18.3	11.9	12.0		5/8	1355	7.21	909	12.3	clear		none	none		
P-28\$	5/7	0930	1124.33	193.10	931.23	207.4	14.3	9.3	9.5		5/9	1115	7.27	673	10.7	clear		none	none		
P-29S	5/7	1515	1163.10	231.80	931.30	257.2	25.4	16.6	17.0		5/8	1710	7.50	646	11.0	clear		none	none	-	
P-34D	5/8	1430	1090.98	159.49	931.49	276.1	116.6	PACKER 9.0	9.0		5/8	1505	7.46	531	12.1	clear		none	none		
P-34S	5/8	1320	1091.10	157.38	933.72	186.0	28.6	14.0	15.0		5/8	1425	7.25	528	12.0	clear		none	none		
P-35D	5/7	1400	1087.70	159.90	927.80	252.6	92.7	PACKER 8.0	8.0		5/8	1610	7.84	607	10.3	clear		none	none		
P-35S	5/7	1400	1087.90	159.50	928.40	184.0	24.5	16.0	16.0		5/8	1620	7.88	533	10.9	clear		none	none		
Casing I.D 1.5" well :			per foot to g	et one wel 3" well : 0		4" woll	: 0.653 gal.				EATHER	5/8/2008	Wind Sp	oeed: Overview:	0-5 mph	loor cum	Direction:	NE		Temp.:	50
NOTES:	v.vaz gai.	Z Well: U	. ros gar.	3 Weil: (yaı.	4 Well	. v.053 gai.					pment Us		5/8/2008		lear, sunn	iy				
	wells are I	ocated on t	he Sommers	Farm prop	erty.					p⊦	Meter:			Oakton		pH 7.0:	7.00	pH 4.0:		Slope:	NA
			·								pec. Con emperati	d. Meter: ire:		Oakton 13.7			Standard:	1413	Reading:	1408	
					r field reading:	s had stal	oilized.		F111/75		ITAI	011	la (D) :=					-			
Facility Na Facility Ad			fuse Hideawa						1	ONMEN MPLING		Client: Prolect:	WDNR	RHL - 05/0	9 Event			Page:	1	of	6
ESC Perso		JM, SF, T		VVI						PORATI	_	Project: Prepared	hv:	JM	o rvent	Date:	5/13/2	008			
F			· <u> </u>						4	427-50		Checked		TI		Date:	5/23/2				

ENVIRONMENTAL SAMPLING CORPORATION GROUNDWATER MONITORING FIELD FORM MONTH: MAY 2008 **Purging Phase** Sampling Phase Color Number of Top of Well Depth to Groundwater Height of Reg. Gal. to Date Total Depth Amount Spec. Cond. Color after urb before Turb after Well ID Water Col. pH (s.u.) Temp. (deg.C) before Odor Filters Elevation Elevation Water Purge (2008) (24hrs.) (2008)(24hrs.) Filter (ft.) Purged (gal.) vol.) (ft.MSL) (ft.) (ft.MSL) (ft.) Filter Used P-43D 5/7 1225 1109.92 186.35 923.57 283.6 97.3 63.5 16.0* 5/8 1245 7.69 588 15.4 moderate brown none P-431 5/7 1115 1110.24 186.75 923.49 233.3 46.6 8.0* 5/7 1220 7.17 606 11.7 cloudy 30.4 none low P-43S 5/7 1115 1110.60 187.00 923.60 205.7 18.7 12.2 3.5* 5/7 1200 7.10 576 13.5 cloudy none low **PACKER** 273.7 P-30D 5/7 1510 932,97 15.78 917.19 289.5 5/7 7.38 576 15.0 1605 11.4 clear none none 15.0 PACKER P-301 5/7 1610 930.94 13.71 917.23 142.3 128.6 9.0 5/7 1630 7.38 663 10.4 -clear none none 9.0 **PACKER** P-31D 5/7 1330 915.72 NA 258.2 NA 5/7 1355 7.51 574 12.0 NA NA clear none none 8.0 PACKER P-31IA 5/7 1350 916.77 NA NA 95.6 NA 8.0 5/7 1410 7.12 790 11.2 clear __ none none --8.0 **PACKER** P-31IB 5/7 1350 916.49 NA 135.7 NA NA 5/7 1400 7.05 788 15.4 NA clear none none 8.0 P-31S 5/7 1410 916.59 4.50 912.09 28.8 24.3 5/7 1430 7.23 616 9.8 15.9 16.0 clear none none P-32D 0850 7.35 5/8 942.66 17.85 924.81 176.2 158.4 77.4 78.0 5/8 1240 679 11.4 clear none none P-32S 5/8 0855 943.73 17.98 925.75 39.5 21.5 14.1 14,5 5/8 0915 6.82 868 10.6 cloudy none low PACKER 249.7 5/7 614 P-40D 5/7 1210 922.98 5.53 917.45 255.200 9.0 1235 7.30 11.5 clear none none ---9.0 **PACKER** 5/7 1150 922.28 917.70 100.2 9.0 5/7 1210 6.69 726 11.7 P-401 4.58 104.8 clear none none 9.0 WEATHER Wind Speed: 10-20 mph Direction: W Temp.: 65 Casing I.D. (inches): Gallons per foot to get one well volume. 5/7/2008 1.5" well : 0.092 gal. 2" well : 0.163 gal. 3" well : 0.377 gal. 4" well: 0.653 gal. Date: Overview: mostly cloudy Date Equipment Used: 5/7/2008 NOTES: The P-43 well nest is located on the Sommer's Farm property. The remaining wells are located pH Meter: Oakton pH 7.0: 7.00 pH 4.0: 4.01 Slope: NA Spec. Cond. Meter: Oakton Standard: 1413 Reading: 1410 along Highway 14. P-31B, P-31D are flowing Temperature: 15.9 - Low flow sampling equipment. Sample collected after field readings had stabilized. Facility Name: WDNR Refuse Hideaway Landfill ENVIRONMENTAL Client: WDNR Page: 2 of 6 Highway 14, Middleton, WI SAMPLING Project: RHL 05/08 Facility Address: 5/13/2008 CORPORATION Prepared by: JM Date: ESC Personnel: JM, SF, TI 414-427-5033 Checked by: Date: 5/23/2008

ENVIRONMENTAL SAMPLING CORPORATION GROUNDWATER MONITORING FIELD FORM MONTH: MAY 2008 **Purging Phase** Sampling Phase Top of Well Depth to Groundwater Height of Req. Gal. to Amount Color Number of Time Total Date Spec. Cond. Color after Turb before Turb after Well ID Elevation Water Elevation Water Col. Purge Purged Time (24hrs.) pH (s.u.) Temp. (deg.C) before Odor Filters (2008)(24hrs.) Depth (ft.) (2008) (25C) Filter Filter Filter (fLMSL) (ft.) (ft.MSL) (ft.) (4 vol.) (gal.) Filter Used PACKER P-41D 5/9 1115 924.82 10.80 914.02 104.5 93.7 9.0 5/9 1140 7.57 691 10.9 clear -none none 9.0 P-30S 5/9 --932.61 14.77 917.84 104.5 P-36D 5/9 924.34 0.08 924.26 104.5 --P-36S 5/9 923.89 924.49 0.60 104.5 P-38S 5/9 923.21 6.03 917.18 104.5 ------P-39S 5/12 946.08 28.85 917.23 104.5 --P-40S 5/9 922.01 5.99 916.02 104.5 -----P-41S 5/9 925.58 5.20 920.38 104.5 P-42S 5/12 917.62 6.55 911.07 104.5 --P-17S 5/9 1200 1081.75 150.10 931.65 158.8 8.70 5.7 1245 7.27 5.7 5/9 612 11.2 clear none none P-18S 5/12 1100 1020.57 92.05 928.52 107.2 15.15 9.9 10.0 5/12 1145 7.42 692 12.4 clear none none DUP-02 5/12 5/12 1145 7.41 690 12.3 clear none none DUP-01 5/13 5/9 1115 7.27 673 10.7 clear none none Casing I.D. (Inches): Gallons per foot to get one well volume. WEATHER Wind Speed: 0-10 mph Direction: W Temp.: 56 1.5" well : 0.092 gal. 2" well : 0.163 gal. 3" well : 0.377 gal. 4" well: 0.653 gal. Date: 5/12/2008 Overview: clear Date Equipment Used: 5/12/2008 P-17S and P-18S are located on the rock ledges around the site. The remaining wells are located pH Meter: Oakton pH 7.0: 7.00 pH 4.0: 4.01 Slope: Na along Highway 14. Spec. Cond. Meter: Oakton Standard: 1413 Reading: 1412 Temperature: 21.7 Facility Name: WDNR Refuse Hideaway Landfill ENVIRONMENTAL Client: WDNR 3 of 6 Page: SAMPLING Facility Address: Highway 14, Middleton, WI Project: RHL 05/08 Event **CORPORATION** 5/13/2008 JM, SF, TI Date: ESC Personnel: Prepared by: JM 414-427-5033 Checked by: TI Date: 5/23/2008

ENVIRONMENTAL SAMPLING CORPORATION GROUNDWATER MONITORING FIELD FORM MONTH: MAY 2008 **Purging Phase** Sampling Phase Req. Gal. to Top of Well Depth to Groundwater Height of Color Number of Amount Time Total Depth Date Time Spec. Cond. Color after Turb before Turb after Well ID Temp. (deg.C) before Odor Elevation Water Elevation Water Col. Purged pH (s.u.) Filters (2008) (24hrs.) (2008) (24hrs.) (25C) Filter Filter (ft.) (ft.MSL) (ft.MSL) (ft.) (gal.) Filter Used P-8D 5/8 1120 930.98 3.96 927.02 42.2 38.2 25.0 Dry @ 8.0 5/8 1225 6.79 841 13.2 clear -none none P-8S 5/8 1230 932.50 5.90 926.60 20.5 5/8 1250 6.39 938 9.9 14.6 9.5 Dry @ 2.5 cloudy none none 1,196 P-9D 5/8 1540 930.43 3.11 927.32 43 39.9 26.0 Dry @ 8.0 5/8 1600 6.53 11.4 clear none none P-9S 5/8 1540 932.09 5.00 927.09 16 11.0 8.0 5/8 1555 7.35 667 10.2 7.2 clear none low P-16D 5/8 1455 936.30 10.47 925.83 42.9 32.4 21.2 Dry @ 7.0 5/8 1515 6.43 1.278 12.2 slight low clear P-16S 5/8 1455 935.96 8.70 927.26 17.2 8.5 5.6 Dry @ 2.0 5/8 1510 6.61 804 10.2 tan none moderate P-20SR 5/8 1655 961.78 33.12 928.66 66.3 33.2 5/8 1740 593 21.7 22.0 7.88 11.3 clear none none P-21BR 5/9 1210 935.19 8.90 926.29 148.3 139.4 68.2 69.0 5/12 1330 6.79 611 12.2 clear none none P-21D 5/8 1420 935.81 9.36 926.45 32.2 5/8 1450 6.64 955 41.6 21.1 21.0 11.9 clear none none P-21S 5/8 1420 936.43 7.27 929.16 12.4 Dry @ 2.5 473 19.7 8.1 5/8 1440 7.40 10.9 low clear none P-23D 5/9 1145 961.53 33.44 928.09 80.1 46.7 30.5 31.0 5/9 1230 7.42 566 11.2 clear none none 1705 P-23S 5/7 961.71 33.75 927.96 48.100 14.4 9.4 Dry @ 2.5 5/8 1620 7.31 617 12.3 clear none none P-24D 5/8 1315 927.25 0.80 926.45 25.2 24.4 16.0 5/8 1335 7.11 746 11.3 15.9 clear none none Casing I.D. (inches): Gallons per foot to get one well volume. WEATHER Wind Speed: 0-5 mph Direction: ΝE Temp.: 50 1.5" well : 0.092 gal. 2" well : 0.163 gal. 3" well : 0.377 gal. 4" well: 0.653 gal. Date: 5/8/2008 Overview: clear, sunny Date Equipment Used: 5/8/2008 Slope: NA Monitoring wells are located around the facility and along the adjacent farm fields. pH Meter: Oakton pH 7.0; 7.00 pH 4.0: 4.01 P-21D, P-21S, P-9S, P-16D organic matter in purge water. P-9S, P-16D - ants inside well. Spec. Cond. Meter: Standard: 1413 Reading: Oakton P-8D, P-8S - wasps in well casing. Temperature: 13.7 Client: Facility Name: WDNR Refuse Hideaway Landfill ENVIRONMENTAL WDNR Page: 4 of 6 SAMPLING Project: RHL 05/08 Event Facility Address: Highway 14, Middleton, WI CORPORATION 5/13/2008 JM, SF, TI Prepared by: JM Date: ESC Personnel: 414-427-5033 5/23/2008 Checked by: Τi Date:

ENVIRONMENTAL SAMPLING CORPORATION GROUNDWATER MONITORING FIELD FORM MONTH: MAY 2008 **Purging Phase** Sampling Phase Top of Well Depth to Groundwater Color Height of Req. Gal. to Amount Number of Time Total Date Time Spec. Cond. Color after Turb before Turb after Well ID Temp. (deg.C) Odor Elevation Elevation Water Col. Purged pH (s.u.) before Filters (2008) (24hrs.) Depth (ft.) (2008)(24hrs.) Filter Filter Filter (25C) (ft.MSL) (ft.) (ft.MSL) (4 vol.) (gal.) Filter P-24E 5/8 1305 0.00 927.39 1350 927.39 52.5 52.5 34.3 Dry @ 20.0 5/8 7.36 368 11.9 tan -none high P-25BR 5/12 1120 943.27 20.18 923.09 140.3 120.1 79.0 5/12 1350 7.27 78.4 603 11.8 clear none none P-25D 5/12 1120 943.86 21.17 922.69 96.3 75.1 49.1 50.0 5/12 1355 6.95 749 12.1 clear none none P-25S 5/12 1140 943.14 17.76 925.38 29.4 5/12 1210 6.94 687 12.0 11.6 7.6 8.0 cloudy none moderate P-33D 5/9 0925 928.50 0.40 928.10 103.4 103.0 67.3 51.0 * 5/9 1100 7.11 738 10.7 clear -slight none P-1D 5/9 926.67 0.00 926.67 P-1S 5/9 2.02 922.37 924.39 --P-3S 5/12 932.79 5.87 926.92 P-4S 5/9 929.89 2.41 927.48 P-8BR 5/9 1255 929.52 1.83 927.69 109.7 1400 111.5 53.6 54.0 5/9 7.36 644 10.6 cloudy none low P-33S 5/9 0940 928.55 4.00 924.55 27.6 23.6 15.4 15.5 5/9 1000 7.23 741 10.4 cloudy none low Casing I.D. (inches): Gallons per foot to get one well volume. WEATHER Wind Speed: 0-10 mph Direction: W Temp.: 56 Date: 1.5" well : 0.092 gal. 2" well : 0.163 gal. 3" well : 0.377 gal. 4" well : 0.653 gal. 5/12/2008 Overview: clear Date Equipment Used: 5/12/2008 Monitoring wells are located around the facility and along the adjacent farm fields. pH Meter: Oakton pH 7.0: 7.00 pH 4.0: 4.01 Slope: Na P-1D and P-24E were flowing Spec. Cond. Meter: Oakton Standard: 1413 Reading: 1412 Temperature: 21.7 - Three well volumes removed WDNR Refuse Hideaway Landfill **ENVIRONMENTAL** Client: WDNR Page: 5 of Facility Name: SAMPLING Facility Address: Highway 14, Middleton, WI Project: RHL 05/08 Event CORPORATION Date: 5/13/2008 JM, SF, TI Prepared by: JM ESC Personnel: 5/23/2008 414-427-5033 Checked by: TI Date:

					ENV	IRONMEN	TAL SAM	PLING CC			GROUND AY 2008	WATER I	MONITOR	RING FIELD	FORM						
				Purgin	g Phase							· · · · · · · · · · · · · · · · · · ·			Sampl	ing Phas	e				
Well ID .	Date (2008)	Time (24hrs.)	Top of Well Elevation (ft.MSL)	Depth to Water (ft.)	Groundwater Elevation (ft.MSL)	Total Depth (ft.)	Height of Water Col. (ft.)	Req. Gal. to Purge (4 vol.)	Amount Purged (min.)	Ī	Date (2008)	Time (24hrs.)	pH (s.u.)	Spec. Cond. (25C)	Temp. (deg.C)	Color before Filter	Color after Filter	Odor	Turb before Filter	Turb after Filter	Number of Filters Used
PW-Sather	5/8	1030							15		5/8	1040	7.65	652	12.2	clear		none	none	-	
PW-Bonk	5/8	0920							15		5/8	0935	6.48	665	11.2	clear		none	none	-	
PW-Bula	5/8	0925							15		5/8	0940	6.89	650	11.3	clear		none	none		
PW-Wheat/ Krueger	5/8	1000					-		15	Ì	5/8	1015	7.13	1,430	11.8	clear		none	none		-
PW-Tantrow/ Thompson	5/8	1005							15	Ī	5/8	1020	7.70	1,476	11.7	clear	-	none	none	-	
PW- Summers	5/8	1400	-			-			15		5/8	1415	7.53	634	17.0	clear		none	none	-	
PW-Noles	5/8	1055							15		5/8	1110	7.47	765	13.1	clear		none	none	-	
PW- Stoppleworth	5/9	1050							15		5/9	1105	7.55	620	11.8	clear		none	none		
				ļ									ļ				ļ <u>.</u>			ļ	<u> </u>
			_										ļ	ļ					ļ	ļ	<u> </u>
				ļ																ļ	<u> </u>
																					ļ
					<u> </u>								<u> </u>	<u></u>						 	<u> </u>
Caelna I F	(inches)	: Gallons	per foot to g	ot one wel	Lvelume			<u> </u>			WEATHE		Wind St	2004:	0-5 mph	<u> </u>	Direction:	NE	<u> </u>	Temp.:	50
).163 gal.			4" well : (0.653 gal.				Date:	5/8/2008		Overview:	0-5 IIIpii	clear, su	inny	INE		remp	
NOTES:										1	Date Equ	pment Us	ed:	5/8/2008							
		····									pH Meter			Oakton		pH 7.0		pH 4.0:		Slope	: NA
											Spec. Co Temperat			Oakton 13.7			Standard:	1413	Reading	1408	
Facility N			efuse Hideaw						ENVIR			Client:	WDNR					Page:	6	of	6
Facility A			14, Middleton	, WI						MPLI		Project:		RHL - 05/0	8 Event						
ESC Pers	onnel:	JM, SF, T	<u>'I</u>						CORI			Prepared		JM		Date:	5/13/				-
	orms/Fleid Form								414	-427-5	5033	Checked	by:	TI		Date:	5/23/	2008			

					ENV	IKUNIVIEN	IAL SAM	PLING CC		ON GROUND : MAY 2008	WATERI	WONITOR	KING FIELL	PORM						
				Purgin	g Phase				1					Sampl	ing Phas	e				
Well ID	Date (2008)	Time (24hrs.)	Top of Well Elevation (ft.MSL)	Depth to Water (ft.)	Groundwater Elevation (ft.MSL)	Total Depth (ft.)	Height of Water Col. (ft.)	Req. Gal. to Purge (4 vol.)	Amount Purged (min.)	Date (2008)	Time (24hrs.)	pH (s.u.)	Spec. Cond. (25C)	Temp. (deg.C)	Color before Filter	Color after Filter	Odor	Turb before Filter	Turb after Filter	Number Fliters Used
W-Sather	5/8	1030							15	5/8	1040	7.65	652	12.2	clear		none	none	-	
PW-Bonk	5/8	0920		-					15	5/8	0935	6.48	665	11.2	clear		none	none		
PW-Bula	5/8	0925	-					-	15	5/8	0940	6.89	650	11.3	clear	-	none	none		-
W-Wheat/ Krueger	5/8	1000							15	5/8	1015	7.13	1,430	11.8	clear		none	none		
W-Tantrow/ Thompson	5/8	1005							15	5/8	1020	7.70	1,476	11.7	clear		none	none	_	
PW- Summers	5/8	1400							15	5/8	1415	7.53	634	17.0	clear		none	none	-	
PW-Noles	5/8	1055	-						15	5/8	1110	7.47	765	13.1	clear		none	none	-	
PW- Stoppleworth	5/9	1050		-					15	5/9	1105	7.55	620	11.8	clear		none	none		_
·																				
, i												<u> </u>								1
																ļ				
		<u> </u>																ļ	<u> </u>	<u> </u>
		'									<u> </u>		<u> </u>							
			per foot to g			4" well : (3 652 aal			WEATHE Date:	5/8/200	Wind S	oeed: Overview:	0-5 mph	clear, su	Direction	NE		Temp.:	50
OTES:	. u.usz gai	. z weii : (0.163 gal.	3 Weil:	J.STT Yal.	4 Well:	J.VOO YAI.				ipment Us		5/8/2008		Great, St	arn ry				
<u> </u>		1								pH Meter			Oakton		pH 7.0	7.00	pH 4.0	4.01	Slope	: NA
		1									nd. Meter		Oakton			Standard	1413	Reading	: 1408	
										Tempera	ture:		13.7							
a allian Al	I	W/DND D	-fuga Llida	ou Londell					I ENVID	ONMENTAL	Client:	WDNR					Page:	6	of	6
acility N			efuse Hideaw 14, Middleton							MPLING	Project:	WDNR	RHL - 05/0	8 Event			raye:		UI	
SC Pers		JM, SF, T		, vV1					1	ORATION	Prepared	i hv:	JM	O EVEIN	Date:	5/13	/2008			
-00 1618	oillei.	JIVI, JI', I	'							427-5033	Checked		TI		Date:		/2008			

Environmental Sampling Corp. (ESC) Field Status Report – July 2008

COPY

WDNR / Refuse Hideaway Landfill Middleton, Wisconsin

Page 1 of 1

Task	Sampling Period / Date	Sample Type / Description
I	Various Dates	Reporting

Project Status

I. <u>Reporting</u>: ESC staff drafted the May 2008 Groundwater and Private Well Monitoring Report and sent the finalized copy to the WDNR on July 9, 2008.

Task Deviations and Reporting Turnaround

Test results will be available in approximately 30 days.

Field Observations

• None.

Proposed Additional Actions

• None.

Other Observations

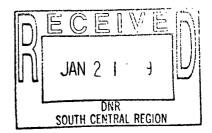
• None.

ENVIRONMENTAL SAMPLING CORPORATION

Dedicated to Environmental Monitoring, Science & Technology

January 20, 2009

Mr. Harlan Kuehling, P.G. Wisconsin Department of Natural Resources 3911 Fish Hatchery Road Fitchburg, WI 53711



Re: Refuse Hideaway Landfill - Middleton, WI (License #01953)

November 2008 Laboratory Analytical Results

Dear Mr. Kuehling:

Enclosed please find the data file, exceedance summary, and data certification page for the groundwater and private well monitoring conducted at the Refuse Hideaway Landfill (RHL) in November 2008. As requested, an electronic copy of the laboratory analytical data is included on the enclosed CD.

In accordance with the Scope of Work for Groundwater Sampling at RHL, revised March 2007, Environmental Sampling Corporation (ESC) staff was on site November 17-19, 2008 to collect samples from 23 groundwater monitoring wells and nine private wells. ESC staff also collected groundwater elevation measurements from an additional 38 groundwater monitoring wells. Groundwater monitoring well P-31D was not able to be sampled during the November 2008 monitoring event because the water inside of the well was frozen. The groundwater and drinking water samples collected were packed on ice and shipped to CT Laboratories (WI cert. #157066030) for analysis. In accordance with ESC's QA/QC procedures, trip blanks, duplicate samples, and a field blank were included with the shipments.

NR140 Exceedances

Laboratory analytical results were compared to the WDNR Ch. NR140 Preventive Action Limits (PAL) and Enforcement Standards (ES). Seventeen of the 22 groundwater monitoring wells had one or more VOC concentration detected above NR140 standards in the samples collected during the November 2008 event. Of these 17 wells, ten groundwater well samples had one or more VOC concentrations detected in excess of the ES. NR140 exceedances are listed in the attached exceedance summary table and are discussed below.

- Cis-1,2-dichloroethene was detected in excess of the PAL in the sample collected from P-17S in November 2008. This well is located in close proximity to the limits of waste. The concentration of cis-1,2-dichloroethane is similar to analytical data from the past ten years, but is greatly reduced from the concentrations reported in the samples collected from P-17S in 1992.
- The VOC 1,2-dichloropropane was detected in excess of the PAL in the sample collected from P-17S. As indicated previously, this well is located in close proximity to

Main Office: P.O. Box 12 • Muskego, WI 53150-0012 • (414) 427-5033 • FAX (414) 427-5034

the limits of waste. The concentrations of 1,2-dichloropropane in the samples collected from P-17S have been decreasing over time.

- Concentrations of tetrachloroethene in excess of the PAL were detected in samples collected from five monitoring wells in November 2008 (P-20SR, P-22D P-22S, P-25BR, and P-40I). Concentrations of tetrachloroethene in excess of the ES were detected in the samples collected from an additional nine monitoring wells (P-17S, P-18S, P-22E, P-23S, P-26S, P-27D, P-27S, P-31IA, and P-31IB). Detections of tetrachloroethene are widespread at the facility and in most cases are similar to or reduced from historic data. The tetrahydrofuran concentration in the sample collected from P-23S was slightly increased from recent historic data. Groundwater samples with the highest concentrations of tetrachloroethene (i.e. P-27D, P-26S, and P-18S) were collected from wells that are in close proximity to the closed, unlined facility.
- Trichloroethene concentrations exceeded the PAL in the samples collected from 11 groundwater monitoring wells (P-18S, P-22D, P-22E, P-22S, P-23S, P-25D, P-26S, P-27S, P-31IA, P-31IB, and P-40I) and exceeded the ES in the samples collected from P-17S and P-27D. The trichloroethene concentrations are highest in the wells located around the facility. Concentrations are similar to or reduced from recent analytical data and many have displayed decreasing trends over time.
- Concentrations of vinyl chloride were detected in excess of the NR140 ES during the November 2008 event in the samples collected from groundwater monitoring wells P-17S, P-25D, and P-26S. The vinyl chloride concentrations are related to landfill gas migration from the closed, unlined facility. Vinyl chloride concentrations in the samples collected in November 2008 are similar to or reduced from recent data and display a decreasing trend over time. Gas wells along the perimeter and interior of the landfill should be adjusted to increase the flow (vacuum) applied to the gas wells to minimize landfill gas migration.
- Concentrations of chloromethane in excess of the NR140 PAL were detected in the samples collected from P-22S, P-31IB, and P-40D. These chloromethane concentrations have not been consistently detected in samples collected from these wells over time and may be in part attributed to contaminated sample glassware or preservative.
- Two of the nine private wells sampled for VOCs (PW-Noles and PW-Stoppleworth) had VOC concentrations in excess of NR140 standards during the November 2008 event. The sample collected from PW-Noles had a concentration of trichloroethene in excess of the PAL and a concentration of tetrachloroethene in excess of the ES. The sample collected from PW-Stoppleworth contained concentrations of tetrachloroethene and chloromethane in excess of the PALs. The concentrations of tetrachloroethene in the PW-Noles sample and the trichloroethene in the samples collected from PW-Noles and PW-Stoppleworth were similar to historic data. The concentration of chloromethane in the sample collected from PW-Stoppleworth is not consistent with historic data and may be attributed to contaminated sample glassware or preservative. Additional low-level VOCs detected at these wells were below NR140 standards.

Additional Information

Several VOCs were detected in excess of NR140 standards, but were between the laboratory limit of detection (LOD) and limit of quantitation (LOQ). These concentrations between the LOD and LOQ are not considered exceedances in accordance with NR140.14 and have not been included in the attached exceedance summary. These VOCs above NR140 standards, but below the laboratory LOQ were detected at the following locations: benzene (P-17S), chloromethane (P-18S, P-20SR, P-22D, P-22E, P-23D, P-23S, P-25BR, P-25D, P-27D, P-30D, P-31IA, P-40I,P-43D, and P-43S), and tetrachloroethene (P-23D and P-25D). Concentrations of benzene and tetrachloroethene are similar to data collected over the period of record. Concentrations of chloromethane have been detected periodically at several wells (i.e. P-22D, P-23S, P-25BR, P-25D, P-27D, and P-31IA). Samples collected from the remaining wells (i.e. P-18S, P-20SR, P-22E, P-23D, P-30D, P-40I, P-43D, and P-43S) have had few or no previous detections of chloromethane. The chloromethane detected in these samples may be attributed to contaminated sample glassware or preservative.

Low-level VOCs detected at concentrations less than the NR140 PAL were not discussed above, but are included on the electronic data file submitted with this report. Laboratory analytical data for all of the groundwater and private wells sampled during the November 2008 event are also included on the enclosed CD.

The next semi-annual monitoring event is scheduled for May 2009. At this time there are no proposed changes to the monitoring program. ESC recently prepared a proposal to install identification tags and replace the locks at the facility. Pending approval of this proposal, the repairs and improvements will be conducted in conjunction with the May 2009 event.

Please contact Frank Perugini or me at 414-427-5033 if you have any questions regarding this submittal.

Sincerely,

Environmental Sampling Corporation

Tracy Ipavec

Sr. Environmental Specialist

Enclosures

cc: Mr. Frank Perugini - ESC

REFUSE HIDEAWAY LANDFILL WDNR License #01953 Exceedance Summary - November 2008

Well ID (WDNR ID)	Date	P-Code	Parameter	PAL / ES (ug/L)	Result (ug/L)	Exceedance
P-25D (118)	11/17/08	39175	Vinyl Chloride	0.02 / 0.2	0.59	ES
, ,	11/17/08	.39180	Trichloroethene	0.5 / 5	1.1	PAL
P-25BR (119)	11/17/08	34475	Tetrachloroethene	0.5 / 5	1.8	PAL
P-27S (121)	11/18/08	³° 34475	Tetrachloroethene	0.5 / 5	6.1	ES
	11/18/08	39180	Trichloroethene	0.5 / 5	0.86	PAL
P-27D (122)	11/18/08	34475	Tetrachioroethene	0.5 / 5	41	ES
	11/18/08	39180	Trichloroethene	0.5 / 5	7.8	ES
P-17S (128)	11/18/08	34475	Tetrachloroethene	0.5 / 5	6.5	ES
	11/18/08	34541	1,2-Dichloropropane	0.5 / 5.0	1.2	PAL
	11/18/08	39180	Trichloroethene	0.5 / 5	8.6	ES
	11/18/08	39175	Vinyl Chloride	0.02 / 0.2	4.5	ES
	11/18/08	77093	cis-1,2-Dichloroethene	7 / 70	67	PAL
P-18S (129)	11/18/08	34475	Tetrachloroethene	0.5 / 5	13	ES
	11/18/08	39180	Trichloroethene	0.5 / 5	2.0	PAL
P-22S (135)	11/17/08	34418	Chloromethane	0.3 / 3	1.1	PAL
` '	11/17/08	34475	Tetrachloroethene	0.5 / 5	2.5	PAL
	11/17/08	39180	Trichloroethene	0.5 / 5	0.76	PAL
P-22D (136)	11/17/08	34475	Tetrachloroethene	0.5 / 5	3.0	PAL
, ,	11/17/08	39180	Trichloroethene	0.5 / 5	0.73	PAL
P-23S (137)	11/18/08	34475	Tetrachloroethene	0.5 / 5	7.2	ES
, ,	11/18/08	39180	Trichloroethene	0.5 / 5	0.59	PAL
P-26S (141)	11/19/08	34475	Tetrachloroethene	0.5 / 5	17	ES
	11/19/08	39180	Trichloroethene	0.5 / 5	2.5	PAL
	11/19/08	39175	Vinyl Chloride	0.02 / 0.2	0.56	ES
P-31IA (146)	11/18/08	34475	Tetrachloroethene	0.5 / 5	5.8	ES
. ,	11/18/08	39180	Trichloroethene	0.5 / 5	1.8	PAL
P-31IB (147)	11/18/08	34418	Chloromethane	0.3 / 3	1.3	PAL
	11/18/08	34475	Tetrachloroethene	0.5 / 5	5.7	ES
	11/18/08	39180	Trichloroethene	0.5 / 5	1.8	PAL
P-40D (161)	11/18/08	* 34418	Chloromethane	0.3 / 3	2.0	PAL
P-40I (162)	11/17/08	. 34475	Tetrachloroethene	0.5 / 5	4.8	PAL
, ,	11/17/08	39180	Trichloroethene	0.5 / 5	1.3	PAL
P-20SR (167)	11/19/08	34475	Tetrachloroethene	0.5 / 5	4.7	PAL
P-22E (174)	11/17/08 "-	⁷ 34475	Tetrachloroethene	0.5 / 5	6.2	ES
,	11/17/08	39180	Trichloroethene	0.5 / 5	1.4	PAL
P-43I (176)	11/18/08	34418	Chloromethane	0.3 / 3	1.3	PAL
Stoppleworth (311)	11/18/08	34418	Chloromethane	0.3 / 3	1.7	PAL
	11/18/08	34475	Tetrachloroethene	0.5 / 5	3.1	PAL
Noles (312)	11/17/08	34475	Tetrachloroethene	0.5 / 5	5.2	ES
	11/17/08	39180	Trichloroethene	0.5 / 5	1.7	PAL

Notes:

ug/L = micrograms per liter

ES = NR 140 Enforcement Standard

PAL = NR140 Preventive Action Limit

The VOC concentrations detected above NR140 standards but below the laboratory limit of quantitation are not considered exceedances under NR140.14 and have not been included in the exceedance summary.

State of Wisconsin Department of Natural Resources

Environmental Monitoring Data Certification

Form 4400-231(R 1/04)

Notice: Personally identifiable information collected will be used for program administration and enforcement purposes. The Department may also provide this information to requesters as required under Wisconsin's Open Records law, ss. 19.31 to 19.39, Wis. Stats. When submitting monitoring data, the owner or operator of the facility, practice or activity is required to notify the Department in writing that a groundwater standard or an explosive gas level has been attained or exceeded, as specified in ss. NR 140.24(1)(a); NR 140.26(1)(a); NR 507.30NR 635.14(9)(a); NR 635.18(20) and NR 507.30, Wis. Adm. Code. Failure to report may result in fines, forfeitures or other penalties resulting from enforcement under ss. 289.97, 291.97 or 299.95, Wis. Stats.

Instructions:

- Prepare one form for each license or monitoring ID.
- Please type or print legibly.
- Attach a notification of any values that attain or exceed groundwater standards (that is, preventive action limits, enforcement standards or alternative concentration limits). The notification must include a preliminary analysis of the cause and significance of each value.
- Attach a notification of any gas values that attain or exceed explosive gas levels.
- Send the original signed form, any notification, and Electronic Data Deliverable [EDD] to: GEMS Data Submittal Contact WA/3

Bureau of Waste Management

Wisconsin Department of Natural Resources

101 South Webster Street Madison WI 53707-7921

To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct. Furthermore, I have attached complete notification of any sampling values meeting or exceeding groundwater standards or explosive gas levels, and a preliminary analysis of the cause and significance of concentrations exceeding groundwater standards. Tracy Ipavec	Monitoring Data Submittal Info	rmation		
Contact for questions about data formatting. Include data preparer's name, telephone number and E-mail address: Name: Tracy Ipavec	Name of entity submitting data (laborator	y, consultant, facility owner):		
Name: Tracy Ipavec Phone: (414) 427-5033	Environmental Sampling C	orporation		
Facility name: License # / Monitoring ID Facility ID [FID] Actual sampling dates (e.g., July 2-6, 2003) WDNR Refuse Hideaway 01953 113112010 November 17-19, 2008 Landfill 13112010 November 17-19, 2008 13112010 November 17-19, 2008 13112010 November 2008 November 2008	Name: Tracy Ipavec	graff tree englem car grant regarder byte engled in engled agraph again	Company of a ball to be a section of the first of the fir	A or figure the effect of properties and engineering
WDNR Refuse Hideaway Landfill The enclosed results are for sampling required in the month(s) of: (e.g., June 2003) November 2008 Type of Data Submitted (Check all that apply) Groundwater monitoring data from monitoring wells Groundwater monitoring data from private water supply wells Lackahate monitoring data from private water supply wells Leachate monitoring data Yes, a notification of values exceeding a groundwater standard is attached. It includes a list of monitoring points, dates, sample values, groundwater standard and preliminary analysis of the cause and significance of any concentration. Yes, a notification of values exceeding an explosive gas limit is attached. It includes the monitoring points, dates, sample values, groundwater standard and preliminary analysis of the cause and significance of any concentration. Certification To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct. Furthermore, I have attached complete notification of any sampling values meeting or exceeding groundwater standards or explosive gas levels, and a preliminary analysis of the cause and significance of concentrations exceeding groundwater standards. Tracy Ipavec Sr. Environmental Specialist (414) 427-5033 Title (Area Code) Telephone No. The Code of Telephone No. Initials Date Found uploading problems on Initials Uploaded data successfully on	E-mail: escstaff@yahoo.com			·
The enclosed results are for sampling required in the month(s) of: (e.g., June 2003) November 2008 Type of Data Submitted (Check all that apply) Groundwater monitoring data from monitoring wells Groundwater monitoring data from private water supply wells Leachate monitoring data Air monitoring data Other (specify) Notification attached? No. No groundwater standards or explosive gas limits were exceeded. Yes, a notification of values exceeding a groundwater standard is attached. It includes a list of monitoring points, dates, sample values, groundwater standard and preliminary analysis of the cause and significance of any concentration. Yes, a notification of values exceeding an explosive gas limit is attached. It includes the monitoring points, dates, sample values and explosive gas limits. Certification To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct. Furthermore, I have attached complete notification of any sampling values meeting or exceeding groundwater standards or explosive gas levels, and a preliminary analysis of the cause and significance of concentrations exceeding groundwater standards. Tracy Ipavec Sr. Environmental Specialist (414) 427-5033 Facility Representative Name (Print) Title (Area Code) Telephone No. Date FOR DNR USE ONLY. Check action taken, and record date and your initials. Describe on back side if necessary. Found uploading problems on	Facility name:	License # / Monitoring ID	Facility ID [FID]	Actual sampling dates (e.g., July 2-6, 2003)
Type of Data Submitted (Check all that apply) Groundwater monitoring data from monitoring wells Groundwater monitoring data from private water supply wells Leachate monitoring data from private water supply wells Leachate monitoring data Other (specify) No. No groundwater standards or explosive gas limits were exceeded. Yes, a notification of values exceeding a groundwater standard is attached. It includes a list of monitoring points, dates, sample values, groundwater standard and preliminary analysis of the cause and significance of any concentration. Yes, a notification of values exceeding an explosive gas limit is attached. It includes the monitoring points, dates, sample values and explosive gas limits. Certification To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct. Furthermore, I have attached complete notification of any sampling values meeting or exceeding groundwater standards or explosive gas levels, and a preliminary analysis of the cause and significance of concentrations exceeding groundwater standards. Tracy Ipavec Sr, Environmental Specialist (414) 427-5033 Facility Representative Name (Print) Title (Area Code) Telephone No. FOR DNR USE ONLY. Check action taken, and record date and your initials. Describe on back side if necessary. Found uploading problems on		01953	113112010	November 17-19, 2008
Type of Data Submitted (Check all that apply) Groundwater monitoring data from monitoring wells Groundwater monitoring data from private water supply wells Air monitoring data Air monitoring data Air monitoring data Other (specify)	The enclosed results are for sampling red	uired in the month(s) of: (e.g., Ju	ne 2003)	The stage of the Control of the Cont
Groundwater monitoring data from monitoring wells Groundwater monitoring data from private water supply wells Leachate monitoring data Other (specify) Notification attached? No. No groundwater standards or explosive gas limits were exceeded. Yes, a notification of values exceeding a groundwater standard is attached. It includes a list of monitoring points, dates, sample values, groundwater standard and preliminary analysis of the cause and significance of any concentration. Yes, a notification of values exceeding an explosive gas limit is attached. It includes the monitoring points, dates, sample values are explosive gas limits. Certification To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct. Furthermore, I have attached complete notification of any sampling values meeting or exceeding groundwater standards or explosive gas levels, and a preliminary analysis of the cause and significance of concentrations exceeding groundwater standards. Tracy. I pavec Sr. Environmental Specialist (414) 427-5033 Facility Representative Name (Print) Title (Area Code) Telephone No. Date FOR DNR USE ONLY. Check action taken, and record date and your initials. Describe on back side if necessary. Found uploading problems on	November 2008			n de la companya da la companya da Companya da la companya da la compa
Groundwater monitoring data from private water supply wells Leachate monitoring data Other (specify) Notification attached? No. No groundwater standards or explosive gas limits were exceeded. Yes, a notification of values exceeding a groundwater standard is attached. It includes a list of monitoring points, dates, sample values, groundwater standard and preliminary analysis of the cause and significance of any concentration. Yes, a notification of values exceeding an explosive gas limit is attached. It includes the monitoring points, dates, sample values and explosive gas limits. Certification To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct. Furthermore, I have attached complete notification of any sampling values meeting or exceeding groundwater standards or explosive gas levels, and a preliminary analysis of the cause and significance of concentrations exceeding groundwater standards. Tracy Ipavec Sr. Environmental Specialist (414) 427-5033 Facility Representative Name (Print) Title (Area Code) Telephone No. FOR DNR USE ONLY. Check action taken, and record date and your initials. Describe on back side if necessary. Found uploading problems on	Type of Data Submitted (Check all that a	oply)		
No. No groundwater standards or explosive gas limits were exceeded. Yes, a notification of values exceeding a groundwater standard is attached. It includes a list of monitoring points, dates, sample values, groundwater standard and preliminary analysis of the cause and significance of any concentration. Yes, a notification of values exceeding an explosive gas limit is attached. It includes the monitoring points, dates, sample values and explosive gas limits. Certification To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct. Furthermore, I have attached complete notification of any sampling values meeting or exceeding groundwater standards or explosive gas levels, and a preliminary analysis of the cause and significance of concentrations exceeding groundwater standards. Tracy Ipavec Sr. Environmental Specialist (414) 427-5033 Facility Representative Name (Print) Title (Area Code) Telephone No. Date FOR DNR USE ONLY. Check action taken, and record date and your initials. Describe on back side if necessary. Found uploading problems on	Groundwater monitoring data from p		Air monitoring of	data
Yes, a notification of values exceeding a groundwater standard is attached. It includes a list of monitoring points, dates, sample values, groundwater standard and preliminary analysis of the cause and significance of any concentration. Yes, a notification of values exceeding an explosive gas limit is attached. It includes the monitoring points, dates, sample values and explosive gas limits. Certification To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct. Furthermore, I have attached complete notification of any sampling values meeting or exceeding groundwater standards or explosive gas levels, and a preliminary analysis of the cause and significance of concentrations exceeding groundwater standards. Tracy Ipavec Sr. Environmental Specialist (414) 427-5033 Facility Representative Name (Print) Title (Area Code) Telephone No. FOR DNR USE ONLY. Check action taken, and record date and your initials. Describe on back side if necessary. Found uploading problems on Initials Notified contact of problems on Uploaded data successfully on	Notification attached?			
groundwater standard and preliminary analysis of the cause and significance of any concentration. Yes, a notification of values exceeding an explosive gas limit is attached. It includes the monitoring points, dates, sample values and explosive gas limits. Certification To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct. Furthermore, I have attached complete notification of any sampling values meeting or exceeding groundwater standards or explosive gas levels, and a preliminary analysis of the cause and significance of concentrations exceeding groundwater standards. Tracy Ipavec Sr. Environmental Specialist (414) 427-5033 Facility Representative Name (Print) Title (Area Code) Telephone No. Signature Date FOR DNR USE ONLY. Check action taken, and record date and your initials. Describe on back side if necessary. Found uploading problems on Initials Notified contact of problems on Uploaded data successfully on	No. No groundwater standards or e	xplosive gas limits were exceeded		
explosive gas limits. Certification To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct. Furthermore, I have attached complete notification of any sampling values meeting or exceeding groundwater standards or explosive gas levels, and a preliminary analysis of the cause and significance of concentrations exceeding groundwater standards. Tracy Ipavec				
To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct. Furthermore, I have attached complete notification of any sampling values meeting or exceeding groundwater standards or explosive gas levels, and a preliminary analysis of the cause and significance of concentrations exceeding groundwater standards. Tracy Ipavec		ng an explosive gas limit is attache	ed. It includes the mon	itoring points, dates, sample values and
are true and correct. Furthermore, I have attached complete notification of any sampling values meeting or exceeding groundwater standards or explosive gas levels, and a preliminary analysis of the cause and significance of concentrations exceeding groundwater standards. Tracy Ipavec	Certification			
Facility Representative Name (Print) Title (Area Code) Telephone No. Date FOR DNR USE ONLY. Check action taken, and record date and your initials. Describe on back side if necessary. Found uploading problems on Initials Uploaded data successfully on	are true and correct. Furthermore groundwater standards or explosi concentrations exceeding ground	, I have attached complete n ve gas levels, and a prelimin water standards.	otification of any sa ary analysis of the	ampling values meeting or exceeding cause and significance of
FOR DNR USE ONLY. Check action taken, and record date and your initials. Describe on back side if necessary. Found uploading problems on Initials Uploaded data successfully on			onmental spec	
FOR DNR USE ONLY. Check action taken, and record date and your initials. Describe on back side if necessary. Found uploading problems on Initials Notified contact of problems on Uploaded data successfully on			///	
FOR DNR USE ONLY. Check action taken, and record date and your initials. Describe on back side if necessary. Found uploading problems on Initials Notified contact of problems on Uploaded data successfully on	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	01	6/08	
☐ Found uploading problems on	Signature / /	Ljale	*	
☐ Found uploading problems on	FOR DNR USE ONLY. Chec	k action taken, and record date	and your initials. De	scribe on back side if necessary.
Notified contact of problems on Uploaded data successfully on	<u>_</u>			
	☐ Notified contact of prob	olems on	Uploaded data succ	cessfully on
EDD format(s): Diskette CD (initial submittal and follow-up) E-mail (follow-up only) Other				

CT LABORATORIES

delivering more than data from your environmental analyses

ENVIRONMENTAL SAMPLING CORP. Project Name: REFUSE HIDEAWAY

Project #: 1108 EVENT

Contract #: 552 Folder #: 70303 Page 2 of 3

CT LAB#: 628570	Sample Descrip	tion: PW-SOMMERS		•	DNR Licens	se/Well #: 019	53/305	Sampled: 1	1/17/2008 1255
Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst Method
Sub Lab Results									
Volatile Organic Compounds	ATTACHED		N/A	N/A	1			11/20/2008	sub EPA 524.2
CT LAB#: 628571	Sample Descrip	tion: PW-DURAND			DNR Licens	se/Well #: 019	953/308	Sampled: 1	1/17/2008 1345
Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst Method
Sub Lab Results									
Volatile Organic Compounds	ATTACHED		N/A	N/A	1			11/20/2008	sub EPA 524.2
CT LAB#: 628572	Sample Descrip	tion: PW-WAGNER	<u></u>		DNR Licens	se/Well #: 019	953/309	Sampled: 1	1/17/2008 1215
Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst Method
Sub Lab Results									
Volatile Organic Compounds	ATTACHED		N/A	N/A	1			11/20/2008	sub EPA 524.2
CT LAB#: 628573	Sample Descrip	otion: PW-WEBER				<u>-</u>	·	Sampled: 1	1/17/2008 1245
Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst Method
Sub Lab Results									
Volatile Organic Compounds	ATTACHED		N/A	N/A	1			11/20/2008	sub EPA 524.2
CT LAB#: 628574	Sample Descrip	otion: PW-ROUNDS			DNR Licens	se/Well #: 019	953/315	Sampled: 1	1/17/2008 1430
Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst Method
Sub Lab Results									
Volatile Organic Compounds	ATTACHED		N/A	N/A	1			11/20/2008	sub EPA 524.2



ANALYTICAL REPORT

ENVIRONMENTAL SAMPLING CORP. FRANK PERUGINI W125 S9808 NORTH CAPE ROAD MUSKEGO, WI 53150 Project Name: REFUSE HIDEAWAY

Contract #: 552

Project #: 1108 EVENT

Folder #: 70303 Purchase Order #: Page 1 of 3

Arrival Temperature: See COC

Report Date: 12/5/2008 Date Received: 11/18/2008

Reprint Date: 12/5/2008

CT LAB#: 628567	Sample Descrip	tion: PW-SATHER			DNR Licens	se/Well #: 019	53/300	Sampled: 1	1/17/2008	1310
Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Sub Lab Results										
olatile Organic Compounds	ATTACHED		N/A	N/A	1			11/20/2008	sub	EPA 524.2
CT LAB#: 628568	Sample Descrip	tion: PW-NOLES			DNR Licens	se/Well #: 019	53/312	Sampled: 1	1/17/2008	1140
Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Sub Lab Results										
/olatile Organic Compounds	ATTACHED		N/A	N/A	1			11/20/2008	sub	EPA 524.2
CT LAB#: 628569	Sample Descrip	tion: PW-MATUSH					·	Sampled: 1	1/17/2008	1340
Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Sub Lab Results										
/olatile Organic Compounds	ATTACHED		N/A	N/A	. 1			11/20/2008	sub	EPA 524.2
CT LAB#: 628570	Sample Descrip	tion: PW-SOMMERS			DNR Licens	se/Well #: 019	953/305	Sampled: 1	1/17/2008	1255
Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method



NORTHERN LAKE SERVICE, INC.

Analytical Laboratory and Environmental Services 400 North Lake Avenue - Crandon, WI 54520

Ph: (715)-478-2777 Fax: (715)-478-3060

Client:

CT Laboratories Inc Attn: Pat M Letterer 1230 Lange Court Baraboo,WI 53913 3109 **ANALYTICAL REPORT**

WDNR Laboratory ID No. 721026460 WDATCP Laboratory Certification No. 105-330

EPA Laboratory ID No. WI00034

Printed: 12/01/08 Code: S

Page 1 of 2

NLS Project:

125717

NLS Customer:

91430

Fax: 608 356 2766

Phone: 608 356 2760

Project: 70303 NLS and 70358 NLS					<u> </u>			
628567 NLS ID: 503295			,					
COC: CT Matrix: DW								
Collected: 11/17/08 13:10 Received: 11/19/08 Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Mathad	Lab
DW Volatile Organics (VOCs) by EPA 524.2	see attached	Onits	Dilution	LOD	LOG/MCL	11/20/08	EPA 524.2	721026460
628568 NLS ID: 503296								
COC: CT Matrix: DW								
Collected: 11/17/08 11:40 Received: 11/19/08		_	_	_				
Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method	Lab
DW Volatile Organics (VOCs) by EPA 524.2	see attached					11/20/08	EPA 524.2	721026460
628569 NLS ID: 503297 COC: CT Matrix: DW								
Collected: 11/17/08 13:40 Received: 11/19/08								
Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method	Lab
DW Volatile Organics (VOCs) by EPA 524.2	see attached		1000 1 1000	Constitution of the	,,,,,,,,,,,,,-	11/20/08	EPA 524.2	721026460
628570 NLS ID: 503298								
COC: CT Matrix: DW								
Collected: 11/17/08 12:55 Received: 11/19/08 Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method	Lab
DW Volatile Organics (VOCs) by EPA 524.2	see attached	Oinie	Dilution	ΓÖD	COMMICE		EPA 524.2	721026460
628571 NLS ID: 503299								, 4, 1, 2, 2, 1, 1, 2
COC: CT Matrix: DW								
Collected: 11/17/08 13:45 Received: 11/19/08								
Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method	Lab
DW Volatile Organics (VOCs) by EPA 524.2	see attached			,		11/21/08	EPA 524.2	721026460
628572 NLS ID: 503300 COC: CT Matrix: DW								
Collected: 11/17/08 12:15 Received: 11/19/08								
Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method	Lab
DW Volatile Organics (VOCs) by EPA 524.2	see attached				_		EPA 524.2	721026460
628573 NLS ID: 503301								
COC: CT Matrix: DW								
Collected: 11/17/08 12:45 Received: 11/19/08	D 14	11-14-	B 21 - 22 - 2		1.00/1101			
Parameter DW Volatile Organics (VOCs) by EPA 524.2	Result see attached	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method EPA 524.2	Lab 721026460
628574 NLS ID: 503302	Sec attached	-			va :	11/21/00	E17, 024.2	721020400
COC: CT Matrix: DW								
Collected: 11/17/08 14:30 Received: 11/19/08								
Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed		Lab
DW Volatile Organics (VOCs) by EPA 524.2	see attached	 				11/21/08	EPA 524.2	721026460
629721 NLS ID: 503704 COC: CT Matrix: DW							•	
Collected: 11/18/08 16:05 Received: 11/21/08								
Parameter	Result	Units	Dilution	LOD	LOQ/MCL	Analyzed	Method	Lab
DW Volatile Organics (VOCs) by EPA 524.2	see attached						EPA 524.2	721026460

NORTHERN LAKE SERVICE, INC. Analytical Laboratory and Environmental Services 400 North Lake Avenue - Crandon, WI 54520 Ph: (715)-478-2777 Fax: (715)-478-3060

ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460 WDATCP Laboratory Certification No. 105-330

EPA Laboratory ID No. WI00034 Printed: 12/01/08 Code: S

Page 2 of 2

NLS Project:

125717

NLS Customer:

91430

Fax: 608 356 2766

Phone: 608 356 2760

Project: 70303 NLS and 70358 NLS

CT Laboratories Inc

Attn: Pat M Letterer 1230 Lange Court

Baraboo,WI 53913 3109

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

: LOD = Limit of Detection

Client:

LOQ = Limit of Quantitation

ND = Not Detected (< LOD)

1000 ug/L = 1 mg/L

Authorized by: R. T. Krueger

DWB = Dry Weight Basis

NA = Not Applicable

%DWB = (mg/kg DWB) / 10000

MCL = Maximum Contaminant Levels for Drinking Water Samples. Shaded results indicate >MCL.

President

Environmental Sampling Corp. (ESC) Field Status Report – November 2008

COPY

WDNR / Refuse Hideaway Landfill Middleton, Wisconsin

Page 1 of 1

Task	Sampling Period / Date	Sample Type / Description
I	11/17/08 – 11/19/08	Groundwater Sampling
II	11/17/08	Residential Well Sampling
III	11/17/08 – 11/19/08	Groundwater Elevations

Project Status

- I. <u>Groundwater Sampling:</u> ESC staff was on site November 17 through November 19 to sample the groundwater the following groundwater monitoring wells: P-17S, P-18S, P-20SR, P-22D, P-22E, P-23D, P-23B, P-25BR, P-25D, P-26S, P-27D, P-27S, P-30D, P-30I, P-31D, P-31IA, P-31IB, P-40D, P-40I, P-43S, P-43I & P-43D. Groundwater elevations were recorded and the wells were purged and sampled using submersible electric pumps, dedicated bladder pumps or bailers. One duplicate sample (DUP01= P-23D) was collected in accordance with ESC's QA/QC procedures. A field blank (FB-01) was collected near P-29S. Several laboratory trip blanks also accompanied the samples. No sample was collected from P-31D because the well was frozen.
- II. <u>Residential Well Sampling:</u> ESC staff was on site November 17 &18, 2008 to collect nine residential drinking water supply well samples (PW-Sather, PW-Matush, PW-Sommers, PW-Durand, PW-Wagner, PW-Weber, PW-Rounds, PW-Stoppleworth, & PW-Noles). One trip blank accompanied the samples in accordance with ESC's QA/QC procedures.
- III. <u>Groundwater Elevations:</u> ESC staff was on site November 17 through November 19 to collect the groundwater elevations from the remaining 38 monitoring wells on site not sampled during the November event. Results were recorded on ESC's Field Sheet.

Task Deviations and Reporting Turnaround

Test results will be available in approximately 30 days.

Field Observations

- Dup-01 = P-23D
- P-31D was frozen and could not be sampled.

Proposed Additional Actions

• New locks and Identification signs.

Other Observations

None.

Rev. 3/2006	Chain of	Custody	Page of 1					
Company: ESC Project Contact: FrankPengini (L B B B B B B B B B		1230 Lange Court, Baraboo, WI 53913 608-356-2760 Fax 608-356-2766 www.ctlaboratories.com	Mail Report To: Frank Pengini. Company: ESC Address: W125 398083 NorthCape					
Project Location: Middleton, WI Sampled By: Tracy Tpave *Notify Lab prices and the sample sa	round Time RUSH* I or to sending in RUSH es. Surcharges:	Lab Use Only Place Header Sticker Here:	City/State/Zip: Madusan wi 53150 Invoice To: Company: Same as above Address:					
Regulatory Program: 24 hr 200% 2-3 de	ays 100% 4-9 days 50%, ange without notice.		City/State/Zip: PO No.					
Client Special Instructions:		ANALYSES REQUESTED						
Landfill License Number:	Filtered? Y/N **Matrix: V-HC{ VoCs (524.2)		* Preservation Code A=None B=HCL C=H2SO4 D=HNO3 E=Encore F=Methanol G=NaOH O=Other					
Collection								
Date Time Comp Sample ID Description		Fill in Spaces with Bottles per Test	Lab ID #					
11/17/08/1310 G PW-Sather	N DW 3		3 8					
1140 G PW-Noles 1340 G PW-Matush	N DW 3		3 8					
	N DW 3		3 B					
1255 G PW-Sommers	N DW 3		3 B 3 B					
1345 G PW-Durand 1215 G PW-Wagner	- - ' } - - ' - 		3 B					
	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	 	3 8					
11/17/08 1430 G PW- Rounds	N DW 3		3 8					
1111100 1770 131 1100 NOWAS	11 010 3							
Relia quished By: Date/Time Relinquished By:	Date/Time	Ice Present Yes Temperature Cooler #	No **Matrix S-Soil A-Air SI-Sludge M-Misc Waste GW-Groundwater SW-Surface Water					

REFUSE HIDEAWAY LANDFILL DANE COUNTY, WI (WDNR LICENSE #01953) 2008 MONITORING SYSTEM SUMMARY - 02/08

PRIVATE WELLS

	TASK	MONITORING POINTS	PARAMETERS	FREQUENCY
	1.	PW-Sather, PW-Bonk, PW-Bula,	field pH	May
		PW-Wheat/Krueger,	field conductivity	
		PW-Tantrow/Thompson,	field temperature	
]	PW-Summers, PW-Noles,	field observations	
		PW-Stoppleworth	VOCs (524.2)	
		(8 samples)		
	H. ')	PW-Sather, PW-Matush,	groundwater elevation (ft. MSL)	November
		PW-Sommers, PW-Weber,	field pH	
(PW-Durand, PW-Wagner,	field conductivity	
		PW-Rounds, PW-Noles,	field temperature	
		PW-Stoppleworth	field observations	
		(9 samples)	VOCs (524.2)	

Source: Specifications/Scope of Work (Revised 03/2007), Refuse Hideaway Landfill

Contacts:

Pat Letterer - CT Laboratory: (800) 228-3012 Hank Kuehling - WDNR: (608) 275-3286

Directions to site:

I94 west to the beltline (HWY 12-18). Exit at Hwy 14 (LaCrosse, Spring Green), turn left. Turn right into driveway before billboard (ShoeBox). 7562 Hwy 14

Reporting:

Groundwater and private well monitoring results including elevations (cover letter and analytical) to WDNR in January and July. (ESC)

					1			
Rev. 3/2006	Chain o	f Custody	Pag	e/	of 5			
Company: FSC 40	1	1230 Lange Court, Baraboo, WI 5		To:	Frank Brugnis			
Project Contact: Frank Perugini ([] B) R F Telephone: 414-427-5033	ITORIFY	608-356-2760 Fax 608-356-276	66 Company:		0.00			
Telephone: 414-427-50330	gund Time	www.ctlaboratories.com	Address: \	NI25 59	808 S. North Coperay			
Project Name: Refus Hideaway LF Project Number: 11/08 event Date Needed		Lab Use Only	City/State	Address: W125 S9808 S. North Co City/State/Zip: Muskego, W1 53				
Project Number: //of lived		Place Header Sticker Here:	Invoice To:		Above			
riolect rocation: Maright' M			Company	: See	Alone !!			
	to sending in RUSH		Address:	200-				
Regulatory Program: 24 hr 200% 2-3 day	Surcharges: /s 100% 4-9 days 50%,		City/State	e/Zip:				
	nge without notice.			, T				
Solid Waste Other			PO No.		1			
Client Special Instructions:		ANALYSES REQUESTED						
			N N					
			of Containers		* Preservation Code			
	(0928)		l l		A=None B=HCL			
	8,77		S	ion,	C=H2SO4 D=HNO3			
.,			jo #	vat	E=Encore F=Methanol			
Landfill License Number: #01953	#Matrix: 1-PEC 10Cs (821		Total#	Preservation*	G=NaOH O=Other			
Collection			L	Pr				
Date Time Comp Sample ID Description		Fill in Spaces with Bottles per	Test		Lab ID #			
11/18/08 1520 G P-175 P	N GW 3		1 3	B				
11/18/08 1330 G P-185 P	N 1 3		3	B				
11/19/08 1350 G P-20SR B	N 3		3	B				
11/17/08 1245 G P-22D P	N 3		3	B				
	N 1 3		3	B				
11/17/08 1430 G P-22E P 11/17/08 1500 G P-22S P	W 3		3					
11/19/08 1930 G P-23D P	N GW 3		1 3	B				
11/18/08 1110 G P-235 B	N 9 3		1 3	B				
	$\frac{1}{N}$ $\frac{1}{3}$		1 3	B				
0.0000	1 1 3	-	1 3					
			1 3	B				
111/9/px 1240 6" P-265 P	N 3		1 3	B				
11/18/08 1445 B P-27D P	N V 3			B				
11/8/08 1500 B P-27S P	N GW 3		3	B				
Relinquished By: Date/Time Relinquished By:	Date/Time				**Matrix			
1700 January 1700	e e e e e e e e e e e e e e e e e e e	Ice Present Yes	No s-So		SI-Sludge M-Misc Waste			
Received by: Date/Time Received for Laborato	ry by: Date/Time	Temperature	CXAT		vater SW-Surface Water			
	,	Cooler #			ter DW-Drinking Water			
					!			

											•.
Rev. 3/2006		Chain	of Cus	tody					Page	2	of 5
Company: ESC Project Contact: Frank Penigini ([]] B Telephone: 414-427-5033 Project Name: Refuse Hideaway LF Region Number Hideaway LF	ORATOR	E A		08-356-2	760 F	Baraboo, V ax 608-35 atories.co	6-2766	Mail I Com Add	Report T pany: ' ress: W	io: Fra ESC 1125 S	- of 5 nk Perngini. 59808 S. North Capel Justigo, WI 53150 ee Abone
Project Location: Malicon, WI Sampled By: Coff Tylimark Teremulation of the Sampled By: Regulatory Program: UST RCRA SDWA NPDES subject Solid Waste Other	Date Needed Madison, WI Madison, WI *Notify Lab prior to sending in RUSH samples. Surcharges: ram: 24 hr 200% 2-3 days 100% 4-9 days 50%, SDWA NPDES subject to change without notice. her						0%,				
Client Special Instructions:				ANALYSI	ES REQU	JESTED			٦		
Landfill License Number: #01953 Collection Grab/ Sample ID Description	GO Filtered? Y/N	ہـا نا ا	(00/28 - 82(00)) Fill	in Spac	es with	ı Bottles	per Tes	t	Total # of Containers	Preservation*	* Preservation Code A=None B=HCL C=H2SO4 D=HNO3 E=Encore F=Methanol G=NaOH O=Other Lab ID #
11/19/08 1200 G P-30D P	N	BW 3		Τ			- 		3	B	
11/19/08 1115 G' P-30I P	N	1.3							3	B	
$\frac{1}{1}$ $\frac{1}$	N.	2	, Well	Froze	n-	No Si	mple		3	18	ļ
11/18/08 1000 G P-3/JA P	N				<u> </u>	<u> </u>			3	B	
11/18/0x 1030 G P-31 JB P	N	3	,	_	ļ	 				B	
11/18/08 1120 G P-40D P 11/17/08 1600 G P-40I P	N N				 	 			3	B	
	N	6W 3			ļ	 -			$\frac{3}{3}$	B	
11/18/08 1130 G P-43D P	N.	1 3			 				3	B	
11/18/08 1130 G P-43D P 11/18/08 6950 G P-43 I P 11/18/08 0930 G P-43S P					 -	+-+			3	B	
	- N	1 3			 				$\frac{3}{3}$	B	
1. 1. 4 . 10. 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 . 4 1 .	N	1 7 7			 	++			+ 3	12	
11/19/08 1340 6 7B-01 - 6 Trip Blank	N	.BW . 2			 	1			12	BB	
Refinquished By: Date/Time Relinquished E 1 10 10 10 10 10 10 1	By:	Date/Time Date/Time	·		Ice Pres Cemper Cooler #	ature	Yes	No	S-Soil GW-	l A-Air Ground	**Matrix S1-Sludge M-Misc Wast water SW-Surface Wate ater DW-Drinking Wate
			_ 			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			····		

					n	_ :_		
Rev. 3/2006	Chain o	f Custody		Page	. <i>9</i>	of5		
Company: ESC Project Contact: Frank Pengini ([] []]] [ATORIES A	1230 Lange Court, Baraboo 608-356-2760 Fax 608-3 www.ctlaboratories.	356-2766	Mail Report To: Frank Ferrigini Company: ESC Address: W125 S9808 S. North Cop City/State/Zip: Muskego, W1 5315				
Sampled By: Sampled By: Sampled By: Sampled By: Sample Regulatory Program: Sample 24 hr 200% 2-3 de	or to sending in RUSH s. Surcharges: ays 100% 4-9 days 50%,	Lab Use Ouly Place Header Sticker He	Invoice To: Company: Address: City/State/Zip:					
Solid Waste Other	nge without notice.			PO No.				
Client Special Instructions:	<u> </u>	ANALYSES REQUESTED		<u> </u>	T			
Landfill License Number: # 01933 Collection Grab/ Sample ID Description	######################################	Granndworter HevNo Sample		Total # of Containers	Preservation*	* Preservation Code A=None B=HCL C=H2SO4 D=HNO3 E=Encore F=Methanol G=NaOH O=Other Lab ID #		
isud I mue I comb I		Fill in Spaces with Bottle	es per Test		_ 	Lab ID II		
11/18/08 1605 G PW-Stoppleworth	N DW 3	 	 	3	B			
11/17/08 - 1 P-10		1-2	 		1			
- P-3c		X	 	+ +=	1	 		
P-4c			 	+ = =	+-			
- P-86R		1\$	 	+ = =	-			
- P-8D		12	-		+=			
- P-8S			 					
- P-9D			 		+			
P-90			+		+=-			
- P-16D		1 × 1	 		+=			
P-163	1 _ _ _			1 =	-			
11/708 - P-21BR	1-1-1-				+_			
Relinquished By: Date Time Relinquished By: 11 (908 700 Received for Laborate Received for L	Date/Time ory by: Date/Time	Ice Present Temperature _ Cooler #		GW-	il A-Air -Ground	**Matrix SI-Sludge M-Misc Waste water SW-Surface Water ater DW-Drinking Water		
					·····			

1											, 1
Rev. 3/2006		Ch	ain of	Custody	· · · · · · · · · · · · · · · · · · ·				Page	4	of5
Company: ESC Project Contact: Frank Pengini (T [] B] R Telephone: 414-427-5033		1230 Lange Court, Baraboo, WI 608-356-2760 Fax 608-356-2 www.ctlaboratories.com					356-2766	Mail Con Add	9808 S. North Capelle		
Project Number: 11 06 Ivent Date Norma Project Location: Malish, WI Sampled, By Regulatory Program: Norma Date Needed Norma Notify Lab prior samples 24 hr 200% 2-3 da	r to sending. Surcharg	RUSH* Place Header Sticker Here: To sending in RUSH Surcharges: ys 100% 4-9 days 50%, age without notice.					Invo Con Add City	me Ferngine 9808 S. North Capelle Justego, WI 53150 e Above			
Client Special Instructions:	Τ			ANAL	YSES REQU	JESTED				1	
Landfill License Number: # 81953	Filtred? Y/N	**Matrix:	Growdunger Elw No Semple						Total # of Containers	Preservation*	* Preservation Code A=None B=HCL C=H2SO4 D=HNO3 E=Encore F=Methanol G=NaOH O=Other
Date Time Comp Sample ID Description	ļ		<u> </u>	Fill in Sp	aces witl	h Bottle	es per Tes	 t		J	Lab ID#
11/17/08 P-ZID	 	_	V								
P-21S	1		X								
- ^ P-24D			X								
P-24E	_		X								
P-25S		$\hat{}$	X							<u> </u>	
- P-26D		^	X								
P-28S			X	·							
- - P-298		$\hat{}$	χ						-	-	
P-30S		_	χ						_	_	
- P-31S		1	X							1-	
- P- 32 D	~		X						_	_	
P-32S	_		X						_		
11/17/08 P-33D	1_1		X				T		-	- -	
Relinquished By: Date/Time Relinquished By:	ory by:	Date/T			Ice Pre Temper Cooler	rature _	Yes	No	GW-	Ground	**Matrix S1–Sludge M–Misc Waste water SW–Surface Water ater DW–Drinking Water
					•		······				

													3
Rev. 3/2006		C	hain of	Custody		,				Page		of	5.
Company: ESC Project Contact: Frank Pengini Telephone: 414-427-5033 Project Name: Refuse Hideaway LF Project Number: 11/08 avent Project Location: Malison, WI Date Needed	round T	[1230 Lange 608-356- ww	Court, B 2760 Fi w.ctlabor Lab Use ace Header S	ax 608-3 atories.	356-2766 com	13	Mail Re Compo Addre City/S Invoice Comp	port To any: ess: W State/ To: any:	o: Fro ESC 125 S Zip:M Se	mk fer 98085. ustego, e Abor	ngini. North Capelle WI 53150
Regulatory Program: 24 lu 200% 2-3 da	s. Surcharges: nys 100% 4-9 days 50%, nge without notice.							Address: City/State/Zip: PO No.					
Client Special Instructions:	T			ANALYS	ES REQU	ESTED							
Landfill License Number: # 81953	Filtered? Y/N	**Matrix:	Grammelington The Sample							Total # of Containers	Preservation*	A=None C=H2SO	
Collection Grab/ Sample ID Description	 		A M	Fill in Spa	coc writh	Bottle	L TOT' T	est				L	ab ID#
11/1765 - P-33S	_	1	X		T WILL	Botac	S PCL 1						
P-34S	+==		V		 -	<u> </u>					_		
- P-34D	—		X								_	1	
P-34D P-35S			X										
P-35 D	1		Y			1					_		
— — P-36D			X							_	-		
P-36S			X			1				_	_		
P-38S	 		X							_			· · · · · · · · · · · · · · · · · · ·
P-39S			X	 		 	 				_	 	<u></u>
P-40S		-	X	 	-	 	 		 	T	-	 	
		 _	X		-	 	 		 	 			
- P-41S	<u> </u>	-	1-5-	+		 	-			-			
11/17/08 - P-42S	+	-	+.			 	+			 	 	+	
Relinquished By: Date/Time Relinquished By:	ory by:	Date/			Ice Pres Temper Cooler #	ature _		N	-	GW-0	A-Air Ground	water SW	M-Misc Waste -Surface Water Drinking Water
						····							· · · · · · · · · · · · · · · · · · ·

REFUSE HIDEAWAY LANDFILL DANE COUNTY, WI (WDNR LICENSE #01953) 2008 MONITORING SYSTEM SUMMARY - 02/08

GROUNDWATER

TASK	MONITORING POINTS	PARAMETERS	FREQUENCY
1.	P-1D, P-1S, P-3S, P-4S, P-8BR +, P-30S, P-33S +, P-35S +, P-35D +, P-36D, P-36S, P-38S, P-39S, P-40S, P-41S, P-42S (+ - Select wells are sampled every third year)	groundwater elevation (ft MSL)	May
11.	P-8D, P-8S, P-9D, P-9S, P-16S, P-16D, P-17S, P-18S, P-20SR, P-21S, P-21D, P-21BR, P-22D, P-22E, P-22S, P-23D, P-23S, P-24D, P-24E, P-25S, P-25D, P-25BR, P-26S, P-26D, P-27D, P-27S, P-28S, P-29S, P-30D, P-30I, P-31D, P-31IA, P-31IB, P-31S, P-32D, P-32S, P-33D, P-34S, P-34D, P-40D, P-40I, P-41D, P-43D, P-43I, P-43S, DUP-01, DUP-02, FB-01 (48 samples)	groundwater elevation (ft. MSL) field pH field conductivity field temperature field observations VOCs (8260)	May
fill.	P-8BR, P-33S, P-35S, P-35D	groundwater elevation (ft. MSL) field pH field conductivity field temperature field observations	Every third year in May (2008, 2011, 2014, etc.)
	(4 samples)	VOCs (8260)	
Iv.	P-1D, P-1S, P-3S, P-4S, P-8BR, P-8D, P-8S, P-9D, P-9S, P-16D, P-16S, P-21BR, P-21D, P-21S, P-24D, P-24E, P-25S, P-26D, P-28S, P-29S, P-30S, P-31S, P-32D, P-32S, P-33D, P-33S, P-34S, P-34D, P-35S, P-35D, P-36D, P-36S, P-38S, P-39S, P-40S, P-41D, P-41S, P-42S	groundwater elevation (ft. MSL)	November
	P-17S, P-18S, P-20SR, P-22D, P-22E, P-22S, P-23D, P-23S, P-25D, P-25BR, P-26S, P-27D, P-27S, P-30D, P-30I, P-31D, P-31IA, P-31IB, P-40D, P-40I, P-43D, P-43I, P-43S, DUP-01, FB-01 (23 samples) P-8BR, P-9B, P-24D, P-24E	groundwater elevation (ft. MSL) field pH field conductivity field temperature field observations VOCs (8260)	November
	P-8BR, P-967P-24D, P-24B P-33D, P-36S (Wells with water level control equip.)	Well equipment inspection (Inspect devices to ensure that the wells are protected from frost damage. When water levels are 3 ft. below ground surface, the inspection is no longer required)	December, January, February, March

REFUSE HIDEAWAY LANDFILL DANE COUNTY, WI (WDNR LICENSE #01953) 2008 MONITORING SYSTEM SUMMARY - 02/08

PRIVATE WELLS

TASK	MONITORING POINTS	PARAMETERS	FREQUENCY
l.	PW-Sather, PW-Bonk, PW-Bula,	field pH	May
	PW-Wheat/Krueger,	field conductivity	
	PW-Tantrow/Thompson,	field temperature	
	PW-Summers, PW-Noles,	field observations	
	PW-Stoppleworth	VOCs (524.2)	
Ĺ	(8 samples)		
	PW-Sather, PW-Matush, /	groundwater elevation (ft. MSL)	November
1 /	PW-Sommers, PW-Weber,	field pH	
	PW-Durand, PW-Wagner, /	field conductivity	
1 (PW-Rounds, PW-Noles,	field temperature	
	PW-Stoppleworth	field observations /	
	/(9 samples)	VOCs (524.2)	

Source: Specifications/Scope of Work (Revised 03/2007), Refuse Hideaway Landfill

Contacts:

Pat Letterer - CT Laboratory: (800) 228-3012 Hank Kuehling - WDNR: (608) 275-3286

Directions to site:

194 west to the beltline (HWY 12-18). Exit at Hwy 14 (LaCrosse, Spring Green), turn left. Turn right into driveway before billboard (ShoeBox). 7562 Hwy 14

Reporting:

Groundwater and private well monitoring results including elevations (cover letter and analytical) to WDNR in January and July. (ESC)

WDNR - Refuse Hideaway Landfill Groundwater Elevations November 2008

Well I.D.	Total Depth (ft)	TOC Elevation (msl)	Depth to Water (ft)	Groundwater Elevation (ft/msl)	Equipment in well
P-1D		926.67	0.10	926.57	
P-1S		924.39	2.01	922.38	
P-3S		932.79	6.00	926.79	
P-4S		929.89	2.85	927.04	
P-8BR	111.50	929.52	2.77	926.75	Geopump
P-8D	41.80	930.98	4.27	926.71	tubing
P-8S	18.40	932.50	6.11	926.39	bailer
P-9D	43.00	930.43	3.33	927.10	tubing
P-9S	16.00	932.09	5.36	926.73	bailer
P-16D	42.90	936.30	10.61	925.69	tubing
P-16S	17.20	935.96	10.69	925.27	bailer
P-17S	158.80	1081.75	151.66	930.09	QED pump
P-18S	107.20	1020.57	92.07	928.50	QED pump
P-20SR	66.30	961.78	33.68	928.10	bailer
P-21BR	148.30	935.19	9.20	925.99	QED pump
P-21D	41.60	935.81	9.74	926.07	tubing
P-21S	19.70	936.43	8.76	927.67	bailer
P-22D	217.30	1088.94	169.00	919.94	QED pump/packer
P-22E	273.00	1089.72	169.80	919.92	Geopump
P-22S	184.70	1088.20	168.00	920.20	QED pump
P-23D	80.10	961.53	34.02	927.51	QED pump
P-23S	48.10	961.71	34.25	927.46	bailer
P-24D	25.20	927.25	1.00	926.25	tubing
P-24E	52.50	927.39	0.55	926.84	tubing
P-25BR	140.30	943.27	20.66	922.61	QED pump
P-25D	96.30	943.86	21.48	922.38	QED pump
P-25S	29.40	943.14	17.51	925.63	bailer
P-26D	262.10	1149.63	215.85	933.78	QED pump
P-26S	237.60	1150.95	215.00	935.95	QED pump
P-27D	204.30	1095.56	168.80	926.76	QED pump/packer
P-27S	188.80	1095.23	168.95	926.28	QED pump
P-28S	207.40	1124.33	191.15	933.18	QED pump
P-29S	257.20	1163.10	230.10	933.00	QED pump
P-30D	289.50	932.97	17.51	915.46	QED pump/packer
P-30I	142.30	930.94	15.55	915.39	QED pump/packer
P-30S		932.61	17.34	915.27	, , , , , , , , , , , , , , , , , , , ,
P-31D	258.20	915.72	*	N/A	QED pump/packer
P-31IA	95.60	916.77	*	N/A	QED pump/packer
P-31IB	135.70	916.49	*	N/A	QED pump/packer
P-31S	28.80	916.59	4.62	911.97	QED pump
P-32D	176.20	942.66	18.44	924.22	QED pump
P-32S	39.50	943.73	17.22	926.51	No equipment

WDNR - Refuse Hideaway Landfill Groundwater Elevations November 2008

Well I.D.	Total Depth (ft)	TOC Elevation (msl)	Depth to Water (ft)	Groundwater Elevation (ft/msl)	Equipment in well
P-33D	103.40	928.50	1.17	927.33	QED pump
P-33S	27.60	928.55	3.56	924.99	
P-34D	276.10	1090.98	157.10	933.88	QED pump/packer
P-34S	186.00	1091.10	156.10	935.00	QED pump
P-35D	252.60	1087.70	159.00	928.70	
P-35S	184.00	1087.90	157.50	930.40	
P-36D		924.34	0.00	924.34	
P-36S		924.49	1.14	923.35	
P-38S		923.21	6.33	916.88	
P-39S		946.08	30.93	915.15	
P-40D	255.20	922.98	7.29	915.69	QED pump/packer
P-40I	104.80	922.28	5.96	916.32	QED pump/packer
P-40S		922.01	7.17	914.84	
P-41D	104.50	924.82	13.10	911.72	QED pump/packer
P-41S		925.58	8.55	917.03	
P-42S	*	917.62	7.50	910.12	
P-43D	283.60	1109.92	186.20	923.72	Geopump
P-43I	233.30	1110.24	186.60	923.64	Geopump
P-43S	205.70	1110.60	187.00	923.60	Geopump

Top of well elevations and total depth measurements were obtained from the WDNR Specifications/Scope of Work (revised 03/2007).

^{* -} Probe could not be inserted due to pump.

					ENVI	RONMEI	NTAL SAM				GROUNI VEMBER 2		MONITO	RING FIEL	D FORM						
				Purging	Phase										Sampl	ing Phas	e				
Well ID	Date (2008)	Time (24hrs.)	Top of Well Elevation (ft.MSL)	Depth to Water (ft.)	Groundwater Elevation (ft.MSL)	Total Depth (ft.)	Height of Water Col. (ft.)	Req. Gal. to Purge (4 vol.)	Amount Purged (gal.)		Date (2008)	Time (24hrs.)	pH (s.u.)	Spec. Cond. (25C)	Temp. (deg.C)	Color before Filter	Color after Filter	Odor	Turb before Filter	Turb after Filter	Number of Filters Used
P-22D	11/17	1200	1088.94	169.00	919.94	217.2	48.2	PACKER 5.5	6.0		11/17	1245	6.79	597	8.3	clear		none	none		
P-22E	11/17	1200	1089.72	169.80	919.92	273.0	103.2	67.4	17.0*		11/17	1430	7.56	590	5.6	clear		none	none		
P-22S	11/17	1200	1088.20	168.00	920.20	184.7	16.7	10.9	11.0		11/17	1500	7.68	631	7.5	tan		none	moderate		
P-26D	11/17		1149.63	215.85	933.78															-	
P-26S	11/19	0940	1150.95	215.00	935.95	237.6	22.6	14.8	15.0		11/19	1240	6.80	924	9.8	clear		none	none		
P-27D	11/18	1400	1095.56	168.80	926.76	204.3	35.5	PACKER 8.0	8.0		11/18	1445	7.48	1077	8.5	clear		none	none		
P-27S	11/18	1400	1095.23	168.95	926.28	188.8	19.9	13.0	13.0		11/18	1500	7.23	1030	9.8	clear		none	none		- '
P-28S	11/17		1124.33	191.15	933.18																-
P-29S	11/17		1163.10	230.10	933.00	-															
P-34D	11/17		1090.98	157.10	933.88	-												-	-		-
P-34S	11/17		1091.10	156.10	935.00				_ 				-	-							-
P-35D	11/17		1087.70	159.00	928.70	-											-			-	
P-35S	11/17		1087.90	157.50	930.40																
			per foot to ge			49	. A 652!				WEATHE	R 11/17/2008	Wind Sp		5-15 mph		Direction:	NW		Temp.:	30
NOTES:	0.092 gal.	∠ weii : 0	.163 gal.	J Well: U	.3// gai.	4" Well	: 0.653 gal	·		1	Date:	ipment Us		Overview:	Cloudy flurri	es					
	wells are lo	ocated on t	he Sommers	Farm prope	erty.					1	pH Meter			Oakton		pH 7.0	7.00	pH 4.0:	4.01	Slope	: NA
]		nd. Meter:		Oakton			Standard:	1413	Reading	1407	
* 1 000 \$1-00	u complie -	oguic====	. Sample coll	losted offer	field reading	n had stal	ilizad			-	Temperat	ure:		2.7							
Facility Na			fuse Hideawa		nelo reading	s nau stal	лигео.		FNVIR	ONM	ENTAL	Client:	WDNR					Page:	1	of	6
Facility Ad			4. Middleton.							MPL		Project:		RHL - 05/0	8 Event				_ 		
ESC Perso		JM, SF		····								Prepared	by:	SF		Date:	11/20	/2008			
									414	-427-	5033	Checked	by:	TI		Date:	11/20	/2008			

					EN	/IRONMEI	NTAL SAI	MPLING CO	RPORATI				MONITOR	RING FIELD	FORM						
· -				Purgin	g Phase										Samp	ling Phas	ie				
Well ID	Date (2008)	Time (24hrs.)	Top of Well Elevation (ft.MSL)	Depth to Water (ft.)	Groundwater Elevation (ft.MSL)	Total Depth (ft.)	Height of Water Col. (ft.)	Req. Gal. to Purge (4 vol.)	Amount Purged (gal.)		Date (2008)	Time (24hrs.)	pH (s.u.)	Spec. Cond. (25C)	Temp. (deg.C)	Color before Filter	Color after Filter	Odor	Turb before Filter	Turb after Filter	Number of Filters Used
P-43D	11/18	0900	1109.92	186.20	923.72	283.6	97.4	63.6	16.0*		11/18	1130	7.68	789	8.1	clear		none	none	-	
P-43I	11/18	0900	1110.24	186.60	923.64	233.3	46.7	30.5	8.0*		11/18	0950	6.90	750	8.6	cloudy		none	low		
P-43S	11/18	0900	1110.60	187.00	923.60	205.7	18.7	12.2	4.0*		11/18	0930	6.84	810	7.9	clear		none	none		
P-30D	11/19	1120	932.97	17.51	915.46	289.5	272.0	PACKER 15.0	15.0		11/19	1200	7.44	512	8.9	clear		none	none		-
P-30I	11/19	1030	930.94	15.55	915.39	142.3	126.8	PACKER 9.0	9.0		11/19	1115	7.72	622	9.5	clear		none	none	_	
P-31D	11/18		915.72	NA	NA									W	/ell Frozen - N	lo Sample	Collected				
P-31IA	11/18	0930	916.77	NA	NA	95.6	NA	PACKER 8.0	8.0		11/18	1000	7.34	785	9.9	clear	-	none	none		
P-31IB	11/18	1000	916.49	NA	NA	135.7	NA	PACKER 8.0	8.0		11/18	1030	6.91	791	8.5	clear		none	none	_	
P-31S	11/17	-	916.59	4.62	911.97															-	
P-32D	11/17		942.66	18.44	924.22																
P-32S	11/17	<u></u>	943.73	17.22	926.51																
P-40D	11/18	1050	922.98	7.29	915.69	255.200	247.9	PACKER 9.0	9.0		11/18	1120	7.18	546	9.2	clear		none	none		
P-401	11/17	1540	922.28	5.96	916.32	104.8	98.8	PACKER 9.0	9.0		11/17	1600	7.05	603	5.2	clear		none	none		
Casing I.D 1.5" well :			per foot to g	et one wel 3" well : (4" well : () 653 mal				WEATHE Date:	R 11/18/2008	Wind Sp	oeed: Overview:	0-10 mph		Direction:	N		Temp.:	30
NOTES:	0.092 gai.	Z Well. U	. 103 gai.	3 Well. (7.377 gai.	4 Well.	7.033 gai.				Date Equ			Overview.	Suring	-	· · · · · · · · · · · · · · · · · · ·		_		
		located on	the Sommer	's Farm pro	perty. The rei	naining we	lls are loca	ted			pH Meter			Oakton		pH 7.0:		pH 4.0		Slope	: NA
along High												nd. Meter:		Oakton			Standard:	1413	Reading	1415	
P-31D Fro:		equinmen	t Sample co	lected afte	r field reading	s had stabi	lized				Temperat	ure:		1.1							
Facility Na			fuse Hideaw		oid reading	S HOU STON			ENVIR	ONN	MENTAL	Client:	WDNR					Page:	2	of	- 6
Facility A			4, Middleton				·				ING	Project:		RHL - 05/0	8 Event						
ESC Perso		JM, SF									ATION -	Prepared		SF		Date:	11/20/				
									414-	<u>427</u>	-5033	Checked	by:	TI		Date:	11/20	/2008			

	<u>". </u>				ENVI	RONME	NTAL SA	MPLING C			N GROUN OVEMBER		MONITO	RING FIEL	DFORM			g.,	<u></u>		
				Purging	Phase					_			· ·		Sampl	ing Phas	е				
Well ID	Date (2008)	Time (24hrs.)	Top of Well Elevation (ft.MSL)	Depth to Water (ft.)	Groundwater Elevation (ft.MSL)	Total Depth (ft.)	Height of Water Col. (ft.)	Req. Gal. to Purge (4 vol.)	Amount Purged (gal.)		Date (2008)	Time (24hrs.)	pH (s.u.)	Spec. Cond. (25C)	Temp. (deg.C)	Color before Filter	Color after Filter	Odor	Turb before Filter	Turb after Filter	Number of Filters Used
P-41D	11/17		924.82	13.10	911.72													1	-	1	
P-30S	11/17		932.61	17.34	915.27													_			-
P-36D	11/17		924.34	0.00	924.34															-	
P-36S	11/17		924.49	1.14	923.35	-							-								
P-38S	11/17		923.21	6.33	916.88			-										-			
P-39S	11/17		946.08	30.93	915.15	_															
P-40S	11/17	-	922.01	7.17	914.84		_														
P-41S	11/17		925.58	8.55	917.03			-	-				-	-			_	-		_	_
P-42S	11/17		917.62	7.50	910.12						-										-
P-17S	11/18	1400	1081.75	151.66	930.09	158.8	7.14	4.7	5.0		11/18	1520	6.70	1,198	10.6	clear		none	none		
P-18S	11/18	1225	1020.57	92.07	928.50	107.2	15.13	9.9	10.0		11/18	1330	7.18	611	10.0	clear		none	none		
FB-01	11/19										11/19	1340	7.86	45.3	7.1	clear		none	none		
DUP-01	11/19				_						11/19	1430	7.09	550	10.4	clear		none	none		
			per foot to g			40	. 0 652 651				WEATHE Date:	R 11/17/2008	Wind S		5-15 mph Cloudy flurri		Direction:	NW		Temp.:	30
NOTES:	v.u92 gai.	∠ weii: U	.163 gal.	3 Well: (.sii gai.	4" Well	: 0.653 gal					ipment Use		Overview:	Cioudy Hurri	es					
P-17S and		located or	the rock ledg	es around	the site. The	emaining	wells are I	ocated		1	pH Meter	:		Oakton		pH 7.0		pH 4.0:		Slope	NA
along High												nd. Meter:		Oakton			Standard:	1413	Reading	1407	
Dup-01 = F	23D									l	Tempera	ture:		2.7							
Facility Na	ame:	WDNR Re	fuse Hideawa	ay Landfill					ENVIR	ON	MENTAL	Client:	WDNR		·			Page:	3	of	6
Facility A			4, Middleton,	WI							LING	Project:		RHL - 05/0	8 Event						
ESC Perso	onnel:	JM, SF							4		RATION	Prepared		SF		Date:	11/20/				
	Vicemeliald Comple								414	-42	7-5033	Checked	oy:	TI		Date:	11/20/	ZUU8			

—т				Purging							<u> </u>				Sampl	ing Phas	<u>e</u>				
Well ID	Date (2008)	Time (24hrs.)	Top of Well Elevation (ft.MSL)	Depth to Water (ft.)	Groundwater Elevation (ft.MSL)	Total Depth (ft.)	Height of Water Col. (ft.)	Req. Gal. to Purge (4 vol.)	Amount Purged (gal.)		Date (2008)	Time (24hrs.)	pH (s.u.)	Spec. Cond. (25C)	Temp. (deg.C)	Color before Filter	Color after Filter	Odor	Turb before Filter	Turb after Filter	Number of Filters Used
P-8D	11/17		930.98	4.27	926.71				<u>-</u>								-				
P-8S	11/17	- :	932.50	6.11	926.39																-
P-9D	11/17		930.43	3.33	927.10																-
P-9S	11/17		932.09	5.36	926.73	<u></u>															
P-16D	11/17		936.30	10.61	925.69																-
P-16S	11/17		935.96	10.69	925.27												-				
P-20SR	11/19	1300	961.78	33.68	928.10	66.3	32.6	21.3	22.0		11/19	1350	7.26	589	10.5	clear	1	none	none		
P-21BR	11/17		935.19	9.20	925.99							-				1	-	-		-	
P-21D	11/17		935.81	9.74	926.07			-				1	-			1	•				
P-21S	11/17		936.43	8.26	928.17				-		<u>-</u>	-									
P-23D	11/19	1250	961.53	34.02	927.51	80.1	46.1	30.1	31.0		11/19	1430	7.09	550	10.4	clear		none	low		
P-23S	11/17	1040	961.71	34.25	927.46	48.1	13.9	9.0	9.0		11/18	1110	7.51	821	7.3	clear		none	none		
P-24D	11/17	-	927.25	1.00	926.25																
			per foot to g							T	WEATHE		Wind S		0-10 mph		Direction:	N		Temp.:	30
	0.092 gal.	2" well : 0),163 gal.	3" well : ().377 gal.	4" well :	0.653 gal.			-	Date:	11/18/2008		Overview:	Sunny						
NOTES:	wells are I	ocated aro	und the facilit	v and along	the adjacent	farm fields				1	Date Equ		ea:	Oakton		pH 7.0:	7.00	pH 4.0	4.01	Slope	: NA
		r in purge v		, <u> </u>	, and dojuderit					1		nd. Meter:		Oakton			Standard:		Reading		
										1	Temperat	ure:		1.1							
Dup-01 = F		WIDNE B	efuse Hideaw	ov Landfill					FNVI	SON's	MENTAL	Client:	WDNR					Page:	4	of	6
Facility No			14, Middleton							AMPL		Project:	AADIAK	RHL - 05/0	8 Event			r age.			`
ESC Perso		JM. SF	· -, Middleton	, ,,,,	<u></u>						ATION	Prepared	bv:	SF.	<u> </u>	Date:	11/20/	2008			
		::-,									-5033	Checked		Ti		Date:	11/20/				

CP263/ESC/Forms/Field Form.xls

					ENVI	RONME	NTAL SAI				VEMBER		MONITO	RING FIEL	DFORM			.,			
				Purging	Phase										Sampl	ing Phas	e				
Well ID	Date (2008)	Time (24hrs.)	Top of Well Elevation (ft.MSL)	Depth to Water (ft.)	Groundwater Elevation (ft.MSL)	Total Depth (ft.)	Height of Water Col. (ft.)	Req. Gal. to Purge (4 vol.)	Amount Purged (gal.)		Date (2008)	Time (24hrs.)	pH (s.u.)	Spec. Cond. (25C)	Temp. (deg.C)	Color before Filter	Color after Filter	Odor	Turb before Filter	Turb after Filter	Number of Filters Used
P-24E	11/17	•	927.39	0.55	926.84							1				-	-	-			
P-25BR	11/17	1300	943.27	20.60	922.67	140.3	119.7	78.2	78.0		11/17	1520	7.48	522	10.0	clear		none	none	-	
P-25D	11/17	1300	943.86	21.48	922.38	96.3	74.8	48.9	49.0		11/17	1515	6.78	842	9.7	clear		none	none		
P-25S	11/17		943.14	17.51	925.63							-					-				
P-33D	11/17		928.50	1.17	927.33				-												
P-1D	11/17		926.67	0.10	926.57				-							<u></u>				_	
P-1S	11/17		924.39	2.01	922.38																
P-3S	11/17		932.79	6.00	926.79																
P-4S	11/17		929.89	2.85	927.04																
P-8BR	11/17		929.52	2.77	926.75																
P-33S	11/17		928.55	3.56	924.99																
								ļ <u>-</u>]			<u> </u>	ļ						ļ	
			<u> </u>	<u></u>		<u> </u>	<u> </u>				WEATHE	<u> </u>)A((F 45	<u></u>	Direction:	NW		Toma	30
			per foot to g 0.163 gal.			4" well	0.653 gal.				Date:	11/17/200	Wind Sp 8		5-15 mph Cloudy flurri	es	Direction:	INVV		Temp.:	30
NOTES:	J.VOL Gai.	_ ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	s., so gai.	- 11011.1	nor gun		gai.			1	Date Equ	ipment Us									
			und the facilit	y and along	the adjacent	farm field	s.			1	pH Meter			Oakton		pH 7.0:		pH 4.0:		Slope	: NA
P-25BR ha	s broken t	oladder								1	Spec. Co Temperat	nd. Meter: ure:		Oakton 2.7			Standard:	1413	Reading	: 1407	
F		WIDNID	-fran I II-la	and and Em					ENVIE	I ON's	MENTAL	Client:	WDNR		<u></u>		<u> </u>	Page:	5	of	6
Facility Na			efuse Hideaw 14, Middleton,							AMPL		Project:	WUNK	RHL - 05/0	8 Event			raye.		<u> </u>	
ESC Perso		JM, SF	i -, ivilouicion,	, ••1							ATION	Prepared	by:	SF		Date:	11/20/	2008			
									414	-427	-5033	Checked		TI		Date:	11/20/	/2008			

						ENVIRO	NMENTAL	. SAMPLIN			TION GRO NOVEME		TER MONITO	RING FIELD FO	RM .						
				Purgin	g Phase					7					Sampling Ph	ase			•		
Well ID	Date (2008)	Time (24hrs.)	Top of Well Elevation (ft.MSL)	Depth to Water (ft.)	Groundwater Elevation (ft.MSL)	Total Depth (ft.)	Height of Water Col. (ft.)	Req. Gal. to Purge (4 vol.)	Amount Purged (min.)		Date (2008)	Time (24hra.)	pH (s.u.)	Spec. Cond. (25C)	Temp. (deg.C)	Color before Filter	Color after Filter	Odor	Turb before Filter	Turb after Filter	Number of Filters Used
PW-Sather	11/17	1255	-	-			-		15		11/17	1310	7.49	761	9.3	clear	-	none.	none	_	_
PW-Notes	11/17	1125	-	-	-				15		11/17	1140	6.25	797	9.3	clear		none	none		-
PW- Stoppleworth	11/18	1550	-	-	-				15		11/18	1605	7.85	790	8.2	clear		none	none	_	
PW-Matush	11/17	1325					-		15		11/17	1340	7.33	805	9.4	clear		none	none	-	
PW- Sommers	11/17	1240		_		_		-	15	,	11/17	1255	7.36	649	9.8	clear		none	none		
PW-Durand	11/17	1330	-				-		15		11/17	1345	7.14	1108	9.4	clear	_	none	none	_	_
PW-Wagner	11/17	1200	-				-		15		11/17	1215	7.24	832	9.5	clear	-	none	none	_	_
PW-Webar	11/17	1230				-	-	-	15		11/17	1245	7.81	697	9.5	clear	-	none	none	-	_
PW-Rounds	11/17	1415	_		-			<u></u>	15	ļ	11/17	1430	7.46	696	10.2	clear	-	none	none	-	-
1.5" well :			per foot to g).163 gal.	et one we 3" well : (4" well : (0.653 gal.	· · · · · · · · · · · · · · · · · · ·				11/17/2008		Overview:	5-15 mph Cloudy flurries	3	Direction	: NW		Temp,:	30
NOTES:							-				Date EquipH Meter: Spec. Con Temperat	nd. Meter:		Oakton Oakton 2.7		pH 7.0	7.00 Standard:	pH 4.0: 1413	4.01 Reading	Slope : 1407	: NA
Facility Na Facility Ad			efuse Hideaw						ENVIRO SAN			Client: Project:	WDNR	RHL - 05/08 Eve	unt			Page:	6	of	6
ESC Perso		SF, TI	14, Middleton	, 401					CORP.	OR/	NOITA	Prepared Checked		SF TI		Date:	11/20 11/20				

CT LABORATORIES



1230 Lange Court • Baraboo, WI 53913 • 608-356-2760 · www.ctlaboratories.com

CT Laboratories

1230 Lange Court

Pat Letterer

delivering more than data from your environmental analyses

Northern Lakes Service

400 N Lake Avenue

Crandon, WI 54520

SUBLAB

Upon Receipt of Samples, please verify that samples were received in acceptable condition then sign this form and fax to (608)356-2766 or email to the project manager

Return Invoice and Results to:

					o VVI 53913 er@ctlaboratories.c	om
PURCHASE O	RDER #70358	NLS	The PO# mus	t appear on all invoice and reports	s!	
Date Due:	12/05/08		RUSH TURNA	AROUND NEEDED? Y or N	(Circle One)	
Report results	as EDD? N	(Circle one and indicate)	Type: Data Deliverat	ole Package LEVEL:	-	Anl
	GEMS	S037	04		11-20	ANL 208
CTLabs ID#	Sample Date/Time	Matrix	Sample Description	Analyses / Meth		Cost
629721	11/18/2008 1605	DRINKING WATER	PW-STOPPLEWORTH	524 VOC	EPA 524.2	
Relinquished b	y. L Wert			Date/Time: 11/20/0 8	1102	· · · · · · · · · · · · · · · · · · ·
Received by:	Juli B	Main		Date/Time: 11 21/08	1/30	
COMMENTS:						

REPORT ALL SOLIDS ON A DRY WEIGHT BASIS UNLESS OTHERWISE INDICATED

ENVIRONMENTAL SAMPLING CORPORATION

Dedicated to Environmental Monitoring, Science & Technology

July 23, 2009

Mr. Harlan Kuehling, P.G. Wisconsin Department of Natural Resources 3911 Fish Hatchery Road Fitchburg, WI 53711



Re:

Refuse Hideaway Landfill - Middleton, WI (License #01953)

May 2009 Laboratory Analytical Results

Dear Mr. Kuehling:

Enclosed please find the data file, exceedance summary, and data certification page for the groundwater and private well monitoring conducted at the Refuse Hideaway Landfill (RHL) in May 2009. As requested, an electronic copy of the laboratory analytical data is included on the enclosed CD.

In accordance with the Scope of Work for Groundwater Sampling at RHL, revised March 2007, Environmental Sampling Corporation (ESC) staff was on site May 26-28, 2009 to collect samples from 45 groundwater monitoring wells and eight private wells. ESC staff also collected groundwater elevation measurements from an additional 16 groundwater monitoring wells. The groundwater and drinking water samples collected were packed on ice and shipped to CT Laboratories (WI cert. #157066030). In accordance with ESC's QA/QC procedures, trip blanks, duplicate samples, and a field blank were included with the shipments.

NR140 Exceedances

Laboratory analytical results were compared to the WDNR Ch. NR140 Preventive Action Limits (PAL) and Enforcement Standards (ES). Twenty-seven of the 49 groundwater monitoring wells had one or more VOC concentration detected above NR140 standards in the samples collected during the May 2008 event. Of these 27 wells, 16 groundwater well samples had one or more VOC concentrations detected in excess of the ES. NR140 exceedances are listed in the attached exceedance summary table and are discussed below.

 Benzene was detected in excess of the PAL in the samples collected from P-8S, P-9D, P-16D, P-17S, P-21D. These wells are located immediately surrounding the facility and are in close proximity to the limits of waste. The benzene detections are within the range of historic data.

Main Office: P.O. Box 12 • Muskego, WI 53150-0012 • (414) 427-5033 • FAX (414) 427-5034

- Cis-1,2-dichloroethene was detected in excess of the PAL in the samples collected from P-8S, P-17S, and P-21D. These wells are located in close proximity to the limits of waste. The concentrations of cis-1,2-dichloroethane in the samples collected from P-8S and P-17S are increased from those reported during recent events, but are within the range of historic data. The concentration of cis-1,2-dichloroethene in the samples collected from P-21D is similar to historic data.
- The VOC 1,2-dichloropropane was detected in excess of the PAL in the samples collected from P-9D and P-17S. These wells are located in close proximity to the limits of waste. The concentration in the sample collected from P-9D is are similar to recent analytical data. The concentration of 1,2-dichloropropane in the samples collected from P-17S have been decreasing over time.
- Concentrations of tetrachloroethene in excess of the PAL were detected in samples collected from nine monitoring wells in May 2009 (P-8D, P-17S, P-22D, P-22S, P-26S, P-25BR, P-26S, P-28S, and P-40I). Concentrations of tetrachloroethene in excess of the ES were detected in the samples collected from an additional six monitoring wells (P-18S, P-23S, P-27S, P-27D, P-31IA, and P-31IB). Detections of tetrachloroethene are widespread at the facility and are similar to or reduced from historic data. Groundwater samples with the highest concentrations of tetrachloroethene (i.e. P27D/S and P-18S) are closest in proximity to the closed, unlined facility.
- Tetrahydrofuran was detected in excess of the PAL in the sample collected from P-16D, and in excess of the ES in the samples collected from P-9D and P-21D. Concentrations of tetrahydrofuran in these downgradient wells are within the range of historic data.
- Trichloroethene concentrations exceeded the PAL in the samples collected from 15 groundwater monitoring wells (P-8S, P-9S, P-9D, P-16D, P-18S, P-21BR, P-22S, P-22D, P-22E, P-25D, P-26S, P-27S, P-31IA, P-31IB, and P-40I) and exceeded the ES in the sample collected from P-17S and P-27D. The trichloroethene concentrations are highest in the wells located around the facility (i.e. P-17S and P-27D). Concentrations of trichloroethene in the samples collected from P-9S and P-21BR located immediately surrounding the facility were increased from recent analytical data. The remaining concentrations are similar to or reduced from recent analytical data and many have displayed decreasing trends over time.
- Concentrations of vinyl chloride were detected in excess of the NR140 ES during the May 2009 event in the samples collected from groundwater monitoring wells P-17S, P-21D, P-24D, and P-24E. The vinyl chloride concentrations are related to landfill gas migration from the closed, unlined facility. Vinyl chloride concentrations in the samples collected from P-21D, P-24D, and P-17S are within the range of historic data. The vinyl chloride concentrations in the samples collected from P-24E have been decreasing over time. Gas wells along the perimeter and interior of the landfill should be adjusted to increase the flow (vacuum) applied to the gas wells to minimize landfill gas migration.

• Two of the eight private wells sampled for VOCs (PW-Noles and PW-Stoppleworth) had concentrations of tetrachloroethene and trichloroethene detected in excess of NR140 standards. The concentrations of tetrachloroethene in the sample collected from PW-Noles also exceeded the Maximum Contaminant Level (MCL) established by the US EPA for drinking water. The tetrachloroethene and trichloroethene concentrations in the PW-Noles and PW-Stoppleworth samples were similar to historic data. Additional low-level VOCs detected at these wells were consistent with historic data and were below NR140 standards and EPA MCLs.

Additional Information

Several VOCs were detected in excess of NR140 standards, but were between the laboratory limit of detection (LOD) and limit of quantitation (LOQ). These concentrations between the LOD and LOQ are not considered exceedances in accordance with NR140.14 and have not been included in the attached exceedance summary. These VOCs above NR140 standards, but below the laboratory LOQ were detected at the following locations: chloromethane (P-16S/D, P-17S, P-18S, P-21S/D/BR, P-23D, P-24D, P-26D, P-27S, P-28S, P-30D,P-32D, P-40I, P-41D, PW-Bonk, PW-Bula, PW-Noles, PW-Sather, PW-Summer, PW-Tantrow/Thompson, and PW-Wheat/Krueger); 1,2-dichloropropane (P-16D); tetrachloroethene (P-8S, P-9S, P-22E, P-25D, P-23D, P-29S, and P-40D); tetrahydrofuran (P-8S); trichloroethene (P-8BR); and vinyl chloride (P-8S, P-9D, P-16D, P-25D, P-26S/D). The chloromethane concentrations detected in the samples listed above are not consistent with historic data and may be attributed to contaminated sample glassware or preservative. Chloromethane was also detected at a concentration below the LOQ in the sample collected from the QA/QC field blank (FB-01) sample. The remaining low-level VOCs detected are similar to data collected over the period of record.

Low-level VOCs detected at concentrations less than the NR140 PAL were not discussed above, but are included on the electronic data file submitted with this report. Laboratory analytical data for all of the groundwater and private wells sampled during the May 2009 event are also included on the enclosed CD.

The following ten groundwater monitoring wells did not contain VOCs at or above the LOD during the May 2009 event: P-25S, P-30I, P-31D, P-31S, P-32D, P-33D, P-34D, P-43D, P-43I, and P-43S. Aside from the chloromethane detections likely related to sample bottle/preservative contamination, no VOCs were detected from the following six drinking water wells: PW-Bonk, PW-Bula, PW-Sather, PW-Summers, PW-Wheat/Krueger, and PW-Tantrow/Thompson.

The next semi-annual monitoring event is scheduled for November 2009. At this time there are no proposed changes to the monitoring program. ESC prepared a proposal to install identification tag and to replace the locks at the facility. Pending approval of this proposal, the repairs and improvements will be conducted in conjunction with the November 2009 event.

Please contact Frank Perugini or me at 414-427-5033 if you have any questions regarding this submittal.

Sincerely,

Environmental Sampling Corporation

Tracy Ipaved

Sr. Environmental Specialist

Enclosures

cc: Mr. Frank Perugini - ESC

REFUSE HIDEAWAY LANDFILL WDNR License #01953 Exceedance Summary - May 2009

Well ID (WDNR ID)	Date	P-Code	Parameter	PAL / ES (ug/L)	Result (ug/L)	Exceedance
P-21D (113)	05/27/09	34030	Benzene	0.5 / 5	1.2	PAL
		39175	Vinyl Chloride	0.02 / 0.2	9.3	ES
		77093	cis-1,2-Dichloroethene	7 / 70	33	PAL
		81607	Tetrahydrofuran	10 / 50	52	ES
P-8D (114)	05/27/09	34475	Tetrachloroethene	0.5 / 5	0.96	PAL
P-24D (115)	05/27/09	39175	Vinyl Chloride	0.02 / 0.2	6.6	ES
P-24E (116)	05/27/09	39175	Vinyl Chloride	0.02 / 0.2	2.6	ES
P-25D (118)	05/27/09	39180	Trichloroethene	0.5 / 5	0.87	PAL
P-25BR (119)	05/27/09	34475	Tetrachloroethene	0.5 / 5	2.2	PAL
P-27S (121)	05/26/09	34475	Tetrachloroethene	0.5 / 5	6.7	ES
		39180	Trichloroethene	0.5 / 5	0.84	PAL
P-27D (122)	05/26/09	34475	Tetrachloroethene	0.5 / 5	46	ES
		39180	Trichloroethene	0.5 / 5	8.7	ES
P-28S (123)	05/27/09	34475	Tetrachloroethene	0.5 / 5	4.8	PAL
P-8S (125)	05/27/09	34030	Benzene	0.5 / 5	0.77	PAL
		39180	Trichloroethene	0.5 / 5	0.77	PAL
		77093	cis-1,2-Dichloroethene	7 / 70	15	PAL
P-16D (127)	05/27/09	34030	Benzene	0.5 / 5	3.4	PAL
		39180	Trichloroethene	0.5 / 5	0.74	PAL
		81607	Tetrahydrofuran	10 / 50	46	PAL
P-17S (128)	05/28/09	34030	Benzene	0.5 / 5	0.79	PAL
		34475	Tetrachloroethene	0.5 / 5	4.5	PAL
		34541	1,2-Dichloropropane	0.5 / 5	1.2	PAL
		39175	Vinyl Chloride	0.02 / 0.2	6.6	ES
		39180	Trichloroethene	0.5 / 5	10	ES
		77093	cis-1,2-Dichloroethene	7 / 70	81	ES
P-18S (129)	05/28/09	34475	Tetrachloroethene	0.5 / 5	10	ES
		39180	Trichloroethene	0.5 / 5	1.4	PAL
P-21BR (134)	05/27/09	34475	Trichloroethene	0.5 / 5	0.71	PAL
P-22S (135)	05/27/09	34475	Tetrachloroethene	0.5 / 5	2.1	PAL
		39180	Trichloroethene	0.5 / 5	0.72	PAL
P-22D (136)	05/27/09	34475	Tetrachloroethene	0.5 / 5	2.8	PAL
		39180	Trichloroethene	0.5 / 5	0.66	PAL
P-23S (137)	05/28/09	34475	Tetrachloroethene	0.5 / 5	5.6	ES
P-9S (139)	05/27/09	39180	Trichloroethene	_0.5 / 5	0.65	PAL
P-9D (140)	05/27/09	34030	Benzene	0.5 / 5	3.2	PAL
		34541	1,2-Dichloropropane	0.5 / 5	1.7	PAL
		39180	Trichloroethene	0.5 / 5	0.97	PAL
		81607	Tetrahydrofuran	10 / 50	56	ES

REFUSE HIDEAWAY LANDFILL WDNR License #01953 Exceedance Summary - May 2009

Well ID (WDNR ID)	Date	P-Code	Parameter	PAL / ES (ug/L)	Result (ug/L)	Exceedance
P-26S (141)	05/26/09	34475	Tetrachloroethene	0.5 / 5	1.5	PAL
		39180	Trichloroethene	0.5 / 5	0.96	PAL
P-31IA (146)	05/26/09	34475	Tetrachloroethene	0.5 / 5	5.9	ES
		39180	Trichloroethene	0.5 / 5	1.9	PAL
P-31IB (147)	05/26/09	34475	Tetrachloroethene	0.5 / 5	5.7	ES
		39180	Trichloroethene	0.5 / 5	1.9	PAL
P-40l (162)	05/26/09	. 34475	Tetrachloroethene	0.5 / 5	4.9	PAL
		39180	Trichloroethene	0.5 / 5	1.3	PAL
P-20SR (167)	05/28/09	34475	Tetrachloroethene	0.5 / 5	2.4	PAL
P-22E (174)	05/27/09	39180	Trichloroethene	0.5 / 5	0.61	PAL
Stoppleworth	05/28/09	34475	Tetrachloroethene	0.5 / 5	3.5	PAL
(311)		39180	Trichloroethene	0.5 / 5	0.74	PAL
Noles	05/28/09	34475	Tetrachloroethene	0.5 / 5	5.6	ES
(312)		39180	Trichloroethene	0.5 / 5	2.2	PAL

Notes:

ug/L = micrograms per liter

ES = NR 140 Enforcement Standard

PAL = NR140 Preventive Action Limit

The VOC concentrations detected above NR140 standards but below the laboratory limit of quantitation are not considered exceedances under NR140.14 and have not been included in the exceedance summary. The following VOCs were detected in the samples collected from the wells listed below at concentrations that were greater than NR140 standards, but less than the respective LOQs.

Chloromethane: P-16S/D, P-17S, P-18S, P-21S/D/BR, P-23D, P-24D, P-26D, P-27S, P-28S, P-30D, P-32D, P-40I, P-41D, PW-Noles, PW-Sather, PW-Bonk, PW-Bula, PW-Wheat/Krueger, PW-Tantrow/Thompson, PW-Summers

1,2-Dichloropropane: P-16D

Tetrachloroethene: P-8S, P-9S, P-22E, P-23D, P-25D, P-29S, P-40D

Tetrahydrofuran: P-8S
Trichloroethene: P-8BR

Vinyl Chloride: P-8S, P-9D, P-16D, P-25D, P-26S/D

State of Wisconsin Department of Natural Resources

Environmental Monitoring Data Certification

Form 4400-231(R 1/04)

Notice: Personally identifiable information collected will be used for program administration and enforcement purposes. The Department may also provide this information to requesters as required under Wisconsin's Open Records law, ss. 19.31 to 19.39, Wis. Stats. When submitting monitoring data, the owner or operator of the facility, practice or activity is required to notify the Department in writing that a groundwater standard or an explosive gas level has been attained or exceeded, as specified in ss. NR 140.24(1)(a); NR 140.26(1)(a); NR 507.30NR 635.14(9)(a); NR 635.18(20) and NR 507.30, Wis. Adm. Code. Failure to report may result in fines, forfeitures or other penalties resulting from enforcement under ss. 289.97, 291.97 or 299.95, Wis. Stats.

Instructions:

- Prepare one form for each license or monitoring ID.
- Please type or print legibly.
- Attach a notification of any values that attain or exceed groundwater standards (that is, preventive action limits, enforcement standards or alternative concentration limits). The notification must include a preliminary analysis of the cause and significance of each value.
- Attach a notification of any gas values that attain or exceed explosive gas levels.
- Send the original signed form, any notification, and Electronic Data Deliverable [EDD] to: GEMS Data Submittal Contact WA/3

GEMS Data Submittal Contact - WA/3 Bureau of Waste Management Wisconsin Department of Natural Resources 101 South Webster Street Madison WI 53707-7921

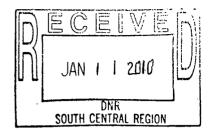
Monitoring Data Submittal Informa	ation						
Name of entity submitting data (laboratory, co	onsultant, facility owner):						
Environmental Sampling Corp	oration						
Contact for questions about data formatting. Name: Tracy Ipavec		, telephone number a hone: (414) 42					
E-mail: escstaff@yahoo.com	100						
Facility name:	License # / Monitoring ID	Facility ID [FID]	Actual sampling dates (e.g., July 2-6, 2003)				
Refuse Hideaway Landfill	01953	113112010	May 26-28, 2009				
The enclosed results are for sampling require May 2009	d in the month(s) of: (e.g., Ju	ne 2003)					
Type of Data Submitted (Check all that apply)							
	Groundwater monitoring data from monitoring wells Groundwater monitoring data from private water supply wells Leachate monitoring data Other (specify)						
Notification attached?							
No. No groundwater standards or explos	sive gas limits were exceeded						
Yes, a notification of values exceeding a groundwater standard and preliminary a			t of monitoring points, dates, sample values, tration.				
Yes, a notification of values exceeding a explosive gas limits.	n explosive gas limit is attache	ed. It includes the mo	onitoring points, dates, sample values and				
Certification							
To the best of my knowledge, the info are true and correct. Furthermore, I h groundwater standards or explosive g concentrations exceeding groundwate Tracy Ipavec	ave attached complete n gas levels, and a prelimin er standards.	otification of any a ary analysis of the	sampling values meeting or exceeding				
Facility Representative Name (Print)	Title 07	23/09	(Area Code) Telephone No.				
Signature	Date						
FOR DNR USE ONLY. Check ac	ction taken, and record date	and your initials. D	escribe on back side if necessary.				
Found uploading problems	on	Initials					
☐ Notified contact of problem	s on	Uploaded data su	ccessfully on				
EDD format(s): Diskette	CD (initial submittal and follo	ow-up) 🔲 E-mail (f	follow-up only) Other				

ENVIRONMENTAL SAMPLING CORPORATION

Dedicated to Environmental Monitoring, Science & Technology

December 31, 2009

Mr. Harlan Kuehling, P.G. Wisconsin Department of Natural Resources 3911 Fish Hatchery Road Fitchburg, WI 53711



Re: Refuse Hideaway Landfill – Middleton, WI (License #01953) November 2009 Laboratory Analytical Results

Dear Mr. Kuehling:

Enclosed please find the data file, exceedance summary, and data certification page for the groundwater and private well monitoring conducted at the Refuse Hideaway Landfill (RHL) in November 2009. As requested, an electronic copy of the laboratory analytical data is included on the enclosed CD.

In accordance with the Scope of Work for Groundwater Sampling at RHL, revised March 2007, Environmental Sampling Corporation (ESC) staff was on site November 9-10, 2009 to collect samples from 23 groundwater monitoring wells and nine private wells. ESC staff also collected groundwater elevation measurements from an additional 38 groundwater monitoring wells. The groundwater and drinking water samples collected were packed on ice and shipped to CT Laboratories (WI cert. #157066030) for analysis. In accordance with ESC's QA/QC procedures a trip blank, duplicate sample (collected at P-30D), and a field blank were included with the shipment.

NR140 Exceedances

Laboratory analytical results were compared to the WDNR Ch. NR140 Preventive Action Limits (PAL) and Enforcement Standards (ES). NR140 exceedances are listed in the attached exceedance summary table and are discussed below.

- Cis-1,2-dichloroethene was detected in excess of the PAL in the sample collected from P-17S in November 2009. This well is located in close proximity to the limits of waste. The concentration of cis-1,2-dichloroethane is similar to analytical data from the past ten years, but is greatly reduced from the concentrations reported in the samples collected from P-17S in 1992. This analyte was not detected at concentrations above NR140 standards at any of the other wells sampled in November 2009.
- The VOC 1,2-dichloropropane was detected in excess of the PAL in the sample collected from P-17S in November 2009. As indicated previously, this well is located in close proximity to the limits of waste. The concentrations of 1,2-dichloropropane in the samples collected from P-17S have been decreasing over time. This analyte was not detected at concentrations above NR140 standards at any of the other wells sampled in November 2009.

Main Office: P.O. Box 12 • Muskego, WI 53150-0012 • (414) 427-5033 • FAX (414) 427-5034

il

- Dichloromethane (methylene chloride) was detected at a concentration greater than the PAL in the sample collected from P-27D. Dichloromethane has not previously been detected in samples collected from this well. Dichloromethane is a common laboratory solvent and may be present in this sample as a result of laboratory contamination.
- Concentrations of vinyl chloride were detected in excess of the NR140 ES during the
 November 2009 event in the samples collected from groundwater monitoring wells P17S, and P-26S. The vinyl chloride concentrations are related to landfill gas migration
 from the closed, unlined facility. Vinyl chloride concentrations in the samples collected in
 November 2009 are similar to or reduced from recent data and display a decreasing
 trend over time. Gas wells along the perimeter and interior of the landfill should be
 adjusted to increase the flow (vacuum) applied to the gas wells to minimize landfill gas
 migration.
- Concentrations of tetrachloroethene in excess of the PAL were detected in samples collected from eight monitoring wells (P-17S, P-20SR, P-22D, P-22S, P-23S, P-25BR, P-27D, and P-40I) and two private wells (PW-Noles and PW-Stoppleworth) in November 2009. Concentrations of tetrachloroethene in excess of the ES were detected in the samples collected from an additional five monitoring wells (P-18S, P-26S, P-27S, P-31IA, and P-31IB). Detections of tetrachloroethene are widespread at the facility and in most cases are similar to or reduced from historic data. Groundwater samples with the highest concentrations of tetrachloroethene (i.e. P-18S and P-26S) were collected from wells that are in close proximity to the closed, unlined facility. The tetrachloroethene concentrations detected in the private well samples were consistent with historic data.
- Trichloroethene concentrations exceeded the PAL in the samples collected from 11 groundwater monitoring wells (P-18S, P-22D, P-22E, P-22S, P-25D, P-26S, P-27D, P-27S, P-31IA, P-31IB, and P-40I) and two private wells ((PW-Noles and PW-Stoppleworth) and exceeded the ES in the sample collected from P-17S. The trichloroethene concentrations are highest in the wells located around the facility (i.e. P-17S). Concentrations detected in the groundwater and private well samples are similar to or reduced from recent analytical data and many have displayed decreasing trends over time.
- Chloromethane was detected in excess of the NR140 PAL in the sample collected from groundwater monitoring well P-30D and four private wells (PW-Weber, PW-Wagner, PW-Stoppleworth, and PW-Noles). Chloromethane was also detected in the laboratory method blank, the trip blank, and the field blank; the reported concentrations were flagged as such on the laboratory report. Chloromethane concentrations greater than the LOQ are not consistent with historic data collected from these locations; the chloromethane concentrations may be attributed to contaminated sample glassware or preservative and do not likely represent the actual groundwater/drinking water quality.

Additional Information

Several VOCs were detected in excess of NR140 standards, but were between the laboratory limit of detection (LOD) and limit of quantitation (LOQ). These concentrations between the LOD and LOQ are not considered exceedances in accordance with NR140.14 and have not been

included in the attached exceedance summary. These VOCs above NR140 standards, but below the laboratory LOQ were detected at the following locations: chloromethane (P-17S, P-18S, P-20SR, P-22D/E/S, P-23D, P-25D, P-25BR, P-26S, P-27S, P-30I, P-31D/IA/IB, P-40D/I, P-43I/S, PW-Sather, PW-Sommers, PW-Durand, PW-Matush, PW-Rounds); tetrachloroethene (P-23D/E and P-25D); and vinyl chloride (P-25D). Concentrations of tetrachloroethene and vinyl chloride are similar to data collected over the period of record. Concentrations of chloromethane were also detected in the laboratory method blank, trip blank, and the field blank and were flagged on the laboratory analytical report. The concentrations of chloromethane may be attributed to contaminated sample glassware or preservative.

Low-level VOCs detected at concentrations that were less than the NR140 PAL were not discussed above, but are included on the electronic data file submitted with this report. These low-level VOCs were detected in the groundwater samples and two of the drinking water samples (PW-Stoppleworth and PW-Noles) Laboratory analytical data for all of the groundwater and private wells sampled during the November 2009 event are also included on the enclosed CD.

The next semi-annual monitoring event is scheduled for May 2010. At this time there are no proposed changes to the monitoring program. ESC previously submitted a proposal to install identification tags and replace the locks at the facility. Pending approval of this proposal, the repairs and improvements will be conducted in conjunction with the May 2010 event.

Please contact Frank Perugini or me at 414-427-5033 if you have any questions regarding this submittal.

Sincerely,

Environmental Sampling Corporation

Tracy Ipave¢

Sr. Environmental Specialist

Enclosures

cc: Mr. Frank Perugini - ESC

REFUSE HIDEAWAY LANDFILL WDNR License #01953 Exceedance Summary - November 2009

Well ID (WDNR ID)	Date	P-Code	Parameter	PAL / ES (ug/L)	Result (ug/L)	Exceedance
P-25D (118)	11/09/09	39180	Trichloroethene	0.5 / 5	0.69	PAL
P-25BR (119)	11/09/09	34475	Tetrachloroethene	0.5 / 5	1.90	PAL
P-27S (121)	11/10/09	34475	Tetrachloroethene	0.5 / 5	5.90	ES
		39180	Trichloroethene	0.5 / 5	1.00	PAL
P-27D (122)	11/10/09	34423	Dichloromethane	0.5 / 5	0.50	PAL
		34475	Tetrachloroethene	0.5 / 5	4.30	PAL
		39180	Trichloroethene	0.5 / 5	1.30	PAL
P-17S (128)	11/10/09	34475	Tetrachloroethene	0.5 / 5	3.00	PAL
		34541	1,2-Dichloropropane	0.5 / 5	0.89	PAL
		39175	Vinyl Chloride	0.02 / 0.2	5.80	ES
		39180	Trichloroethene	0.5 / 5	6.70	ES
		77093	cis-1,2-Dichloroethene	<u>7 /</u> 70	64.0	PAL
P-18S (129)	11/10/09	34475	Tetrachloroethene	0.5 / 5	12.0	ES
		39180	Trichloroethene	0.5 / 5	1.80	PAL
P-22S (135)	11/09/09	34475	Tetrachloroethene	0.5 / 5	3.10	PAL
		39180	Trichloroethene	0.5 / 5	1.20	PAL
P-22D (136)	11/09/09	34475	Tetrachloroethene	0.5 / 5	2.50	PAL
		. 39180	Trichloroethene	0.5 / 5	0.74	PAL
P-23S (137)	11/10/09	34475	Tetrachloroethene	0.5 / 5	4.80	PAL
P-26S (141)	11/10/09	34475	Tetrachloroethene	0.5 / 5	15.0	ES
		39175	Vinyl Chloride	0.02 / 0.2	0.60	ES
	_	39180	Trichloroethene	0.5 / 5	2.20	PAL
P-31IA (146)	11/09/09	34475	Tetrachloroethene	0.5 / 5	5.90	ES
		39180	Trichloroethene	0.5 / 5	2.10	PAL
P-31IB (147)	11/09/09	34475	Tetrachloroethene	0.5 / 5	5.90	ES
·	·	39180	Trichloroethene	0.5 / 5	2.00	PAL
P-40I (162)	11/10/09	34475	Tetrachloroethene	0.5 / 5	4.80	PAL
		39180	Trichloroethene	0.5 / 5	1.20	PAL
P-20SR (167)	11/10/09	34475	Tetrachloroethene	0.5 / 5	2.10	PAL
P-30D (169) / DUP-01	11/10/09	34418	Chloromethane	0.3/3	1.5 B / 1.3 B	PAL
P-22E (174)	11/09/09	39180	Trichloroethene	0.5 / 5	0.74	PAL

REFUSE HIDEAWAY LANDFILL WDNR License #01953

Exceedance Summary - November 2009

Well ID (WDNR ID)	Date	P-Code	Parameter	PAL / ES (ug/L)	Result (ug/L)	Exceedance
Weber (306)	11/09/09	34418	Chloromethane	0.3 / 3	0.89 B	PAL
Wagner (309)	11/09/09	34418	Chloromethane	0.3 / 3	0.87 B	PAL
Stoppleworth	11/09/09	34418	Chloromethane	0.3 / 3	0.87 B	PAL
(311)	,	34475	Tetrachloroethene	0.5 / 5	3.30	PAL
		39180	Trichloroethene	0.5 / 5	0.58	PAL
Noles	11/09/09	34418	Chloromethane	0.3 / 3	0.89 B	PAL
(312)		34475	Tetrachloroethene	0.5 / 5	4.30	PAL
		39180	Trichloroethene	<u> </u>	1.80	PAL

Notes:

ug/L = micrograms per liter

B - Analyte was detected in the laboratory method blank, trip blank, and field blank.

ES = NR 140 Enforcement Standard

PAL = NR140 Preventive Action Limit

The VOC concentrations detected above NR140 standards but below the laboratory limit of quantitation are not considered exceedances under NR140.14 and have not been included in the exceedance summary. The following VOCs were detected in the samples collected from the wells listed below at concentrations that were greater than NR140 standards, but less than the respective LOQs.

Chloromethane: P-17S, P-18S, P-20SR, P-22D/E/S, P-23D, P-25D, P-25BR, P-26S, P-27S, P-30I, P-31D/IA/IB, P-40D/I, P-43I/S,

PW-Sather, PW-Sommers, PW-Durand, PW-Matush, PW-Rounds

Tetrachloroethene: P-22E, P-23D, P-25D

Vinyl Chloride: P-25D

State of Wisconsin

Environmental Monitoring Data Certification

Department of Natural Resources

Form 4400-231(R 1/04)

Notice: Personally identifiable information collected will be used for program administration and enforcement purposes. The Department may also provide this information to requesters as required under Wisconsin's Open Records law, ss. 19.31 to 19.39, Wis. Stats. When submitting monitoring data, the owner or operator of the facility, practice or activity is required to notify the Department in writing that a groundwater standard or an explosive gas level has been attained or exceeded, as specified in ss. NR 140.24(1)(a); NR 140.26(1)(a); NR 507.30NR 635.14(9)(a); NR 635.18(20) and NR 507.30, Wis. Adm. Code. Failure to report may result in fines, forfeitures or other penalties resulting from enforcement under ss. 289.97, 291.97 or 299.95, Wis. Stats.

Instructions:

- Prepare one form for each license or monitoring ID.
- Please type or print legibly.
- Attach a notification of any values that attain or exceed groundwater standards (that is, preventive action limits, enforcement standards or alternative concentration limits). The notification must include a preliminary analysis of the cause and significance of each value.
- Attach a notification of any gas values that attain or exceed explosive gas levels.
- Send the original signed form, any notification, and Electronic Data Deliverable [EDD] to: GEMS Data Submittal Contact WA/3

GEMS Data Submittal Contact - WA/3 Bureau of Waste Management Wisconsin Department of Natural Resources 101 South Webster Street Madison WI 53707-7921

Monitoring Data Submittal Informa	tion			
Name of entity submitting data (laboratory, cor	nsultant, facility owner):			
Environmental Sampling Corpo	oration			
Contact for questions about data formatting. I Name: Tracy Ipavec		telephone number and one: (414) 427-	*** ** ********** ** ****	
E-mail: escstaff@yahoo.com				
Facility name:	License # / Monitoring ID	Facility ID [FID]	Actual sampling dates (e.g	j., July 2-6, 2003)
WDNR Refuse Hideaway Landfill	01953	113112010	November 9-10,	2009
The enclosed results are for sampling required	in the month(s) of: (e.g., June	e 2003)	V	
November 2009	en e			
Type of Data Submitted (Check all that apply) Groundwater monitoring data from monitoring data from private Leachate monitoring data		Gas monitoring day	ata	
No. No groundwater standards or explos Yes, a notification of values exceeding a groundwater standard and preliminary and Yes, a notification of values exceeding an explosive gas limits.	groundwater standard is attach alysis of the cause and signific	ance of any concentra	tion.	•
Certification				
To the best of my knowledge, the infor are true and correct. Furthermore, I ha groundwater standards or explosive ga concentrations exceeding groundwate Tracy Ipavec	eve attached complete no as levels, and a prelimina r standards.	tification of any sa	mpling values meetin eause and significanc	g or exceeding e of
Facility Representative Name (Print)	Title		(Area Code) T	elephone No.
Signature Pavec	/2/ Date	31/19		
FOR DNR USE ONLY. Check act	ion taken, and record date a	nd your initials. Des	cribe on back side if ned	essary.
Found uploading problems	the state of the s	Initials	· · · · · · · · · · · · · · · · · · ·	
☐ Notified contact of problems	and the second of the second	Uploaded data succe	essfully on $2/8/10$	VB
EDD format(s): Diskette C		· ·		

Kuehling, Harlan H - DNR

From:

Environmental Sampling Corp. [escstaff@vahoo.com]

Sent:

Wednesday, December 16, 2009 4:11 PM

To:

Kuehling, Harlan H - DNR

Cc:

Frank Perugini

Subject:

November 2009 private well monitoring results

Attachments: 76316 11.09 PWs.pdf

Hi Hank

Below is a summary of the November 2009 private well monitoring results for Refuse Hideaway Landfill. I will also be sending a groundwater report to summarize the monitoring event and will include a CD with the .pdf files of the laboratory analytical reports.

One VOC - Chloromethane:

PW-Weber

PW-Sommers *

PW-Sather *

PW-Matush *

PW-Durand *

PW-Wagner

PW-Rounds *

Chloromethane was also detected in the laboratory method blank and the laboratory trip blank. The low-level chloromethane concentrations detected in the samples collected from these private wells are likely due to sample bottle/preservative contamination and do not represent the actual drinking water quality at these locations. The * symbol above indicates concentrations that were reported between the LOD and LOQ. No other VOCs were detected in the samples collected from these wells.

Several VOCs:

PW-Noles:

Flagged value between LOD and LOQ: 1,1,-dichloroethane

Values > LOQ: cis-1,2-dichloroethene, chloromethane (detected in QA/QC samples), dichlorodifluoromethane, tetrachloroethene, trichloroethene

PW-Stoppleworth:

Flagged value between LOD and LOQ: chloromethane (detected in QA/QC samples), dichlorodifluoromethane,

trichloroethene

Values > LOQ: cis-1,2-dichloroethene, tetrachloroethene

Note that all VOC concentrations were below the EPA MCL and/or WDNR ES.

I have attached the VOC results for the private wells for your information. This data will also be included on the CD of laboratory analtyical reports that you will receive with the groundwater monitoring report. Please let me know if you have any questions or need any additional information.

Thank you, Tracy Ipavec

Environmental Sampling Corporation

W125 S9808 North Cape Road Muskego, WI 53150 (414)427-5033 www.environmentalsamplingcorp.com

WDNR / Refuse Hideaway Landfill Middleton, Wisconsin

Page 1 of 1

Task	Sampling Period / Date	Sample Type / Description
I	11/9/09 – 11/10/09	Groundwater Sampling
II	11/9/09	Residential Well Sampling
III	11/9/09	Groundwater Elevations

Project Status

- Groundwater Sampling: ESC staff was on site November 9-10, 2009 to sample the following groundwater monitoring wells: P-17S, P-18S, P-20SR, P-22D, P-22S, P-22E, P-23D, P-23S, P-25BR, P-25D, P-26S, P-27D, P-27S, P-30D, P-30I, P-31D, P-31IA, P-31IB, P-40D, P-40I, P-43S, P-43I and P-43D. Groundwater elevations were recorded and the wells were purged and sampled using submersible electric pumps, dedicated bladder pumps or bailers. One duplicate sample (DUP01= P-30D) was collected in accordance with ESC's QA/QC procedures. A field blank (FB-01) was collected near P-18S. Several laboratory trip blanks also accompanied the samples.
- II. <u>Residential Well Sampling:</u> ESC staff was on site November 9, 2009 to collect nine residential drinking water supply well samples (PW-Sather, PW-Matush, PW-Sommers, PW-Durand, PW-Wagner, PW-Weber, PW-Rounds, PW-Stoppleworth, & PW-Noles). One trip blank accompanied the samples in accordance with ESC's QA/QC procedures.
- III. <u>Groundwater Elevations:</u> ESC staff was on site November 9-10, 2009 to collect the groundwater elevations from the remaining 38 monitoring wells that were not required to be sampled during the November event. Results were recorded on ESC's Field Sheet.

Task Deviations and Reporting Turnaround

Test results will be available in approximately 30 days.

Field Observations

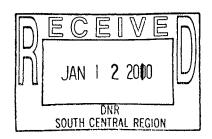
DUP-01 = P-30D

Proposed Additional Actions

- Replace broken bladders in groundwater monitoring wells P-22S, P-25BR, and P-31S prior to the May 2010 event.
- Order and install new locks and identification signs.

Other Observations

None.



P 0/2000	CTYATAY	or Crismony			D- a			<u> </u>	বু
Rev. 9/2009	CHAIN	OF CUSTODY			Pag	se/	0		1. C 100 - 1
Company: E			1230 Lange Court			Report T	`o: 💆	con	MONARY COM
Project Contact: Frank Perigini Telephone: 44447-5033	CTLABORATO	RIES #	608-356-2760) Fax 608-3 w.ctlaborato		Compa	ny:	6-54 6-54	t Freimark Høyahus kom
Telephone: 414-427-5033	Lab Use Oi	 นาง	Program:			Addres	s:W	855	5988 North cape Ad
Project Name: Refuse Hideawy LF	Place Header Stic	ker Here:		SDWA 1	VPDES	Invoice	ceys,		59888 North cape Rd 5350 Le Grugoni
Project #: 11/09			Solid Waste C	Other		EMAIL	:: <i>05</i> 0	15/21	Co Minocom
Lagation Middledon U.T.			PO#			Compa	ıny:		20012
Location: Middleton, WS Sampled By Soft Freimark						Addre	usk	ego	000 12 WIS360
Sampled By Self-Freimark			*Party	listed is respons	sible for payı				aboratories' terms and conditions
Client Special Instructions			ANALYSES R	EQUESTE	D			İ	Turnaround Time Normal RUSH*
Please use the attacked St.	eets for	1,3					S	SD	Date Needed:
Please use the attacked Si, analytica 1 request		82 82					Containers	MS/MSD	
		X I					onta	₩ Pg	Rush analysis requires prior CT Laboratories' approval
Matrix:		ilteréd?					##=	gnat	Surcharges: 24 hr 200%
GW - groundwater SW - surface water WW - waste S - soil/sediment SL - sludge A - air	ewater DW - drinking water M - misc/waste	Filteréd? Y/N					Total	Designated	2-3 days 100%
Collection Matrix Grab/ Same	als ID Description		Fill in Consess					$\overline{}$	4-9 days 50% CT Lab ID #
Late Time Comp	ole ID Description	A7 3	Fill in Spaces	with pottle	es per 1e	st	Lab use only		
11/9 1215 GW G P-2	OD;	N 3					3		
17	WE.	N 3					3		
	Xd2 '	N 3	- 	 	\rightarrow		3		
11/10. 0830 GW P-	130	N 3					3		
11/9 1540 GW P-	131	N 3		 			3		
11 1520 QW 1 1-	752			 	- - 	- 	3		
	770						2		
1 1945 GW P-	200	N 2					5		
11/10 0120 AM 1 1	-275	N 2							
11/0 1200 GW G FF	3-01.	N 3					3		
11/9 1620 GW G P-	25BR			 			3		
11/9 1610 GW G P-	25 D ·	N 3					3		
Relinquished By	Received By:			Date/Tim	e	\		Lab Use Only	
Still well							Ice F	Present Yes No	
Peccived by:	Date/Time	Received for Labora		Date/Time			Tem	perature	
								ler #	

* 44

Rev. 3/2006			C	hain o	f Cust	ody				*		Page	2	of <u>3</u>	
Company: Ex	OTTI 1							Baraboo						JE PERBUNI .	
Project Contact: Frank / CEUGM/	CTLabo	ora	tor.	1es	60			ax 608-		6	Comp				
Telephone: 4/4 4275033						www	ctlabor	ratories.	.com		Addr	ess: ,	PO B	0 × 12	
Project Name: KHL	Turnare			İ			Lab Use	e Only			City/	State	∕Zip:៷	WEED, W 53150	
Project Number: 11/09 event	Normal	KU	5H+			Plac	e Header	Sticker Ho	ere:	1				1	
Project Location: Maduson WI	Date Needed									1	Comr	3 10: 1	Esc	Penigini	
Sampled By: Jevery Mc Intyre	*Notify Lab prior	to send	ling in F	RUSH							Addr	occi	Po Po	N 12	
Regulatory Program:											Ciéir/	State	17in 1	Nucle 11 con	
UST _RCRA SDWA NPDES	24 hr 200% 2-3 day subject to chan					•				,	City/	Jiaic	/ Z.p. 1	Muskey, W/ 53/50	
Solid Waste Other	subject to chair	ige with	out nou	ice.							PO No	o.			
Client Special Instructions	· · · · · · · · · · · · · · · · · · ·	Filt?	VINI			·1				τ	1				
Se altached for anal request.	7 1 1	1.1161							ļ			"			
Se attached for anal	ytical											Containers		** " " " "	
veguest.	J	#										ıtai		* Preservation Code A=None B=HCL	
		111		1. 8260	i				ļ			Ö	ਬੂ	C=H2SO4 D=HNO3	
		We	. <u>;;</u>	1 - 1								of	vati	E=Encore F=Methanol	
Landfill License Number: #01953		WDNR Well ID	••Матіх:	+C(]			##	Preservation*	G=NaOH	
Collection Grab/ C		₩	1	12-45 (vacs								Total	P. L	O=Other	
Pate, Time Comp Sample I	D Description	Fill in Spaces with Bottles per Tes							Test		L		Lab ID#		
11/10/09 1320 G P-18S	•	16W 3										3	B		
11/10/09 0905 6 P-30D	٤		,	3								3			
11/10/09 0940 B P-30I				3								3	BB		
11 09/09 1255 G P-31D	· ·			3					1			3	B		
1320 G P-31 IA			 	3						1		3	B		
1340 G P-31 IP		ļ ———		3					 			3	B		
11/09/09 1240 G P-315	<u></u>	ļ			(f)				 	 	m	3	-3		
1, 1145 G P-40D	• .			3				<u> </u>			-62	3	B		
11/09/09 1130 G P-40 I	•	 		3	-					 		3	B	·	
11/10/09 1130 G P-20SE				3					 		<u> </u>	3	B		
	· · · · · · · · · · · · · · · · · · ·			3		<u> </u>			 	1		3	B		
11/10/09 1040 G P-23S		 	GW	3				<u> </u>	 	 	 	3	B		
11/10/09/1300 G P-175	•		GW	13	<u> </u>	 -			 	 	3 B				
Relinquished By: Date/Time	Relinquished By:		Date/	Time	٠,	1	·	l		1_,	' 			,	
Jacy mue 11/10/09:1700		•					ce Pres	ent	Yes	N	o			**Matrix	
Received by: Date Time	Date/Time Received for Laboratory by:						empera				_ '	2-201	A-Air S	SI-Sludge M-Misc Waste	
) Suite, mine		į ~ J .	Date/			C	ooler#					GW-Groundwater SW-Surface Water WW-Wastewater DW-Drinking Water			
					· · · · · · · · · · · · · · · · · · ·										

Rev. 3/2006			C	hain of	Custo	ody						Page		of 3_		
Company:	CTLab	O 14 O			1230	Lange			, WI 539					SE PERBUNI		
Project Contact: Frank (KUGM)	CTLab	ora	IOI.	les	60		ctlabor		356-2766 com		Comp					
Telephone: 4/4 4275033	Turnar	sund T	ime			******	.cuaboi	atorics.	COIII		City /	State /	17in	0×12		
Project Name: RHL	Normal			.		5 1	Lab Use			- 1	City/	state/	ZIP.	WEERS W 53150		
Project Number: 11 og event	Date Needed					Plac	e Header S	sticker He	ere:		Invoice	To:				
Project Location: Madison, WI											Comp	any:	(Sa	me as abone)		
Sampled By: Jeremy McTulyra	*Notify Lab prior samples			USH					•		Addre	ess:		/		
Regulatory Program:	24 hr 200% 2-3 day			/s 50%,						1	City/	State/	/Zip:			
UST RCRA SDWA NPDES	subject to char									}	PO No					
Solid Waste Other		·). 				
Client Special Instructions:		Filt?	(N)													
See affached for ana	lytizal									1		e s				
reamests.	J	**:		3								# Preservation Cod A=None B=HCL C=H2SO4 D=HNO3 E=Encore F=Methar				
			•	1-8260			i				,	Con	*ដ	A=None B=HCL C=H2SO4 D=HNO3		
		Wel	. 3	ا ما				1			<i>:</i>	of (atic	E=Encore F=Methanol		
Landfill License Number: #01953	7	WDNR Well ID	*Matrix	105 ×	ļ					Į.	C=H2SO4 D=HNO3 C=H2SO4 D=HNO3 E=Encore F=Metha G=NaOH O=Other					
Collection C		} 💈	*	5.3	,						1 (5 5					
Date Time Comp Sample I	D Description		L	L	Fill ir	Spac	es with	Bottle	s per T	est		L	<u> </u>	Lab ID#		
11/10/09/0905 G Dup-0	1	_	DW	3								3	B			
													<u> </u>			
				1			1									
									Ţ							
	· · · · · · · · · · · · · · · · · · ·															
Relinquished By: Date/Time	Relinquished By:		Date/	Time										****		
Jan parie 11/10/09/700							Ice Pres		Yes	N	0	S-Soil	l A -Air	**Matrix SI-Sludge M-Misc Waste		
Received by: Date/Time	Received for Laborato	ry by:	Date/	Time	-,		Cempera				-	GW⊣	Ground	water SW-Surface Water		
						'	TOOIGT #				-	WW	Wastew	ater DW-Drinking Water		

Rev. 3/2006			C	hain of	Custo	ody						Page		of
Company:	CTI						Court, B					-		SE PERGUNI
Project Contact: Frank (COGM)	CTLabo	rai		les	60		760 Factlabor				Comp			
Telephone: 4/4 4275033	Turnaro					VV VV VV	CHADOL	a torres.	COIII		Adare	State	20 B	0×12
Project Name: RHL	Normal			.		D.	Lab Use			}	City/	State/	ZIP.	WKE60, W 53150
Project Number: 11 19 West	Date Needed	-10				Plac	e Header S	Sticker He	re:		Invoice	: To: Ŧ	vank	Perugini
Project Location: Madison, WI	_										Comp	any:	Esc	
Sampled By: Tracy-Tparie	*Notify Lab prior t samples. S			USH									Bux	
Regulatory Program?	24 hr 200% 2-3 days			/s 50%,						1	City/	State	/Zip: /	Muskigu, W/ 53150
UST RCRA SDWA NPDES	subject to chang	ge with	out noti	ce.	•						PO No			
Solid Waste Other											1014	J.		
Client Special Instructions:		Filt? Y	//N						L					
												STS		
				YOCs							'	of Containers		* Preservation Code
		#	·	19/						 		l g	*c	A=None B=HCL
		Veli	t)	1,4				•			[1 5	eservation*	C=H2SO4 D=HNO3 E=Encore F=Methanol
Landfill License Number: #0/953		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Ē	コダ		Ì					ľ	#	Prv.	G=NaOH
		WDNR Well ID	*Matrix	170	}						1	Total) <u>8</u> 2	O=Other
Collection Grab/ Sample I	D Description		*	>	17:11 :			D - 441 -		r4	L		Щ.	Lab ID#
Zine Comp		311 DW 3 Fill in					in Spaces with Bottles per Test				Γ .	3	B	
1025 G PW-No	unorth	312	DW	3		 	 		 	 	 	3	B	
1115 6 PW-We			DW	3		 				 	 	3	书	
1125 G PW-SON		307	DW	3		 	1		 	-		3	B	<u> </u>
1140 G PN-Sa	U. o. c	300	DW	3		<u> </u>			ļ	 		3	B	
1210 G PN-Ma	fush	310	DW	3	 	 		 	 	 	 	13	B	
1215 G PW-Dur	7031	308	DW	3	 	 	 		 -	 	 	3	B	
	and	309		13		 	 	 	:[+	 	3	B	
	caner		DW	3	 	 	 	 	 -	+	 -	3	B	
		315	DW	1-2	 	 	 	 	 	+	┼	1 2	B	
111/9/09 - G / IVIP BI	ank		DW	 !	 	 	 	 	 	+	 	+	 D _	
			 		 		-		 	-	+	+	 	
			 	 	 	+	 -	 	 	 		+-	 	
Relinquished By: Date/Time	Relinquished By:	I	Date/	 Time	<u> </u>	Т	<u> </u>			J			ــــــــــــــــــــــــــــــــــــــ	<u> </u>
						Ice Pres	ent	Yes	N	10			**Matrix	
Macy Javac 11/9/19/630				·			l'emper				_			SI-Sludge M-Misc Waste
Received by: Date Time	Received for Laboratory	y by:	Date/	Time			Cooler#							water SW-Surface Water rater DW-Drinking Water
					•							,,,,	TABLEM	aret Nit-Ninkhik tagtet



Environmental Sampling Corporation

WDNR - REFUSE HIDEAWAY LANDFILL Middleton, WI Private Well Owners and Sample Locations

Frequency	Name	WDNR ID	Address	Phone (608)	Sample Location
	Arvid & Margaret Sather	300	7911 Deer Run Road	798-2262	backyard tap
	Cindy Bonk	301	7877 Deer Run Road	798-1153	back tap
Spring	Raymond & Mary Bula	302	RFD1, 7872 Deer Run East	798-3772	front tap
	Jeanette Wheat & Daryl Krueger	303	4306 Fawn Court	798-4701	side tap (past side door)
	Jerry Trantrow & Grace Thompson	304	4318 Fawn Court	798-3085	front tap
	Richard Summers	305	4610 Rocky Dell Rd., Rte 1	831-4414	under windmill
	Steve & Shirley Noles	312	7734 USH 14	831-1409	back tap
	Al & Jean Stoppleworth	311	7750 USH 14	831-6342 831-4214	back tap
	Arvid & Margaret Sather	300	7911 Deer Run Road	798-2262	backyard tap
	George & Joanne Weber	306	7873 Deer Run Road	798-0538	front tap
	Daniel & Patricia Sommers	307	7892 Deer Run Road	798-4665	outside tap by garag
	Ed & Virginia Matush 🗸	, 310	4310 Fawn Court	798-2766	side tap
Fall	Loyal & Bernice Durand ✓	308	4314 Fawn Court	798-2943	front tap
	Beth Wagner 🗸	309	7902 USH 14	513-9705	tap by well pit
	Wayne Rounds 🗸	315	7785 Low Road	231-1063(h) 831-2240(f)	front yard of farm house
	Steve & Shirley Noles	312	7734 USH 14	831-1409	back tap
	Al & Jean Stoppleworth	/ 311	7750 USH 14	831-6342 831-4214	back tap

Notes:

Residences on Fawn Court and Deer Run Road are located in Cross Plains, WI 53528. Residences on USH 14, Low Road, and Rocky Dell Road are located in Middleton, WI 53562.

All private well samples are analyzed according to US EPA method 524.2.

MONTH: November 2009 Purging Phase Sampling Phase Req. Gal. to Top of Well Depth to Groundwater Height of Amount Color Number of Total Spec. Cond. Turb after Date Time Date Temp. Color after Turb before Time Well ID Elevation Water Elevation Water Col. Purge Purged pH (s.u.) before Odor **Filters** (2009)(24hrs.) Depth (ft.) (2009)(24hrs.) (25C) (deg.C) Filter Filter Filter (ft.MSL) (ft.MSL) (ft.) Filter Used (ft.) (3.vol.) (gal.) 11/9 s none none AP-22D 2 PACKER ¥1215;¥ ¥7.60 594 11/9 1110 1088.94 171.90 917:04 217.2 45.30 5.5 *****16.0 ₩ clear 5.5 Block Towns BON TIMED. ¥11/9"; P-22E 916.92 1350 . 7.56 clear none 11/9 1150 1089.72 172.80 273.0 100.20 49.0 16.0 ^ ្នា16.8 none ROSALET CE FP-22S 311/9 1140 7 774 none 917.30 clear 11/9 1100 1088.20 170.90 184.7 13.80 6.7 7.0 one ≥ 11/9 929.33 P-26D 1149.63 220.30 262.1 41.80 11/10 806 none, Programma Bearing clear none 1140 7.33 P-26S 11/10 1000 1150.95 218.40 932.55 237.6 19.20 9.4 9.5 Sees 1 77 54 922.61 1110 none , none minus history PACKER 11/10 P-27D 7.41 11/10 0850 1095.56 172.95 204.3 31.35 8.0 90945 clear 8.0 CARL MARK 796 P-27S 11.3 11/10 923.23 ¥0930 / 7.27 none 11/10 0850 1095.23 172.00 188.8 16.80 8.2 8.5 none clear P-285 11/9.3 927.83 1124.33 196.50 207.4 10.90 P-29S 11/9 928.95 1163.10 234.15 257.2 23.05 *Kalenda's CONTRACTOR OF STA P-34D 929.88 PACKER 1090.98 161.10 276.1 115.00 9.0 · in State 11/9 933:50 P-34S 1091.10 157.60 186.0 28.40 P-35D 2 €924.20 1087.70 163.50 252.6 Chiarmy Col _ ⇒ 926.20 \$ P-35S 2 11/9 1087.90 161.70 184.0 WEATHER Wind Speed: NW Casing I.D. (inches): Gallons per foot to get one well volume. 0-5 mph Direction: Temp.: 55 1.5" well: 0.092 gal. 2" well: 0.163 gal. 3" well: 0.377 gal. 4" well : 0.653 gal. Date: 11/9/2009 Overview: partly cloudy NOTES: All water levels were recorded on 11/9/09. Date Equipment Used: 11/9/2009 Monitoring wells are located on the Sommers Farm property. Oakton pH 7.0: 7.00 pH 4.0: 4.01 Slope: pH Meter: ^ - Well contains low-flow purging/sampling equipment and was purged until field parameters stabilized. Spec. Cond. Meter: Oakton Standard: 1413 Reading: 1420 Temperature: 21.7 Facility Name: WDNR Refuse Hideaway Landfill ENVIRONMENTAL Client: WDNR Page: of 6 SAMPLING Facility Address: Highway 14, Middleton, WI Project: RHL - 11/09 event CORPORATION Date: 11/12/2009 ESC Personnel: SF. JM. TI Prepared by: TI 414-427-5033 JM Date: 11/13/2009 Checked by:

CP283/ESC/Forms/Field Form.xls

ENVIRONMENTAL SAMPLING CORPORATION GROUNDWATER MONITORING FIELD FORM

ENVIRONMENTAL SAMPLING CORPORATION GROUNDWATER MONITORING FIELD FORM MONTH: November 2009 **Purging Phase** Sampling Phase Depth to Reg. Gal. to Color Top of Well Groundwater Height of Number of Amount Color after Time Totat Time Spec. Cond. Temp. Turb before Turb after Date Date Well ID Elevation Water Col. (.u.s) Ha before Odor Filters Water Elevation Purge Puraed (2009)(24hrs.) Depth (ft.) (2009)(24hrs.) (25C) (deg.C) Filter Filter Filter (fLMSL) (fLMSL) (3 vol.) Filter Hopli (ft.) (ft.) (gal.) P-43D 11/9 1530 1109.92 189.70 920.22 283.6 93.90 45.9 15.5 ^ 11/10 0830 7.53 608 11.8 clear none none P-43I 1400 1110.24 190.00 920.24 233.3 43.30 21.2 70^ 1540 7.71 628 14.0 11/9 11/9 clear none none P-43S 11/9 1400 1110.60 190.35 920.25 205.7 15.35 7.5 3.0 ^ 11/9 1530 7.47 654 14.5 clear none none **PACKER** P-30D 11/10 0825 932.97 20.22 912.75 289.5 269.28 15.0 11/10. 0905 7.04 575 8.9 clear none none 15.0 PACKER P-301 11/10 0915 930.94 18.30 912.64 142.3 124.00 9.0 11/10 0940 7.56 450 11.9 clear none none 9.0 PACKER P-31D 11/9 1215 915.72 0.70 915.02 258.2 257.50 8.0 11/9 1255 7.40 507 10.5 clear none none 8.0 PACKER P-31IA 11/9 1250 916.77 NA NA 95.6 NA 8.0 11/9 1320 7.28 764 11.3 clear none none 8.0 PACKER P-31IB 11/9 1320 916.49 NA NA 135.7 NA 8.0 11/9 1340 7.32 780 11.2 clear none none 8.0 P-31S 11/9 1220 916.59 5.02 911.57 28.8 23.78 __ P-32D 11/9 942.66 20.50 922.16 176.2 155.70 P-32S 11/9 943.73 19.61 924.12 39.5 19.89 **PACKER** 922.98 245.30 P-40D 11/9 1130 9.90 913.08 255.2 9.0 11/9 1145 7.61 537 10.5 clear none none 9.0 **PACKER** P-401 1100 922.28 8.67 104.8 96.13 1130 7.40 636 11/9 913.61 9.0 11/9 11.7 clear none none 9.0 Casing I.D. (inches): Gallons per foot to get one well volume. WEATHER Wind Speed: 0-5 mph Direction: NNE Temp.: 45 1.5" well : 0.092 gal. 2" well : 0.163 gal. 3" well : 0.377 gal. 4" well: 0.653 gal. Date: 11/10/2009 Overview: clear **NOTES:** DUP-01 = P-30D All water levels were recorded on 11/9/09. Date Equipment Used: 11/10/2009 The P-43 well nest is located on the Sommer's Farm property. The remaining wells are located pH Meter: Oakton pH 7.0: 7.00 pH 4.0: 4.01 Slope: -Standard: 1413 Reading: along Highway 14. Spec. Cond. Meter: Oakton 1413 ^ - Well contains low-flow purging/sampling equipment and was purged until field parameters stabilized. Temperature: 17.4 P-31S has a broken bladder. Facility Name: WDNR Refuse Hideaway Landfill ENVIRONMENTAL Client: WDNR Page: of 6 Facility Address: Highway 14, Middleton, WI SAMPLING Project: RHL - 11/09 event ESC Personnel: SF, JM, TI CORPORATION Prepared by: TI Date: 11/12/2009 414-427-5033 Checked by: JM Date: 11/13/2009

CP283/ESC/Forms/Field Form.xls

		•			ENVIR	ONMENT	TAL SAM				GROUND ember 2009		ONITOR	ING FIELD	FORM					_	
				Purging	Phase						1				Sam	ling Pha	se				
Well ID	Date (2009)	Time (24hrs.)	Top of Well Elevation (ft.MSL)	Depth to Water (ft.)	Groundwater Elevation (fLMSL)	Total Depth (ft.)	Height of Water Col. (ft.)	Req. Gal. to Purge (3 vol.)	Amount Purged (gal.)		Date (2009)	Time (24hrs.)	pH (s.u.)	Spec. Cond. (25C)	Temp. (deg.C)	Color before Filter	Color after Filter	Odor	Turb before Filter	Turb after Filter	Number of Filters Used
P-41D	11/9		924.82	15.52	909.30	104.5	-	PACKER 9.0			_	_	-	-	-	-	-		_	-	. =
P-30S	11/9	_	932.61	19.77	912.84	_	_	-	_		_	-	_	_	-	_	-	1	_	_	-
P-36D/	11/9		924.34	.‰0.0 (flowing)	NA.	_					_	_			_		_	_	-		_
P-36S	11/9	-	924.49	1.83	922.66	-	_	-			_	-		. –	_	-	_	1	_	_	_
P-38S	2002 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 100 TO 1	_	923.21	6.83	916.38	_	_	-	-			_	_	_	_		_	-	_		_
P-39S	£11/9	_	946.08	33.62	912.46	-	-	-	-			-	_	-	_	_		_			_
P-40S	11/9	_	922.01	8.76	;∰913.25 ‡3	1	-	-	1.		-	-		_	_	_	-	-	-	-	_
P418	11/9	_	925.58	7.39	918.19		_	_	-		-		-		-	-	_	<i>'</i> –	_	_	_
	11/9	_	917.62	10.05	907.57	1	-	-				_					_	_		_	_
P-17S	11/10	1150	1081.75	155.5	# 926.25 L	158.8	3.3	1.6	2.0		11/10	¥-1300 •	7.35	941,	15.3	clear	_	none	none	_	-
P-185	11/10	1215	1020.57	94.85	925.72	107.2	12.35	6.0	9.0		11/10	1320	7.52	553	12.5	clear	-	none	none A	_	-
ÇFB-01.	_	_	_	-					-		11/10	. 1200	8.12	24 1 1	13.0	clear	_	none	Carried Street	_	_
DUP-01	-	-		-	_	_	_	_	-		11/10	0905	7.04	V 575	8.9	clear	_	none	* none	_	_
			per foot to g								WEATHE		Wind Sp		0-5 mph		Direction:	NNE		Temp.:	45
			recorded on		.377 gal. 、	4" well :	0.653 gal.			1	Date:	11/10 ipment Us	/2009	Overview: 11/10/	2000	clear					
					the site. The	remaining	wells are	located			pH Meter		ea: Oakton	11/10/	2009	pH 7.0:	7.00	pH 4.0	: 4.01	Slope	: -
along High		222.00 01					,			1		nd. Meter:		Oakton			Standard:		Reading	1413	
											Tempera	ure:	17.4								
Facility N			fuse Hideaw									Client:	WDNR					Page:	3	of	6
Facility A			14, Middleton	<u>, WI</u>							LING	Project:						10000			
ESC Pers	onnel:	SF, JM, T	<u> </u>								ATION	Prepared		TI		Date:	11/12				
	rms/Field Form		·						414	427	-5033	Checked	Dy:	JM		Date:	11/13	12009			

MONTH: November 2009 **Purging Phase** Sampling Phase Top of Well Depth to Groundwater Height of Reg. Gal. to Amount Color Number o Date Time Total Depth Time Spec. Cond. Color after Turb before Date Temp. Turb after Well ID Elevation Elevation Water Col. Odor Water Purge Puraed pH (s.u.) before **Filters** (2009) (24hrs.) (ft.) (2009) (24hrs.) (25C) (deg.C) Filter Filter (fLMSL) (ft.MSL) (ft.) (3 vol.) (ft.) Filter (gal.) Used 11/9 925:17, P-8D 930.98 42.2 5.81 P-8S 925.52 932.50 6.98 20.5 __ 925.21 930.43 5.22 43.0 _ P-9S 5 11/9 Services Services 932.09 6.50 925.59 16.0 P-16D(211/9 Carrier and the sto 936.30 12.80 923.50 42.9 P-16S7 = 11/9 925.55 935.96 10.41 17.2 __ P-20SR 11/10 -1130¹ \$1173g none 526 none 7.61 clear. 11/10 1050 961.78 36.10 925.68 66.3 30.2 14.8 21.0 www.carred TO SECURE 11/9 923.48 P-21BR 935.19 11.71 148.3 _ P-21D* 924.70 11/9 935.81 11:11 41.6 P-21S 924.83 936.43 11.60 19.7 P-23D 925.23 500 none 11/10 2 1150 10.6 clear 11/10 1005 961.53 36.30 80.1 43.8 21.4 30.0 7.37 none. 11/10 1040 7.46 533 none low. P-23S × 925.15 10.8 cloudy 11/10 1010 961.71 36.56 48.1 8.0 11.5 5.6 Sale Trans foliable with a P-24D \$ 11/9 _____924.55 × 927.25 2.70 25.2 Casing I.D. (inches): Gallons per foot to get one well volume. Temp.: 45 WEATHER Wind Speed: 0-5 mph Direction: NNE 1.5" well : 0.092 gal. 2" well : 0.163 gal. 3" well: 0.377 gal. 4" well: 0.653 gal. Date: 11/10/2009 Overview: clear NOTES: All water levels were recorded on 11/9/09. Date Equipment Used: 11/10/2009 Monitoring wells are located around the facility and along the adjacent farm fields. pH Meter: Oakton pH 7.0: 7.00 pH 4.0: 4.01 Slope: -Spec. Cond. Meter: Oakton Standard: 1413 Reading: 1413 Temperature: 17.4 Facility Name: WDNR Refuse Hideaway Landfill **ENVIRONMENTAL** Client: WDNR Page: 4 of 6 Facility Address: Highway 14, Middleton, WI SAMPLING Project: RHL - 11/09 event SF, JM, TI CORPORATION Date: 11/12/2009 ESC Personnel: Prepared by: ΤI 414-427-5033 Checked by: JM Date: 11/13/2009

CP263/ESC/Forms/Field Form.xls

ENVIRONMENTAL SAMPLING CORPORATION GROUNDWATER MONITORING FIELD FORM

				-	ENVII	RONMEN	ITAL SAN	IPLING CO			GROUND rember 200		MONITO	RING FIELI	FORM						
				Puraino	Phase										Sampl	ing Phas	e				
Well ID	Date (2009)	Time (24hrs.)	Top of Wall Elevation (ft.MSL)	Depth to Water (ft.)	Groundwater Elevation (ft.MSL)	Total Depth (ft.)	Height of Water Col. (ft.)	Req. Gal. to Purge (3 vol.)	Amount Purged (gal.)		Date (2009)	Time (24hrs.)	pH (s.u.)	Spec. Cond. (25C)	Temp. (deg.C)	Color before Filter	Color after Filter	Odor	Turb before Filter	Turb after Filter	Number of Filters Used
P-24E	11/9	-	927.39	2.33	925.06	52.5	_	_	-					_		-		-	_		-
P-25BR	11/9	1440 .	943.27	23.40	919.87	140.3	116.9	57.2	58.0		y 11/9	1,1620	7.34	574 🕸	10.9	orange			moderate		-
P-25D	11/9	1440	943.86	24.40	919.46	96.3	71.9 '	35.2	36.0		11/9	5 ₅ 1610 x	7.12	¥3775	11.3	clear s	-	none 🤻	none		-
* P-25S	11/9	<u>-</u>	943.14	19.95	923.19	29.4	_	- 、	_				-	<u>-</u>	'	· -	·		<u> </u>	_	-
P-33D	11/9		928.50	2.90	925.6 🚧	103.4		<u>-</u>							-	_		-	-	-	
P-1D	11/9	-	926.67	1.74	\$ 924.93	<u></u>	-	-	-		· <u>-</u> `	-	-			_		<u>-</u>		_	
P-1S	11/9	_	924.39	2.07	922.32			-	-			-	-			-	_	-			
	11/94	-	932.79	7.25	925.54			-				· -		-		_		-			
	11/9.4	-	929.89	3.75	4,926.14			-						-			_			-	-
P-8BR	11/9	-	929.52	4.69	924.83	111.5		·- ,		٠.					-	-	-	_	-	_	- '
P-33S	11/9		928.55	4.23	924.32	27.6		-							-				-		ļ <u>-</u>
	<u> </u>					ļ	ļ					ļ			<u> </u>			<u> </u>		ļ	<u> </u>
				ļ				<u> </u>				<u> </u>				<u> </u>					
			per foot to g			411	0.050 ==1				WEATHE		Wind Sp		0-5 mph	andle of	Direction	1:	NW	Temp.:	_55
	0.092 gal.		recorded on	3" well : (u.3/7 gal.	4" Well :	0.653 gal.	<u> </u>		4	Date:	11/9. Ipment Us	/2009	Overview:	9/2009	partly cl	oudy				
					g the adjacent	farm field	s.			1	pH Meter		Oakton	1 1/3	JI 2003	pH 7.0	: 7.00	pH 4.0	: 4.01	Slope	:-
	,									1	Spec. Co	nd. Meter:		Oakton			Standard		Reading		5
										4	Tempera	ture:	21.7								
English, M	lama:	WOND	efuse Hideaw	ov Landen					FN//i	I NAV	IENTAL	Client:	WDNR					Page:	5	of	6
Facility N			14, Middleton							AMPL		Project:		1/09 event				raye.		<u> </u>	
ESC Pers		SF. JM. T		, ++1		•					ATION	Prepared		TI		Date:	11/1:	2/2009			
_		_,, _,,,	·								-5033	Checked		JM		Date:		3/2009			

CP263/ESC/Forms/Fleld Form.xls

			,	Purgin	Phase									Samp	ling Pha	se				
Well ID	Date (2009) ,	Time (24hrs.)	Top of Well Elevation (ft.MSL)	Depth to Water (ft.)	Groundwater Elevation (ft.MSL)	Total Depth (ft.)	Height of Weter Col. (ft.)	Req. Gal. to Purge (4 vol.)	Amount Purged (min.)	Date (2009)	Time (24hrs.)	pH (s.u.)	Spec. Cond. (25C)	Temp. (deg.C)	Color before Filter	Color after Filter	Odor	Turb before Filter	Turb after Filter	Number Filters Used
W-Sather	11/9	1125			1	-	-	-	15	11/9	1140	8.28	712	12.6	clear	_	none	none		-
W-Noles	11/9	1010	-	-	· –				15	11/9	1025	7.71k	745	13.1	clear		none	none		_
PW-5	11/9	1000			_		-		15	第11/9夏	1015	7.42		12:9	clear.	-	none	nones	-	
V-Matush	11/9	1155		- .			-		15	11/9	1210	₫7:43 3	688	12.3	clear		none	none		_
PW-12 ommers	11/9	1110					-	_	15	11/9	1125	8.21	5 608	12.0	(clear	_	none	∌none j	_	_
/-Durand	11/9	1200		-			-		15	11/9	1215	7.53	4 831(-)	0.12.315	⊮ clear	_	none	s none	_	
/-Wagner	11/9	1235			_	-		-	15	11/9	1250	7.60	\$ 803	111.2	clear.		none	none		
V-Weber	11/9	1100					-	-	. 15	11/9	1115	J. 8.21	594	12.73	clear	· -	e none	none 5	_	
V-Rounds	11/9	1300			_		-		15	11/9	1315	7.79	664	11:51	clear	_	none	none .	-	-
						<u> </u>								ļ		'				
						a			·						-					
						ļ			<u> </u>			<u>, </u>				<u></u>		<u> </u>		
				_				1.											ļ.,,,,	
sing I.D	. (inches)	: Gallons	per foot to g							WEATHE		Wind S		0-5 mph		Direction):	NW	Temp.:	_55
5" well : DTES:	0.092 gal.	2" well :	0.163 gal.	3" well : 0).377 gal.	4" well : 0).653 gal.			Date: Date Equ		/2009	Overview:	/2009 -	partly cl	oudy .				
JIES:										pH Meter:		Oakton	1 1/3	12005	pH 7.0	7.00	pH 4.0	: 4.01	Slope	
					-						nd. Meter:		Oakton			Standard		Reading		
										Temperat	ure:	21.7	7					7		
cility Na	ame.	WDNR R	efuse Hideaw	av Landfill	• •				I ENVIRO	NMENTAL	Client:	WDNR					Page:	6	of -	
cility A			14, Middleton							PLING			1/09 event							
C Pers		SF, JM, 1				_			CORPO	RATION	Prepared		TI		Date:		2/2009			
									1 444.4	27-5033	Checked	A	JM		Date:	44/41	3/2009			

Environmental Sampling Corp. (ESC) Field Status Report – December 2009



WDNR / Refuse Hideaway Landfill Middleton, Wisconsin

Task	Sampling Period / Date	Sample Type / Description
I	Various	Reporting
II	12/30/09	Inspect water level control devices

Project Status

- I. <u>Reporting:</u> ESC staff prepared the November 2009 Groundwater and Private Well Monitoring Report and sent the report and laboratory data files to the WDNR in December 2009. Prior to the submittal of the report, ESC staff e-mailed a brief summary of the private well monitoring results and a .pdf file of the laboratory data to the WDNR. ESC staff also prepared historic data tables for the private well monitoring locations.\
- II. <u>Inspect water level control devices:</u> ESC staff was on site in December 2009 to inspect the water level control devices in monitoring wells P-8BR, P-9D, P-24D, P-24E, P-33D, and P-36S.

Task Deviations and Reporting Turnaround

None

Field Observations

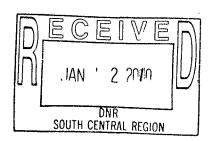
• None.

Proposed Additional Actions

• None.

Other Observations

None.



Environmental Sampling Corporation

Refuse Hideaway Landfill Monthly Water Level Measurements November 2009 - March 2010

	Stick up	Top of well		Dep	th to Water	(ft.)	
Well ID	(ft.)	to 3ft. Bgs (ft.)	Nov-09	Dec-09	Jan-10	Feb-10	Mar-10
P-8BR	2.33	5.33	4.69	5.22			
P-9D	2.08	5.08	5.22	4.85			
P-24D	2.17	5.17	2.70	2.20			
P-24E	2.00	5.00	2.33	2.25			
P-33D	2.08	5.08	2.90	3.00			
P-36S	1.67	4.67	1.83	0.00			

Note:

Water level measurements are to be recorded on a monthly basis until the groundwater is at least three feet below ground surface.