

**APPENDIX D**

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Ambient Air Monitoring Field Sheets

**PBS Engineering + Environmental  
AIR MONITORING RECORD**

Project Title Sewers Road Project No. 80416.000 Task 2

Site Specific Name/Location TP#1 - TP#7 Date 12/1/08 Day Mon

Weather: Temp 40° Wind Direction/Speed 1 E-SE Humidity \_\_\_\_\_

	Instrument	S/N	Calibration date	Calibration gas/method	Calibration by
Organic vapors	PID		12/1/08	ISO GAS	DH
Particulates	N/A	N/A			→
O <sub>2</sub>	4-GAS		11/20/08	Calib. GAS (4-GAS)	AF
Radiation	N/A	N/A			→
Combustible gas	4-GAS		11/20/08	Calib GAS (4-GAS)	AF
Radiation	N/A	N/A			→

Time	Location / Description	Organic vapor * ppm	Particulates mg/m3	O <sub>2</sub> %	H <sub>2</sub> S ppm	CG % LEL
8:20	TP#1	0	N/A	20.9	0	0
9:00	TP#1A	0	N/A	20.9	0	0
10:50	TP#2	0	N/A	20.9	0	0
11:50	TP#3	0	N/A	20.9	0	0
12:15	TP#3A	0	N/A	20.9	0	0
13:10	TP#4	0	N/A	20.9	0	0
13:20	TP#4A	0		20.9	0	0-3
14:15	TP5	0		20.9	0	0
15:00	TP6	0		20.9	0	0
15:45	TP7	0		20.9	0	0

Notes: \_\_\_\_\_

Data collected by Alex Fischer Print Name [Signature] Signature

\* Organic Vapor ppm of Ambient Outdoor Air





**PBS Engineering + Environmental  
AIR MONITORING RECORD**

Project Title Stevens Road Project No. 80416-000 Task 02

Site Specific Name/Location TP 7A' (A/B) Date 12/4/08 Day \_\_\_\_\_

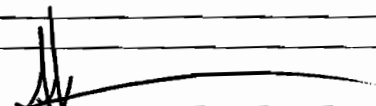
Weather: Temp 30° Wind Direction/Speed \_\_\_\_\_ / \_\_\_\_\_ Humidity \_\_\_\_\_

	Instrument	S/N	Calibration date	Calibration gas/method	Calibration by
Organic vapors	PID		12/4/08	ISO	DH
Particulates	NA				→
O <sub>2</sub>	4-GAS		11/20/08	MIX	AF
Radiation	NA				→
Combustible gas	4-GAS		11/20/08	MIX	AF
Radiation	NA				→

Time	Location / Description	Organic vapor * ppm	Particulates mg/m3	O <sub>2</sub> %	H <sub>2</sub> S ppm	CG % LEL
7:40	7A'	0.0	N/A	20.9	0	0-3
8:35	5 (RE-DIG)	0.0		20.9	0	0
9:12	6 (RE-DIG)	0.0		20.9	0	0
9:50	3A (RE-DIG)	0.1 - 0.3		20.9	0	0-4
10:34	TP# 22A	0.2		20.9	0	0
11:15	TP# 23	0		20.9	0	0
12:14	TP# 9 (RE-DIG)	0.5 - 6.3		20.9	0	0-6
13:45	TP# 8 (" ")	0.4		20.9	0	0

Notes: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Data collected by Alex Fischer  
 Print Name

  
 Signature

\* Ambient Air



**PBS Engineering + Environmental  
AIR MONITORING RECORD**

Project Title DSL Project No. 80416.00/73  
 Site Specific Name/Location SW CORNER Sec 11 Date 12-30-08 Day Tue  
 Weather: Temp 30° DIRECTION SW Wind Direction/Speed TOWARD SMP17 Humidity \_\_\_\_\_

		Instrument	S/N	Calibration date	Calibration gas/method	Calibration by
Organic vapors	M2N2 RAP			12-30-08/ GYS		DIA
Particulates						
O <sub>2</sub>						
Radiation						
Combustible gas						DOUG HANZLON
Radiation						

Time	Location / Description	Organic vapor ppm	Particulates mg/m3	% CO <sub>2</sub> %	H <sub>2</sub> S ppm	CG % LEL
850	@ VP START 2	0.2	—	<del>20</del> 0		0
915	SAMPLE 15-20	0.2		0		0
1015	WELL INSTALL VP-2	0.2		0		0
1100	START VP-1 & TP-2	0.0		0		0
1130	WELL INSTALL VP-2	0.2		0		0
1157	@ VP-3 START	0.0		0		0
1238	@ VP-4 START	0.0		0		0
1328	@ VP-5 START	0.0		0		0

Notes: \_\_\_\_\_

Data collected by DOANN HANZLON Don Hanzlon  
 Print Name Signature



PBS Engineering + Environmental

Landfill Gas Monitoring SAMPLING FIELD FORM

Revised: 12/16/08

PROJECT: DCL
PROJECT NO: 80716.00/TASK 3
EVENT: LANDFILL GAS MONITORING
Date: 1-8-09

Field Personnel:

Start Time:

Weather Conditions: Temperature: 34.2 -> 39.7
Barometric pressure start: 29.88
Barometric pressure end: 29.91

Cloud Cover: CLOUDS 2N DISTANCE
Pressure trend (falling or rising): RISING

Landfill Gas Readings

Table with 7 columns: Location, Time, CH4 methane, CO2 Carbon Dioxide, O2 oxygen, Differential Pressure (GEM 2000, Magnehelic Gauge), and Notes. Rows include VP-1 (TP-2) through Davenport Cave (TP-8).

Instrument: GEM 2000

Source of Instrument: COUNTY LANDFILL - THEY CALLED (JEM) 1-8-09 @ 0750

WELL CONDITION

Document problems with any of the wells.

Field Observations/Notes of Sampling Event:

X WAS 0.19 @ START

Signature of Field Personnel: [Handwritten Signature]



PBS Engineering + Environmental

Landfill Gas Monitoring SAMPLING FIELD FORM

Revised: 12/16/08

PROJECT: 20416.00/TACKS

PROJECT NO: DSC

EVENT: VAPOR POINT ZNS TACC

Date: 1-14-09

Field Personnel: [Signature]

Start Time:

Weather Conditions: Temperature: 39.0 - 46.6°F
Barometric pressure start: 30.30
Barometric pressure end: 30.33

Cloud Cover: THIN CLOUDS
Pressure trend (falling or rising): RISING

Landfill Gas Readings

Table with 8 columns: Location, Time, CH4 methane (%), CO2 Carbon Dioxide (%), O2 oxygen (%), Differential Pressure (GEM 2000 and Magnehelic Gauge), Notes. Rows include VP-1 (TP-2) through Davenport Cave (TP-8).

Instrument: Gem 2000

Source of Instrument: COUNTY LANDFILL - J2M CALIBRATED 1-14-09

WELL CONDITION

Document problems with any of the wells.

VP-4 FENCE POST GONE - FRESHLY BROKEN GLASS ON MONUMENT
VP-5 " " "
VP-2 GREEN FENCE POST PULLOUT BUT LEFT ON SITE - PUT BACK IN

Field Observations/Notes of Sampling Event:

J2M D20 NOT SET PRESSURE VALUE

Signature of Field Personnel: [Signature]



PBS Engineering + Environmental

Landfill Gas Monitoring SAMPLING FIELD FORM

Revised: 12/16/08

PROJECT: DCC  
PROJECT NO: 80416.00/73  
EVENT: VAPOR MONITOR  
Date: 1-22-09

Field Personnel: DN

Start Time: 826

Weather Conditions: Temperature: 35.8 - 38.7

Cloud Cover: OVERCAST

Barometric pressure start: 29.97

Pressure trend (falling or rising):

Barometric pressure end: 29.97

STEADY

Landfill Gas Readings

Location	Time (00:00 - 23:59)	CH <sub>4</sub> methane (%)	CO <sub>2</sub> Carbon Dioxide (%)	O <sub>2</sub> oxygen (%)	Differential Pressure (inches of H <sub>2</sub> O)		Notes
					GEM 2000	Magnehelic Gauge	
VP-1 (TP-2)	833	0.0	5.6	14.8	0	0	26.18
VP-2 (TP-9)	930	0.0	18.7	2.0	0	0	26.18
VP-3 (TP-20)	858	0.0	13.9	8.1	0	0	26.18
VP-4 (TP-14)	909	0.0	18.9	3.1	0	0	26.18
VP-5 (TP-18)	918	0.0	0.1	20.0	0	0	26.18
Three Pines Cave (TP-23)	840	0.0	0.0	19.8	0	—	26.18 SMOKEY SMOKE
Garbage Cave NO. 1 (TP-7A)	849	0.0	0.1	19.9	0	—	26.18
Garbage Cave NO. 2 (TP-26)	940	0.0	0.1	20.2	0	—	26.18
Davenport Cave (TP-8)	949	0.0	0.0	20.3	0	—	26.18

Instrument: GEM 2000

Source of Instrument: COUNTY SOLID WASTE 52M CALIBRATED 1-22-09

WELL CONDITION

Document problems with any of the wells.

Field Observations/Notes of Sampling Event:

Signature of Field Personnel: *Don Hall*



PBS Engineering + Environmental

Landfill Gas Monitoring SAMPLING FIELD FORM

Revised: 12/16/08

PROJECT: DSL  
PROJECT NO: 20416.00/73  
EVENT: VAPOR MONITOR  
Date: 1-27-09

Field Personnel:

Start Time:

Weather Conditions: Temperature: 8, 2 → 23.5  
Barometric pressure start: 29.75 30.21  
Barometric pressure end: 29.73 30.18  
Cloud Cover: P. CLOUDY WZN DY  
Pressure trend (falling or rising): FALLING

Landfill Gas Readings

Location	Time (00:00 - 23:59)	CH <sub>4</sub> methane (%)	CO <sub>2</sub> Carbon Dioxide (%)	O <sub>2</sub> oxygen (%)	Differential Pressure (inches of H <sub>2</sub> O)		Notes
					GEM 2000	Magnehelic Gauge	
VP-1 (TP-2)	843	0.6	6.7	15.0	0	0	26.38
VP-2 (TP-9)	958	0.1	16.8	4.6	0	0	0.1 methane 26.38
VP-3 (TP-20)	916	0.0	16.1	7.3	0	0	26.38
VP-4 (TP-14)	931	0.1	19.0	3.4	0	0	26.38
VP-5 (TP-18)	942	0.0	0.1	20.4	0	0	26.38
Three Pines Cave (TP-23)	854	0.0	0.0	21.1	0	0	26.38
Garbage Cave NO. 1 (TP-7A)	905	0.0	0.0	21.3	0	0	26.38
Garbage Cave NO. 2 (TP-26)	1010	0.0	0.0	20.3	0	0	26.38
Davenport Cave (TP-8)	1029	0.0	0.0	20.5	0	0	26.38

Instrument: GEM 200

Source of Instrument: SOLID WASTE DEPT. THEY CALIBRATED 1-27-09

WELL CONDITION

Document problems with any of the wells.

Field Observations/Notes of Sampling Event:

SNOWED OUT  
WZND PECK UP WHEN @ VP-5

Signature of Field Personnel:

*Down*