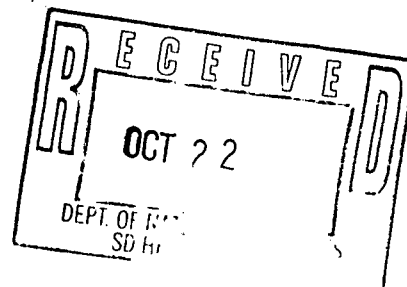




October 19, 2001

Mr. Michael Schmoller
WDNR South Central Region Office
3911 Fish Hatchery Road
Fitchburg, WI 53711



**SUBJECT: Tri-Annual Facility Inspection Report and Semi-Annual Gas Monitoring Probe Report
Bid Item #2 and #11a
Stoughton City Landfill
FID # 113005950 - License #133
BT² Project #1764**

Dear Mr. Schmoller:

BT², Inc. has prepared the first of three facility inspection reports and the semi-annual gas monitoring probe report for the second year O&M at the Stoughton City Landfill site. We inspected the site on September 27, 2001. The attached Inspection Report details our findings on that date. The Passive Gas Vent monitoring results for organic vapors and combustible gases was also completed on September 27, 2001. The monthly summaries of the three gas monitoring probes for August and September 2001 are also included. Summaries of the facility inspection are as follows.

September 27, 2001 Inspection

A periodic inspection was performed at the Stoughton City Landfill by BT², Inc. personnel on September 27, 2001. The general site condition was good and the ground was covered by a good cover layer of grass and clover approximately 12 inches tall. The main gate and the City-of-Stoughton-owned areas of the gravel road skirting the landfill to the south and southeast were in good condition with no obvious erosion problems. The gravel road providing access to the west of the site all the way to well cluster MW13 has been rebuilt, presumably by the City of Stoughton. The road width was expanded slightly with a coarse base suitable for paving. The Periodic Inspection Report is included as **Attachment A**.

Perimeter Security Fencing: The condition of the perimeter fence and both entrance gates was good. There was no evidence of vandalism at the site. The wooden fence planks were in good condition. The chain link fencing on both gates was in good working order. Both gate padlocks were cleaned and sprayed with WD-40.

Monitoring Wells and Wellhead Covers: There were no evident signs of tampering at any of the site monitoring wells. Monitoring well nest MW4 is now very close to the gravel road due to expansion of the road. Brush and grass around the wells and their bumper posts was cleared away.

Final Cover Vegetation and Slope: The ground surface had a decent cover layer of grass and clover approximately 12 inches tall. The cover is ready to be mowed. The second cover mowing of Year 2

O&M was scheduled and completed on September 29, 2001. No evidence of stressed vegetation or evidence of burrowing animals was observed on the cover.

Stormwater Drainage Channels: The stormwater drainage channels were in good shape with no debris or blockages evident.

Landfill Gas Venting System: Gas vent pipes were inspected and found to be in good shape. The 21 passive gas vents were analyzed for percent LEL (as methane), percent oxygen, carbon dioxide, PID, and gas flow rate. The results are summarized on the Passive Gas Vent Report included as **Attachment B**.

Access Gravel Roads: All access roads leading around the south edge of the landfill and to the various well nests were accessible and in good condition.

Monthly Gas Monitoring Probe results

The Gas Monitoring Probe monthly check includes percent LEL (as methane), percent oxygen, percent carbon dioxide, PID, gas flow rate, and well head pressure. Summaries of these reports are included as **Attachment C**.

The second Facility Site Inspection of Year 2 O&M is scheduled for January 2002. A CD-ROM is also enclosed containing a copy of this report and the attachments as a PDF file. Please call us at (608) 224-2830 if you have any questions.

Sincerely,
BT², Inc.

Jan C. Kucher (ss)

Jan C. Kucher
Project Manager

Steven B. Smith

Steven B. Smith
Senior Technical Specialist

Attachments: CD-ROM

- A - O&M Facility Inspection Report
- B - Passive Gas Vent Monitoring Report
- C - Monthly Gas Monitoring Probe Reports

I:\1764\Reports\FacilityReports\011012\011012FacilityReport.wpd

ATTACHMENT A

**Operation and Maintenance Periodic Inspection Report
Stoughton City Landfill
Stoughton, Wisconsin**

Inspector S. Smith
 Company BT² Inc.
 Project Stoughton City L.F.
 Location Stoughton, WI
 Date/Time 9/27/01 10:30
 Project No. #1764

Weather	<u>Sunny, clear</u>	<u>Clear</u>	P. Cloudy	Cloudy	Fog
Temperature	<u>59°F</u>	High	<u>63 F</u>	---	---
Wind	<u>6.9 mph</u>	Calm	<u>Medium</u>	High	---
Precipitation	<u>None expected</u>	Rain	Light	Moderate	Heavy
		Snow	Light	Moderate	Heavy

Type of Inspection Routine Special

Persons/Equipment Present: S. Smith on site - Equipment → LMS, L.F. gas meter, Thermo Environmental PID #1,

General Description of Site Conditions: Dry, grass needs its cut many of the season. Wells in good shape; gas vents in good shape

Specific Inspection Items	Potential Problem Areas	Status*	Notes
Perimeter Security Fencing	Broken boards/vandalism	1	NO damage
Entrance Gate and Locking Mechanism	Lock broken/missing, mechanism inoperative	1	Sprayed WD-40 into locks.
Monitoring Wells and Wellhead Covers	Signs of tampering, casing damaged, lock missing or damaged	1	NO damage
Final Cover Vegetation	Bare spots, stressed vegetation, deep-rooted vegetation	1	Needs mowing
Final Cover Slope (explain below)	Gullies, lack of vegetation, subsidence, ponding	1	Good condition
Evidence of Burrowing Animals	Damage to final cover, evidence of waste	1	None No evidence
Stormwater Drainage Channels	Gullies, erosion, debris, culvert blocked	1	Good condition
Landfill Gas Venting System	Damaged vent risers, stressed vegetation	1	Good condition
Access Road	Ponding, rutting, erosion	1	Good condition

* (1) Acceptable - No Maintenance Required. (2) Not Acceptable - Identify Required Maintenance.

Summary of Deficiencies and/or Corrective Actions: None required

Signature of Inspector [Signature]

Date 9/27/01

ATTACHMENT B

Operation and Maintenance Report
Passive Gas Vent Monitoring
Stoughton City Landfill / BT² Project #1764

Probe	% LEL	% Oxygen	PID (ppm)	Gas Flow (m ³ /hr)	Other Gasses
GV-1	0.0	20.9	0.0	2	
GV-2	0.0	21.1	0.0	0	
GV-3	0.0	20.8	0.0	1	
GV-4	0.0	20.9	0.2	0	
GV-5	0.0	20.8	0.0	2	
GV-6	0.0	20.9	0.0	1	
GV-7	0.0	21.0	0.0	1	
GV-8	0.0	21.0	0.0	0	
GV-9	0.6	20.9	0.4	0	CO ₂ = 0.6%
GV-10	0.0 0.2	20.7	0.0	2	
GV-11	0.4	20.6	0.0	1	
GV-12	3.6	17.5	1.1	2	CO ₂ = 2.2%
GV-13	4.9	15.9	1.5	1	CO ₂ = 0.9%
GV-14	0.6	19.9	0.6	1	
GV-15	0.0	20.8	0.0	0	
GV-16	0.0	20.9	0.0	2	
GV-17	0.0	21.0	0.0	2	
GV-18	0.0	21.0	0.0	2	
GV-19	0.0	20.8	0.0	2	
GV-20	0.0	20.8	0.0	1	
GV-21	0.0	20.8	0.0	2	

PID Thermo PID*1

Operator: S. Smith

Barometric Pressure: 30.12 in.

Temperature: 59°F

Ground Surface: Dry

Date: 9/27/01

Weather: Sunny and clear

Notes:

1. % LEL as measured as Methane.
2. Other gases - detected gases other than % O₂ and % LEL as Methane.

ATTACHMENT C

Monthly Report
Gas Monitoring Probes
Stoughton City Landfill
BT² Project #1764

Probe	% LEL (as Methane)	% Oxygen	% CO ₂	PID (ppm)	Gas Flow (m ³ /hr)	Pressure (inches H ₂ O)
GMP-1	0.5	20.4	0.0	0.0	2	0.0
GMP-2	0.2	20.8	0.0	0.0	2	0.0
GMP-3	0.2	20.8	0.0	0.4	2	0.0

Instruments Used: LMS, LIF, gas meter, Thermo PID meter
 Operator: S. Smith Date: 9/27/01

Weather Data

Barometric Pressure: 30.12 in Temperature: 59°F
 Humidity: 82% Dewpoint: 46.4% Wind: 0.9 mph
 Ground Surface: Dry Conditions: Sunny & clear

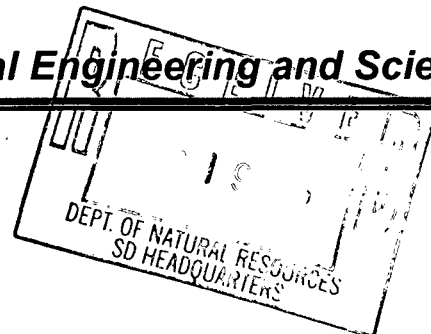
**Monthly Report
Gas Monitoring Probes
Stoughton City Landfill
BT² Project #1764**

Probe	% LEL (as Methane)	% Oxygen	% CO ₂	PID (ppm)	Gas Flow (m ³ /hr)	Pressure (inches H ₂ O)
GMP-1	0.3	20.6	0.0	0.0	0	0.0
GMP-2	0.0	20.8	0.0	0.5	2	0.0
GMP-3	0.4	20.4	0.0	0.6	2	0.0

Instruments Used: LMS_x landfill gas meter, Thermo PID meter
 Operator: S. Smith Date: 8/29/06

Weather Data

Barometric Pressure: 30.04 inches Temperature: 77.0° F
 Humidity: 83% Dewpoint: 54.3° F Wind: 8.1 mph
 Ground Surface: Dry Conditions: Clear, slight breeze



March 15, 2002

Mr. Michael Schmoller
WDNR South Central Region Office
3911 Fish Hatchery Road
Fitchburg, WI 53711

**SUBJECT: Tri-Annual Facility Inspection Report and
Semi-Annual Gas Monitoring Probe Report
Bid Item #2 and #11a
Stoughton City Landfill
FID # 113005950 - License #133
WDNR Purchase Order #NMB00000136
BT² Project #1764**

Dear Mr. Schmoller:

BT², Inc. has prepared the second of three facility inspection reports and the semi-annual gas monitoring probe report for the second year O&M at the Stoughton City Landfill site. Mr. Steven Smith of BT² inspected the site on January 15, 2002. The attached Inspection Report details the findings on that date. The Passive Gas Vent monitoring results for organic vapors and combustible gases were also completed on January 15, 2002. The monthly summaries of the monitoring of the three gas monitoring probes for October, November, and December 2001, and January 2002 are also included. Summaries of the facility inspection are as follows.

January 15, 2002 Inspection

The general site condition was good and the ground was covered by approximately two inches of snow. The main gate and the City-of-Stoughton-owned areas of the gravel road skirting the landfill to the south and southeast were in good condition with no obvious erosion problems. The gravel road providing access to the west of the site all the way to well cluster MW13 has been rebuilt by the City of Stoughton. The access gate to this road has been modified by the City of Stoughton Parks Department. A new padlock was also installed by the City of Stoughton Parks Department; a key was given to Mr. Smith. The Periodic Inspection Report is included as **Attachment A**.

Perimeter Security Fencing: The condition of the perimeter fence and both entrance gates was good. There was no evidence of vandalism at the site. The wooden fence planks were in good condition. The chain link fencing on both gates was in good working order. Both gate padlocks were cleaned and sprayed with WD-40.

Monitoring Wells and Wellhead Covers: There were no evident signs of tampering at any of the site monitoring wells. Monitoring well nest MW4 is now very close to the gravel road due to expansion of the road. Brush and grass around the wells and their bumper posts was cleared away.

Mr. Michael Schmoller
March 15, 2002
Page 2

Final Cover Vegetation and Slope: The ground surface had a cover of approximately two inches of snow. No evidence of stressed vegetation or evidence of burrowing animals was observed on the cover.

Stormwater Drainage Channels: The storm water drainage channels were in good shape with no debris or blockages evident.

Landfill Gas Venting System: Gas vent pipes were inspected and found to be in good shape. The 21 passive gas vents were analyzed for percent LEL (as methane), percent oxygen, carbon dioxide, PID, and gas flow rate. The results are summarized on the Passive Gas Vent Report included as **Attachment B**.

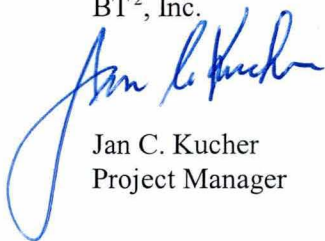
Access Gravel Roads: All access roads leading around the south edge of the landfill and to the various well nests were accessible and in good condition.

Monthly Gas Monitoring Probe results


The Gas Monitoring Probe monthly check includes percent LEL (as methane), percent oxygen, percent carbon dioxide, PID, gas flow rate, and well head pressure. Summaries of these reports are included as **Attachment C**.

The third Facility Site Inspection of Year 2 O&M is scheduled for May 2002. A CD-ROM is also enclosed containing a copy of this report and the attachments as a PDF file. Please call us at (608) 224-2830 if you have any questions.

Sincerely,
BT², Inc.



Jan C. Kucher
Project Manager



Steven B. Smith
Environmental Specialist

Attachments: CD-ROM

- A - O&M Facility Inspection Report
- B - Passive Gas Vent Monitoring Report
- C - Monthly Gas Monitoring Probe Reports

I:\1764\Reports\FacilityReports\March2002\020315FacilityReport.wpd

ATTACHMENT A

O&M Facility Inspection Report

**Operation and Maintenance Periodic Inspection Report
Stoughton City Landfill
Stoughton, Wisconsin**

Inspector S. Smith
 Company BT² Inc.
 Project Stoughton City L.F.
 Location Stoughton WI
 Date/Time 1/15/02 2:00pm
 Project No. #1764

Weather	Cloudy	Clear	P. Cloudy	Cloudy	Fog
Temperature	30 24°F	High	F	---	---
Wind	8.1 mph	Calm	Medium	High	---
Precipitation	Occasional light flurries	Rain	Light	Moderate	Heavy
		Snow	Light	Moderate	Heavy

Type of Inspection Routine Special

Persons/Equipment Present: S. Smith on site with the Turner PIDC#13 and the LMSx landfill Gas Meter

General Description of Site Conditions: Site in good shape. Had to go to Stoughton Parks Department to get a copy of the key to open the side access gate.

Specific Inspection Items	Potential Problem Areas	Status*	Notes
Perimeter Security Fencing	Broken boards/vandalism	1	NO vandalism
Entrance Gate and Locking Mechanism	Lock broken/missing, mechanism inoperative	2	ONR padlock missing. Went to Parks Dept to get a copy.
Monitoring Wells and Wellhead Covers	Signs of tampering, casing damaged, lock missing or damaged	1	NO damage
Final Cover Vegetation	Bare spots, stressed vegetation, deep-rooted vegetation	1	Covered with snow
Final Cover Slope (explain below)	Gullies, lack of vegetation, subsidence, ponding	1	Good shape
Evidence of Burrowing Animals	Damage to final cover, evidence of waste	1	None
Stormwater Drainage Channels	Gullies, erosion, debris, culvert blocked	1	Good shape
Landfill Gas Venting System	Damaged vent risers, stressed vegetation	1	Good shape
Access Road	Ponding, rutting, erosion	1	See above

*(1) Acceptable - No Maintenance Required. (2) Not Acceptable - Identify Required Maintenance.

Summary of Deficiencies and/or Corrective Actions: _____

Signature of Inspector Steven Smith

Date 1/15/02

ATTACHMENT B

Passive Gas Vent Monitoring Report

Operation and Maintenance Report
Passive Gas Vent Monitoring
Stoughton City Landfill / BT² Project #1764

Probe	% LEL	% Oxygen	PID (ppm)	Gas Flow (m ³ /hr)	Other Gasses
GV-1	0	20.9	0	2	
GV-2	0	20.8	0	0	
GV-3	0	20.9	4.2	2	
GV-4	0	21.0	0	0	
GV-5	0	21.0	0	0	
GV-6	0.8	20.9	3.0	2	
GV-7	0	20.9	0	3	
GV-8	0	21.0	0	0	
GV-9	0	21.0	0.6	0	
GV-10	3.0	20.8	0.8	2	CO ₂ = 2.1%
GV-11	0	21.0	0	0	
GV-12	0	20.9	0	2	
GV-13	17.1	3.1	0.9	2	CO ₂ = 14.5%
GV-14	0	21.0	1.0	0	
GV-15	0	20.9	0	0	
GV-16	6.3	20.3	0	0	CO ₂ = 7.9%
GV-17	0	21.0	0	2	
GV-18	0	20.9	0.4	0	
GV-19	0	20.9	0	0	
GV-20	0	20.9	0	2	
GV-21	0	20.9	0.4	0	

PID Thermo #1, LMS, L.F. Gas meter Operator: S. Smith

Barometric Pressure: 30.09 in.

Temperature: 24.9f 30.2°F

Ground Surface: Snow covered

Date: 1/15/02

Weather: Cloudy, breeze, cool

Notes:

1. % LEL as measured as Methane.
2. Other gases - detected gases other than % O₂ and % LEL as Methane.

ATTACHMENT C

Monthly Gas Monitoring Probe Reports

**Monthly Report
Gas Monitoring Probes
Stoughton City Landfill
BT² Project #1764**

Probe	%LEL (as Methane)	% Oxygen	% CO ₂	PID (ppm)	Gas Flow (m ³ /hr)	Pressure (inches H ₂ O)
GMP-1	0.4	20.8	0.4	1.0	2	0.2
GMP-2	0.4	20.6	0.2	0.6	2	0.0
GMP-3	0.4	20.8	0.2	0.4	2	0.2

Instruments Used: Telco PID (#1), LMS, Landfill Gas Meter

Operator: S. Smith Date: 1/15/02

Weather Data

Barometric Pressure: 30.09 in. Temperature: 30.2°F

Humidity: 74% Dewpoint: 24.8°F Wind: 8.1 mph west

Ground Surface: snow covered (2") Conditions: cloudy, breezy, cool

**Monthly Report
Gas Monitoring Probes
Stoughton City Landfill
BT² Project #1764**

Probe	%LEL (as Methane)	%Oxygen	%CO ₂	PID (ppm)	Gas Flow (m ³ /hr)	Pressure (inches H ₂ O)
GMP-1	0.6	20.5	0.4	0.6	2	0.0
GMP-2	0.4	20.7	0.3	0.8	2	0.0
GMP-3	0.4	20.6	0.2	0.4	2	0.0

Instruments Used: LMSx L.F. meter, Terno PID #1
 Operator: S. Smith Date: 12/13/01

Weather Data

Barometric Pressure: 29.94 inches Hg Temperature: 33°F
 Humidity: 86% Dewpoint: 27°F Wind: ~~6~~ 8 mph
 Ground Surface: wet, soft Conditions: cloudy, ~~clear~~, breezy, cool

Monthly Report
Gas Monitoring Probes
Stoughton City Landfill
BT² Project #1764

Probe	% LEL (as Methane)	% Oxygen	% CO ₂	PID (ppm)	Gas Flow (m ³ /hr)	Pressure (inches H ₂ O)
GMP-1	0.8	20.4	0.4	0.8	2	0.2
GMP-2	0.6	20.6	0.2	0.4	2	0.0
GMP-3	0.6	20.7	0.2	0.4	2	0.2

Instruments Used: Thermo PID, LMSx L.F. gas meter
 Operator: S. Smith Date: 11/21/01

Weather Data

Barometric Pressure: 29.77 inches Hg Temperature: 53.6°F
 Humidity: 75% Dewpoint: 29.5°F Wind: 6-10 mph
 Ground Surface: Dry, firm, no snow cover Conditions: Clear and nice

Start time = 12:30 pm

**Monthly Report
Gas Monitoring Probes
Stoughton City Landfill
BT² Project #1764**

Probe	%LEL (as Methane)	% Oxygen	% CO ₂	PID (ppm)	Gas Flow (m ³ /hr)	Pressure (inches H ₂ O)
GMP-1	0.3	20.5	0.0	0.6	2	0.05
GMP-2	0.4	20.5	0.0	1.0	2	0.0
GMP-3	0.4	20.4	0.0	0.2	2	0.0

Instruments Used: LMS, L.F. Gas meter, Thermo PID

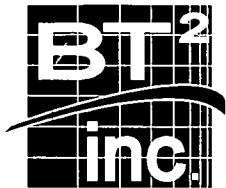
Operator: S. Smith Date: 10/31/01

Weather Data

Barometric Pressure: 29.86 in. Temperature: 62.6°F

Humidity: 70% Dewpoint: 42.8°F Wind: 17.3 mph

Ground Surface: Dry and low grass Conditions: clear



Stoughton City Lf
02-13-000 880

Environmental Engineering and Science

June 7, 2002

Mr. Michael Schmoller
WDNR South Central Region Office
3911 Fish Hatchery Road
Fitchburg, WI 53711



**SUBJECT: Tri-Annual Facility Inspection Report and
Semi-Annual Gas Monitoring Probe Report
Bid Item #2 and #11a
Stoughton City Landfill
FID # 113005950 - License #133
WDNR Purchase Order #NMB00000136
BT² Project #1764**

Dear Mr. Schmoller:

BT², Inc. has prepared the third of three facility inspection reports and the semi-annual gas monitoring probe report for the second year O&M at the Stoughton City Landfill site. Mr. Steven Smith of BT² inspected the site on May 24, 2002. The attached Inspection Report details the findings on that date. The Passive Gas Vent monitoring results for organic vapors and combustible gases were also completed on May 24, 2002. The monthly summaries of the monitoring of the three gas monitoring probes for February, March, April, and May are also included. Summaries of the facility inspection are as follows.

May 24, 2002 Inspection

The general site condition was good and the ground was dry and grass covered to approximately 6 inches. The main gate and the City-of-Stoughton-owned areas of the gravel road skirting the landfill to the south and southeast were in good condition with no obvious erosion problems. The gravel road providing access to the west of the site all the way to well cluster MW13 has been rebuilt by the City of Stoughton. The access gate to this road has been modified by the City of Stoughton Parks Department. A new padlock was also installed by the City of Stoughton Parks Department; a key was given to Mr. Smith. The Periodic Inspection Report is included as **Attachment A**.

Perimeter Security Fencing: The condition of the perimeter fence and both entrance gates was good. There was no evidence of vandalism at the site. The wooden fence planks were in good condition. The chain link fencing on both gates was in good working order. Both gate padlocks were cleaned and sprayed with WD-40.

Monitoring Wells and Wellhead Covers: There were no evident signs of tampering at any of the site monitoring wells. Monitoring well nest MW4 is now very close to the gravel road due to expansion of the road. Brush and grass around the wells and their bumper posts was cleared away.

Mr. Michael Schmoller
June 7, 2002
Page 2

Final Cover Vegetation and Slope: The ground surface had a cover of approximately six inches of grass and clover. No evidence of stressed vegetation or evidence of burrowing animals was observed on the cover.

Stormwater Drainage Channels: The storm water drainage channels were in good shape with no debris or blockages evident.

Landfill Gas Venting System: Gas vent pipes were inspected and found to be in good shape. The 21 passive gas vents were analyzed for percent LEL (as methane), percent oxygen, carbon dioxide, PID, and gas flow rate. The results are summarized on the Passive Gas Vent Report included as **Attachment B**.

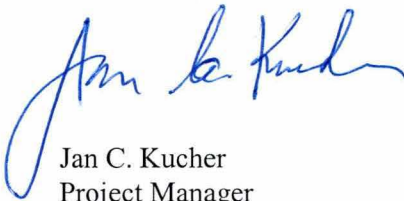
Access Gravel Roads: All access roads leading around the south edge of the landfill and to the various well nests were accessible and in good condition.

Monthly Gas Monitoring Probe results


The Gas Monitoring Probe monthly check includes percent LEL (as methane), percent oxygen, percent carbon dioxide, PID, gas flow rate, and well head pressure. Summaries of these reports are included as **Attachment C**.

A CD-ROM copy of the Facility Site Inspection Report is also enclosed containing a copy of this report and the attachments as a PDF file. Please call us at (608) 224-2830 if you have any questions.

Sincerely,
BT², Inc.



Jan C. Kucher
Project Manager



Steven B. Smith
Environmental Specialist

Attachments: CD-ROM
A - O&M Facility Inspection Report
B - Passive Gas Vent Monitoring Report
C - Monthly Gas Monitoring Probe Reports

I:\1764\Reports\FacilityReports\June2002\020607FacilityReport.wpd

ATTACHMENT A
O&M Facility Inspection Report

**Operation and Maintenance Periodic Inspection Report
Stoughton City Landfill
Stoughton, Wisconsin**

Inspector S. Smith
 Company BT² Inc.
 Project Stoughton City Luf
 Location Stoughton, WI
 Date/Time 5/24/02 09:30
 Project No. # 1764

Weather	<u>Overcast</u>	Clear	P. Cloudy	<u>Cloudy</u>	Fog
Temperature	<u>46°</u>	High	F	---	---
Wind	<u>ENE at 12 mph</u>	Calm	Medium	High	---
Precipitation	<u>None</u>	Rain	Light	Moderate	Heavy
		Snow	Light	Moderate	Heavy

Type of Inspection Routine Special

Persons/Equipment Present: S. Smith with the Tema PIV and the LMSx Landfill Gas Meter

General Description of Site Conditions: All inspected items in good condition

Specific Inspection Items	Potential Problem Areas	Status*	Notes
Perimeter Security Fencing	Broken boards/vandalism	1	Good condition, no fence damage
Entrance Gate and Locking Mechanism	Lock broken/missing, mechanism inoperative	1	Good condition, operates properly, sprayed lock with WD-40
Monitoring Wells and Wellhead Covers	Signs of tampering, casing damaged, lock missing or damaged	1	NO change, good condition
Final Cover Vegetation	Bare spots, stressed vegetation, deep-rooted vegetation	1	Good condition - bit 6-8" tall
Final Cover Slope (explain below)	Gullies, lack of vegetation, subsidence, ponding	1	NO ponding or gullies
Evidence of Burrowing Animals	Damage to final cover, evidence of waste	1	NO evidence
Stormwater Drainage Channels	Gullies, erosion, debris, culvert blocked	1	culverts clear, good condition
Landfill Gas Venting System	Damaged vent risers, stressed vegetation	1	Good condition
Access Road	Ponding, rutting, erosion	1	Rebuilt

*(1) Acceptable - No Maintenance Required. (2) Not Acceptable - Identify Required Maintenance.

Summary of Deficiencies and/or Corrective Actions: None

Signature of Inspector Steven Smith
 Date 5/24/02

ATTACHMENT B

Passive Gas Vent Monitoring Report

Operation and Maintenance Report
Passive Gas Vent Monitoring
Stoughton City Landfill / BT² Project #1764

Probe	% LEL	% Oxygen	PID (ppm)	Gas Flow (m ³ /hr) cfm	Other Gasses
GV-1	0.0	21.0	15.4	1	
GV-2	0.0	20.8	0.0	2	
GV-3	0.2	20.6	0.0 19.0	1	
GV-4	0.0	20.8	0.2	1	
GV-5	0.0	20.7	0.0	1	
GV-6	0.0	20.8	0.0	1	
GV-7	0.0	20.8	0.6	2	
GV-8	0.2	20.5	9.9	1	
GV-9	0.0	20.9	0.0	1	
GV-10	2.1	20.2	0.8	2	CO ₂ = 1.8%
GV-11	0.1	20.7	0.5	1	
GV-12	0.4	20.2	4.9	0	
GV-13	13.3	10.1	1.9	2	CO ₂ = 15.1%
GV-14	0.0	20.8	0.5	1	
GV-15	0.0	20.8	0.0	1	
GV-16	5.1	20.1	0.5	1	
GV-17	0.0	20.8	0.0	1	
GV-18	0.0	20.7	0.9	2	
GV-19	0.0	20.9	0.0	1	
GV-20	0.0	20.7	0.0	0	
GV-21	0.1	20.8	0.0	1	

PID Thermo PID # 2

Operator: S. Smith

Barometric Pressure: 30.09 in

Temperature: 46°F

Ground Surface: Dry and grass covered

Date: 5/24/02

Weather: overcast

Notes:

1. % LEL as measured as Methane.
2. Other gases - detected gases other than % O₂ and % LEL as Methane.

ATTACHMENT C

Monthly Gas Monitoring Probe Reports

Monthly Report
Gas Monitoring Probes
Stoughton City Landfill
BT² Project #1764

Probe	% LEL (as Methane)	% Oxygen	% CO ₂	PID (ppm)	Pressure (inches H ₂ O)
GMP-1	0.4	20.2	0.2	7.0	0.0
GMP-2	0.2	20.4	0.0	0.9	0.0
GMP-3	0.2	20.7	0.0	17.2	0.0

Instruments Used: Thermo PID, LMSx Landfill Gas meter
 Operator: S. Smith Date: 5/24/02

Weather Data

Barometric Pressure: 30.09 in. Temperature: 46° F
 Humidity: 87% Dewpoint: 43° F Wind: ENE at 10 mph
 Ground Surface: Dry and grass covered Conditions: Overcast

**Monthly Report
Gas Monitoring Probes
Stoughton City Landfill
BT² Project #1764**

Probe	% LEL (as Methane)	% Oxygen	% CO ₂	PID (ppm)	Gas Flow (m ³ /hr)	Pressure (inches H ₂ O)
GMP-1	0.4	20.4	0.2	1.1	1	0
GMP-2	0.4	20.5	0.0	0.8	1	0
GMP-3	0.0	20.7	0.0	0.4	0	0

Instruments Used: Thermo PID #1, LMS Landfill Gas Meter

Operator: S. Smith Date: 4/23/02

Weather Data

Barometric Pressure: 30.06 Temperature: 57° F

Humidity: 55% Dewpoint: 41° F Wind: 10.0 mph

Ground Surface: Dry with some mud Conditions: Clear, ~~B~~ windy

**Monthly Report
Gas Monitoring Probes
Stoughton City Landfill
BT² Project #1764**

Probe	% LEL (as Methane)	% Oxygen	% CO ₂	PID (ppm)	Gas Flow (m ³ /hr)	Pressure (inches H ₂ O)
GMP-1	0.0	21.3	0.0	0.7	0	0
GMP-2	0.0	19.2	0.7	2.7 0.3	1	0
GMP-3	0.2	19.1	0.4	1.9	1	0

Instruments Used: Thermo PID (+); LMS_x Landfill Gas Meter
 Operator: S. Smith Date: 3/20/02

Weather Data

Barometric Pressure: 30.12 inches Temperature: 37.4°F
 Humidity: 81% Dewpoint: 31.6° Wind: 7.73
 Ground Surface: No snow, fairly damp Conditions: Cloudy, calm

**Monthly Report
Gas Monitoring Probes
Stoughton City Landfill
BT² Project #1764**

Probe	% LEL (as Methane)	% Oxygen	% CO ₂	PID (ppm)	Gas Flow (m ³ /hr)	Pressure (inches-H ₂ O)
GMP-1	0.2	20.8	0.2	0.6	1	0.0
GMP-2	0.2	20.7	0.0	0.8	1	0.0
GMP-3	0.3	20.8	0.4	0.4	1	0.0

Instruments Used: Thermo PID #1, LMS L.F. Gas meter

Operator: S. Smith Date: 2/26/02

Weather Data

Barometric Pressure: 29.83 in Temperature: 24.8°F

Humidity: 86% Dewpoint: 17.6°F Wind: 11.5-19.6 mph

Ground Surface: snow cover Conditions: Snowy, windy