

Appendix A – Technical Standards and Safety Authority Inspection Report completed May 29, 2013.



TECHNICAL STANDARDS
and SAFETY AUTHORITY

14th Floor, Centre Tower
3300 Bloor Street West
Toronto, Ontario M8X 2X4
Toll free 1-877-682-8772
Fax (416) 231-1626
www.tssa.org

FS Inspection Report

Service Request #	1108740
Inspection Report #	4490043

Inspection Address: 1260 BENSFORT RD PETERBOROUGH;ON CA K9J 6X7	Reference Number(s): 	Inspection Completion Date: MAY 29, 2013
	Facility Type:	Equipment Type:
Customer Name and Address: THE CORPORATION OF THE CITY OF PETERBOROUGH 500 GEORGE ST PETERBOROUGH;ON CA K9H 3R9	Task Type: FS-Unscheduled Inspect The facility/equipment is inspected in accordance with Ontario's Technical Standards & Safety Act and the appropriate regulations and codes. When an Inspector's order is issued, time limits for compliance reflect the severity of the violation and serve to avoid disruption of service.	

Orders Issued To: Peterborough County / City Waste Management Facility and Craig Simmons

Line	Reference and Order(s)	Compliance Date
65108 3-1	Technical Standards and Safety Act. 14 (1) - Safety orders A director may give a safety order to any person or class of persons with respect to any matter governed by this Act that pertains to safety. 2000, c. 16, s. 14 (1). 1) Inspectors Orders issued today May 29, 2013: You are hereby ordered to comply with the B149.6 11, Code for Digester Gas and Landfill Gas Installations, section 16.1.1, within the specified compliance date and ensure that the Waste Gas Burner (John Zink, Model ZTOF5 X 40; Serial 924763) has been approved by the authority having jurisdiction, as per code requirements (Subsequently reference B105 M93 Code, Section-15.1.1) There is no evidence to indicate that the John Zink Waste Gas Burner, Model ZTOF5 X 40; Serial 924763, has any approval as per the Code for Digester Gas and Landfill Gas Installations (B149.6 11; section 16.1.1) 16.1.1 An appliance utilizing landfill gas only, dual fired, or in combination with natural gas, propane, or fuel oil shall be approved by the authority having jurisdiction for the application.	AUG 30, 2013
65108 3-2	Technical Standards and Safety Act. 14 (1) - Safety orders A director may give a safety order to any person or class of persons with respect to any matter governed by this Act that pertains to safety. 2000, c. 16, s. 14 (1). 2) Inspectors Orders issued today May 29, 2013: You are hereby ordered to comply with the B149.6 11, Code for Digester Gas and Landfill Gas Installations, section 22, (22.1.1) within the specified compliance date and ensure all of the sub sections related to Section 22 have been updated and are in compliance with code requirements (Subsequently reference B105 M93 Code, section 21.1.1) Evidence indicates that subsections of Section 22 for the Code for Digester Gas and Landfill Gas Installations (B149.6.11) are not in compliance. 22.1.1 The owner of an operating landfill gas system shall develop a set of operating and maintenance procedures based on experience and knowledge of the system and the conditions under which it is operated. The procedures shall be acceptable to the authority having jurisdiction.	AUG 30, 2013
65108 3-3	Technical Standards and Safety Act. 14 (1) - Safety orders A director may give a safety order to any person or class of persons with respect to any matter governed by this Act that pertains to safety. 2000, c. 16, s. 14 (1). 3) Inspectors Orders issued today May 29, 2013: You are hereby ordered to comply with the B149.6 11, Code for Digester Gas and Landfill Gas Installations, section 16.4.1.7, within the specified compliance date and ensure the	AUG 30, 2013
Customer Signature & Position / Date:		Inspector Name: Janes, Anthony
		Inspector Contact Number: 905-986-1251
Report Received By: Peterborough County / City Waste Management Facility and Craig Simmons (e-mail / Canada Post)	Customer Contact Number: 705 742 7777 Ext. 2152	Inspector Email: AJanes@tssa.org
		Inspector Fax: 905-986-1358

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	distance from the Waste Gas Burner to the fence being utilized is within code requirements. (Subsequently reference B105 M93 Code, Section 15.4.7) Evidence indicates that the Waste Gas Burner is located inside a fence with less than 7.5 meters from the fence as indicated in the Code for Digester Gas and Landfill Gas Installations (B149.6 11; section 16.4.1.7) Note: The public enter the facility to dispose of waste. 16.4.1.7 When a waste gas burner stack is accessible to the public, safety fencing shall be provided not less than 7.5 m horizontally from the stack	
65108 3-4	CAN/CSA-B149.1-10 Natural Gas and Propane Installation Code, 5.2.2.3 A regulator installed outdoors or in an unheated area shall be positioned so that the bonnet vent opening discharges vertically downward, except that (a) when installed within a container dome, the vent opening shall be positioned downward not less than 15" from the horizontal; and (b) a single-stage regulator of a capacity not exceeding 150 000 Btu h (45 kW) may be installed in a horizontal position, provided that it is protected from inclement weather. 4) Inspectors Orders issued today May 29, 2013: You are hereby ordered to comply with the B149.1 10, Natural Gas and Propane Installation Code, section 5.2.2.3, within the specified compliance date and ensure that the vent termination for the pilot regulator terminates in a location as per code requirements. . Evidence indicates that the Waste Gas Burner Pilot regulator vent line does not terminate in a downward direction as per the Natural Gas and Propane Installation Code (B149.1 10; section 5.2.2.3)	AUG 30, 2013
65108 3-5	CAN/CSA-B149.2-10 Propane Storage and Handling Code, 6.7.2 Except as permitted in Clauses 6.5, 6.7.3, 10, and 11.9(b) of this Code and Clause 5.2.2 of CAN/CSA-B149.5, a cylinder shall be installed outside a building, with the discharge from the cylinder relief valve not less than (a) 3 ft (1 m) on a horizontal plane from any building opening when the opening is below the level of the relief valve discharge; (b) 10 ft (3 m) on a horizontal plane from the air intake of any appliance or air-moving equipment; and (c) 10 ft (3 m) on a horizontal plane from any source of ignition. Items (b) and (c) shall not apply to an appliance when the cylinder retention means is incorporated and certified as part of the appliance. 5) Inspectors Orders issued today May 29, 2013: You are hereby ordered to comply with the B149.2 10, Propane Storage and handling Code, section 6.7.2, within the specified compliance date and ensure that the distances from a source of ignition to the propane cylinders, being utilized for the Waste Gas Burner pilot, is compliant as per code requirements.	AUG 30, 2013

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Customer Name and Address: THE CORPORATION OF THE CITY OF PETERBOROUGH 500 GEORGE ST PETERBOROUGH;ON CA K9H 3R9	Task Type: FS-Unscheduled Inspect The facility/equipment is inspected in accordance with Ontario's Technical Standards & Safety Act and the appropriate regulations and codes. When an Inspector's order is issued, time limits for compliance reflect the severity of the violation and serve to avoid disruption of service.

	Evidence indicates that the Waste Gas Burner is utilizing Propane cylinders for the pilot which, are located less than 10 feet (3m) from an electrical panel disconnect / transformer, reference the Propane Storage and Handling Code (B149.2 10; section 6.7.2)	
65108 3-6	Technical Standards and Safety Act. 14 (1) - Safety orders A director may give a safety order to any person or class of persons with respect to any matter governed by this Act that pertains to safety. 2000, c. 16, s. 14 (1). 6) Inspectors Orders issued today May 29, 2013: You are hereby ordered to comply with the B149.6 11, Code for Digester Gas and Landfill Gas Installations, section 18.3.1.1, within the specified compliance date and supply supporting documentation to ensure the Stainless Steel piping being utilized is 316L or replace the Stainless Steel with material which meets code requirements (Subsequently reference B105 M93 Code; section 17.3.1.1) Evidence indicates that there is Stainless Steel welded piping being utilized above ground to the Waste Gas Burner with no evidence of the piping being 316L stainless steel as required by the Code for Digester Gas and Landfill Gas Installations (B149.6. 11; section 18.3.1.1) 18.3.1.1 When stainless steel pipe and fittings are used, they shall be made of Type 316 stainless steel, except that when field welding is required, Type 316L shall be used.	AUG 30, 2013
65108 3-7	Technical Standards and Safety Act. 14 (1) - Safety orders A director may give a safety order to any person or class of persons with respect to any matter governed by this Act that pertains to safety. 2000, c. 16, s. 14 (1). 7) Inspectors Orders issued today May 29, 2013: You are hereby ordered to comply with the B149.6 11, Code for Digester Gas and Landfill Gas Installations, section 18.8.4, within the specified compliance date and supply supporting documentation with reference to the two manual valves being utilized on the Landfill Gas Piping System or replace the valve with valves which meet code requirements (Subsequently reference B105 M93 Code, Section 17.8.3) Evidence indicates that there are two Manual valves being utilized on the Landfill Gas Piping to the Waste Gas Burner with no evidence of certification or suitability for use (B149.6 11; section 18.8.4) 18.8.4 Non-lubricated valves up to 6 NPS (152 mm) in diameter shall be approved to CGA 3.16. Larger valves shall be gear operated.	AUG 30, 2013
65108 3-8	Technical Standards and Safety Act. 14 (1) - Safety orders A director may give a safety order to any person or class of persons with respect to any matter governed by this Act that pertains to safety. 2000, c. 16, s. 14 (1).	AUG 30, 2013

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		Inspector Fax: 905-986-1358

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Customer Name and Address: THE CORPORATION OF THE CITY OF PETERBOROUGH 500 GEORGE ST PETERBOROUGH;ON CA K9H 3R9	Facility Type: 	Equipment Type:
Task Type: FS-Unscheduled Inspect		The facility/equipment is inspected in accordance with Ontario's Technical Standards & Safety Act and the appropriate regulations and codes. When an Inspector's order is issued, time limits for compliance reflect the severity of the violation and serve to avoid disruption of service.

	8) Inspectors Orders issued today May 29, 2013: You are hereby ordered to comply with the B149.6 11, Code for Digester Gas and Landfill Gas Installations, section 16.2.2.1, within the specified compliance date and ensure that the Automatic SSOV being utilized for the Landfill Gas System has a positioning indicator and a manual re set function as required by code. (Subsequently reference B105 M93 Code; Section 15.2.2.1) Evidence indicates that the System is utilizing only one (1) Automatic SSOV with no evidence of positioning indicator or manual re set function as per the Code for Digester Gas and Landfill Gas Installations (B149.6 11; section 16.2.2.1) 16.2.2.1 An automatic safety shut-off valve certified to ANSI Z21.21/CSA 6.5 and marked C/I and suitable for use with landfill gas shall be provided to shut off the gas supply to the appliance when the pressure drops below the setting of the low-gas-pressure safety cut-off switch. The valve shall be installed so that the invert does not allow accumulation of moisture and debris and shall be: (a) Installed upstream of the appliance; (b) Interlocked with the blower, if the blower is dedicated to the appliance; (c) Equipped with a visual valve position indicator; (d) Equipped with a mandatory manual reset function to open	
65108 3-9	Technical Standards and Safety Act. 14 (1) - Safety orders A director may give a safety order to any person or class of persons with respect to any matter governed by this Act that pertains to safety. 2000, c. 16, s. 14 (1). 9) Inspectors Orders issued today May 29, 2013: You are hereby ordered to comply with the B149.6 11, Code for Digester Gas and Landfill Gas Installations, section 18.7.2, within the specified compliance date and ensure that the Stainless Steel Landfill Gas Piping which is being utilized for the Landfill Gas System above ground is identified as per code requirements. (Subsequently reference B105 M93 Code; Section 17.7.2) Evidence indicates that the System is utilizing Stainless Steel Landfill Gas Piping above ground which is not identified as per the Code for Digester Gas and Landfill Gas Installations (B149.6 11; section 18.7.2) 18.7.2 All gas piping, tubing, fittings, and controls shall be painted or color coded with high visibility Yellow orange paint. Each system of piping shall be labeled, at least every linear 10 ft (3 m), and at every change in direction, with the name of the gas being transported and the direction of flow.	AUG 30, 2013
65108 3-10	CAN/CSA-B149.1-10 Natural Gas and Propane Installation Code. 5.3 Except as specified in Clauses 5.2.2.4 and 5.2.3, when a line pressure regulator is not equipped with an internal	AUG 30, 2013

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	relief device, it shall have immediately downstream an overpressure protection device or a line relief device as required in Clause 5.2.1.5(b), with a discharge setting of either (a) not less than 2 times and not more than 3 times the delivery pressure on systems operating up to 5 psig (35 kPa); or (b) not less than 1.5 times and not more than 2 times the delivery pressure on systems operating at more than 5 psig (35 kPa). The relieving pressure setting of the line relief device shall be not higher than that of the lowest-rated component or accessory located downstream. 10) Inspectors Orders issued today May 29, 2013: You are hereby ordered to comply with the B149.1 10, Natural Gas and Propane Installation Code, section 5.3, within the specified compliance date and ensure that the downstream components on the pilot fuel train are protected as per code requirements. Evidence indicates that the Landfill Gas System is utilizing a propane gas pilot solenoid valve rated for 50 psi, the propane supply pressure is regulated to 140 psi from the propane cylinders; no evidence of protection for downstream components as per the Natural Gas and Propane Installation Code (B149.1 10; section 5.3)	
65108 3-11	Technical Standards and Safety Act. 14 (1) - Safety orders A director may give a safety order to any person or class of persons with respect to any matter governed by this Act that pertains to safety. 2000, c. 16, s. 14 (1). 11) Inspectors Orders issued today May 29, 2013: You are hereby ordered to comply with the B149.6 11, Code for Digester Gas and Landfill Gas Installations, section 18.9.3, within the specified compliance date and ensure that the manual valve for drain line on the Landfill Gas piping supplying the Waste Gas Burner, has incorporated a union at the required location as per code requirements. (Subsequently reference B105 M93 Code, Section 17.9.3) Evidence indicates that the System is utilizing a manual valve for a drain line (drip trap) on the Landfill Gas Piping supplying the Waste Gas Burner; there is no evidence of a union being located as per the Code for Digester Gas and Landfill Gas Installations (B149.6 11; section 18.9.3) 18.9.3 Each drain line connected to a manual-type drip trap shall be fitted with a manual ball or plug type shut off valve upstream from a union.	AUG 30, 2013
65108 3-12	Technical Standards and Safety Act. 14 (1) - Safety orders A director may give a safety order to any person or class of persons with respect to any matter governed by this Act that pertains to safety. 2000, c. 16, s. 14 (1).	MAY 30, 2013

Customer Signature & Position / Date:		Inspector Name: Janec, Anthony	Inspector Contact Number: 905-986-1251
Report Received By: Peterborough County / City Waste Management Facility and Craig Simmons (e-mail / Canada Post)	Customer Contact Number: 705 742 7777 Ext. 2152	Inspector Email: AJanec@tssa.org	Inspector Fax: 905-986-1358

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12] Inspectors Orders issued today May 29, 2013: You are hereby ordered to comply with the B149.6 11, Code for Digester Gas and Landfill Gas Installations, section 14.3.1, within the specified compliance date and ensure that any future work being performed on the equipment which is utilizing Landfill gas (Waste Gas Burner / components / Piping) is done so by qualified personnel licensed as required by the Authority Having Jurisdiction for that fuel (TSSA) (Subsequently reference B105 M93 Code, Section 13.3.1) Evidence indicates that system maintenance was being performed on the Landfill Gas System however there is no evidence of a certified technician performing this maintenance on the Landfill Gas System as per the Code for Digester Gas and Landfill Gas Installations (B149.6 11; section 14.3.1) 14.3.1 All work on installed on line appliances or equipment utilizing or handling landfill gas shall be performed by qualified personnel licensed as required by the authority having jurisdiction.	
65108 3-13 Technical Standards and Safety Act, 14 (1) - Safety orders A director may give a safety order to any person or class of persons with respect to any matter governed by this Act that pertains to safety. 2000, c. 16, s. 14 (1). 13] Inspectors Orders issued today May 29, 2013: You are hereby ordered to comply with the B149.6 11, Code for Digester Gas and Landfill Gas Installations, section 18.3.2.1, within the specified compliance date and supply supporting documentation for the "Old Well Heads" confirming code compliance or replace the "Old Well Heads" with material which meets code requirements. (Subsequently reference B105 M93 Code Section 17.3.2.1) Inspection of Well Heads (old ones / new ones) found that the new well heads references the CAN / CSA B137.3; inspection of the piping for the old well heads do not reference standards as specified in the Code for Digester Gas and Landfill Gas Installations (B149.6 11; section 18.3.2.1) 18.3.2.1 Plastic pipe and fittings shall be made of polyethylene or glass fibre reinforced thermosetting resin or polyvinyl chloride (PVC) and be approved to the CAN/CSAB137.3 or CAN/CSA B137.4, or comply with API 15LE and ASTM D2996. The use of PVC and API 15LE pipes and fittings are restricted as follows: (a) PVC pipes and fittings: If it is to be installed above ground inside the landfill area and upstream, on the vacuum side of the LFG system, the TSSA must be notified by way of a letter from a Professional Engineer. The letter must identify the type of piping used, state that such piping is suitable to transport landfill gas under the temperatures and pressures to which it will be exposed and certify that it is resistant to ultraviolet degradation;	AUG 30, 2013

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(b) API 15LE pipes and fittings: If it is to be installed upstream, on the vacuum side of the LFG system, the TSSA must be notified by way of a letter from a Professional Engineer. The letter must identify the type of piping used, the SDR, and state that it is suitable to transport landfill gas under all temperatures and pressures to which it will be exposed.	
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Task Notes

Arrived on site May 28, 2013 for inspection of the Peterborough County / City Waste Management Facility, located at 1260 Bensfort Rd. Peterborough, ON. Met on site with Craig Simmons, coordinator of waste operations for the City of Peterborough and also with Bob Barry

Reviewed Inspection / Audit procedure with Craig Simmons and proceeded with review of the Landfill Site with respect to the Extraction System and the Waste Gas Burner as per section 22 (Operation and Maintenance of Landfill Gas Systems) of the Code for Digester Gas and Landfill Gas Installations.

The following sections were referenced

- 22.1.1 = No ☐ will implement
- 22.1.2 = Yes ☒ daily inspection sheets
- 22.2.1 = Yes ☒ annual inspection for gas piping / flame arrester (daily visual inspection)
- 22.2.2 = Yes ☒ annual inspection for gas piping / flame arrester (daily visual inspection)
- 22.2.3 = Yes ☒ will implement into Operation and Maintenance Manual
- 22.3.1 = Yes ☒ kept on laptop (electronic)
- 22.3.2 = No ☐ will implement into Operation and Maintenance Manual
- 22.4.1 = Yes ☒ not documented
- 22.4.2 = No ☐ will implement
- 22.4.3 = Yes ☒ will implement into Operation and Maintenance Manual
- 22.4.4 = No ☐ will implement into Operation and Maintenance Manual
- 22.5.1 = Yes ☒ annual inspection reports
- 22.5.2 = Yes ☒ annual inspection reports
- 22.6.1 = Yes ☒ no documentation
- 22.7.1 = Yes ☒ no documentation
- 22.7.2 = Yes ☒ no documentation
- 22.8.1 = Yes ☒ third party contractors/ reports supplied
- 22.8.2 = No ☐ will implement into Operation and Maintenance Manual
- 22.8.3 = No ☐ will implement into Operation and Maintenance Manual
- 22.9 = N/A

Customer Signature & Position / Date:	Inspector Name: Janes, Anthony	Inspector Contact Number: 905-986-1251
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Proceeded with review of the "Work Instructions" Flares for Waste Gas Engineering Review document (IFSD 004) with Craig Simmons and Bob Barry

Proceeded with site inspection of the Extraction System and the John Zink Waste Gas Burner, Model ZTOF5 X 40; Serial 924763.

During inspection of the John Zink Waste Gas Burner the following was noted:

No evidence of approval as per the Code for Digester Gas and Landfill Gas Installations (B149.6 11; section 16.1.1)

Note: The following was confirmed:

Purges with modulating louvers "open"

Flexible hose utilized on pilot line, no evidence of approval

Flame arrester located on Landfill Gas piping at flare

Temperature sensor located at flame arrester (no thermal valve)

Only one automatic valve (upstream of blower)

No low gas pressure switch

No high gas pressure switch

Manual valve upstream and downstream of blower (no evidence of approval)

Pilot utilizing propane gas

No evidence of manual valve being utilized on pilot line being certified

5 minute pre purge

Trial for ignition approx. 10 seconds

Ignition remains on for approx. 2.5 minutes

Flame failure response time 4 seconds

Direct spark ignition test (OK)

Air switch tested (OK)

High temperature limit tested (OK)

Blower sequencing sensor tested (OK)

Flame Failure Alarm tested (OK)

5 seconds for flame to extinguish after unit was shut down.

No immediate hazards were identified with respect to the operation of the John Zink Waste Gas Burner Model ZTOF5 X 40; Serial 924763, at this time.

The Waste Gas Burner is located inside a fence with less than 7.5 meters from the fence as indicated in the Code for Digester Gas and Landfill Gas Installations (B149.6 11; section 16.4.1.7)

Customer Signature & Position / Date:	Inspector Name: Janes, Anthony	Inspector Contact Number: 905-986-1251
Report Received By: Peterborough County / City Waste Management Facility and Craig Simmons (e-mail / Canada Post)	Customer Contact Number: 705 742 7777 Ext. 2152	Inspector Email: AJanes@tssa.org
		Inspector Fax: 905-986-1358

As a not for-profit regulatory authority, TSSA operates on a cost recovery basis. An Invoice will be issued for the Total Charges Incurred.
(Note: This is not an invoice)

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**TECHNICAL STANDARDS
and SAFETY AUTHORITY**

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3300 Bloor Street West
Toronto, Ontario M8X 2X4
Toll free 1-877-682-8772
Fax (416) 231-1626
www.tssa.org

FS Inspection Report

Service Request #	1108740
Inspection Report #	4490043

Inspection Address: 1260 BENSFORT RD PETERBOROUGH;ON CA K9J 6X7	Reference Number(s):	Inspection Completion Date: MAY 29, 2013
	Facility Type:	Equipment Type:
Customer Name and Address: THE CORPORATION OF THE CITY OF PETERBOROUGH 500 GEORGE ST PETERBOROUGH;ON CA K9H 3R9	Task Type: FS-Unscheduled Inspect	The facility/equipment is inspected in accordance with Ontario's Technical Standards & Safety Act and the appropriate regulations and codes. When an Inspector's order is issued, time limits for compliance reflect the severity of the violation and serve to avoid disruption of service.

The Waste Gas Burner Pilot regulator vent line does not terminate in a downward direction as per the Natural Gas and Propane Installation Code (B149.1 10; section 5.2.2.3)

The Waste Gas Burner is utilizing Propane cylinders for the pilot which, are located less than 10 feet (3m) from an electrical panel disconnect / transformer, reference the Propane Storage and Handling Code (B149.2 10; section 6.7.2)

Inspection of the Extracting System and piping concluded the following:

Stainless Steel welded piping being utilized above ground to the Waste Gas Burner with no evidence of the piping being 316L stainless steel as required by the Code for Digester Gas and Landfill Gas Installations (B149.6 11; section 18.3.1.1)

Two Manual valves being utilized on the Landfill Gas Piping to the Waste Gas Burner with no evidence of certification or suitability for use (B149.6 11; section 18.8.4)

The System is utilizing only one (1) Automatic SSOV with no evidence of positioning indicator or manual re set function as per the Code for Digester Gas and Landfill Gas Installations (B149.6 11; section 16.2.2.1)

The System is utilizing Stainless Steel Landfill Gas Piping above ground which is not identified as per the Code for Digester Gas and Landfill Gas Installations (B149.6 11; section 18.7.2)

The System is utilizing a propane gas pilot solenoid valve rated for 50 psi / pressure regulated to 140 psi from propane cylinders; no evidence of protection for downstream components as per the Natural Gas and Propane Installation Code (B149.1 10; section 5.3)

The System is utilizing a manual valve for a drain line on the Landfill Gas Piping supplying the Waste Gas Burner; there is no evidence of union being located as per the Code for Digester Gas and Landfill Gas Installations (B149.6 11; section 18.9.3)

Customer Signature & Position / Date:	Inspector Name: Janes, Anthony	Inspector Contact Number: 905-986-1251
Report Received By: Peterborough County / City Waste Management Facility and Craig Simmons (e-mail / Canada Post)	Customer Contact Number: 705 742 7777 Ext. 2152	Inspector Email: AJanes@tssa.org
		Inspector Fax: 905-986-1358

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Service Request #	1108740
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Inspection Address: 1260 BENSFORT RD PETERBOROUGH;ON CA K9J 6X7	Reference Number(s): 	Inspection Completion Date: MAY 29, 2013
	Facility Type:	Equipment Type:
Customer Name and Address: THE CORPORATION OF THE CITY OF PETERBOROUGH 500 GEORGE ST PETERBOROUGH;ON CA K9H 3R9	Task Type: FS-Unscheduled Inspect The facility/equipment is inspected in accordance with Ontario's Technical Standards & Safety Act and the appropriate regulations and codes. When an Inspector's order is issued, time limits for compliance reflect the severity of the violation and serve to avoid disruption of service.	

System maintenance was indicated as to being performed on the Landfill Gas System however there is no evidence of a certified technician performing this maintenance on the Landfill Gas System as per the Code for Digester Gas and Landfill Gas Installations (B149.6 11; section 14.3.1)

Inspection of Well Heads (old ones / new ones) found that the new well heads references the CAN / CSA B137.3; inspection of the piping for the old well heads do not reference standards as specified in the Code for Digester Gas and Landfill Gas Installations (B149.6 11; section 18.3.2.1)

Conclusion:

Inspection of the Peterborough County / City Waste Management Facility, located at 1260 Bensfort Rd. Peterborough, ON, is not complete; no immediate hazards were identified during inspection of the facility conducted on May 28, 2013.

Please refer to Inspectors Orders with respect to the noted deficiencies regarding conditions and compliance dates.

NOTE:

If the attached Fuel Safety Inspectors Orders cannot meet compliance within the time limit specified on the Order, an Approved Variance from TSSA issued within the compliance date of the Inspectors Order will also deem these Inspectors Orders to be in compliance. If such Variance is granted all conditions outlined in that Variance shall be adhere to.

Inspection Note Complete.

Pursuant to my authority under Section 21 of the Technical Standards and Safety Act, 2000, you are hereby ordered to comply with the above Inspectors Orders. Cost recovery fees will be billed according to TSSA billing policy and Technical Standards & Safety Act / 2000, Section 19 (1). Every person shall,

- (a) furnish all necessary means in his or her power to facilitate any entry, inspection, examination, test or inquiry by an inspector in the exercise of his or her powers and the carrying out of his or her duties; and
- (b) pay the fees required by the designated administrative authority for an inspection, examination, test or inquiry under clause (a). 2000, c. 16, s. 19 (1).

Inspector's instructions/orders are issued under the authority of Ontario's Technical Standards and Safety Act. Anyone who fails to carry out an inspector's order/instruction is guilty of an offence. Conviction as an individual carries fines up to \$50,000 or a prison term of up to one year or both. Conviction as a corporation carries fines up to \$1,000,000. (Technical Standards and Safety Act, 2000 / 37(1)(d)). You may appeal an inspector's order/instruction, but an order/instruction remains in effect during the appeal process. Appeals may be made to the Technical Standards and Safety Authority at the address shown above. (Technical Standards and Safety Act, 2000 / 22(1)).

Customer Signature & Position / Date:		Inspector Name: Janes, Anthony	Inspector Contact Number: 905-986-1251
Report Received By: Peterborough County / City Waste Management Facility and Craig Simmons (e-mail / Canada Post)	Customer Contact Number: 705 742 7777 Ext. 2152	Inspector Email: AJanes@tssa.org	Inspector Fax: 905-986-1358

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FS Inspection Report

Service Request #	1108740
Inspection Report #	4490043

Inspection Address: 1260 BENSFORT RD PETERBOROUGH;ON CA K9J 6X7	Reference Number(s):	Inspection Completion Date: MAY 29, 2013
	Facility Type:	Equipment Type:
Customer Name and Address: THE CORPORATION OF THE CITY OF PETERBOROUGH 500 GEORGE ST PETERBOROUGH;ON CA K9H 3R9	Task Type: FS-Unscheduled Inspect	
	The facility/equipment is inspected in accordance with Ontario's Technical Standards & Safety Act and the appropriate regulations and codes. When an Inspector's order is issued, time limits for compliance reflect the severity of the violation and serve to avoid disruption of service.	

Billing applied as per Technical Standards and Safety Act / 2000, Section 19 and TSSA billing policy.

**** NOTE****

Contact Inspector Anthony Janes at 905 986 1251, on or before compliance date to ensure compliance and or re inspection of site.

Customer Signature & Position / Date:		Inspector Name: Janes, Anthony	Inspector Contact Number: 905-986-1251
Report Received By: Peterborough County / City Waste Management Facility and Craig Simmons (e-mail / Canada Post)	Customer Contact Number: 705 742 7777 Ext. 2152	Inspector Email: AJanes@tssa.org	Inspector Fax: 905-986-1358

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NOTE: You can now fill and save the DATA you entered on this form using free Adobe Reader (version 7 or 8)



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E-mail: tssubmissions@tssa.org

Application for a Variance/Deviation

Technical and Standards and Safety Act
Fuels Safety Regulation

Clear Form

Print Form

Print form on Legal (8 1/2" x 14")

Please submit completed application and supporting documentation by mail, fax, or e-mail (in pdf format). Making a false statement may result in a fine or prosecution.			For Office Use Only	
Check applicable box(es)			FS Stamp	
☐ Bio-Gas	☐ Gasoline	☐ Propane		
☐ Fuel	☐ Landfill	☐ Other		
☐ Oil	☐ Natural Gas			
Code: _____ Section: _____				
Is this a field development project? ☐ Yes ☐ No				
Equipment/Appliance/Component involved				
Make	Model	Serial No.	Intake Stamp	
Variance Description				

Legal Disclaimer - The owner agrees to hold harmless the Technical Standards and Safety Authority, its employees, agents, successors and assigns from any and all damages, actions, suits, claims or loss arising from the use, approval or refusal to approve of the appliance, equipment or work to which this approval applies. In the event of claims made against TSSA arising from the use of the appliance, equipment or work the owner accepts, on demand to defend such actions on behalf of TSSA and to assume any costs legal or otherwise for the defence or settlement of such claims. Failure to comply with any of the terms and conditions of the approval voids the approval.

A. Owner of Appliance, Equipment or Installation		B. Invoicee Same as: ☐ A ☐ C ☐ D (Person/Company responsible for fees invoiced for approval including engineering and inspection fees.)	
Person/Company Name		Person/Company Name	
Street Name / 911 Number/Address if applicable		Street Name / 911 Number/Address if applicable	
Unit/Suite	PO Box	Unit/Suite	PO Box
City/Town	Province/State	City/Town	Province/State
Postal/Zip Code	Country	Postal/Zip Code	Country
Telephone No.	Fax No.	Telephone No.	Fax No.
E-mail	Cell No.	E-mail	Cell No.
Print Name of Contact Person		Print Name of Contact Person	
Signature of Contact Person Please Print & Sign before returning to TSSA		Signature of Contact Person Please Print & Sign before returning to TSSA	
C. Location Address Same as: ☐ A ☐ B ☐ D (Where variance is to be inspected.) (Note this must be a delivery or fire route address.)		D. Technical Contact Same as: ☐ A ☐ B ☐ C (Company/Person we should communicate with regarding Engineering and inspection of the approval on behalf of the owner.)	
Person/Company Name		Person/Company Name	
Street Name / 911 Number/Address if applicable		Street Name / 911 Number/Address if applicable	
Unit/Suite	PO Box	Unit/Suite	PO Box
City/Town	Province/State	City/Town	Province/State
Postal/Zip Code	Country	Postal/Zip Code	Country
Telephone No.	Fax No.	Telephone No.	Fax No.
E-mail	Cell No.	E-mail	Cell No.
Print Name of Contact Person		Print Name of Contact Person	

Note: It is illegal to use an appliance, equipment, or work for its intended purpose unless it is approved.
Please note that this approval may be revoked or suspended if the relevant review and inspection fees are not paid in full.

Deposit Payment Method	
Deposit of \$593.25 (13% HST included) must accompany each application. Invoice will only be issued for the amount billed over and above the deposit. HST Registration No. 891131369	
☐ Cheque or money order enclosed. Please make payable to: Technical Standards and Safety Authority	
☐ Charge my credit card ☐ VISA ☐ MASTERCARD	
Card No.	Expiry Date
Name of Card Holder	
Signature of Card Holder ☒ Please Print & Sign before returning to TSSA	Date
Payment Receipts can be requested by calling our Customer Contact Centre at 1.877.682.8772 only after the payment has been processed.	
Purchase Order No. Purchase Order number will be reflected on invoices and TSSA will not enter into any purchasing agreements.	

FEES

For Fee Schedule Information please visit our website at www.tssa.org

\$169.50 (13% HST included) per hour for engineering and inspection services

\$339.00 (13% HST included) per hour for engineering services

\$339.00 (13% HST included) per hour for engineering and inspection services

FS 09531 (08/11)

SERVICES

Check box to request type of service

☐ Regular Service 20 to 30 working days for engineering and inspection services☐ Rush Engineering Service Only 5 to 10 working days☐ Rush Engineering and Inspection Services 5 to 10 working days for each service



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Application for Field Approval of Appliances or Equipment

Technical Standards and Safety Act
Fuels Safety Regulations

Clear Form

Print Form

Please submit completed application and supporting documentation by mail, fax, or e-mail (in pdf format).		For Office Use Only
Check applicable box(es): Digester ☐ Gas ☐ Natural Gas Fuel ☐ Oil ☐ Propane ☒ Land ☐ fill ☐ Other ☐		
Required Documentation (2 copies each): ☐ Bill of Materials ☐ Electrical Schematic ☐ Purge Calculations ☐ Valve Train / P&ID Drawing(s)		

Type of Appliance/Equipment:		☐ Mobile Appliance
Manufactured by:		No. of Units:
Model:	Serial No.(s):	
Main Supply Pressure:		
Maximum Input:	Minimum Input:	
Burner/Manifold Operating Pressure:		

A. OWNER OF APPLIANCE OR EQUIPMENT			
Company Name:		Ontario Corporation No., if applicable	
Street Name / 911 Number/Address, if applicable:			
Unit/Suite:	PO Box:		
City/Town:	Province:	Postal Code:	
Telephone No.:	Fax No.:	Cell No.:	
E-mail:			
Print Name of Contact Person:		Signature of Contact Person: Please Print & Sign before returning to TSSA	

B. LOCATION ADDRESS Same as: ☐ A			
(Where appliance/equipment is to be installed/inspected. Note this must be a delivery or fire route address.)			
Company Name:			
Street Name / 911 Number/Address, if applicable:			
Unit/Suite:			
City/Town:	Province:	Postal Code:	
Telephone No.:	Fax No.:	Cell No.:	
E-mail:			
Print Name of Contact Person:			

C. TECHNICAL CONTACT Same as: ☐ A ☐ B ☐ D			
(Company we should communicate with regarding engineering and inspection approval on behalf of the owner.)			
Company Name:			
Street Name / 911 Number/Address, if applicable:			
Unit/Suite:			
City/Town:	Province:	Postal Code:	
Telephone No.:	Fax No.:	Cell No.:	
E-mail:			
Print Name of Contact Person:			

Note: It is illegal to use an appliance, equipment, or work for its intended purpose unless it is approved.
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Safety Authority

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Fax: 416 231 7525
Customer Service 1 877.682.8772
E-mail: fssubmissions@tssa.org

Application for Field Approval of Appliances or Equipment

Technical Standards and Safety Act
Fuels Safety Regulations

Location Address:

D. INVOICEE		Same as: ☐ A	
(Company responsible for fees invoiced for approval including engineering and inspection fees.)			
Company Name:			
Street Name / 911 Number/Address, if applicable:			
Unit/Suite:	PO Box:		
City/Town:	Province:	Postal Code:	
Telephone No.:	Fax No.:	Cell No.:	
E-mail:			
Print Name of Contact Person:		Signature of Contact Person:	Please Print & Sign before returning to TSSA

Date of Application (dd-mm-yyyy) : _____

FEES FOR ENGINEERING REVIEW AND INSPECTION

Check box to request type of service.

- ☐ **Regular Service:** 20-30 working days for engineering and inspection services.
Standard Fee: \$169.50 (13% HST included) per hour for engineering review and inspection services.
- ☐ **Rush Engineering Service Only:** 5 to 10 working days.
Fee: 2 x Standard fee for engineering review.
- ☐ **Rush Engineering and Inspection Services:** 5 to 10 working days for each service.
Fee: 2 x Standard fee for engineering review and inspection services.

Legal Disclaimer - The owner agrees to hold harmless the Technical Standards and Safety Authority, its employees, agents, successors and assigns from any and all damages, actions, suits, claims or loss arising from the use, approval or refusal to approve of the appliance, equipment or work to which this approval applies. In the event of claims made against TSSA arising from the use of the appliance, equipment or work the owner accepts, on demand to defend such actions on behalf of TSSA and to assume any costs legal or otherwise for the defence or settlement of such claims. Failure to comply with any of the terms and conditions of the approval voids the approval.

Deposit Payment Method

Deposit of \$593.25 (13% HST included) must accompany each application. Invoice will only be issued for the amount billed over and above the deposit.
HST Registration No.: 891131369

- ☐ Cheque or money order enclosed. Please make payable to: **Technical Standards and Safety Authority**
- ☐ Charge my credit card: ☐ VISA ☐ MASTERCARD

Card No.

Expiry Date

Month	Year

Name of Card Holder

First Name Last Name

Telephone No.

Signature of Card Holder X

Please Print & Sign before returning to TSSA

Date

(dd-mm-yyyy)

Payment Receipts can be requested by calling our Customer Contact Centre at 1.877.682.8772 only after the payment has been processed.

Purchase Order No. _____ Purchase Order number will be reflected on invoices and TSSA will not enter into any purchasing agreements.

