



pennsylvania

DEPARTMENT OF ENVIRONMENTAL
PROTECTION

BETHLEHEM DISTRICT OFFICE



December 7, 2017

Lower Saucon Township Manager
3700 Old Philadelphia Pike
Bethlehem, PA 18015

Attention: Ms. Leslie Huhn

Re: IESI PA Bethlehem Landfill
TV 48-00027
Lower Saucon Township, Northampton County

Dear Ms. Huhn:

Please find enclosed a copy of the report of the inspection performed by this District Office at the IESI PA Bethlehem Landfill, located in your municipality. A copy of the inspection report is being provided to you pursuant to the provisions of Section 1101(a)(1) of Act 101, the Municipal Waste Planning, Recycling and Waste Reduction Act of 1988.

If you have any questions, please feel free to contact me at 610-861-2070.

Sincerely,

Jessica Wagoner
Air Quality Specialist
Air Quality Program

Enclosure

- 5
ROUTING
- Council
 - Manager *o.s.*
 - Asst. Mgr.
 - Zoning
 - Finance
 - Police
 - P. Works
 - P/C
 - P & R
 - EAC
 - Engineer
 - Solicitor
 - Planner
 - Landfill
 - EMC
 - Other *Web*

2700-FM-BAQ0023 2/2015 pennsylvania DEPARTMENT OF ENVIRONMENTAL PROTECTION		INSPECTION REPORT		Commonwealth of Pennsylvania Department of Environmental Protection Air Quality Program	
Date(s) of Inspection: 12/1/17	TV <input checked="" type="checkbox"/> SM <input type="checkbox"/> NM <input type="checkbox"/>	PA <input type="checkbox"/> GP <input type="checkbox"/> MEGA <input type="checkbox"/>	Permit #(s): 48-00027	Expiration Date: 4/2/18	Case #: —
Company Name: IESI PA Bethlehem Landfill			Municipality: Lower Saucon Twp	County: Northampton	
Plant Name: —			Physical Location: Same	Federal ID — Plant Code #: 22-3575227-1	
Responsible Official: Donald Hallack			Mailing Address: 2335 Applebutter Rd.		
Title: District GM			Bethlehem, PA 18015		
Phone #(s): 518-783-2827					
Mark (X) All Inspection Types That Apply To This Inspection:					
<input type="checkbox"/> Full Compliance Evaluation (FCE)	<input type="checkbox"/> Plan Approval Inspection	<input type="checkbox"/> File Review (FR)			
<input type="checkbox"/> Operating Permit Inspection (PI)	<input type="checkbox"/> Initial Permit Inspection (IPI)	<input type="checkbox"/> Complaint Inspection (CI)			
<input checked="" type="checkbox"/> Routine/Partial (RTPT)	<input type="checkbox"/> Follow-Up Inspection (Ref. Date: _____)	<input type="checkbox"/> Sample Collection (SC)			
<input type="checkbox"/> Minor Source(s) Inspection (RFD)	<input type="checkbox"/> Stack Test Observation	<input type="checkbox"/> Multi-Media Inspection (MM)			
<input type="checkbox"/> Other:	<input type="checkbox"/> Announced				
Annual Compliance Certification Received: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A			Date Received: 3/1/17		
AIMS Report Received: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A			Date Received: 2/28/17		
Mark (X) All Activities That Apply: Arrival 9:30AM Exit 12:15PM					
<input checked="" type="checkbox"/> File Review	<input checked="" type="checkbox"/> Pre-Inspection Briefing	<input checked="" type="checkbox"/> Exit Interview/Briefing			
<input checked="" type="checkbox"/> Pre-Inspection Observations	<input type="checkbox"/> Check For New/Unreported Sources	<input type="checkbox"/> Sample(s) Collected			
<input type="checkbox"/> Visible Emissions Observations	<input type="checkbox"/> Verify Operation of CEMS	<input checked="" type="checkbox"/> Other SEM			
Comments/Recommendations: Enforcement since last FCE <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, attach summary)					
Today I conducted a routine partial inspection at IESI PA Bethlehem Landfill (IESI). Ms. Amy Faulch, Solid Waste Supervisor, & Ms. Jennifer Citera, Env. Trainee WM, were also present on behalf of the Department. Mr. Nick Rogers was also present on behalf of the site.					
During this inspection surface monitoring was conducted. No exceedances were noted at this time.					
The flare was operating at 1830scfm and 1188°F. LFG was also being sent to BRE.					
No fugitive, visible, or malodor emissions were noted at this time. No AQ violations were noted.					
Compliance Status: <input checked="" type="checkbox"/> In <input type="checkbox"/> Out <input type="checkbox"/> Pending <input type="checkbox"/> Awaiting Co. Report			Needs a Follow-Up Inspection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Company Representative: Nick Rogers		Title: Env. Scientist	Signature: 	Date: 12/1/17	
DEP Representative: Jessica Wagone		Title: AQS	Signature: 	Date/Time: 12/1/17	
This document is official notification that a representative of the Department of Environmental Protection, Air Quality Program, inspected the identified site. The findings of this inspection are shown above and on any attached pages, and may include violations uncovered during the inspection. Violations may also be discovered upon review of sample results or from any additional review of Department records. Notification will be forthcoming, if such violations are noted.					

Surface Methane Monitoring
Calibration Form



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DEPARTMENT OF ENVIRONMENTAL PROTECTION

Site: BDO

Date: 11-29-17

Model: TVA-2020

Serial #: _____

Weather: 12/1/17
39°F, Sunny

Wind: 12/1/17 - SW @ 1mph

Zero Accepted (Y/N): Y

Span Accepted (Y/N): Y

Response Time (450 ppm)

T₁: 6.65 sec

T₂: 6.72 sec

T₃: 16.76 sec

Avg Response: 10.04 sec

Ok if response is <30 sec

Calibration Precision (500 ppm)

R₁: 497 ppm

R₂: 497 ppm

R₃: 494 ppm

$$\frac{|500-R_1| + |500-R_2| + |500-R_3|}{3(500)} \times 100 = \underline{0.8} \%$$

Ok if deviation is <10%

Calibrated by: J. Cimeria, A. Faulch

Surface Methane Monitoring
Field Sheet



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Landfill	IESI	Inspection Date	12-1-2017
Specialist	Jessica Wagoner	Date Instrument was last calibrated	11-29-17
Background Location (Upwind of Facility)	IESI parking lot	Background Value (FID Reading ppm)	2.6

Time	Location	FID Reading ppm	Comment
11:04	HW 4-8	1.8	
11:06	HW 4-48	20.4	
11:08	HW 4-24	3.8	
11:09	HW 4-6R	34.8	
11:10	HW 4-5	5.4	
11:11	EW 4-40	8.4	
11:12	HW 4-50	2.0	
11:14	EW 4-39R	7.7	
11:15	EW 438	7.5	
11:16	HW 4-6	1.5	
11:16	EW 4-37	1.4	
11:18	HW 4-13	8.5	
11:20	EW 4-23	1.3	
11:22	EW 4-12	1.3	

Surface Methane Monitoring
Field Sheet



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DEPARTMENT OF ENVIRONMENTAL PROTECTION

Landfill	IESI	Inspection Date	12-1-17
Specialist	Jessica Wayner	Date Instrument was last calibrated	
Background Location (Upwind of Facility)	IESI Parking Lot	Background Value (FID Reading ppm)	see page 1

Time	Location	FID Reading ppm	Comment
11:22	HW 4-51	1.2	
11:25	EW 48R	2.0	
11:28	EW 421R	11.4	
11:30	EW 4-22R1	5.7	
11:32	EW 4-36R	5.7	
11:34	R-4-42	22.2	
11:36	EW 4-56	151	
11:40	EW 4-5	58.4	
11:45	EW -4-58	10.5	
11:47	EW 4-43	2.8	
11:48	TC-01	10.5	
11:50	EW 4-28R	3.4	
11:51	TC-06	4.6	
11:52	HW 4-20	6.9	

Investigator: Jennifer Citera Date: December 1, 2017
 Weather Conditions: slimy, clear 37°F

IESI PA BETHLEHEM LANDFILL
 ODOR PATROL SURVEY

SURVEY LOCATION	TIME	ODOR INTENSITY S = Strong M = Moderate SL = Slight N = None	ODOR DURATION P = Persistent I = Intermittent N = None	ODOR DESCRIPTION EG = Rotten Egg LFG = Landfill Gas G = Garbage S = Sewage D = Dredge O = Other (describe)	COMMENTS & OBSERVATIONS
Shinersville	8:40	N			
Riverside Dr	8:40	N			
Saucun Ave	8:41	SL	P	O	wood burning odor, fruity odor
Roberts	8:43	N			
Mathews Ave	8:43	N			
Maixsell Ave	8:44	N			
Adams Ave	8:44	N			
Johnston	8:45	SL	P	O	wood burning, earthy odors.
Jefferson	8:46	SL	P	O	wood burning odor
Riverside	8:46	N			
Fritz	8:47	N			
Mathews Ave	8:47	N			
Snyder Ave	8:49	N			
Mathews	8:50	N			
Riverside	8:50	SL	P	O	tobacco smoke odor, wood burning odor
Reddington	8:56	N			
Lower saucun	8:59	N			
Applebatter Rd	9:00	N			

