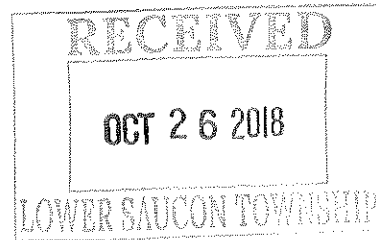




# pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BETHLEHEM DISTRICT OFFICE



October 23, 2018

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

**ROUTING**

- Council
- Manager *my* Enclosure
- Asst. Mgr.
- Zoning
- Finance
- Police
- P, Works
- P/C
- P & R
- EAC
- Engineer
- Solicitor
- Planner
- Landfill
- EMC
- Other *web*

4530 Bath Pike | Bethlehem, PA 18017

Printed on Recycled Paper

www.dep.pa.gov

*dep 09-27-18 am*

2700-FM-AQ0023 Rev. 1/2008 <b>DEP</b>		<b>INSPECTION REPORT</b>		Commonwealth of Pennsylvania Department of Environmental Protection Air Quality Program	
Date(s) of Inspection: 9/27/18	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: Permit Shield	Case #: PF ID #: 549728
Company Name: IESI PA Bethlehem Landfill		Municipality: Lower Saucon Township		County: Northampton	
Plant Name:-		Physical Location: Same as mailing address		Federal ID - Plant Code #: 22-3575227-1	
Responsible Official: Donald Hallock			Mailing Address: 2335 Applebutter Road		
Title: District General Manager			Bethlehem, PA 18015		
Phone #(s): 518-783-2827					
<b>Mark (X) All Inspection Types That Apply To This Inspection:</b>					
<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"/> Slack 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: Dated 2/23/18		
AIMS Report Received: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A			Date Received: 2/26/18		
<b>Mark (X) All Activities That Apply:</b>					
<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 type="checkbox"/> Other			
<p>On September 27, 2018 this inspector conducted a routine partial ('RTPT') inspection at IESI PA Bethlehem Landfill ('IESI') to conduct surface emission monitoring (SEM). Ms. Amy Faulch, Solid Waste Supervisor, was also present on behalf of the Department. Mr. Jayme Steigerwalt, Landfill Operations Supervisor, was present on behalf of the facility.</p> <p>The flare was operating at 2188scfm and 1652°F and BRE was operating at 1520scfm at the time of the inspection. During the SEM twenty-one points were monitored and nine exceedances were noted. A light H2S odor was detected near gas well EW 4-61, and a LFG odor was detected near HW 4-08. Two leachate seeps were noted on the north slope with active bubbling. I request that once repairs and monitoring are complete a written follow up be submitted to the Department.</p> <p>Daily site inspections and odor patrol logs were reviewed from July 2018 to present, and appear complete.</p> <p>No visible, fugitive, or malodor emissions were detected at this time.</p> <p>This concludes this inspection; no air quality violations were noted.</p>					
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: <i>[Signature]</i> Donald Hallock		Title: General MANAGER	Signature: <i>[Signature]</i>	Date: 10/11/18	
DEP Representative: Jessica Wagoner		Title: AQS	Signature: <i>[Signature]</i>	Date/Time: 10/10/18	
<p>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.</p>					

Surface Methane Monitoring  
Field Sheet



**pennsylvania**

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Landfill	IESI	Inspection Date	9/27/18
Specialist	J. Wagoner	Date Instrument was last calibrated	9/27/18
Background Location (Upwind of Facility)	IESI parking lot	Background Value (FID Reading ppm)	1.30

Time	Location	FID Reading ppm	Comment
1410	CO-25	3.43	
1411	HW 4-37	2.80	
1413	CO-24	1.23	
1414	HW 4-40	1.26	
1416	EW 4-63	1,129.0	
1418	EW 4-61	447	light H <sub>2</sub> S odor
1421	EW 4-55	6.83	
1421	HW 4-42	7.52	
1423	EW 4-54 R	1,295.0	
1424	EW 4-54	1,819.0	
1426	4-48	3,174.0	
1427	erosion area north of 4-48	343	
1428	leachate seep north of 4-48	3,500.0	
1429	leachate seep north of HW 4-08	15.62	

Surface Methane Monitoring  
Field Sheet



**pennsylvania**  
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Landfill	<i>see page 1</i>	Inspection Date	
Specialist		Date Instrument was last calibrated	
Background Location (Upwind of Facility)		Background Value (FID Reading ppm)	

Time	Location	FID Reading ppm	Comment
1430	HW 4-08	401.0	light gas odor
1431	EW 4-06 R	1,094.0	
1432	<del>EW</del> HW 4-24	3,698.0	
1433	EW 4-32 R	9.37	
1434	HW 4-43	110.0	
1435	EW 4-41	5,900.0	
1435	HW 4-39	10,000 +	
<i>[Signature]</i>			

2782388  
aw

### Surface Methane Monitoring Calibration Form



**pennsylvania**  
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Site: IESI

Date: 9/27/18

Model: INA Foxboro 1000A

Serial #: 660688

Weather: 69°F, 47% humidity  
Fair sky

Wind: 0 mph

Zero Accepted (Y/N): Yes

Span Accepted (Y/N): Yes

#### Response Time (450 ppm)

T<sub>1</sub>: 3.86 sec

T<sub>2</sub>: 3.89 sec

T<sub>3</sub>: 3.71 sec

Avg Response: 3.82 sec

Ok if response is <30 sec

#### Calibration Precision (500 ppm)

R<sub>1</sub>: 498 ppm

R<sub>2</sub>: 500 ppm

R<sub>3</sub>: 499 ppm

$$\frac{|500-R_1| + |500-R_2| + |500-R_3|}{3(500)} \times 100 = \underline{0.2} \%$$

Ok if deviation is <10%

Calibrated by: [Signature]

CASE: LESI Landfill  
**ODOR PATROL SURVEY**

Investigator: J. Wagner / A. Faulch Date: 9/27/18  
 Weather Conditions: 69°F 47% humidity, 0 mph, fair sky

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
Shimersville Rd.	1318	N			
Saucon Ave.	1320	N			
Roberts Ave.	1322	N			
Snyder Ave.	1322	N			
Mathews Ave.	1323	N			
Mixsell Ave.	1323	N			
Adams Ave.	1323	N			
Johnstan Ave.	1324	N			
Jefferson Ave.	1325	SL	1	0	very light skunk odor
Riverside Dr.	1325	N			
Fritz Ave.	1325	N			
Jonstan Ave.	1326	N			
Snyder Ave.	1327	N			
Schwab Ave.	1327	N			
Mathews Ave.	1328	N			
Riverside Dr. 1328	1328	N			
Redington Rd.	1333	N			
Lower Saucon Rd.	1336	N			

CASE: ODOR PATROL SURVEY

Investigator: see pg 1 Date: \_\_\_\_\_

Weather Conditions: \_\_\_\_\_

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
Applebutter Rd. Enter Landfill	1337	N			