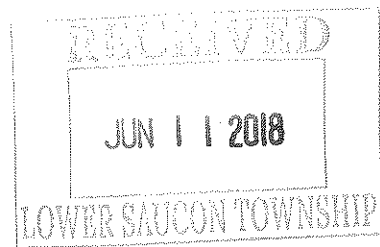




**pennsylvania**

DEPARTMENT OF ENVIRONMENTAL PROTECTION

BETHLEHEM DISTRICT OFFICE



June 7, 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

- S**
- ROUTING
- Council **Enclosure**
  - Manager **my**
  - 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

www.dep.pa.gov

610.861.2070 | Fax 610.861.2072

**dep 06-06-18**



# INSPECTION REPORT

Commonwealth of Pennsylvania  
Department of Environmental Protection  
Air Quality Program

Date(s) of Inspection: <b>6/6/18</b>	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): <b>48-00027</b>	Expiration Date: <b>Permit Shield</b>	Case #: -----	PF ID #: <b>549728</b>
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Company Name: <b>IESI PA Bethlehem Landfill</b>	Municipality: <b>Lower Saucon Township</b>	County: <b>Northampton</b>
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Plant Name:- -----	Physical Location: <b>Same as mailing address</b>	Federal ID — Plant Code #: <b>22-3575227-1</b>
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Responsible Official: <b>Donald Hallock</b>	Mailing Address: <b>2335 Applebutter Road</b>
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Title: <b>District General Manager</b>	<b>Bethlehem, PA 18015</b>
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Phone #(s): <b>518-783-2827</b>
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**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 checked="" type="checkbox"/> Follow-Up Inspection (Ref. Date: 4/18/18)	<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: Dated 2/23/18
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AIMS Report Received: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	Date Received: 2/26/18
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**Mark (X) All Activities That Apply:**

<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

On June 6, 2018, this inspector conducted a routine partial inspection (RTPT) at IESI PA Bethlehem Landfill (IESI). Ms. Amy Faulch, Solid Waste Supervisor, were also present on behalf of the Department. Mr. Don Hallock and Mr. David Pannucci provided a site tour and were interviewed on behalf of IESI. Prior to entering the landfill an odor patrol was conducted; a copy of the log is attached. This inspection was a follow up to the April 18, 2018 RTPT inspection. Surface emission monitoring (SEM) was conducted at select locations that exceedances were noted at during the last inspection. One location (EW 4-26R) had an exceedance of 10,000+ppm methane. The weld at EW-26R was repaired following the last RTPT but the weld has separated since that repair was made. A long-term repair should be made. Mr. Hallock will work with SCS to schedule the repair. Two new exceedances were noted at EW-63 and EW-60. These points are two recently drilled wells that have not been connected to the landfill gas collection system. The wells will be connected to the system next week. A copy of the SEM log is attached. IESI was reminded to be aware of tracking onto Applebutter Rd., and promptly remove material tracked onto the road. The violations noted during the 4/18/18 inspection remain open. Corrections have been made to the cover and gas wells, however some additional repairs need to be completed. This concludes this inspection as no air quality 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
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Company Representative: <i>Donald Hallock</i>	Title: <i>manager</i>	Signature: <i>Donald Hallock</i>	Date: <i>6/6/18</i>
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DEP Representative: <i>Jessica Wagoner</i>	Title: <i>AQS</i>	Signature: <i>Jessica Wagoner</i>	Date/Time: <i>6/6/18</i>
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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



**pennsylvania**  
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Site: IES1

Date: 6/6/18

Model: FOXBORO TNA-1000A

Serial #: 660688

Weather: 63°F, overcast

Wind: NE @ 3mph

Zero Accepted (Y/N): yes

Span Accepted (Y/N): yes

Response Time (450 ppm)

T<sub>1</sub>: 3.71 sec

T<sub>2</sub>: 3.75 sec

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

Avg Response: 3.72 sec

Ok if response is <30 sec

Calibration Precision (500 ppm)

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

R<sub>2</sub>: 498 ppm

R<sub>3</sub>: 498 ppm

$$\frac{|500-R_1| + |500-R_2| + |500-R_3|}{3(500)} \times 100 = \underline{0.4}\%$$

Ok if deviation is <10%

Calibrated by:

J. Wagoner

BDO - 2.35 ppm

Surface Methane Monitoring  
Field Sheet



**pennsylvania**  
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Landfill	IESI	Inspection Date	6/6/18
Specialist	J. Wagoner	Date Instrument was last calibrated	6/6/18
Background Location (Upwind of Facility)	parking lot at IESI	Background Value (FID Reading ppm)	1.37

BDO- 2.35 ppm

Time	Location	FID Reading ppm	Comment
1058	HW 4-40	1.95	
1100	LC-24	2.03	
1101	slope above LC-24	110.0	gas odor
1105	EW-63	<del>1500.0</del> <sup>5800.0</sup> 1e	new gas well
1107	EW 4-54	5.65	
1109	EW 4-48	4.18	
1110	LC-021	1.93	
1110	HW 4-21	2.11	
1111	HW 4-22	244.0	
1121	EW 4-56	140	
1123	EW 4-33 R	14.10	
1124	EW 4-31	5.72	
1126	EW 4-47	152	
1128	HW 4-43	15.41	



IESI PA BETHLEHEM LANDFILL  
ODOR PATROL SURVEY

Investigator: A. Faulch, J. Wagoner Date: 6/6/18  
 Weather Conditions: Overcast, 63°F, wind SNE, 57% H

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
Main St	927	N			
Shinersville	929	N			
Saucen Ave	929	N			
Roberts	932	N			
Snyder	932	N			
Mathews	932	N			
Mixsell	933	N			
Adams	933	N			
Johnston	934	N			
Jefferson	934	N			
Riverside	935	SL	1	O	very light skunk odor
Mathews	936	N			
Johnston	936	N			
Snyder	937	N			
Fritz	940	N			
Riverside	940	N			
Redington	945	N			
Lwr Saucen Rd	949	N			

