



# pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BETHLEHEM DISTRICT OFFICE



June 26, 2014

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

Attn: Mr. Jack Cahalan

Re: IESI PA Bethlehem Landfill  
I.D. #100020  
Lower Saucon Township, Northampton County

Dear Mr. Cahalan:

Please find enclosed a copy of the report of an 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 610-861-2136.

Sincerely,

Walter F. Govern III  
Solid Waste Specialist  
Waste Management Program

ROUTING

- Council
- Manager *orig*
- Asst. Mgr.
- Zoning *Enclosure*
- Finance
- Police
- P. Works
- P/C
- P & R
- EAC
- Engineer
- Solicitor
- Planner
- Landfill
- EMC 610.861.2136 | Fax 610-861-2072
- Other *Web*

4530 Bath Pike | Bethlehem, Pennsylvania 18017-9074

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## INSPECTION REPORT – MUNICIPAL WASTE LANDFILL

Site I.D. 255983  
 Site Name IESI PA BETHLEHEM LANDFILL  
 Address 2335 APPLEBUTTER RD

Telephone # \_\_\_\_\_  
 Operator Name IESI PA BETHLEHEM LANDFILL  
 Address 2335 APPLEBUTTER RD

Municipality 8924 LOWER SAUCON  
 Responsible Official SAMUEL DONATO, JR.  
 Person Interviewed SAMUEL DONATO, JR.  
 Inspector WALTER F. GOVERN

County NORTHAMPTON  
 Title PA DISTRICT MANAGER  
 Title PA DISTRICT MANAGER  
 Title SOLID WASTE SPECIALIST

eFACTS ID # PF 268729 SF 266826

Comment: 05/20/14 - Routine Complete Insp, 05/28/14 - Routine Partial Insp, 06/02/14 - Random Odor Patrol w/o entry.

Inspection Date: 05/20/2014 Type: RTNC Results: NO VIOLS Resolved: / /

Permit Expiration Date: 4/17/2023 Days/Week Operated: 6 Max. Daily Volume: 1800

1 - No Violation Observed    2 - Not-Applicable    3 - Not-Determined    4 - Non-Compliance

STATUS				REVISION	COMMENTS ATTACHED	CHAPTER CITATION	LINE ITEM
1	2	3	4				
<b>GENERAL PROVISIONS</b>							
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Required insurance in effect (expiration date <u>12/31/2014</u> )	<input type="checkbox"/>	271.371	1
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Operation in accordance with approved plans and permit.	<input type="checkbox"/>	273.201(c)(2)	2
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Operation within permit boundaries (vertical and horizontal).	<input type="checkbox"/>	273.201(c)(2)	3
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Disposal Timing and sequence as per Section 273.112(1).	<input type="checkbox"/>	273.201(c)(2)	4
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	No unapproved wastes or liquids.	<input type="checkbox"/>	273.201(d)-(m)	5
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Isolation distances are adhered to.	<input type="checkbox"/>	273.202(a)	6
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Facilities certification requirements followed.	<input type="checkbox"/>	273.203(a), (b)	7
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Written Department approval of new construction prior to waste disposal.	<input type="checkbox"/>	273.203(c)	8
<b>DAILY OPERATIONS</b>							
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Proper signs posted.	<input type="checkbox"/>	273.211(a)	9
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Site perimeter clearly marked and grid coordinate system in use.	<input type="checkbox"/>	273.311(b)-(d)	10
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Proper barriers installed around site and access controlled when attendant not present.	<input type="checkbox"/>	273.212(a)-(i)	11
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Access roads maintained and negotiable by collection vehicles.	<input type="checkbox"/>	273.213(a)-(i)	12
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Approved means of measuring and inspected waste utilized.	<input type="checkbox"/>	273.214(a), (b)	13
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Adequate equipment on-site and stand-by equipment available.	<input type="checkbox"/>	273.215(a), (b)	14
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vehicles directed promptly to unloading area and promptly unloaded.	<input type="checkbox"/>	273.216(a), (b)	15
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Solid waste spread and compacted as approved by Department as part of permit.	<input type="checkbox"/>	273.216(c)	16
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Operator implements fugitive air contaminant control/measures and prevents and controls air pollution including no exceeding of ambient air quality standards, no open burning, and minimizing generation of fugitive dust emissions from facility.	<input type="checkbox"/>	273.217(a)	17
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Operator complies with Air Quality Plan approval and Air quality Operating Permit.	<input type="checkbox"/>	273.217(b)	18

Site Name	IESI PA BETHLEHEM LANDFILL
ID Number	100020
Date	05/20/14, 05/28/14, & 06/02/14

**INSPECTION REPORT – MUNICIPAL WASTE LANDFILL (Cont'd)**

1 - No Violation Observed 2 - Not-Applicable 3 - Not-Determined 4 - Non-Compliance

STATUS				GENERAL REQUIREMENTS	COMMENTS ATTACHED	CHAPTER CITATION	LINE ITEM
1	2	3	4				
				<b>DAILY OPERATIONS (Cont'd)</b>			
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Operator does not cause or allow attraction, harborage, or breeding of vector.	<input type="checkbox"/>	273.218(a)	19
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Operator implements nuisance minimization and control plan.	<input type="checkbox"/>	273.218(b)(1)	20
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Operator performs regular, frequent, and comprehensive site inspections to reduce potential for offsite odors.	<input type="checkbox"/>	273.218(b)(2)	21
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Operator promptly addresses and correct problems and deficiencies discovered during inspections.	<input type="checkbox"/>	273.218(b)(3)	22
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Operator implements nuisance minimization and control plan to minimize and control other conditions harmful to the environment or public health, or which create safety hazards, odors, dirt, noise, unsightliness and other public nuisances.	<input type="checkbox"/>	273.218(c)	23
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Operator does not receive solid waste at a landfill in excess of the maximum or average daily volume approved in the permit.	<input type="checkbox"/>	273.221(a)	24
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Operator implements radiation protection action plan.	<input type="checkbox"/>	273.223(a)	25
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Operator monitors incoming waste in accordance with Department's guidance or in a manner at least as protective of the environment, facility staff and public health and safety.	<input type="checkbox"/>	273.223(b)	26
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Radiation detector elements shall be as close as practical to wasteload and in appropriate geometry to monitor the waste.	<input type="checkbox"/>	273.223(c)	27
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Operator has portable radiation monitors capable of determining the dose rate and presence of contamination of a vehicle that has caused an alarm. Upon exceedance of alarm level, a radiological survey of the vehicle is performed.	<input type="checkbox"/>	273.223(d)	28
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Operator notifies Department immediately and isolates vehicle when radiation dose rates are exceeded.	<input type="checkbox"/>	273.223(e)	29
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Monitoring equipment is calibrated at frequency specified by manufacturer, but not less than once a year.	<input type="checkbox"/>	273.223(f)	30
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	If radioactive material is detected, vehicle containing material shall not leave facility without written Department approval and an authorized federal Department of Transportation exemption form.	<input type="checkbox"/>	273.223(g)	31
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Uniform cover of the approved daily cover material is placed on exposed solid waste at the end of each working day or at the end of every 24 hours, whichever interval is less.	<input type="checkbox"/>	273.232(a)	32
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	If intermediate cover requires revegetation, it is established within 30 days.	<input type="checkbox"/>	273.233(e)	33
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Slopes constructed during daily landfilling and intermediate cover activities may not exceed 50 percent.	<input type="checkbox"/>	273.233(f)	34
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Operator does not cause or allow waste pollution within or outside the site from operation of the facility.	<input type="checkbox"/>	273.241(a)-(c)	35
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Operator has restored or replaced adversely affected water supply with an alternative source of like quantity and quality.	<input type="checkbox"/>	273.245(a)	36
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Temporary water supply is provided within 48 hours.	<input type="checkbox"/>	273.245(b)	37
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Permanent water supply is provided within 90 days.	<input type="checkbox"/>	273.245(c)	38
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	No waste 15 feet of inside top of the lined perimeter berm.	<input type="checkbox"/>	273.252(e)	39

**INSPECTION REPORT – MUNICIPAL WASTE LANDFILL (Cont'd)**

1 - No Violation Observed 2 - Not-Applicable 3 - Not-Determined 4 - Non-Compliance

STATUS				GENERAL REQUIREMENTS	COMMENTS ATTACHED	CHAPTER CITATION	LINE ITEM
1	2	3	4				
<b>DAILY OPERATIONS (Continued)</b>							
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Lined perimeter berm 4 ft. high constructed and maintained along edge of the lined disposal area.	<input type="checkbox"/>	273.252(f)	40
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Edge of liner clearly marked.	<input type="checkbox"/>	273.252(g)	41
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Alternate leachate recirculation method may be used if approved if one of the liner systems is a composite liner.	<input type="checkbox"/>	273.274(b)	42
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Underground pipes used to transport leachate to leachate storage impoundments or tanks equipped with secondary containment or comply with 245.445.	<input type="checkbox"/>	273.275(g)	43
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Operator isolates coal seams, coal outcrops and coal refuse from waste deposits to prevent combustion of waste and damage to liner.	<input type="checkbox"/>	273.291(a)	44
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mine openings within site sealed as approved by Department.	<input type="checkbox"/>	273.291(b)	45
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Operator implements plan for controlling potential damage from subsidence submitted and approved under 273.120.	<input type="checkbox"/>	273.291(c)	46
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Landfill designed, constructed, maintained and operated to prevent and minimize potential for fire, explosion, or release of solid waste constituents into air, water, or soil of the Commonwealth.	<input type="checkbox"/>	273.301	47
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Emergency equipment including portable fire extinguishers, fire control equipment, spill control equipment, and decontamination equipment available. For fire equipment requiring water, facility has a water supply of or adequate quantity and pressure to supply the equipment.	<input type="checkbox"/>	273.302(a)	48
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Emergency equipment tested and maintained.	<input type="checkbox"/>	273.302(c)	49
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Adequate space maintained to allow unobstructed movement of emergency personnel and equipment.	<input type="checkbox"/>	273.302(d)	50
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Litter controlled/collected and barriers/fences in place.	<input type="checkbox"/>	273.220(a)-(c)	51
<b>COVER/SLOPES/REVEGETATION</b>							
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Daily/intermediate cover meets performance and design requirements.	<input type="checkbox"/>	273.232(b), 273.233(b), (c)	52
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Minimum 5 day supply of daily and intermediate cover maintained on-site.	<input type="checkbox"/>	273.232(c) & 273.233(d)	53
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Intermediate cover applied within time limits.	<input type="checkbox"/>	273.233(a)	54
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Intermediate slopes do not exceed 50%.	<input type="checkbox"/>	273.232(d)	55
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cap placed over entire surface of final lift meets performance standards.	<input type="checkbox"/>	273.234(a)(1)	56
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Final cover meets performance and design requirements; applied within time limits.	<input type="checkbox"/>	273.234(b)-(e)	57
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Final slopes stable and erosion controlled.	<input type="checkbox"/>	273.234(f)	58
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Final slopes graded 3-15% or terraced to 33% as approved.	<input type="checkbox"/>	273.234(g)	59
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Minimum revegetation and successful revegetation requirements adhered to.	<input type="checkbox"/>	273.235(a)-(e) & 273.236(a), (b)	60
<b>WATER QUALITY PROTECTION</b>							
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Surface and groundwater treatment facilities properly operated and maintained.	<input type="checkbox"/>	273.241(b)	61
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Surface water percolation minimized/prevented.	<input type="checkbox"/>	273.242(b)(1) & 273.234(e)(4)	62

**INSPECTION REPORT – MUNICIPAL WASTE LANDFILL (Cont'd)**

1 - No Violation Observed 2 - Not-Applicable 3 - Not-Determined 4 - Non-Compliance

STATUS				GENERAL REQUIREMENTS	COMMENTS ATTACHED	CHAPTER CITATION	LINE ITEM
1	2	3	4				
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Soil erosion and sedimentation controls designed and implemented as per approved plans; gullies over nine inches repaired.	<input type="checkbox"/>	273.242(a)-(c)	63
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sedimentation ponds and discharge structures designed, constructed, operated, and maintained in accordance with Chapters 273, 102, and 105.	<input type="checkbox"/>	273.243(a)-(g) & 273.244	64
				<b>LINER SYSTEM</b>			
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Liner system designed, constructed, operated, and maintained when required.	<input type="checkbox"/>	273.251(a), (b)	65
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Edge of liner requirements adhered to (i.e., no waste within 25 feet if adjacent liner, 4 feet high lined berm, to prevent lateral escape of leachate, adequate spacing on inside of berm to collect stormwater and sediment).	<input type="checkbox"/>	273.252(d)	66
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Leachate detection zone monitored weekly.	<input type="checkbox"/>	273.255(c)	67
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Protective cover protects primary liner and leachate collection system and allows free flow of leachate into the collection system.	<input type="checkbox"/>	273.257(a)	68
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Protective cover meets minimum requirements and at least 18 inches thick.	<input type="checkbox"/>	273.257(b)	69
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Leachate collection system within protective cover meets minimum requirements.	<input type="checkbox"/>	273.258(a), (b)	70
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Barrier designed, constructed and maintained as required to prevent lateral migration of leachate off-site in surface mined areas.	<input type="checkbox"/>	273.259(a)-(d)	71
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8 feet of select waste placed over protective cover.	<input type="checkbox"/>	273.260	73
				<b>LEACHATE TREATMENT</b>			
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Leachate collected and handled through Department approved method(s).	<input type="checkbox"/>	273.272(a)-(c)	74
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Leachate transportation requirements adhered to.	<input type="checkbox"/>	273.273(a)-(c)	75
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cessation of site operation if alternate leachate handling not available.	<input type="checkbox"/>	273.273(d)	76
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Leachate treatment system permitted and fully operational at least 3 years before closure.	<input type="checkbox"/>	273.273(e)	77
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Leachate recirculation in accordance with regulations.	<input type="checkbox"/>	273.274(1)-(4)	78
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Leachate collection and storage systems on-site have capacity of 30 days or 250,000 gallons, whichever is greater.	<input type="checkbox"/>	273.275(a)-(f)	79
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Leachate flow rate measured daily; analyzed quarterly.	<input type="checkbox"/>	273.276(a)-(b)	80
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Department notified when remedial action(s) required.	<input type="checkbox"/>	273.277(1)-(4)	81
				<b>WATER QUALITY MONITORING</b>			
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Approved monitoring system installed and maintained.	<input type="checkbox"/>	273.281(a), (b) & 273.283	82
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Quarterly and annual monitoring requirements adhered to and results submitted Department within time constraints.	<input type="checkbox"/>	273.284 & 273.285	83
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Groundwater assessment plan submitted and implement as required.	<input type="checkbox"/>	273.286(a)-(g)	84
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Groundwater abatement plan submitted and implemented as required.	<input type="checkbox"/>	273.287(a)-(f)	85
				<b>RECORDKEEPING AND REPORTING</b>			
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Operational records maintained, available and submitted as required.	<input type="checkbox"/>	273.288 & 273.311-273.313	86
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Daily Operational Records kept in accordance with regulations for the life of the facility bond or longer if necessary.	<input type="checkbox"/>	273.311(d)	87

**INSPECTION REPORT – MUNICIPAL WASTE LANDFILL (Cont'd)**

1 - No Violation Observed 2 - Not-Applicable 3 - Not-Determined 4 - Non-Compliance

STATUS				GENERAL REQUIREMENTS	COMMENTS ATTACHED	CHAPTER CITATION	LINE ITEM
1	2	3	4				
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Operator submits quarterly operation report.	<input type="checkbox"/>	273.312	88
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Operator submits annual operation report with fee.	<input type="checkbox"/>	273.313	89
				<b>MINERALS AND GAS</b>	<input type="checkbox"/>		
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Gas venting and monitoring in accordance with approved plans.	<input type="checkbox"/>	273.292(a)-(d)	90
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Combustible gas levels not exceeded.	<input type="checkbox"/>	273.292(e)	91
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Forced gas venting if required.	<input type="checkbox"/>	273.292(f)	92
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Gas recovery conducted as per approved plan and §273.293, including annual analysis.	<input type="checkbox"/>	273.293(a), (b)	93
				<b>EMERGENCY PROCEDURES</b>			
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Contingency plan implemented if there is an emergency.	<input type="checkbox"/>	273.303(a)-(c)	94
				<b>RECYCLING</b>			
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Operator shall salvage and recycle waste in accord with recycling plan. (273.196)	<input type="checkbox"/>	273.331(a)	95
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Salvaging and recycling controlled by operator and prevents interference within operations and prevents health hazardous nuisance.	<input type="checkbox"/>	273.331(b)	96
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Salvaged materials stored in an approved area or transported offsite.	<input type="checkbox"/>	273.331(c)	97
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Drop off center established for at least three recyclables.	<input type="checkbox"/>	273.332(a)	98
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Drop off center properly located, contains bins or containers, open at least 8 hours per week and 4 hours during evenings or weekends.	<input type="checkbox"/>	273.332(b), (c)	99
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Approved public notice of availability of drop off center availability is provided.	<input type="checkbox"/>	273.332(d)	100
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	On or before January 15 each year, operator informs municipality in writing of weight and type of materials recycled previous year.	<input type="checkbox"/>	273.332(e)	101
				<b>SPECIAL HANDLING AND RESIDUAL WASTES</b>			
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Special handling and residual wastes disposed with prior Department approval, and in accordance with permit and Chapter 273.	<input type="checkbox"/>	273.501	102
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Infectious waste disposal restrictions adhered to.	<input type="checkbox"/>	273.511(a)-(d)	103
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Chemotherapeutic waste disposal restrictions adhered to.	<input type="checkbox"/>	273.512	104
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sewage sludge co-disposal and monofill requirements followed.	<input type="checkbox"/>	273.513	105
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sewage sludge sampling requirements adhered to and sludge meets standards for control of pathogens, vectors, and odors.	<input type="checkbox"/>	273.513(c)	106
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Disposal of municipal waste incineration ash in landfill or landfill cell that meets Chapter 273 requirements.	<input type="checkbox"/>	273.514(a)	107
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Ash residue disposal in dedicated landfill or landfill cell unless co-disposal in accordance with Chapter 273 (including leachability treatment).	<input type="checkbox"/>	273.514(b)	108
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Ash residue covered immediately or as approved by the Department.	<input type="checkbox"/>	273.514(c)	109





## INSPECTION REPORT COMMENTS

Date of Inspection 05/20/14, 05/28/14, & 06/02/14 Identification Number 100020

Company/Facility/Site Name IESI PA BETHLEHEM LANDFILL

### Comments:

On May 20, 2014, May 28, 2014 and June 2, 2014, the Pennsylvania Department of Environmental Protection (Department) conducted multiple types of inspections on the dates previously listed at IESI PA Bethlehem Landfill (IESI). Also during these inspections, investigations were conducted as a result of odor complaints received by the Department. Each inspection will be detailed below.

#### May 20, 2014 – ROUTINE COMPLETE INSPECTION

On May 20, 2014, the Department conducted a routine complete inspection and surface monitoring at IESI. Representing the Department during this inspection was Walter F. Govern III (this inspector), Becky Easley, Department Air Quality Specialist, and Tara Redding, Department Air Quality Specialist. Representing IESI was Mike Sheldon, Operations Manager. Sam Donato and Al Schleyer were traveling on business during the time of this inspection. Weather was Sunny, 61°F, with calm winds (0 mph) [www.weatherunderground.com](http://www.weatherunderground.com)

Prior to entering the landfill for the inspection, an odor patrol was conducted along Applebutter Road, throughout Steel City and around the north side of the landfill on Riverside Drive, out to Easton Road and along Skyline Drive. See attached odor patrol log dated 05/20/2014 for details.

The entrance road to the facility and the access roads to the working face were clean and free of litter and debris. Five laborers were observed collecting wind-blown litter from the southern slope of the landfill.

The flare was in operation at IESI during the time of this inspection. Landfill gas was being burned in the Flare at 1655°F at a flow of 2514 scfm. Landfill gas from IESI was also being burned at the Bethlehem Renewable Energy (BRE) Plant adjacent the landfill during the time of this inspection.

IESI plans to start a capping project in May. The capping project is expected to cover approximately three acres of the landfill.

During the time of this inspection, IESI was conducting seep repairs on the southern slope. During the Department's Air Quality surface monitoring part of the inspection, this inspector observed a number of seeps. Leachate odors were observed around the area of these seeps. Seeps were observed west of well # EW-4-30, between well # EW-4-18 and EW-4-2A, west of well # EW-4-19, between well # EW-4-20 and EW-4-28, between well # EW-4-27R and EW-4-1A, and one bench north of well # EW-4-19. During the site tour, this inspector observed newly installed misters spraying odor neutralizers along the northwestern perimeter fence. A drum mister was also observed near Pump Station #1 at the base of the southern slope. This mister was not running during the time of this inspection.

The large seep repair observed during this inspector's last inspection had been completed.

Cell 4E Stage II was the area accepting waste during the time of this inspection. There were three trucks dumping at the working face during the time this inspector was observing the working face. No trucks were waiting to dump during the time of this inspection. Tippers are not yet in use at the landfill.

The radiation logs for May to the date of this inspection were reviewed. There were five radiation hit since this inspector's last inspection. On 05/01/2014, 05/16/2014 and 05/19/2014, I-131 was detected as a level 1 alarm. On 05/09/2014 and 05/13/2014, Tc-99 was detected as a level 1 alarm. The loads were dumped at the landfill as per the radiation action monitoring plan. Log sheets were reviewed showing that the radiation monitors were detecting hits on known sources. Calibration for the radiation monitor was conducted on 06/24/2013 and is due 06/24/2014.

Daily tonnage reports were observed for May to the date of this inspection. The weight logs appear complete. The maximum daily tonnage observed in May to the date of this inspection was logged on 05/13/2014 at 1,749.5 tons. The overweight report for the month of May logged 19 overweight trucks to the date of this inspection. Two of the trucks were over the 3% mark. A copy of the overweight trucks report for May is attached to this report. The scale was last calibrated on 12/30/2013. It is due for calibration in June 2014.

IESI ran an advertisement for public drop off at the landfill from January 3<sup>rd</sup>, 4<sup>th</sup>, and 5<sup>th</sup>, 2014 in the Express Times.

Insurance certificates were reviewed and are valid. The certificate expires 12/31/2014.

#### **May 28, 2014 – ROUTINE PARTIAL INSPECTION**

On May 28, 2014, the Department conducted a routine partial inspection in response to odor complaints received by the Department between May 22, 2014 and May 25, 2014. As this is a partial inspection, only the items mentioned below were observed during the time of this inspection. The inspection conducted on May 28, 2014 is not a complete inspection. Representing the Department during this inspection was Walter F. Govern III (this inspector), and Becky Easley, Department Air Quality Specialist. Representing IESI was Sam Donato, PA District Landfill Manager. Weather was Cloudy, 69°F, with wind out of the WSW at 5 mph. ([www.weatherunderground.com](http://www.weatherunderground.com))

Prior to entering the landfill for the inspection, an odor patrol was conducted along Applebutter Road, throughout Steel City and around the north side of the landfill on Riverside Drive, out to Easton Road and along Skyline Drive. During this patrol, a slight intermittent landfill gas odor was observed at the intersection of Riverside Drive and Jefferson Ave, at 0936 hrs. This inspector conducted a second odor patrol around the landfill and observed a moderate persistent combination of landfill gas and garbage odor at the intersection of Riverside Drive and Jefferson Ave at 1015 hrs. This inspector entered the landfill at 1025 hrs. A copy of the odor patrol log is attached to this inspection report.

This inspector met with Sam Donato and explained the presence of an odor at the intersection of Riverside Drive and Jefferson Ave. This inspector accompanied by Becky Easley, Department Air Quality Specialist, and Sam Donato of IESI traveled to the intersection of Riverside Drive and Jefferson Ave. At approximately 1050 hrs, no odor was able to be detected by any of the individuals mentioned above. An odor patrol continued throughout Steel City and around the landfill but no landfill related odors were detected during the time of this odor patrol. It appears the odor previously observed had dissipated.

During a site tour of the operations of the landfill, this inspector observed that the flare was burning landfill gas at 1600°F at a flow of 2800 scfm. The Bethlehem Renewable Energy (BRE) Plant was down for the day due to a forced outage by Pennsylvania Power and Light (PP&L) to accommodate switchgear maintenance on the plant. This inspector observed that the mister line at the northwest corner of the landfill was not running during the time of this inspection. Mr. Donato explained that the mister is turned on in the morning prior to the landfill opening. If conditions allow, the misters will be turned off during the day and if odors build the misters are turned back on. On this morning the mister was not turned on as operations personnel were short staffed due to recent employee turnover. The mister was turned on during the time of this inspection as winds were observed blowing out of the southeast. Also observed during the time of this inspection, IESI was completing well tie-ins with the previously capped area and prepping the sub-grade for the cap materials.

Cell 4E Stage II was the area accepting waste during the time of this inspection. There were two trucks dumping at the working face during the time this inspector was observing the working face. No trucks were waiting to dump during the time of this inspection. Working face odors were observed near the cells created by the MSE wall.

#### **June 2, 2014 – RANDOM ODOR PATROL**

On June 2, 2014 this inspector completed an odor patrol around IESI landfill. During this odor patrol, no landfill related odors were detected. IESI was not entered on this day as a result of this odor patrol. A copy of the odor patrol log is attached to this inspection report.

#### **COMPLAINT INVESTGATIONS**

On 04/20/2014 at approx. 1556 hrs: An individual reported odors from IESI at their residence. This resident is located north of Grinding Acres in Freemansburg, approximately 2.063 miles from IESI. During the time of the complaint, the flare was burning landfill gas at 940 scfm. The energy plant adjacent IESI was burning landfill gas at 1999 scfm during the time of this complaint. Landfill gas was being consumed by the flare and the adjacent energy plant at a total of 2939 scfm during the time of this complaint.

On 04/20/2014 at approx. 1622 hrs: An individual reported odors from IESI at their residence located on Skyline Drive, Lower Saucon Township. During the time of the complaint, the flare was burning landfill gas at 925 scfm. The energy plant adjacent IESI was burning landfill gas at 2011 scfm during the time of this complaint. Landfill gas was being consumed by the flare and the adjacent energy plant at a total of 2936 scfm during the time of this complaint.

On 04/20/2014 at approx. 1931 hrs: An individual reported odors from IESI at their residence located on Fritz Ave, Steel

City. During the time of the complaint, the flare was burning landfill gas at 896 scfm. The energy plant adjacent IESI was burning landfill gas at 1998 scfm during the time of this complaint. Landfill gas was being consumed by the flare and the adjacent energy plant at a total of 2894 scfm during the time of this complaint.

On 04/21/2014 at approx. 1556 hrs: An individual reported odors from IESI at their residence. This resident is located north of Grinding Acres in Freemansburg, approximately 2.063 miles from IESI. During the time of the complaint, the flare was burning landfill gas at 910 scfm. The energy plant adjacent IESI was burning landfill gas at 1987 scfm during the time of this complaint. Landfill gas was being consumed by the flare and the adjacent energy plant at a total of 2897 scfm during the time of this complaint.

On 04/25/2014 at approx. 0736 hrs: An individual reported strong odors at their residence located on Fritz Ave, Steel City. During the time of the complaint, the flare was burning landfill gas at 887 scfm. The energy plant adjacent IESI was burning landfill gas at 2162 scfm during the time of this complaint. Landfill gas was being consumed by the flare and the adjacent energy plant at a total of 3049 scfm during the time of this complaint.

On 04/28/2014 at approx. 2010 hrs: An individual reported intermittent odors at their residence located on Johnston Ave, Steel City. During the time of the complaint, the flare was burning landfill gas at 913 scfm. The energy plant adjacent IESI was burning landfill gas at 2178 scfm during the time of this complaint. Landfill gas was being consumed by the flare and the adjacent energy plant at a total of 3091 scfm during the time of this complaint.

On 05/08/2014 at approx. 0811 hrs: An individual reported an odors that smelled like rotten potatoes at their residence located on Fritz Ave, Steel City. During the time of the complaint, the flare was burning landfill gas at 1134 scfm. The energy plant adjacent IESI was burning landfill gas at 2161 scfm during the time of this complaint. Landfill gas was being consumed by the flare and the adjacent energy plant at a total of 3295 scfm during the time of this complaint.

On 05/08/2014 at approx. 1629 hrs: An individual reported odors from IESI while driving by the landfill. During the time of the complaint, the flare was burning landfill gas at 1053 scfm. The energy plant adjacent IESI was burning landfill gas at 2173 scfm during the time of this complaint. Landfill gas was being consumed by the flare and the adjacent energy plant at a total of 3226 scfm during the time of this complaint.

On 05/09/2014 at approx. 1354 hrs: An individual reported odors from IESI while driving Riverside Drive, Lower Saucon Township. During the time of the complaint, the flare was burning landfill gas at 1079 scfm. The energy plant adjacent IESI was burning landfill gas at 2194 scfm during the time of this complaint. Landfill gas was being consumed by the flare and the adjacent energy plant at a total of 3273 scfm during the time of this complaint.

On 05/12/2014 at approx. 0230 hrs: An individual reported odors on their property located on Saucon Ave, Steel City. During the time of the complaint, the flare was burning landfill gas at 1351 scfm. The energy plant adjacent IESI was burning landfill gas at 2108 scfm during the time of this complaint. Landfill gas was being consumed by the flare and the adjacent energy plant at a total of 3459 scfm during the time of this complaint.

On 05/13/2014 at approx. 2106 hrs: An individual reported strong methane gas odor on their property located on Saucon Ave, Steel City. During the time of the complaint, the flare was burning landfill gas at 1443 scfm. The energy plant adjacent IESI was burning landfill gas at 2183 scfm during the time of this complaint. Landfill gas was being consumed by the flare and the adjacent energy plant at a total of 3626 scfm during the time of this complaint.

On 05/14/2014 (no time provided): Three individuals in three separate locations reported odors from the landfill on their properties located on Saucon Ave, Steel City, Ivywood Ave, Steel City and Fritz Ave, Steel City, respectively. During the night of these complaints, the flare and energy plant was down due to a power outage in the township. The Wassergas weather station located south of I-78 did not record weather data between 1935 hrs and 2310 hrs due to the power outage.

On 05/22/2014, at approx. 1657 hrs: An individual reported odors from IESI on their property located on Johnston Ave, Steel City. During the time of the complaint, the flare was burning landfill gas at 1190 scfm. The energy plant adjacent IESI was burning landfill gas at 2067 scfm during the time of this complaint. Landfill gas was being consumed by the flare and the adjacent energy plant at a total of 3257 scfm during the time of this complaint.

On 05/22/2014 at approx. 1848 hrs: An individual reported odors from IESI at their residence. This resident is located south of I-78, at Schwartz Ave, Lower Saucon Township, approximately 2.330 miles from IESI. During the time of the complaint, the flare was burning landfill gas at 1184 scfm. The energy plant adjacent IESI was burning landfill gas at 2054 scfm during the time of this complaint. Landfill gas was being consumed by the flare and the adjacent energy plant

at a total of 3238 scfm during the time of this complaint.

On 05/22/2014, at approx. 2234 hrs: An individual reported odors from IESI on their property located on Fritz Ave, Steel City. During the time of the complaint, the flare was burning landfill gas at 1135 scfm. The energy plant adjacent IESI was burning landfill gas at 2083 scfm during the time of this complaint. Landfill gas was being consumed by the flare and the adjacent energy plant at a total of 3218 scfm during the time of this complaint.

On 05/24/2014, at approx. 2120 hrs: An individual reported odors from IESI on their property located on Ivywood Ave, Steel City. During the time of the complaint, the flare was burning landfill gas at 1191 scfm. The energy plant adjacent IESI was burning landfill gas at 2272 scfm during the time of this complaint. Landfill gas was being consumed by the flare and the adjacent energy plant at a total of 3463 scfm during the time of this complaint.

On 05/24/2014 & 05/25/2014, (no time provided): An individual reported a strong rotten egg odor on their property located on Saucon Ave, Steel City throughout the weekend. On 05/24/2014, the average rate landfill gas was consumed in the flare for the day was at 1064 scfm, and the average rate landfill gas was consumed at the energy plant adjacent IESI was at 2156 scfm, for a total average rate of 3463 scfm. On 05/25/2014, the average rate landfill gas was consumed in the flare for the day was at 1063 scfm, and the average rate landfill gas was consumed at the energy plant adjacent IESI was at 2136 scfm, for a total average rate of 3199 scfm.

On 05/28/2014, at approx. 1033 hrs: An individual reported that odors are obnoxious and have a garbage type smell on their property located on Jefferson Ave, Steel City. During the time of the complaint, the flare was burning landfill gas at 2803 scfm. The energy plant adjacent IESI was burning landfill gas down for the day due to a forced outage by Pennsylvania Power and Light (PP&L) to accommodate switchgear maintenance on the plant.

On 05/28/2014, at approx. 1601 hrs: An individual reported odors on their property located on Saucon Ave, Steel City. During the time of the complaint, the flare was burning landfill gas at 2788 scfm. The energy plant adjacent IESI was burning landfill gas down for the day due to a forced outage by Pennsylvania Power and Light (PP&L) to accommodate switchgear maintenance on the plant.

On 05/28/2014, at approx. 1647 hrs: An individual reported a strange gas smell on their property located on Mixsell Ave, Steel City. During the time of the complaint, the flare was burning landfill gas at 2750 scfm. The energy plant adjacent IESI was burning landfill gas down for the day due to a forced outage by Pennsylvania Power and Light (PP&L) to accommodate switchgear maintenance on the plant.

On 05/28/2014, at approx. 1932 hrs: An individual reported an odor on their property located on Ivywood Ave, Steel City. During the time of the complaint, the flare was burning landfill gas at 2737 scfm. The energy plant adjacent IESI was burning landfill gas down for the day due to a forced outage by Pennsylvania Power and Light (PP&L) to accommodate switchgear maintenance on the plant.

On 05/31/2014, at approx. 2004 hrs: An individual reported strong odors on their property located on Quincy Ave, Steel City. During the time of the complaint, the flare was burning landfill gas at 1255 scfm. The energy plant adjacent IESI was burning landfill gas at 2051 scfm during the time of this complaint. Landfill gas was being consumed by the flare and the adjacent energy plant at a total of 3306 scfm during the time of this complaint.

This concludes this inspection report.

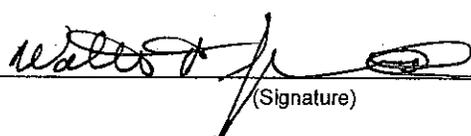
This inspection report is notice of the findings of an inspection conducted by a representative of the Department. This report is formal notification of any violations observed during the inspection. Additional notification of violations may be issued concerning either violations noted herein, or other violations identified as a result of review of laboratory analyses or Department records.

This report does not constitute an order or other appealable action of the Department. Nothing contained herein shall be deemed to grant or imply immunity from legal action for any violation noted herein.

Signature by the persons interviewed does not necessarily imply concurrence with the findings on this report, but does acknowledge that the person was shown the report or that a copy was left with the person.

Person Interviewed Sent Via 1<sup>st</sup> Class Mail  
(Signature)

Date 06/26/2014

Inspector   
(Signature)

Date 06/26/2014



Investigator: Walter F. Govern III Date: 05/20/2014  
 Weather Conditions: 60°F Sunny, Wind Calm Damp

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 Rd	0903	N	N	—	
Saucer	0906	SL	P	D	Chipped wood Odor @ Int. of Saucer & Shinersville.
Roberts Ave	0908	N	N	—	
Mixell Ave	0910	N	N	—	
Adams Ave	0911	N	N	—	
Riverside Dr	0915	N	N	—	
Radwinton Rd	0919	SL	I	D	Cut Grass Odor
L. Saucer Rd	0922	N	N	—	
Applebutter Rd	0924	SL	I	LFG	Slight Int. Landfill Gas Odor East of Intersection <sup>Applebutter Rd</sup> <sub>Radwinton Rd</sub>
Ringhofer Rd	0929	SL	I	LFG	
Easton Rd (West)	0931	SL	<del>P</del>	D	Cut Grass Odor
Easton Rd (East)	0933	SL	P	D	Cut Grass Odor
Ringhofer Rd.	0936	N	N	—	
Applebutter Rd.	0936	SL	I	LFG	
TEST Entrance	0937	N	N	—	
Applebutter Rd	0939	N	N	—	
Skyline Dr.	0945	N	N	—	
Skyline Dr.	0947	N	N	—	

Odor Patrol Conducted as part of Routine Inspection, dated 05/20/2014  
 eFACTS Inspection ID # 2275385



Investigator: Walter F. Coverdell & Estley Date: 05/28/2014  
 Weather Conditions: Cloudy 69°F w/ wind of WSW @ 5 mph

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 Rd	0927	N	N	---	Tree + Shrub trimming activities along Shinersville Rd.
Saucers Ave	0929	N	N	---	<del>Septic Service observed operating on Roberts Ave</del>
Roberts Ave	0930	N	N	---	<del>Septic Service observed operating on Roberts Ave</del>
Mixsell Ave	0933	SL	I	O	Floral Fragrance
Adams Ave	0934	N	N	---	
Riverside Dr. + Jefferson Ave	0936	SL	I	LFG	Slight Intermittent LFG odor. Intermittent
Riverside Dr.	0939	N	N	---	
Redington Rd.	0942	SL	I	O	Mild odor @ 90' turn
Lower Saucers Rd	0944	N	N	---	
Applebutter Rd	0947	SL	P	O	Asphalt work being done on Applebutter Rd.
Ringhoffer Rd.	0949	N	N	---	
Easton Rd. (West)	0953	N	N	---	
Easton Rd. (East)	0955	N	N	---	
Ringhoffer Rd.	0957	N	N	---	
Applebutter Rd.	0958	N	N	---	
Entrance to IESI	0958	N	N	---	
Applebutter Rd.	1000	N	N	---	Site Observation - Wind out of
Skyline (East)	1004	N	N	---	



Investigator: Walter F. Govers III Date: 06/02/2014  
 Weather Conditions: Sunny 78°F Winds out of S at 12mph. clear  
 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
Skimmersville Rd	1340	N	N	-	
Saucers Ave.	1341	SL	P	O	Woody odors @ Intersection. Skimmersville Rd.
Roberts Ave.	1342	SL	P	O	Floral Odor
Missell Ave.	1344	N	N	-	
Adams Ave.	1345	N	N	-	
Riverside Dr.	1349	SL	I	O	Aromatic/Oil Odor from the Sullyard on Riverside Dr.
Redington Dr.	1355	N	N	-	
L. Saucers Rd.	1357	N	N	-	
Applebutter Rd.	1400	N	N	-	
Roughoffer Rd.	1403	N	N	-	
Easton Rd (East)	1404	N	N	-	
Easton Rd (East)	1407	N	N	-	
L. Saucers Rd.	1410	N	N	-	
Wessegas Rd	1412	N	N	-	
Wilhelm Rd.	1415	N	N	-	
Apple St.	1417	N	N	-	
Mackinbird Hill Rd	1420	N	N	-	
L. Saucers Rd.	1421	N	N	-	

eFACTS ID # 2275390

**IESI PA BETHLEHEM LANDFILL  
ODOR PATROL SURVEY**

Investigator: Walter F. Govers III Date: Dec/02/2014  
 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
Easton Rd	1423	N	N	-	
Ringbutter Rd.	1426	N	N	-	
Applebutter Rd.	1427	N	N	-	
Entrance to IESI	1427	N	N	-	
Applebutter Rd.	1430	N	N	-	
Skyline Dr. (East)	1434	N	N	-	
Skyline Dr. (West)	1438	N	N	-	
Applebutter Rd.	1439	M	P	S	Sewage odor from Bethlehem WWTP
Shinersville Rd.	1440	SL	P	S	Sewage odor from Bethlehem WWTP
End Odor Patrol	1440	-	-	-	

**Govern, Walter**

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**From:** Allen Schleyer <aschleyer@iesi.com>  
**Sent:** Thursday, June 19, 2014 9:55 AM  
**To:** Govern, Walter  
**Subject:** FW: New wave of complaints to get gas data for...

BRE	IESI FLARE SCFM
5/22 @ 4:57PM Flow: 2067 scfm Vacuum: -75.9 "H2O	1190

5/22 @ 6:48PM Flow: 2054 scfm Vacuum: -75.9 "H2O	1184
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5/22 @ 10:34PM Flow: 2083 scfm Vacuum: -75.9 "H2O	1135
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5/24 @ 9:20PM Flow: 2272 scfm Vacuum: -82.0 "H2O	1191
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5/24  
There were no turbine shutdowns  
Avg. Flow: 2156 scfm            1064 - AVG. no shutdowns  
Avg. Vacuum: -79.8 "H2O

5/25  
There were no plant shutdowns  
Avg. Flow: 2136 scfm            982 avg with a shutdown between 04:47am  
to 09:49am then 1199 avg.  
Avg. Vacuum: -73.4 "H2O

5/28  
The turbine was shutdown the entire day due to a forced outage from PPL to accommodate switchgear maintenance.

IESI Flare	
5/28 @ 10:33am	2803
5/28 @ 4:01 pm	2788
5/28 @ 4:47 pm	2750
5/28 @ 7:32 pm	2737

BRE	IEI FLARE
5/31 @ 8:04PM Flow: 2051 scfm Vacuum: -85.7 "H2O	1255 scfm

Al Schleyer  
Compliance Manager

IESI  
A Progressive Waste Solutions Company

T: 610-317-3200 Bethlehem  
T: 717-709-1700 Blue Ridge  
C: 484-357-3135

IESI PA Blue Ridge Landfill  
PO Box 399  
Scotland, PA 17254

IESI PA Bethlehem Landfill  
2335 Apple Butter Road  
Bethlehem, PA 18015

[www.iesi.com](http://www.iesi.com)<<http://www.iesi.com/>>

From: Govern, Walter [<mailto:wgovern@pa.gov>]  
Sent: Tuesday, June 03, 2014 10:37 AM  
To: Allen Schleyer  
Subject: New wave of complaints to get gas data for...

Here's a new wave of complaints...

5/22 @ 4:57 pm  
5/22 @ 6:48 pm  
5/22 @ 10:34 pm  
5/24 @ 9:20 pm  
5/24 - No Time (Ave Gas data for day)  
5/25 - No Time (Ave Gas data for day)  
5/28 @ 10:33 am  
5/28 @ 4:01 pm  
5/28 @ 4:47 pm  
5/28 @ 7:32 pm  
5/31 @ 8:04 pm

Could you please collect gas data for these dates and times (with the exception of 5/24 & 5/25, Ave daily data will work for those).

Thanks All!

Walter F. Govern III | Solid Waste Specialist Department of Environmental Protection | Waste Management Bethlehem District Office  
4530 Bath Pike | Bethlehem, PA 18017-9074  
Phone: 610.861.2136 | Fax: 610.861.2072  
[www.dep.state.pa.us](http://www.dep.state.pa.us)<<http://www.dep.state.pa.us>>

## Govern, Walter

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**From:** Allen Schleyer <aschleyer@iesi.com>  
**Sent:** Tuesday, May 27, 2014 1:09 PM  
**To:** Govern, Walter  
**Cc:** Sam Donato  
**Subject:** FW: Request for Gas Management Data for Odor Complaints

Wally;

BRE and Bethlehem Flare data for the requested date/times

BRE	Bethlehem Flare SCFM
4/20/14 @ 3:56 PM 1999 scfm -75.5 "H2O	940
4/20/14 @ 7:31 PM 1998 scfm -76.8 "H2O	896
4/25/14 @ 7:36 PM 2162 scfm -84.9 "H2O	887
4/28/14 @ 8:10 PM 2178 scfm -87.5 "H2O	913
5/8/14 @ 4:29 PM 2173 scfm -85.5 "H2O	1053
5/8/14 @ 8:11 PM 2161 scfm -85.5 "H2O	1134
5/9/14 @ 1:54 PM 2194 scfm -85.9 "H2O	1079
5/12/14 @ 8:43 AM 2108 scfm -80.1 "H2O	1351
5/13/14 @ 9:06 PM 2183 scfm	1443

-83.4 "H2O

5/14/14 @7:55 PM

Flare - loss of PPL three phase

power

The was not running due to a loss of utility power.

Al Schleyer

Compliance Manager

IESI

A Progressive Waste Solutions Company

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T: 717-709-1700 Blue Ridge

C: 484-357-3135

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PO Box 399

Scotland, PA 17254

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Bethlehem, PA