



# pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BETHLEHEM DISTRICT OFFICE

March 5, 2015



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

Attn: Mr. Jack Cahalan

Re: IESI PA Bethlehem Landfill  
Permit # 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 610-861-2150.

Sincerely,

Jessica Wagoner  
Solid Waste Specialist  
Waste Management Program

**ROUTING**

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

Orig

Enclosure

4530 Bath Pike | Bethlehem, Pennsylvania 18017-9074

610.861.2070 | Fax 610-861-2072

Printed on Recycled Paper

www.depweb.state.pa.us

Web



## INSPECTION REPORT – MUNICIPAL WASTE LANDFILL

Site I.D. <u>255983</u>	Telephone # <u>610-317-3200</u>
Site Name <u>IESI PA BETHLEHEM LANDFILL</u>	Operator Name <u>IESI PA BETHLEHEM LANDFILL</u>
Address <u>2335 APPLEBUTTER RD</u>	Address <u>2335 APPLEBUTTER RD</u>
<u>BETHLEHEM, PA 18015</u>	<u>BETHLEHEM, PA 18015</u>
Municipality <u>8924 LOWER SAUCON</u>	County <u>NORTHAMPTON</u>
Responsible Official <u>SAMUEL DONATO, JR.</u>	Title <u>PA DISTRICT MANAGER</u>
Person Interviewed <u>AL SCHLEYER</u>	Title <u>COMPLIANCE MANAGER</u>
Inspector <u>Jessica Wagoner</u>	Title <u>Solid Waste Specialist</u>
eFACTS ID # <u>PF 268729</u>	<u>SF 266826</u>

Comment: \_\_\_\_\_

Inspection Date: 2/24/2015 Type: Routine Complete Results: No Resolved: / /  
/Complaint **Violations**

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>12/31/2015</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)-(l)	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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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 2/24/15

**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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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 type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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 of 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 type="checkbox"/>	<input checked="" 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 type="checkbox"/>	<input checked="" 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

Site Name IESI PA BETHLEHEM LANDFILL  
 ID Number 100020  
 Date 2/24/15

**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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gas venting and monitoring in accordance with approved plans.	<input type="checkbox"/>	273.292(a)-(d)	90
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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 2/24/15 Identification Number 100200

Company/Facility/Site Name IESI PA Bethlehem Landfill

On February 24, 2015 this inspector conducted a routine inspection and a complaint investigation at IESI PA Bethlehem Landfill ("IESI"). Ms. Tara Redding, Air Quality Specialist, was also present on behalf of the Department. Mr. Al Schleyer, Compliance Manager, and Mr. Sam Donato, PA District Manager, were present on behalf of IESI.

The weather at this time was described as 10.2° F, 37% humidity, a SSW wind at 4.6mph, and partly cloudy.

### February 24, 2015 Complaint Investigation

Prior to entering the landfill Ms. Redding and this inspector conducted a complaint investigation in response to four odor complaints received by the Department. Complainants #1 and #4 alleged the odor was coming from IESI. Complainants #2 and #3 described the odor as a propane odor.

An odor patrol was conducted in the Steel City area from 1030-1044 hours. No landfill related odors or propane odors were detected at this time.

At 1046 hours Ms. Redding and this inspector arrived at the residence of Complainant #1. When approaching the complainant's residence a very slight, intermittent sewage odor was detected, no landfill related odors were detected. The complainant stated they were not experiencing odors at this time. They stated that they called the Department at 0734 hours when they were experiencing a faint gas odor. They noted that the wind was from the east at this time. At 0811 hours they detected a garbage odor and again noted wind from the east. At 0830 hours they contacted the Department again when they were experiencing a strong gas odor that they could detect in their house. At 0949 hours the odors dissipated.

At 1112 hours Ms. Redding and this inspector arrived at the residence of Complainant #2. No one was home at this time. While at the complainants a slight, intermittent wood burning odor was detected.

At 1118 hours Ms. Redding and this inspector arrived at the residence of Complainant #3. No odors were detected upon arrival. The complainant stated they were not experiencing odors at this time. They stated that earlier that they were experiencing a strong rotten egg/gas odor. While meeting with the complainant a slight, intermittent wood burning odor was detected.

At 1129 hours Ms. Redding and this inspector arrived at the residence of Complainant #4. No odors were detected upon arrival. The complainant stated that they were not experiencing odors at this time. They stated that at 0810 hours they detected a strong gas odor and called the Department at 0837 hours. They stated the odor was still present at 0910 hours.

From 1149-1246 hours Ms. Redding and this inspector continued conducting an odor patrol in the areas surrounding IESI. A slight, intermittent landfill gas odor was detected along Riverside Dr. No other landfill related odors were detected at this time. A copy of the odor patrol log is attached.

### Site Tour

During the site tour the working face was observed. The working face was located in Stage 2 Cell D. Three trucks were unloading at this time. A moderate working face odor was detected in the immediate area of the working face.

No tracking was observed along Applebutter Rd or along internal access roads. Some litter was observed onsite. IESI had a litter crew onsite at this time.

Landfill gas was being sent to the flare. The gas flow was 3050 scfm and the flare temperature was 1659°F. Bethlehem Renewable Energy ("BRE") was down at this time. BRE went down at ~2030 hours on February 23, 2015 due to a high oxygen alarm. At that time the flare at IESI increased the gas flow to ~2500scfm. This morning at ~0845 hours Mr. Schleyer started the larger blower at the flare to increase the gas flow to ~3100-3500 scfm. IESI had SCS come in to evaluate the gas well field. There did not appear to be any issues with the gas well field and the gas quality was 0.6% oxygen and 51% methane at the flare.

During the site tour landfill gas odors were detected onsite along the MSE wall. The odors were slight to moderate and persistent.

Mr. Donato stated that he traveled to IESI along Ringhoffer Rd., and Applebutter Rd. at ~0750 hours and did not detect any odors.

Mr. Donato stated that he conducted an odor patrol in Steel City from 0910-0930 hours and did not detect any propane or landfill related odors.

### Records Review:

Daily tonnage- Records were reviewed from February 1 to present. There did not appear to be any exceedances. Highest daily tonnage was 2/10/15 at 1099.55 tpd.

Overweight trucks- Records were reviewed from February 1- present. IESI recorded 26 overweight trucks for this time period.

Insurance- The policy expires 12/31/15.

Radiation detector calibration- The stationary and handheld detectors were calibrated 6/9/14.

Daily background checks- records were reviewed from January 26, 2015 to present and appear complete.

Radiation hits- Since the last inspection there were 2 hits.

Date	Source
02/05/15	I-131
02/23/15	I-131

Scale Calibration- The scale was calibrated on 12/30/14.

Leachate flow- The leachate flow for January 2015 was 804,879 gallons. There is no leachate in storage.

Nuisance Minimization Control Plan ("NMCP") - During this inspection I requested the most recent copy of the NMCP. IESI provided the copy submitted with the Southeastern Realignment application.

Complaints

Since the last routine complete inspection at IESI the Department has received 37 complaints. The attached spreadsheet lists data collected for these complaints. In addition, complaints were followed up with an odor patrol conducted by the Department. IESI's daily operations records were reviewed for these dates. No violations were noted regarding these complaints.

This concludes this inspection/investigation as no violations were noted.



Person Interviewed Sent via First Class Mail Date 3/5/15  
(Signature)

Inspector Jessica Waynor Date 3/5/15  
(Signature)

WASTE MANAGEMENT FIELD AIR MONITORING DATA FORM

Facility/Case/Complaint:  
IESI PA BETHLEHEM LANDFILL

Weather Conditions:

10.2°F, SSW @ 4. WMPN, 37% humidity, partly cloudy

Investigator(s): Jessica Wagner & Tara Redding

Date: 2/24/15

Action Levels

> 10%  
< 2.5 (%) > 23.5  
> 10ppm  
> 35ppm  
Gasoline > 300, Fuel Oil > 100

MONITORING LOCATION	TIME	LOWER EXPLOSIVE LIMIT (%)	OXYGEN (%)	HYDROGEN SULFIDE (PPM)	CARBON MONOXIDE (PPM)	PID (Meter Units)	Other	COMMENTS & OBSERVATIONS (Odor Intensity-Duration-Description / Weather Issues, etc.)
Main + Shimersville	1030	0	20.8	0	0	0.17	3.41	Slight persistent sewage odor
Roberts + Sullivan	1032	0	20.8	0	0	0.07	1.05	No odor
Snyder + Roberts	1033	0	21.2	0	0	0.06	1.23	No odor
Snyder + Matthews	1034	0	20.8	0	0	0.05	1.20	No odor
Mixsell + Adams	1036	0	20.8	0	0	0.07	1.28	No odor
Adams + Johnston	1038	0	20.8	0	0	0.06	1.20	Very slight, intermittent wood burning odor
Fritz + Schwab	1039	0	21.0	0	0	0.25	1.49	Slight, intermittent vehicle exhaust odor
Riverside + Matthews	1041	0	20.8	0	0	0.06	1.15	No odor
Schwab + Snyder	1044	0	20.8	0	0	0.06	1.01	No odor
Johnston	1046	0	20.8	0	0	0.07	0.91	Very slight, intermittent sewage odor.
Johnston	1112	0	20.8	0	0	0.15	1.21	Slight, intermittent wood burning odor
Mixsell	1118	0	20.8	0	0	0.11	0.02	Slight, intermittent wood burning odor
Schwab + Fritz	1126	0	20.8	0	0	0.11	0.42	No odor
Fritz	1129	0	20.8	0	0	0.12	0.53	No odor
Riverside Dr.	1149	0	20.8	0	0	0.12	0.28	Near Hill Climb - No odor
Field Instrument MSA MultiGas								Calibration Date/Initial JW 2/24/15
Field Instrument PID								Calibration Date/Initial TAR 2/24/15
Field Instrument FID								Calibration Date/Initial TAR 2/24/15

WASTE MANAGEMENT FIELD AIR MONITORING DATA FORM

Facility/Case/Complaint:  
IESI PA BETHLEHEM LANDFILL

Weather Conditions:

See page 1

Investigator(s): JW PTR

Date: 2/24/15

Action Levels	> 10%
	< 9.5 (%) > 23.5
	> 10ppm
	> 35ppm
	Gasoline > 300, Fuel Oil > 300

MONITORING LOCATION	TIME	LOWER EXPLOSIVE LIMIT (%)	OXYGEN (%)	HYDROGEN SULFIDE (PPM)	CARBON MONOXIDE (PPM)	PID (Meter Units)	Other	COMMENTS & OBSERVATIONS (Odor Intensity-Duration-Description / Weather Issues, etc.)
Riverside	1152	0	20.8	0	0	0.13	FID	
Redington+Riverside	1158	0	20.8	0	0	0.14	0.78	"In dip" After Hill Climb - Slight intermittent LFG
Redington+L. Saucan	1202	0	20.8	0	0	0.14	0.04	No odor
Applebutter/Shermy Hill	1206	0	20.8	0	0	0.13	0.12	No odor
Shermy Hill	1208	-	-	-	-	-	-	No odor
Easton Rd.	1212	-	-	-	-	-	-	No odor - Near Columbia Gas Station
Lower Saucan	1218	-	-	-	-	-	-	No odor
Easton Rd	1219	-	-	-	-	-	-	Slight intermittent mercaptan like (propene)
Ringhofer	1220	-	-	-	-	-	-	No odor
Ringhofer	1222	0	20.8	0	0	0.18	0	No odor
Applebutter	1224	-	-	-	-	-	-	No odor
Skyline (Grand)	1231	0	20.8	0	0	0.30	-0.33	No odor
IESI parking lot	1246	0	20.8	0	0	0.19	0.05	No odor

Field Instrument	See page 1	Calibration Date/Initial	
Field Instrument		Calibration Date/Initial	
Field Instrument		Calibration Date/Initial	

# IESI ODOR COMPLAINT LOG (2335 Applebutter Rd, Bethlehem, PA 18017)

Weather Data (Allentown KATZ) www.wunderground.com										Gas Management Data			
Date	Time	Address	Distance from Landfill (miles)	Skies	Temperature	Wind (out of)	Residence / Drive-by	Description / Notes	Flare (scfm)	BRC (scfm)	Total (scfm)	Date of Initial Response	Addressed In Insp Report Dated
01/28/15	2130 hrs	Saucen Ave, Steel City	0.883	Clear	25.0°F	NW @ 5.8mph	Residence	Very strong garbage odor on property	1149	2254	3403	2/24/2015	2/24/2015
01/28/15	2136 hrs	Fritz Ave, Steel City	0.950	Clear	25.0°F	NW @ 5.8mph	unknown	Strong odor coming from IESI	1144	2277	3421	1/30/2015	2/24/2015
01/29/15	1430 hrs	Fritz Ave, Steel City	0.950	Overcast	27.0°F	NNE @ 4.6mph	unknown	Reporting garbage odors	1155	2279	3434	1/30/2015	2/24/2015
02/03/15	Unknown	Steel City	Unknown	Snow	Unknown	Avg. NW @ 12 mph	unknown	Garbage odors	1116	2285	3411	2/24/2015	2/24/2015
02/03/15	Unknown	Steel City	Unknown	Snow	Avg. 28.0°F	Avg. SSE @ 6.9mph	unknown	Garbage odors	1369	1673	3042	2/24/2015	2/24/2015
02/03/15	2022 hrs	Johnston Ave, Bethlehem	1.170	Light snow	30.2°F	ESE @ 5.8 mph	unknown	Strong odor coming from IESI, started around 7:05 hrs	1530	1675	3205	2/11/2015	2/24/2015
02/03/15	2226 hrs	Fritz Ave, Steel City	0.950	Light snow	30.2°F	ESE @ 6.9mph	unknown	Strong odor from IESI	1516	1653	3169	2/11/2015	2/24/2015
02/11/15	2042 hrs	Johnston Ave, Steel City	1.170	Clear	26.4°F	Calm	unknown	Strong odor from IESI	1131	2221	3372	2/17/2015	2/24/2015
02/11/15	2044 hrs	Riverside Drive, Bethlehem	1.290	Clear	26.4°F	Calm	unknown	Strong odor from IESI	1149	2193	3342	2/17/2015	2/24/2015
02/11/15	2053 hrs	Schwab Ave, Bethlehem	1.190	Clear	26.4°F	Calm	unknown	Strong odor from IESI	1162	2238	3400	2/17/2015	2/24/2015
02/11/15	2059 hrs	Fritz Ave, Steel City	0.950	Clear	26.4°F	Calm	unknown	Strong odor from IESI	1137	2268	3405	2/17/2015	2/24/2015
02/11/15	2058 hrs	Adams Ave, Steel City	0.923	Clear	26.4°F	Calm	unknown	Strong odor from IESI	1155	2249	3404	2/17/2015	2/24/2015
02/11/15	2030 hrs	Matthews Ave, Steel City	Unknown	Clear	26.4°F	Calm	unknown	Garbage odor	1155	2249	3404	2/17/2015	2/24/2015
02/14/15	1900 hrs	Johnston Ave, Bethlehem	1.170	Partly cloudy	18°F	ENE @ 6.9mph	Residence	Landfill odor on callers property	1157	2211	3368	2/17/2015	2/24/2015
02/14/15	1910 hrs	Snyder Ave, Bethlehem	0.883	Partly cloudy	18°F	ENE @ 6.9mph	Residence	Landfill odor on callers property	1100	2254	3354	2/17/2015	2/24/2015
02/14/15	1918 hrs	Michael Ave, Steel City	0.795	Partly cloudy	18°F	ENE @ 6.9mph	Residence	Landfill odor on callers property	1135	2264	3379	2/17/2015	2/24/2015
02/14/15	1920 hrs	Saucen Ave, Steel City	0.883	Partly cloudy	18°F	ENE @ 6.9mph	Residence	Landfill odor on callers property	1098	2267	3365	2/17/2015	2/24/2015
02/14/15	1924 hrs	Michael Ave, Steel City	0.801	Partly cloudy	18°F	ENE @ 6.9mph	Residence	Landfill odor on callers property	1110	2277	3387	2/17/2015	2/24/2015
02/14/15	1923 hrs	Michael Ave, Steel City	1.082	Partly cloudy	18°F	ENE @ 6.9mph	Residence	Landfill odor on callers property	1102	2269	3371	2/17/2015	2/24/2015
02/14/15	1930 hrs	Fritz Ave, Steel City	0.950	Overcast	21.2°F	ENE @ 4.6mph	Residence	Landfill odor on callers property	1130	2262	3361	2/17/2015	2/24/2015
02/14/15	1932 hrs	Lynnwood Ave, Steel City	1.077	Overcast	21.2°F	ENE @ 4.6mph	Residence	Landfill odor on callers property	1119	2262	3361	2/17/2015	2/24/2015
02/14/15	2023 hrs	Schwab Ave, Bethlehem	1.080	Overcast	21.2°F	ENE @ 4.6mph	Residence	Landfill odor on callers property	1104	2242	3346	2/17/2015	2/24/2015
02/14/15	2124 hrs	Michael Ave, Steel City	0.795	Overcast	21.2°F	ENE @ 4.6mph	Residence	Landfill odor on callers property	1140	2226	3366	2/17/2015	2/24/2015
02/14/15	Unknown	Jefferson Ave, Steel City	0.741	Overcast	21.2°F	ENE @ 4.6mph	Residence	Landfill odor on callers property	1128	2252	3380	2/17/2015	2/24/2015
02/14/15	1900 hrs	Ginney Ave, Riverside Dr, Matthews Ave, Saucen Ave, & Fritz Ave.	Unknown	Overcast	21.2°F	ENE @ 4.6mph	Residence	Landfill odor on callers property	1076	2253	3329	2/17/2015	2/24/2015
02/17/15	1102 hrs	Johnston Ave, Steel City	1.110	Clear	18°F	Calm-no wind	Residence	Reporting gas odors on property the last few days	2539	0	2539	2/17/2015	2/24/2015
02/18/15	0637 hrs	Lynnwood Ave, Steel City	1.077	Haze	10°F	Calm	Residence	Strong malodor from IESI on property.	1624	1801	3425	2/18/2015	2/24/2015
02/18/15	0700 hrs	Johnston Ave, Steel City	1.170	Haze	1.9°F	Calm	Residence	Strong malodor from IESI on property.	1614	1837	3451	2/18/2015	2/24/2015
02/20/15	0702 hrs	Johnston Ave, Steel City	Unknown	Hazy	-0.9°F	W @ 1.6, 1.1mph	Drive-by	Trash-like odor and intermittent sweetness throughout Steel City.	2483	0	2483	2/24/2015	2/24/2015
02/21/15	1730 hrs	Johnston Ave, Steel City	1.170	Snow	23.0°F	S @ 9.2mph	Residence	Strong odor from IESI	2538	0	2538	2/24/2015	2/24/2015
02/24/15	0742 hrs	Schwab Ave, Steel City	1.190	Clear	-7.1°F	Calm	unknown	no comment	2525	0	2525	2/24/2015	2/24/2015
02/24/15	0745 hrs	Riverside Drive, Bethlehem	Unknown	Clear	-7.1°F	Calm	unknown	no comment	2595	0	2595	2/24/2015	2/24/2015
02/24/15	0815 hrs	Johnston Ave, Steel City	0.980	Clear	-4.0°F	NW @ 4.6mph	Residence	Sweet, pungent odor like a propane additive.	2504	0	2504	2/24/2015	2/24/2015
02/24/15	0823 hrs	Michael Ave, Steel City	0.796	Clear	-4.0°F	NW @ 4.6mph	Residence	Propane gas odor right now.	2528	0	2528	2/24/2015	2/24/2015
02/24/15	0833 hrs	Fritz Ave, Steel City	0.950	Clear	-4.0°F	NW @ 4.6mph	Residence	no comment	2516	0	2516	2/24/2015	2/24/2015
02/24/15	0834 hrs	Johnston Ave, Steel City	0.980	Clear	-4.0°F	NW @ 4.6mph	Residence	Landfill odor.	2506	0	2506	2/24/2015	2/24/2015



**IESI Bethlehem Landfill**  
**Southeastern Realignment Application**  
**Nuisance Minimization and Control Plan – Summary**

IESI PA Bethlehem Corporation ("IESI") has submitted an application for the Southeastern Realignment of the IESI Bethlehem Landfill, which proposes to maximize the disposal capacity of the site within the current landfill permit boundary and almost entirely within the disposal footprint of the existing facility. This application does not propose any change in the currently approved average or maximum daily volumes, nor in the hours or days of waste receipt or operations. In its barest terms, the proposed project simply extends the operating life of the existing landfill by approximately 5.5 years. As such, the measures currently in place at the site will continue to be effective to minimize and control potential nuisances associated with the operation of the solid waste disposal facility. These measures comply with the Department's municipal waste management regulations, including 25 Pa. Code §273.136, and were previously approved by the Department for the IESI PA Bethlehem Landfill. For convenience, the Table below summarizes the monitoring aspects of these measures. For each measure, the Table identifies the principal monitoring program to verify that the measure is implemented and the record keeping system used to document the effectiveness of the measure. This summary may not be exhaustive of all design elements and operational procedures employed at the site that relate to nuisance minimization or control, and this Table is not intended to limit IESI's ability to utilize other measures if nuisance conditions arise.

POTENTIAL NUISANCE	MINIMIZATION/MITIGATION MEASURE	MONITORING PROGRAM <sup>1</sup>	RECORD KEEPING/REPORTING <sup>2</sup>
Odors <sup>3</sup>	Cover (daily, intermediate and final) Waste Acceptance Plan	Weekly inspection (at a minimum) Initial approval followed by review of each incoming load	Daily operations records Initial approval and annual confirmation; daily logs for each load; Daily, quarterly and annual operations records
	Active Gas Collection and Flare System	Gas Monitoring and Control Plan	Continuous (flare, weather); Daily (perimeter checks); Monthly (well field balance); Quarterly (surface monitoring)
	Working Face Management Small (~100 x 100) and line Sprayers	Inspection During Waste Disposal	Continuous (weather); Daily operations records
	Leachate Seep Control	Weekly inspection (at a minimum)	Daily operations records

POTENTIAL NUISANCE	MINIMIZATION/MITIGATION MEASURE	MONITORING PROGRAM <sup>1</sup>	RECORD KEEPING/REPORTING <sup>2</sup>
Dust <sup>3</sup>	Access Roads – Construction Perimeter Checks Access Roads – Maintenance (sweeper vehicle/water truck) Dust Monitors (if needed) Vegetate disturbed areas Waste Acceptance Plan	Inspection during and end of construction, then periodic Daily inspection Periodic inspection Daily inspection Initial approval followed by review of each incoming load	Certification of Construction Daily operations records Continuous (weather); Daily operations records Daily operations records Initial approval and annual confirmation; daily logs for each load; Daily, quarterly and annual operations records
Mud <sup>3</sup>	No Open Burning Access Roads – Construction Access Roads – Maintenance (sweeper vehicle/water truck)	Daily inspection Inspection during and end of construction, then periodic Daily inspection	Daily operations records Certification of Construction Daily operations records
Vectors <sup>3</sup>	Cover (daily, intermediate and final) Licensed Extermination Services	Weekly inspection (at a minimum) Inspections by Landfill Manager and observations by landfill personnel	Daily operations records Daily operations records
Litter <sup>3</sup>	Tarps and covers on vehicles Working Face Management – small size and water spray Prompt placement of daily cover Litter fencing Litter patrol	Inspection of each incoming load Inspection during waste disposal Weekly inspection (at a minimum) Daily inspection Weekly inspection, and as needed	Scale-house records Continuous (weather); Daily operations records Daily operations records Daily operations records Daily operations records
Noise <sup>3</sup>	Equipment fitted with proper mufflers Onsite speed limit at 10 m.p.h.	Daily observation Daily observation	Daily operations records Daily operations records
	Backup Motion Sensor system Hours of operation	Daily observation Daily observation	Daily operations records Daily operations records
Traffic <sup>3,4</sup>	Vehicle Weight Monitoring <sup>5</sup>	Weigh each incoming load	Scale-house records

B0029031

b/1162.3/SER/NMCP Summary

POTENTIAL NUISANCE	MINIMIZATION/MITIGATION MEASURE	MONITORING PROGRAM <sup>1</sup>	RECORD KEEPING/REPORTING <sup>2</sup>
	Vehicle signage <sup>3</sup>	Inspection of each incoming load	Scale-house records
	Leaky Load <sup>5</sup>	Inspect each incoming load	Scale-house records
	Act 90 documentation <sup>5</sup>	Inspect each incoming load	Scale-house records
	Route compliance <sup>5</sup>	Routine observation and monthly landfill advisory committee	Daily operations records
	Traffic Compliance (speed limits, school bus routes, mud/liter) <sup>5</sup>	Routine observation (transportation compliance personnel)	Daily operations records
Runoff	Soil Erosion and Sediment Control Plan	Inspections after each rain event, daily and weekly	Daily operations records
	Access Roads -- Construction	Inspection during and end of construction, then periodic	Certification of Construction
Leachate	Liner System	Construction QA/QC and certification	Certification of Construction
	Leachate Management System	Continuous monitor via electronic sensors, and routine observation	Daily operations records
	Groundwater Monitoring System	Quarterly and annual sampling	Quarterly and Annual operations records
	Groundwater Abatement System	Quarterly and annual sampling	Quarterly and Annual operations records

1 - As site conditions warrant, but at least annually, IESI will review the compliance history of the facility (during preparation of the Annual Operations Report) and evaluate whether adjustments to existing operations are required to address nuisance conditions. Pursuant to such review, if an increase in nuisance conditions is identified, IESI will evaluate the occurrence of such conditions to determine whether a correlation exists with any of the meteorological monitoring data collected for the facility, and will incorporate such information into an appropriate response.

2 - The Landfill Manager encourages all Landfill personnel to report any safety hazards, public nuisances, or anything that may pose a threat to public health or the environment. The Landfill Manager maintains a log of all reports and any complaints from residents and/or the Department relative to nuisances. In addition, relevant construction and operational records note unusual conditions and corrective actions when taken, and these documents are open to regular review by the Department and Township inspectors.

3 - If IESI receives a complaint from a neighboring property owner or from an occupant along the approach routes regarding concerns with odors, dust, mud, vectors, litter, noise or traffic related to Landfill activities, IESI investigates the complaint and reports the findings to the complainant. A record of the complaint and the findings are recorded on the daily operations record.

4 - The Transportation Compliance Plan for the IESI Bethlehem Landfill provides for periodic review of the Plan and an evaluation of whether adjustments to the Plan are needed to minimize and mitigate potential conditions.

5 - Consistent with the TCP, IESI reserves the right to conduct random inspection of waste transportation vehicles.

B0029031

b/1162.3/SER/NMCP Summary

## **Wagoner, Jessica**

---

**From:** Allen Schleyer <aschleyer@iesi.com>  
**Sent:** Tuesday, March 03, 2015 11:13 AM  
**To:** Redding, Tara; Wagoner, Jessica  
**Subject:** Bethlehem IF Odor Complaint Log  
**Attachments:** PADEP Complaint Log.xlsx; Bethlehem LF odor complaint log January 2015.pdf; Bethlehem LF Flare chart 2-22-15 to3-2-15.pdf

Attached are the requested odor complaint logs and copy of the flare chart.

If you have any questions or need additional information please call or email.

Sincerely

### **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)

# IESI ODOR COMPLAINT LOG (2335 Applebutter Rd, Bethlehem, PA 18017)

Date	Time	Address	Distance from Landfill (miles)	Weather Data (Allentown KAE) <a href="http://www.wunderground.com">www.wunderground.com</a>		Temperature	Wind (out of)	Residence / Drivest-Description / Notes	Gas Management Data				Addressed in Insp Report Dated
				Skies	Winds				Flare (scfm)	BRE (scfm)	Total (scfm)	Date of Initial Response	
01/28/15	2130 hrs	Saucun Ave, Steel City	0.883	Clear	25.0° F	NW @ 5.8mph	Residence	Very strong garbage odor on property	1149	2254	3403	2/27/2015	
01/28/15	2136 hrs	Fritz Ave, Steel City	0.950	Clear	28.0° F	NW @ 5.8mph	?	Strong odor coming from IESI	1144	2277	3421	1/30/2015	
01/29/15	1430 hrs	Fritz Ave, Steel City	0.950	Overcast	27.0° F	NNE @ 4.6mph	?	Reporting garbage odors	1155	2279	3434	1/30/2015	
01/30/15	Unknown	Steel City	Unknown	Snow	Avg. 28.0° F	Avg. NW @ 12 mph	?	Garbage odors	1126	2285	3411		
02/01/15	Unknown	Steel City	Unknown	Snow	Avg. 28.0° F	Avg. SSE @ 6mph	?	Garbage odors	1369	1673	3042		
02/01/15	2022 hrs	Johnston Ave, Bethlehem	1.170	Light snow	30.2° F	ESE @ 5.8 mph	?	Strong odor coming from IESI, started around 2015 hrs	1590	1673	3209	2/11/2015	
02/01/15	2226 hrs	Fritz Ave, Steel City	0.950	Light snow	30.2° F	ESE @ 5.8 mph	?	Strong odor from IESI	1516	1633	3169	2/11/2015	
02/11/15	2042 hrs	Johnston Ave, Steel City	1.170	Clear	26.1° F	Calm	?	Strong odor from IESI	1151	2221	3372	2/17/2015	
02/11/15	2044 hrs	Riverside Drive, Bethlehem	1.290	Clear	26.1° F	Calm	?	Strong odor from IESI	1149	2193	3342	2/17/2015	
02/11/15	2053 hrs	Schwab Ave, Bethlehem	1.190	Clear	26.1° F	Calm	?	Strong odor from IESI	1162	2238	3400	2/17/2015	
02/11/15	2053 hrs	Fritz Ave, Steel City	0.950	Clear	26.1° F	Calm	?	Strong odor from IESI	1137	2268	3405	2/17/2015	
02/11/15	2058 hrs	Adams Ave, Steel City	0.925	Clear	26.1° F	Calm	?	Strong odor from IESI	1155	2249	3404	2/17/2015	
02/11/15	~2030 hrs	Matthews Ave, Steel City	Unknown	Clear	26.1° F	Calm	?	Strong odor	1157	2249	3404	2/17/2015	
02/14/15	1900 hrs	Johnston Ave, Bethlehem	1.170	Partly Cloudy	18° F	ENE @ 5.9mph	?	Residence Landfill odor on callers property	1157	2211	3368	2/17/2015	
02/14/15	1910 hrs	Snyder Ave, Bethlehem	0.883	Partly Cloudy	18° F	ENE @ 5.9mph	?	Residence Landfill odor on callers property	1100	2254	3354	2/17/2015	
02/14/15	1918 hrs	Mixsell Ave, Steel City	0.796	Partly Cloudy	18° F	ENE @ 5.9mph	?	Residence Landfill odor on callers property	1115	2264	3379	2/17/2015	
02/14/15	1920 hrs	Saucun Ave, Steel City	0.888	Partly Cloudy	18° F	ENE @ 5.9mph	?	Residence Landfill odor on callers property	1098	2267	3365	2/17/2015	
02/14/15	1924 hrs	Mixsell Ave, Steel City	0.801	Partly Cloudy	18° F	ENE @ 5.9mph	?	Residence Landfill odor on callers property	1110	2277	3387	2/17/2015	
02/14/15	1930 hrs	Fritz Ave, Steel City	0.950	Overcast	21.2° F	ENE @ 4.6mph	?	Residence Landfill odor on callers property	1130	2236	3366	2/17/2015	
02/14/15	1932 hrs	Ivywood Ave, Steel City	1.060	Overcast	21.2° F	ENE @ 4.6mph	?	Residence Landfill odor on callers property	1104	2242	3346	2/17/2015	
02/14/15	2023 hrs	Schwab Ave, Bethlehem	0.796	Overcast	21.2° F	ENE @ 4.6mph	?	Residence Landfill odor on callers property	1140	2226	3366	2/17/2015	
02/14/15	2124 hrs	Mixsell Ave, Steel City	0.796	Overcast	21.2° F	ENE @ 4.6mph	?	Residence Landfill odor on callers property	1128	2252	3380	2/17/2015	
02/14/15	Unknown	Jefferson Ave, Steel City	0.721	Overcast	21.2° F	ENE @ 4.6mph	?	Residence Landfill odor on callers property	1128	2252	3380	2/17/2015	
02/14/15	~1900 hrs	Quincy Ave, Riverside Dr, Matthews Ave, Saucun Ave, & Fritz Ave.	Unknown	Overcast	21.2° F	ENE @ 4.6mph	?	Residence Landfill odor on callers property	1076	2253	3329	2/17/2015	
02/17/15	1102 hrs	Johnston Ave, Steel City	1.110	Clear	18° F	Calm-no wind	?	Residence Reporting gas odors on property the last few days	2595	0	2595	2/17/2015	
02/18/15	0657 hrs	Ivywood Ave, Steel City	1.077	Clear	18° F	Calm-no wind	?	Residence Strong melador from IESI on property.	1624	1891	3425	2/18/2015	
02/18/15	0700 hrs	Johnston Ave, Steel City	1.170	Clear	18° F	Calm-no wind	?	Residence Strong melador from IESI on property.	1614	1897	3451	2/18/2015	
02/20/15	0707 hrs	Johnston Ave, Steel City	1.170	Clear	18° F	Calm-no wind	?	Residence Strong melador from IESI on property.	2483	0	2483	2/24/2015	
02/21/15	1730 hrs	Johnston Ave, Steel City	1.170	Clear	18° F	Calm-no wind	?	Residence Strong odor from IESI	2538	0	2538	2/24/2015	
02/21/15	0742 hrs	Johnston Ave, Steel City	1.170	Clear	18° F	Calm-no wind	?	Residence Strong odor from IESI	2525	0	2525	2/24/2015	
02/24/15	Unknown	Schwab Ave, Steel City	1.190	Clear	18° F	Calm-no wind	?	Residence Strong odor from IESI	2595	0	2595	2/24/2015	
02/24/15	Unknown	Riverside Drive, Bethlehem	Unknown	Clear	18° F	Calm-no wind	?	Residence no comment	2595	0	2595	2/24/2015	
02/24/15	0815 hrs	Johnston Ave, Steel City	0.980	Clear	18° F	Calm-no wind	?	Residence Sweet, pungent odor like a propane additive.	2504	0	2504	2/24/2015	
02/24/15	0823 hrs	Mixsell Ave, Steel City	0.796	Clear	18° F	Calm-no wind	?	Residence Propane gas odor right now.	2528	0	2528	2/24/2015	
02/24/15	0833 hrs	Fritz Ave, Steel City	0.950	Clear	18° F	Calm-no wind	?	Residence no comment	2516	0	2516	2/24/2015	
02/24/15	0834 hrs	Johnston Ave, Steel City	0.980	Clear	18° F	Calm-no wind	?	Residence Landfill odor.	2506	0	2506	2/24/2015	

BETHLEHEM LANDFILL

Date	Time	Flow (scfm)	Vac ("H2O)	Flare scfm	Wind Dom. Dir.	Speed mph
1/2/2015	2225 hrs	2146	-72.3	1418	NE	5 to 8
1/2/2015	2230 hrs	2144	-72.3	1416	NE	1.0
1/4/2015	2100 hrs	2258	-72.3	1412	NE	7
1/5/2015	1149 hrs	2172	-72.3	1412	NNE	to 10
1/6/2015	1900 hrs	2138	-70.4	1356	NE	5 max
1/6/2015	1907 hrs	2123	-70.4	1356	NE	5 max
1/28/2015	2130 hrs	2254	-68.7	1149	NNW	4 max
1/28/2015	2136 hrs	2277	-68.7	1144	nnw	4
1/29/2015	1430 hrs	2279	-68.7	1155	Wind	4-Feb
1/30/2015	unknown	2285	-68.7	1126		average value



## Wagoner, Jessica

---

**From:** PMdeLeon <pmdeleon@aol.com>  
**Sent:** Saturday, February 14, 2015 8:27 PM  
**To:** 'Pris deLeon (gmail)'; 'Jim Birdsall (E-mail)'; 'Chris Taylor'; 'Lauressa McNemar'; 'Rich Sichler'; 'Jack Cahalan'; 'Jake Schray'; 'Donna Louder'; 'Haz Hijazi'  
**Cc:** 'Allen Schleyer'; 'Leslie Huhn'; 'Chris Garges'; 'linc treadwell'; Bellas, Roger; Wagoner, Jessica; Fisher, Dean J  
**Subject:** another odor complaint 2/14/2015 RE: more odor complaints in Steel City - 2/11/2015 strong garbage odor

FYI

Hi!

I was contacted by several Steel City residents again tonight regarding odor complaints in Steel City on Saturday, February 14, 2015 around 7:00 pm. I also smelled the strong garbage odor. The residents live in the area of Riverside Drive, Johnston Avenue, Matthews Avenue, Mixsell Avenue, Saucon Avenue and Fritz Avenue.

It is the same odor as on Applebutter Road near IESI Bethlehem Landfill.

We all called PADEP to report the odor.

Thank you!

*Pris deLeon*

Email: [deLeon.Priscilla@gmail.com](mailto:deLeon.Priscilla@gmail.com), Cell: 610-216-0566

---

**From:** Pris deLeon (gmail) [<mailto:deleon.priscilla@gmail.com>]  
**Sent:** Thursday, February 12, 2015 12:10 PM  
**To:** 'Pris deLeon (gmail)'; 'Jim Birdsall (E-mail)'; 'Chris Taylor'; 'Lauressa McNemar'; 'Rich Sichler'; 'Jack Cahalan'; 'Jake Schray'; 'Donna Louder'; 'Haz Hijazi'  
**Cc:** 'Allen Schleyer'; 'Leslie Huhn'; 'Chris Garges'; 'linc treadwell'; 'Bellas, Roger'  
**Subject:** more odor complaints in Steel City - 2/11/2015 strong garbage odor

FYI

Hi!

I was contacted by several Steel City residents again regarding garbage odor complaints in Steel City on Wednesday, February 11, 2015 around 8:30 pm in the area of Riverside Drive, Johnston Avenue, Matthews Avenue and Fritz Avenue. Same odor as on Applebutter Road near IESI Bethlehem Landfill.

They did call PADEP to report the odor.

Thank you.

*Pris deLeon*

Email: [deLeon.Priscilla@gmail.com](mailto:deLeon.Priscilla@gmail.com), Cell: 610-216-0566

---

**From:** PMdeLeon [<mailto:pmdeleon@aol.com>]  
**Sent:** Monday, February 2, 2015 4:20 PM  
**To:** 'Pris deLeon (gmail)'; 'Jim Birdsall (E-mail)'; 'Chris Taylor'; 'Lauressa McNemar'; 'Rich Sichler'; 'Jack Cahalan'; 'Jake Schray'; 'Donna Louder'; 'Haz Hijazi'

Cc: 'Allen Schleyer'; 'Leslie Huhn'; 'Chris Garges'; 'linc treadwell'

Subject: more odor complaints 1/30 & 2/1 RE: 1/28/2015 strong garbage odor at residence

Hi!

I was contacted by several Steel City residents regarding garbage odor complaints again in Steel City on Friday, January 30 and Sunday, February 1, 2015 who called DEP to report the odor on each day.

Thank you,

*Pris deLeon*

Email: [deLeon.Priscilla@gmail.com](mailto:deLeon.Priscilla@gmail.com), Cell: 610-216-0566

---

**From:** Pris deLeon (gmail) [<mailto:deleon.priscilla@gmail.com>]

**Sent:** Thursday, January 29, 2015 9:55 AM

**To:** 'Jim Birdsall (E-mail)'; Chris Taylor; 'Lauressa McNemar'; Rich Sichler; 'Jack Cahalan'; Jake Schray; Donna Louder; Haz Hijazi; 'Pris deLeon (gmail)'

**Cc:** Allen Schleyer; 'Leslie Huhn'; 'Chris Garges'; linc treadwell

**Subject:** 1/28/2015 strong garbage odor at residence

Hi!

Just wanted to let you know that at 9:30 pm on 1/28/2015 I called PADEP to report a very strong garbage odor that Leon and I smelled at our property. Please make note of this incident.

Thanks so much!

*Pris deLeon*

Email: [deLeon.Priscilla@gmail.com](mailto:deLeon.Priscilla@gmail.com), Cell: 610-216-0566

"It is horrifying that we have to fight our own government to save the environment." Ansel Adams

## Wagoner, Jessica

---

**From:** PMdeLeon <pmdeleon@aol.com>  
**Sent:** Sunday, February 15, 2015 2:50 PM  
**To:** 'Pris deLeon (gmail)'; 'Jim Birdsall (E-mail)'; 'Chris Taylor'; 'Lauressa McNemar'; 'Rich Sichler'; 'Jack Cahalan'; 'Jake Schray'; 'Donna Louder'; 'Haz Hijazi'  
**Cc:** 'Allen Schleyer'; 'Leslie Huhn'; 'Chris Garges'; 'linc treadwell'; Bellas, Roger; Wagoner, Jessica; Fisher, Dean J  
**Subject:** RE: another odor complaint 2/14/2015 RE: more odor complaints in Steel City - 2/11/2015 strong garbage odor

Hi

I would like to add Quincy Ave to list for the 2/14/2014 strong landfill odor complaint.

For the 2/14 complaint:

Riverside Drive, Johnston Avenue, Matthews Avenue, Mixsell Avenue, Saucon Avenue, Fritz Avenue and Quincy Avenue .

*Pris deLeon*

Email: [deLeon.Priscilla@gmail.com](mailto:deLeon.Priscilla@gmail.com), Cell: 610-216-0566

---

**From:** PMdeLeon [<mailto:pmdeleon@aol.com>]  
**Sent:** Saturday, February 14, 2015 8:27 PM  
**To:** 'Pris deLeon (gmail)'; 'Jim Birdsall (E-mail)'; 'Chris Taylor'; 'Lauressa McNemar'; 'Rich Sichler'; 'Jack Cahalan'; 'Jake Schray'; 'Donna Louder'; 'Haz Hijazi'  
**Cc:** 'Allen Schleyer'; 'Leslie Huhn'; 'Chris Garges'; 'linc treadwell'; 'Bellas, Roger'; [jwagoner@pa.gov](mailto:jwagoner@pa.gov); [defisher@pa.gov](mailto:defisher@pa.gov)  
**Subject:** another odor complaint 2/14/2015 RE: more odor complaints in Steel City - 2/11/2015 strong garbage odor

FYI

Hi!

I was contacted by several Steel City residents again tonight regarding odor complaints in Steel City on Saturday, February 14, 2015 around 7:00 pm. I also smelled the strong garbage odor. The residents live in the area of Riverside Drive, Johnston Avenue, Matthews Avenue, Mixsell Avenue, Saucon Avenue and Fritz Avenue.

It is the same odor as on Applebutter Road near IESI Bethlehem Landfill.

We all called PADEP to report the odor.

Thank you!

*Pris deLeon*

Email: [deLeon.Priscilla@gmail.com](mailto:deLeon.Priscilla@gmail.com), Cell: 610-216-0566

---

**From:** Pris deLeon (gmail) [<mailto:deleon.priscilla@gmail.com>]  
**Sent:** Thursday, February 12, 2015 12:10 PM  
**To:** 'Pris deLeon (gmail)'; 'Jim Birdsall (E-mail)'; 'Chris Taylor'; 'Lauressa McNemar'; 'Rich Sichler'; 'Jack Cahalan'; 'Jake Schray'; 'Donna Louder'; 'Haz Hijazi'  
**Cc:** 'Allen Schleyer'; 'Leslie Huhn'; 'Chris Garges'; 'linc treadwell'; 'Bellas, Roger'  
**Subject:** more odor complaints in Steel City - 2/11/2015 strong garbage odor

FYI

Hi!

I was contacted by several Steel City residents again regarding garbage odor complaints in Steel City on Wednesday, February 11, 2015 around 8:30 pm in the area of Riverside Drive, Johnston Avenue, Matthews Avenue and Fritz Avenue. Same odor as on Applebutter Road near IESI Bethlehem Landfill.

They did call PADEP to report the odor.

Thank you.

*Pris deLeon*

Email: [deLeon.Priscilla@gmail.com](mailto:deLeon.Priscilla@gmail.com), Cell: 610-216-0566

---

**From:** PMdeLeon [<mailto:pmdeleon@aol.com>]

**Sent:** Monday, February 2, 2015 4:20 PM

**To:** 'Pris deLeon (gmail)'; 'Jim Birdsall (E-mail)'; 'Chris Taylor'; 'Lauressa McNemar'; 'Rich Sichler'; 'Jack Cahalan'; 'Jake Schray'; 'Donna Louder'; 'Haz Hijazi'

**Cc:** 'Allen Schleyer'; 'Leslie Huhn'; 'Chris Garges'; 'linc treadwell'

**Subject:** more odor complaints 1/30 & 2/1 RE: 1/28/2015 strong garbage odor at residence

Hi!

I was contacted by several Steel City residents regarding garbage odor complaints again in Steel City on Friday, January 30 and Sunday, February 1, 2015 who called DEP to report the odor on each day.

Thank you,

*Pris deLeon*

Email: [deLeon.Priscilla@gmail.com](mailto:deLeon.Priscilla@gmail.com), Cell: 610-216-0566

---

**From:** Pris deLeon (gmail) [<mailto:deleon.priscilla@gmail.com>]

**Sent:** Thursday, January 29, 2015 9:55 AM

**To:** 'Jim Birdsall (E-mail)'; 'Chris Taylor'; 'Lauressa McNemar'; 'Rich Sichler'; 'Jack Cahalan'; 'Jake Schray'; 'Donna Louder'; 'Haz Hijazi'; 'Pris deLeon (gmail)'

**Cc:** 'Allen Schleyer'; 'Leslie Huhn'; 'Chris Garges'; 'linc treadwell'

**Subject:** 1/28/2015 strong garbage odor at residence

Hi!

Just wanted to let you know that at 9:30 pm on 1/28/2015 I called PADEP to report a very strong garbage odor that Leon and I smelled at our property. Please make note of this incident.

Thanks so much!

*Pris deLeon*

Email: [deLeon.Priscilla@gmail.com](mailto:deLeon.Priscilla@gmail.com), Cell: 610-216-0566

"It is horrifying that we have to fight our own government to save the environment." Ansel Adams

## Wagoner, Jessica

---

**From:** Fisher, Dean J  
**Sent:** Tuesday, March 03, 2015 12:24 PM  
**To:** Wagoner, Jessica  
**Subject:** More emails for next IESI report.  
**Attachments:** RE: Odor Complaints 2-24-2015; Re: Odor Complaints 2-24-2015

## Wagoner, Jessica

---

**From:** PMdeLeon <pmdeleon@aol.com>  
**Sent:** Tuesday, February 24, 2015 12:23 PM  
**To:** Fisher, Dean J  
**Cc:** manager@lowersaucontownship.org; 'deLeon, Priscilla'; 'Chris Taylor'; 'James Birdsall'; Leslie Huhn  
**Subject:** RE: Odor Complaints 2-24-2015

Dean,  
Thanks so much for all DEPs efforts. Hopefully we will find the cause. I am away in NY state so I wasn't at home today.  
Thanks again

Pris deLeon  
Email: [deLeon.Priscilla@gmail.com](mailto:deLeon.Priscilla@gmail.com), Cell: 610-216-0566

-----Original Message-----

**From:** Fisher, Dean J [<mailto:defisher@pa.gov>]  
**Sent:** Tuesday, February 24, 2015 9:31 AM  
**To:** manager@lowersaucontownship.org; priscilla deLeon; deLeon, Priscilla ([deleon.priscilla@gmail.com](mailto:deleon.priscilla@gmail.com)); Tom Maxfield; 'Chris Taylor' ([ctaylor@hanovereng.com](mailto:ctaylor@hanovereng.com)); James Birdsall ([jbirdsall@hanovereng.com](mailto:jbirdsall@hanovereng.com))  
**Cc:** Allen Schleyer - IESI; Sam Donato - IESI  
**Subject:** Odor Complaints 2-24-2015  
**Importance:** High

FYI - PADEP (AQ and WM Programs) is currently responding to reports of strong offsite gas odors in Steel City and the area of IESI PA Bethlehem Landfill.

Dean J. Fisher | Solid Waste District Supervisor Department of Environmental Protection Waste Management Program | Operations Compliance Enforcement Bethlehem District Office - Carbon, Lehigh, Monroe & Northampton Counties  
4530 Bath Pike | Bethlehem, PA 18017-9074  
Phone: 610.861.2063 | Fax: 610.861.2072  
[www.dep.state.pa.us](http://www.dep.state.pa.us)<<http://www.dep.state.pa.us>>

## Wagoner, Jessica

---

**From:** Chris Taylor <ctaylor@hanovereng.com>  
**Sent:** Tuesday, February 24, 2015 10:24 AM  
**To:** Fisher, Dean J  
**Cc:** manager@lowersaucontownship.org; priscilla deLeon; Priscilla deLeon (deleon.priscilla@gmail.com); Tom Maxfield; James Birdsall (jbirdsall@hanovereng.com); Allen Schleyer - IESI; Sam Donato - IESI  
**Subject:** Re: Odor Complaints 2-24-2015

Dean, thank you. We await the report of the Department's findings.

---

**From:** "Dean J Fisher" <defisher@pa.gov>  
**To:** manager@lowersaucontownship.org, "priscilla deLeon" <PmdeLeon@aol.com>, "Priscilla deLeon (deleon.priscilla@gmail.com)" <deleon.priscilla@gmail.com>, "Tom Maxfield" <TMaxfield@lowersaucontownship.org>, "Chris Taylor" (ctaylor@hanovereng.com)" <ctaylor@hanovereng.com>, "James Birdsall (jbirdsall@hanovereng.com)" <jbirdsall@hanovereng.com>  
**Cc:** "Allen Schleyer - IESI" <aschleyer@iesi.com>, "Sam Donato - IESI" <sjdonato@iesi.com>  
**Sent:** Tuesday, February 24, 2015 9:31:13 AM  
**Subject:** Odor Complaints 2-24-2015

FYI – PADEP (AQ and WM Programs) is currently responding to reports of strong offsite gas odors in Steel City and the area of IESI PA Bethlehem Landfill.

**Dean J. Fisher** | Solid Waste District Supervisor  
Department of Environmental Protection  
Waste Management Program | Operations Compliance Enforcement  
Bethlehem District Office – Carbon, Lehigh, Monroe & Northampton Counties  
4530 Bath Pike | Bethlehem, PA 18017-9074  
Phone: 610.861.2063 | Fax: 610.861.2072  
[www.dep.state.pa.us](http://www.dep.state.pa.us)

## **Wagoner, Jessica**

---

**From:** Fisher, Dean J  
**Sent:** Thursday, February 12, 2015 2:50 PM  
**To:** Wagoner, Jessica  
**Subject:** RE: more odor complaints in Steel City - 2/11/2015 strong garbage odor

Please follow-up on these as usual. Thanks.

**Dean J. Fisher** | Solid Waste District Supervisor  
Department of Environmental Protection  
Waste Management Program | Operations Compliance Enforcement  
Bethlehem District Office – Carbon, Lehigh, Monroe & Northampton Counties  
4530 Bath Pike | Bethlehem, PA 18017-9074  
Phone: 610.861.2063 | Fax: 610.861.2072  
[www.dep.state.pa.us](http://www.dep.state.pa.us)

---

**From:** Allen Schleyer [<mailto:aschleyer@iesi.com>]  
**Sent:** Thursday, February 12, 2015 2:27 PM  
**To:** Wagoner, Jessica  
**Cc:** Fisher, Dean J  
**Subject:** FW: more odor complaints in Steel City - 2/11/2015 strong garbage odor

fyi

---

**From:** Pris deLeon (gmail) [<mailto:deleon.priscilla@gmail.com>]  
**Sent:** Thursday, February 12, 2015 12:10 PM  
**To:** 'Pris deLeon (gmail)'; 'Jim Birdsall (E-mail)'; 'Chris Taylor'; 'Lauressa McNemar'; 'Rich Sichler'; 'Jack Cahalan'; 'Jake Schray'; 'Donna Louder'; 'Haz Hijazi'  
**Cc:** Allen Schleyer; 'Leslie Huhn'; 'Chris Garges'; 'linc treadwell'; 'Bellas, Roger'  
**Subject:** more odor complaints in Steel City - 2/11/2015 strong garbage odor

FYI

Hi!

I was contacted by several Steel City residents again regarding garbage odor complaints in Steel City on Wednesday, February 11, 2015 around 8:30 pm in the area of Riverside Drive, Johnston Avenue, Matthews Avenue and Fritz Avenue. Same odor as on Applebutter Road near IESI Bethlehem Landfill.

They did call PADEP to report the odor.

Thank you.

*Pris deLeon*

Email: [deLeon.Priscilla@gmail.com](mailto:deLeon.Priscilla@gmail.com), Cell: 610-216-0566

---

**From:** PMdeLeon [<mailto:pmdeleon@aol.com>]  
**Sent:** Monday, February 2, 2015 4:20 PM  
**To:** 'Pris deLeon (gmail)'; 'Jim Birdsall (E-mail)'; 'Chris Taylor'; 'Lauressa McNemar'; 'Rich Sichler'; 'Jack Cahalan'; 'Jake Schray'; 'Donna Louder'; 'Haz Hijazi'  
**Cc:** 'Allen Schleyer'; 'Leslie Huhn'; 'Chris Garges'; 'linc treadwell'  
**Subject:** more odor complaints 1/30 & 2/1 RE: 1/28/2015 strong garbage odor at residence

Hi!

I was contacted by several Steel City residents regarding garbage odor complaints again in Steel City on Friday, January 30 and Sunday, February 1, 2015 who called DEP to report the odor on each day.

Thank you,

*Pris deLeon*

Email: [deLeon.Priscilla@gmail.com](mailto:deLeon.Priscilla@gmail.com), Cell: 610-216-0566

---

**From:** Pris deLeon (gmail) [<mailto:deleon.priscilla@gmail.com>]

**Sent:** Thursday, January 29, 2015 9:55 AM

**To:** 'Jim Birdsall (E-mail)'; Chris Taylor; 'Lauressa McNemar'; Rich Sichler; 'Jack Cahalan'; Jake Schray; Donna Louder; Haz Hijazi; 'Pris deLeon (gmail)'

**Cc:** Allen Schleyer; 'Leslie Huhn'; 'Chris Garges'; linc treadwell

**Subject:** 1/28/2015 strong garbage odor at residence

Hi!

Just wanted to let you know that at 9:30 pm on 1/28/2015 I called PADEP to report a very strong garbage odor that Leon and I smelled at our property. Please make note of this incident.

Thanks so much!

*Pris deLeon*

Email: [deLeon.Priscilla@gmail.com](mailto:deLeon.Priscilla@gmail.com), Cell: 610-216-0566

"It is horrifying that we have to fight our own government to save the environment." Ansel Adams

**Additional Odor Patrol Logs**

Investigator: J Wagner Date: 11/30/15  
 Weather Conditions: 31.2°F, WSW @ 10.4 mph, 87% humidity, overcast

2339848 JWD  
 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
Shimmersville	9:52	SL	I	S	Near STP
Sullivan Ave	9:53	N			
Roberts Ave	9:53	N			
Snyder Ave	9:54	N			
Schwarz Ave	9:55	N			
Fritz Ave	9:56	N			
Johnston Ave	9:56	N			
Adams Ave	9:57	SL	I	D	woodburning
Mixsell Ave	9:57	N			
Mathews Ave	9:58	N			
Riverside Dr	10:08	N			
Rodington Rd	10:11	N			
Lower Saucan Rd	10:13	SL	I	O	woodburning
Sherry Hill Rd	10:14	N			
Ringhofer Rd	10:18	N			
Applegate Rd	10:20	N			
W Easton Rd	10:24	N			
Skyline DR	10:24	N			



# pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BETHLEHEM DISTRICT OFFICE

March 5, 2015

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

Attn: Mr. Jack Cahalan

Re: IESI PA Bethlehem Landfill  
Permit # 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 610-861-2150.

Sincerely,

A handwritten signature in cursive script that reads "Jessica Wagoner".

Jessica Wagoner  
Solid Waste Specialist  
Waste Management Program

Enclosure