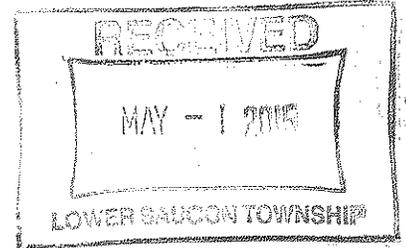




pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION
BETHLEHEM DISTRICT OFFICE



April 29, 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 *orig*
- Asst. Mgr.
- Zoning Enclosure
- Finance
- Police
- P. Works
- P/C
- P & R
- EAC
- Engineer
- Solicitor
- Planner
- Landfill
- EMC
- Other *Web*

4530 Bath Pike | Bethlehem, Pennsylvania 18017-9074

610.861.2070 | Fax 610-861-2072

Printed on Recycled Paper

www.depweb.state.pa.us



COMMONWEALTH OF PENNSYLVANIA
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
 BUREAU OF WASTE MANAGEMENT
 P.O. BOX 8472, HARRISBURG, PA 17105-8472

Inspection ID 2364956

Field Code NA

INSPECTION REPORT – MUNICIPAL WASTE LANDFILL

Site I.D. 255983
 Site Name IESI PA BETHLEHEM LANDFILL
 Address 2335 APPLEBUTTER RD
BETHLEHEM, PA 18015
 Municipality 8924 LOWER SAUCON
 Responsible Official SAMUEL DONATO, JR.
 Person Interviewed AL SCHLEYER
 Inspector Jessica Wagoner
 eFACTS ID # PF 268729 SF 266826

Telephone # 610-317-3200
 Operator Name IESI PA BETHLEHEM LANDFILL
 Address 2335 APPLEBUTTER RD
BETHLEHEM, PA 18015
 County NORTHAMPTON
 Title PA DISTRICT MANAGER
 Title COMPLIANCE MANAGER
 Title Solid Waste Specialist

Comment: Additional efacts # 2355229, 2356965, 2361304, 2361311, 2361314, 2364960, & 2358162

Inspection Date: 4/21/2015 Type: Routine Complete Results: **Violations** Resolved: 1/1
/Complaint **Noted**

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				
GENERAL PROVISIONS							
<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 type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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
DAILY OPERATIONS							
<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 10020
 Date 4/21/15

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				
				DAILY OPERATIONS (Cont'd)			
<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 type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 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				
DAILY OPERATIONS (Continued)							
<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 type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Litter controlled/collected and barriers/fences in place.	<input type="checkbox"/>	273.220(a)-(c)	51
COVER/SLOPES/REVEGETATION							
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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
WATER QUALITY PROTECTION							
<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
LINER SYSTEM							
<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
LEACHATE TREATMENT							
<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
WATER QUALITY MONITORING							
<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
RECORDKEEPING AND REPORTING							
<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
				MINERALS AND GAS	<input type="checkbox"/>		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 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
				EMERGENCY PROCEDURES			
<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
				RECYCLING			
<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
				SPECIAL HANDLING AND RESIDUAL WASTES			
<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 4/21/15 Identification Number 100200

Company/Facility/Site Name IESI PA Bethlehem Landfill

On April 21, 2015 Jessica Wagoner (this inspector) conducted a routine complete inspection at IESI PA Bethlehem Landfill (IESI). At the time of this inspection Ms. Tara Quinlivan, Air Quality Specialist, and Ms. Brandi Thear, AQ Environmental Trainee, were conducting a routine partial surface monitoring inspection at IESI. Mr. Allen Schleyer, Compliance Manager, was present on behalf of IESI.

The weather at this time was described as 55.4° F, SW wind @ 13.8mph, 58% humidity, and mostly cloudy.

Prior to entering the landfill an odor patrol was conducted in the surrounding areas. No landfill related odors were detected offsite. A copy of the odor patrol log is attached.

Site Tour

During the site tour it was noted that the flare was operating at 2677 scfm and 1672° F, landfill gas was also being sent Bethlehem Renewable Energy (BRE).

The working face was located in Cells 4B/4D Stage 2. Multiple trucks were observed unloading throughout this inspection.

Mr. Schleyer informed this inspector that Air Care installed a small odor neutralizer system and it is being operated on a trial basis. IESI has the existing North mister line thawed and in working condition, the status of the South line was unknown at this time. IESI plans to add approximately one thousand feet of additional mister line, but a Request for Determination (RFD) needs to be completed prior to installation. Mr. Schleyer also informed this inspector that the generator for the mister line went down last week and is not back online yet.

It was noted that the western slope was being graded and grass seed was being applied. This inspector inquired about IESI's plans to seed and mulch the intermediate slopes. Mr. Schleyer said that this issue is being discussed internally at this time.

While accompanying the Department's Air Quality (AQ) staff during the surface monitoring inspection, landfill gas odors were detected along the top of the landfill, and the southern and western slopes of the landfill. The landfill gas odors detected on the top of the landfill were light and varied in duration. The landfill gas odors detected along the southern slope were slight to moderate at times and varied in duration. The landfill gas odors detected along the western slope in the area of new cell construction were moderate to strong and persistent. This inspector noted that the AQ staff recorded methane readings >500ppm in twenty one areas. These areas included gas wells, leachate cleanouts, condensate knockouts, and washouts in the intermediate cover. Refer to the April 21, 2015 Air Quality report for the results of the surface monitoring inspection.

While walking the slopes this inspector noted significant flagging of waste in the intermediate cover on the southern slope. Moderate litter blown from the working face was also noted along the southern slope. A potential leachate seep was noted east of EW 4-26. Some small washouts were noted on the southern slope. Leachate clean out (LC-24) had a slow drip leak at the cap. Leachate clean out (LC-23) had some soil settlement under the pipe causing a gap, landfill gas odors in this area were strong and the methane reading at this location was >10,000ppm.

This inspector notified IESI of the flagging, litter, washouts, potential leachate seep, and leaking leachate cleanout and their need for attention as the intermediate cover is not meeting performance standards.

Records Review:

Daily tonnage- Records were reviewed from April 1-23. There did not appear to be any exceedances. Highest daily tonnage was 1745.00 tpd.

Overweight trucks- Records were reviewed from April 1-23. IESI recorded 36 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 not reviewed for April; they will be reviewed during the May routine inspection.

Radiation hits- IESI had one hit since the last inspection.

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

Leachate flow- Flow was not reviewed at this time and will be reviewed during the May routine inspection.

Odor Patrol Logs- Logs were reviewed for dates that IESI staff conducted odor patrols.

Complaints (efacts # 2355229 (3/27/15), #2356965 (3/31/15), #2361304 (4/9/15), #2361311 (4/10/15), #2361314 (4/14/15), and #2364960 (4/21/15))

Since the last routine complete inspection at IESI the Department has received 52 complaints. The complaints were followed up with odor patrols conducted by the Department. IESI's daily operations records were reviewed for these dates. Copies of the odor patrols are attached to this report.

IESI was provided with a list of the dates and times of these complaints so that IESI could provide information on landfill gas being sent to the flare and to BRE at the time of the complaints.

Investigation of IESI and BRE Gas Management (efacts # 2358162)

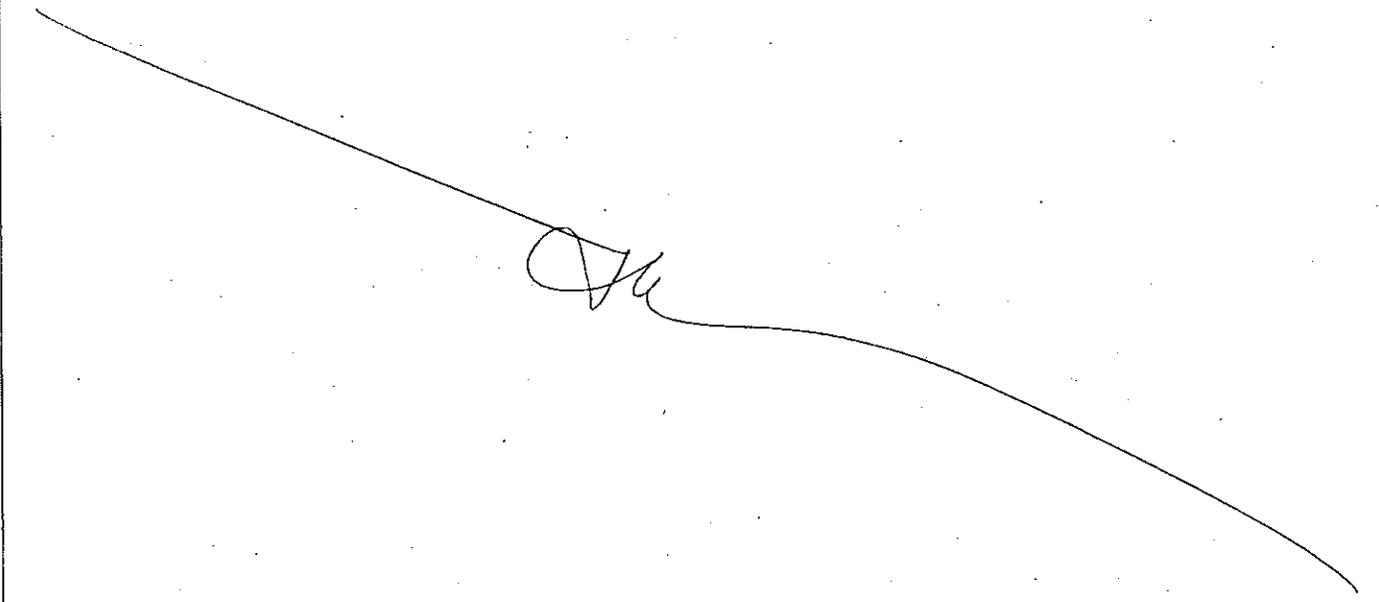
On April 6, 2015 this inspector conducted a file review and compared dates of IESI odor complaints with dates of startup, shutdown, and malfunction (SSM) events at BRE. This inspector also included dates of maintenance/activity at BRE that could potentially cause odors. A table is attached detailing the findings of the file review.

At this time there does not appear to be a correlation between BRE SSM events and IESI odor complaints. This inspector will continue to evaluate with the assistance of the Department's Air Quality Program.

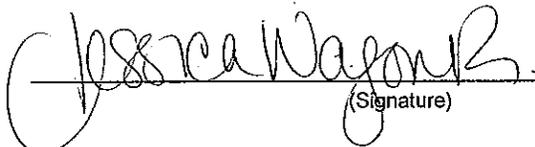
Violations

1. IESI failed to operate the landfill in accordance with approved plans and permit, in violation of 25 Pa Code §273.201 (c) (2).
2. IESI failed to maintain intermediate cover so as to prevent odors, and to cover solid waste after it is placed without change in its properties and without regard to weather, in violation of 25 Pa Code §273.233 (b) (1) and §273.233 (b) (2).
3. IESI failed to implement the gas control and monitoring plan approved under §273.171 (relating to the gas monitoring and control plan), in violation of 25 PA Code §273.292 (a).

This concludes this inspection as three violations were noted.



Person Interviewed ^{Certified} Sent via First Class Mail 70100780000085652946 Date 04/28/15
(Signature)

Inspector  Date 04/28/15
(Signature)

2395229

Investigator: Jessica Wagner Date: 3/27/15
 Weather Conditions: 35.3°F, 6mph W, overcast, 96% humidity

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
Main St.	0741	N			
Shimerville	0741	N			
Saucan	0742	N			
Saucan Cal-de-sac	0744	N			
Roberts	0745	N			
Snyder	0745	N			
Mathews	0746	N			
Mixsell	0747	SL	I	O	woodburning near Quincy Ave intersection
Jefferson	0749	N			
Adams	0750	N			
Johnston & Adams	0750	SL	I	O	woodburning
Johnston	0752	N			
Snyder	0752	N			
Schwab	0753	SL-M	I	O	woodburning 2000 block.
Fitz	0755	N			
Johnston	0756	N			
Jefferson	0757	N			
Riverside Dr.	0801	N			

Investigator: Jessica Magarek Date: 3/27/15
 Weather Conditions: _____

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
Redington	0804	N			
L. Saucan	0805	N			
L. Saucan	0806	N			
Sherry Hill	0809	N			
Ringhofer	0811	N			
Applebutter	0814	SL	I	O	woodburning/manure/burning brakes
Skyline	0818	SL	I	S + O	woodburning
Skyline Dead End	0820	N			W@3.5mph, 35.9°F, overcast, 90% humidity
Skyline	0823	SL-M	P	S	
Applebutter	0826	N			
Shimonsville	0827	N			
Riverside	0828	M	I	D	woodburning
Mathews	0828	N			
Tomnston	0829	SL	I	O	woodburning
Snyder	0830	SL	I	O	w
Roberts	0830	SL	I	O	w
Saucan (roadside)	0832	N			
Saucan	0833	N			

2350905

Investigator: Jessica Waggoner Date: 3/31/15
 Weather Conditions: 39.6°F clear, variable wind, 53% humidity

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
MAIN ST.	0908	N			
Shiversville	0909	N			
Saucan Ave	0909	SL	P	O	woodburning odor / garbage day
Saucan cul-de-sac	0910	N			garbage day
Roberts Ave	0912	N			garbage day
Mixsell Ave	0913	N			
Adams Ave	0914	N			
Johnston Ave	0915	N			garbage day
Johnston + Snudder	0915	SL	I	O	woodburning odor
Snudder Ave	0916	N			
SNUGGARD AVE	0917	N			
MATTHEWS AVE	0918	N			
Mixsell Ave	0918	N			
Adams Ave	0918	N			
JOHNSTON AVE	0919	N			
FITE AVE	0919	N			
RIVERSIDE DR.	0924	N			
Peavinton	0926	N			

2301304 SW

Investigator: Jessica Waggoner Date: 4/9/15
 Weather Conditions: 36.3°F NNE @ 7mph, overcast, 99% humidity

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
MAIN ST.	0718	N			
Shimmersville Rd.	0719	N			garbage truck traffic
Saucan Ave	0720	SL	I	O	woodburning near cul-de-sac, grass-day
Roberts Ave	0722	N			
Snyder Ave.	0722	N			
Schwartz Ave	0723	SL	I	O	woodburning road block.
Fritz Ave	0724	N			
Donston Ave	0725	SL	I	O	musty wet natur odor approaching Matthews Ave
Donston Ave	0726	SL	P	O	woodburning approaching Snyder Ave
Snyder Ave.	0727	N			
Roberts Ave.	0727	N			garbage day, port-o-potty on curb.
Mysell Ave.	0730	N			
Adams Ave	0731	N			
Riverside Dr.	0735	N			
Redington Dr.	0737	N			
Lowersduncan Rd.	0739	N			
Applebutta Rd.	0743	N			
Shimmersville Rd.	0745	S	P	S	Near STP.

2301311
JMS

Investigator: Jessica Waymond Date: 4/10/15
 Weather Conditions: 38.2°F @ 2.3 mph, overcast 99% humidity

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
Moun St	0734	N			
Shimerville	0734	SL	I	O	woodburning
Saucun Ave	0737	N			
Roberts Ave	0738	N			
Snyder Ave	0739	N			
Mathews Ave	0739	N			
Mixsell Ave	0740	N			
Adams Ave	0740	N			
Donston Ave	0742	M	P	O	woodburning approaching Snyder Ac.
Snyder Ave	0743	N			
Schwab Ave	0743	N			
Wurtz Ave	0743	N			
Riverside DR	0745	N			
Fritz Ave	0745	N			
Schwab Ave	0747	SL	I	O	woodburning
Snyder Ave	0747	N			
Mathews Ave	0748	N			
Riverside DR	0753	N			

Investigator: Jessica Waggoner Date: 4/10/15
 Weather Conditions: 40-80°F, variable wind @ 0 mph, overcast

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
Redington Rd.	0750	N			
Lancaster Rd.	0759	N			
Shemy Hill Rd.	0802	N			
Ringhart Rd.	0803	N			
Applebutter Rd.	0806	N			
Skylive Dr.	0810	N			
Applebutter Rd.	0810	N			
Shinersville Rd.	0817	S	P	S	Near STP
Exit Area	—	—			
Return to Area	—	—			
Freemansburg Ave	1322	N			
Main St.	1327	N			40-80°F, variable wind @ 0 mph, overcast,
Shinersville Rd.	1334	N			
Saucon Ave	1334	SL	P	O	Fresh cut wood & woodburning.
Saucon Canteen-sac	1336	N			
ROBERTS AVE	1337	N			
SNYDER AVE.	1338	N			
matthaus Ave	1338	N			

Investigator: Jessica Warner Date: 4/10/15
 Weather Conditions: see pg 2

IESI PA BETHLEHEM LANDFILL
 ODOR PATROL SURVEY

SURVEY LOCATION	TIME	ODOR INTENSITY S = Strong M = Moderate SL = Slight N = None	ODOR DURATION I = Intermittent P = Persistent N = None	ODOR DESCRIPTION EG = Rotten Egg LFG = Landfill Gas G = Garbage S = Sewage D = Dredge O = Other (describe)	COMMENTS & OBSERVATIONS
Mixsell Ave	1339	N			
Adams Ave	1339	N			
Johnston Ave	1342	SL	I	O & S	(approaching ^{west} trucks) sewage & gasoline (2000 block)
Snyder Ave	1343	N			
Schwarb Ave	1344	SL	I	O	waddburning
Wyatt Ave	1344	SL	P	O	waddburning
Riverside Dr	1345	SL	I	S	2000 block
Fritz Ave	1346	N			
Shawab Ave	1347	SL	I	S	47.1°F, SSE @ 0mph
Adams Ave	1348	N			
Riverside Dr	1349	SL	I	S	
Summersville Rd	1351	SL	P	O	waddburning
Applebutter Rd	1352	M	P	S	near skyline Dr. 47.0°F, SSE @ 2.3 mph
Skyline Dr	1357	N			
Applebutter Rd	1400	M	P	S	Approaching Summersville Rd
Summersville Rd	1407	SL	P	S	Applebutter Rd to Saucan Ave
Saucan Ave	1408	SL	P	O	sawdust & waddburning
Saucan Circle Rd	1409	N			

2301311

Investigator: Jessica Wagner Date: 4/10/15
 Weather Conditions: 47.1°F SSE @ 5.8 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
Robert Ave	1411	N			
Mixsell Ave	1412	N			
Adams Ave	1413	N			
Johnston Ave	1415	N			
Snyder Ave	1415	SL	I	S	
Schwab Ave	1417	N			
Fritz Ave	1418	N			47.1°F, SE @ 5.8 mph
Riverside Dr.	1423	N			
Redington Rd.	1426	N			3.5 mph SSE
Lowell Sullivan Rd.	1428	N			
Applebutter Rd.	1433	M-S	P	S	Approaching Summersville Rd.
Summersville Rd	1435	SL	P	S	Applebutter to Mason
Riverside Pl.	1436	SL	P	O	Wetburning
Mathews Ave	1437	SL	I	O	Dryer sheets 3000-4000 bldg.
Snyder Ave	1438	N			
Johnston Ave.	1439	N			
Schwab Ave	1440	SL	I	O	Wetburning
Summersville Rd	1441	SL	I	S + O	sewage + sanddust

2301314
 000

Investigator: J. Maconer / A. Faulstich Date: 4/14/15
 Weather Conditions: 60.1°F, NNW @ 5mph, overcast, 37% humidity
 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
Rt 412	1400	SL	P	S	
Shimmersville	1407	M	P	S	near plant.
Saucun Ave	1409	SL	I	O	burning yard waste
Roberts Ave	1411	N			
Snyder Ave	1411	N			
Johnston Ave.	1411	N			
Mixsell Ave	1412	N			
Adams Ave	1412	N			
Schwab Ave	1413	N			
Mathews Ave	1413	N			
Riverside Dr.	1418	N			
Redington Rd.	1420	N			
Lower Saucun Rd	1423	N			
Applebutter Rd.	1424	SL	I	O	wild burning near goats.
Shimmersville Rd.	1427	M-S	P	S	near sewage treatment & approaching Rt 412
Rt 512	1431	N			
Stefko Blvd.	1432	N			

2304900

Investigator: J. Wagner I. Quinnivan B. Meade Date: 4/21/15
 Weather Conditions: 55.4°F, Mostly cloudy, SW @ 13.8 mph, 58% humidity

**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
Main St.	0949	N			
Shinersville Rd.	0951	N			
Sullivan Ave	0953	N			garbage day
Roberts Ave.	0955	N			
Snyder Ave.	0955	N			
Mixsell Ave	0956	N			
Adams Ave.	0957	N			
Tanston Ave.	0957	SL	I	O	woodburning 2000 block
Tanston Ave	0958	N			
Snyder Ave	0959	N			
Schwab Ave	1001	N			
Fritz Ave	1001	N			
Riverside Dr.	1000	N			garbage day
Redington Rd.	1010	N			
Lower Sullivan Rd	1011	N			
Applebutter Rd.	1015	SL-M	I	O + S	manure near farm / sewage near STP
Skyline Dr.	1021	SL-M	I	S	near Applebutter Rd.
Applebutter Rd.	1031	SL	I	S	Sharp curve

Wagoner, Jessica

From: Schweitzer, Andrew
Sent: Tuesday, April 28, 2015 3:29 PM
To: Wagoner, Jessica
Subject: FW: FYI from Patricia Hulsizer - odor dates in Steel City FW: Landfill Odors

Andrew Schweitzer | Air Quality District Supervisor
Department of Environmental Protection
Northeast Region - Bethlehem District
4530 Bath Pike | Bethlehem, PA 18017
Phone: 610.861.2143 | Fax: 610.861.2072
www.depweb.state.pa.us

From: Jim Birdsall [<mailto:jbirdsall@hanovereng.com>]
Sent: Saturday, April 04, 2015 12:49 PM
To: Schweitzer, Andrew
Subject: Fwd: FYI from Patricia Hulsizer - odor dates in Steel City FW: Landfill Odors

Dear Andy, Here is a list from one of the residents. Jim

From: "PMdeLeon" <pmdeleon@aol.com>
To: manager@lowersaucontownship.org, "Leslie Huhn" <asstmgr@lowersaucontownship.org>, "linc treadwell" <lincwork@verizon.net>
Cc: "James Birdsall" <jbirdsall@hanovereng.com>, "Lauressa McNemar" <lmcnemarpe@verizon.net>, "Chris Taylor" <ctaylor@hanovereng.com>, "Jake Schray" <jschray@hanovereng.com>, "Rich Sichler" <rsichler@msn.com>, "Patricia Hulsizer" <paha@ptd.net>, "Haz Hijazi" <thehijazis@hotmail.com>, "Donna Louder" <dlouder2013@gmail.com>
Sent: Friday, April 3, 2015 7:47:29 PM
Subject: FYI from Patricia Hulsizer - odor dates in Steel City FW: Landfill Odors

Hi!
FYI

Thanks Patricia. I am forwarding your email to the township manager, administration and landfill consultants/committee.

Pris deLeon

Email: deLeon.Priscilla@gmail.com, Cell: 610-216-0566

From: Priscilla deLeon [<mailto:pdeleon@lowersaucontownship.org>]
Sent: Friday, April 3, 2015 7:12 PM
To: Priscilla deLeon
Subject: FW: Landfill Odors

*Priscilla deLeon, Councilwoman,
Lower Saucon Township
Cell 610-216-0566*

From: Patricia Hulsizer [paha@ptd.net]

Sent: Thursday, April 02, 2015 11:20 AM

To: Ron Horiszny; Tom Maxfield; Glenn Kern; Priscilla deLeon; David Willard

Subject: Landfill Odors

Listed below are the dates that an odor was detected in Steel City, Bethlehem PA. These are document with DEP, supposedly, after numerous calls were placed.

February

2/1/15 8:25 PM

2/9/15

2/11/15 8:38 PM

2/14/15 6:53 PM

2/18/15 6:43 AM

2/21/15 5:13 AM – 6:25 AM

2/24/15 7:34 AM – 9:17 AM

2/26/15 6:53 PM

March

3/3/15

3/10/15 3:44 PM

3/17/15 5:57 AM – 9:35 AM

3/20/15 6:54 AM – 9:12 AM

3/25/15 6:34 AM – 7:56 AM – 9:12 AM 4:24 PM – 5:30 PM

3/26/15 7:37 AM 7:37 AM – 8:51 AM

April

4/2/15 7:05 AM – 7:50 AM – 8:25 AM – 8:50 AM

Wagoner, Jessica

From: Allen Schleyer <aschleyer@iesi.com>
Sent: Thursday, April 16, 2015 1:13 PM
To: Quinlivan, Tara; Wagoner, Jessica
Cc: Ken Minton
Subject: FW: Bethlehem Landfill SSM summary 3-15

Follow Up Flag: Follow up
Flag Status: Flagged

The following is an update to the BRE Gas Turbine Generator / IESI Flare activity.

We had the following LFG Flare and BRE turbine shut downs at Bethlehem Landfill. Auto-valves closed as designed for each shutdown of the flare or turbine.

No odors were noted or odor complaints received by Bethlehem Landfill during the outage events. BRE is currently operating as the primary GCCS with the landfill flare as back-up.

03/04/15	Flare shutdown	13:31	To start turbine
	Flare startup	15:37	Duration 2 hr 6 min
	Flare shutdown	20:31	Hi temperature
	Flare startup	21:52	Duration 1 hr 21 min
03/11/15	Flare shutdown	07:15	To start turbine
	Turbine startup	08:11	Duration 56 min
	Flare startup	08:51	Duration 56 min then turbine running
03/17/15	Turbine shutdown	11:54	Maintenance
	Turbine startup	13:11	Flare running
	Turbine shutdown	15:17	Protective shutdown
	Turbine startup	15:26	Flare running
03/25/15	Turbine shutdown	20:55	Protective shutdown
03/26/15	Flare shutdown	00:20	To start turbine
	Turbine startup	00:59	Duration 39 min
	Flare startup	01:35	Duration 39 min then turbine running
	Flare shutdown	01:36	auto re-start Low temp shutdown – no flame alarm

call out did not reset.

called to troubleshoot and repair

Flare startup 12:01 Turbine running - malfunction noted and SCS was

Documentation is on file.

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

Wagoner, Jessica

From: Dee Raisner <dlraisner@iesi.com>
Sent: Friday, April 24, 2015 7:53 AM
To: Wagoner, Jessica
Subject: RE: IESI Inspection
Attachments: Scan 001.pdf

You are welcome and please do not apologize, I am here to help. See the attachment for the daily totals.

From: Wagoner, Jessica [<mailto:jwagoner@pa.gov>]
Sent: Friday, April 24, 2015 7:21 AM
To: Dee Raisner
Subject: RE: IESI Inspection

Hi Dee,

First, thank you for getting this information to me so quickly!

For the daily tonnage, I am looking for the tonnage each day so that I can verify it did not exceed your daily limit. Could you send the daily totals?

I apologize for creating extra work for you.

Thank you!
Jessica

From: Dee Raisner [<mailto:dlraisner@iesi.com>]
Sent: Friday, April 24, 2015 6:56 AM
To: Allen Schleyer
Cc: Wagoner, Jessica
Subject: RE: IESI Inspection

1. Tonnage for April 1-April 23 is **23,339.69 tons**
2. See attachment for overweight vehicles
3. Radiation – 1 load info attached

If you need any additional information, please let me know and I will forward it to you.
Dee

From: Allen Schleyer
Sent: Thursday, April 23, 2015 5:49 PM
To: Dee Raisner
Subject: FW: IESI Inspection

From: Wagoner, Jessica [<mailto:jwagoner@pa.gov>]
Sent: Thursday, April 23, 2015 2:33 PM

To: Allen Schleyer
Subject: IESI Inspection

Hi Al,

Could I please get the following information/records from you:

1. Daily tonnage April 1-23
2. Overweight trucks from April 1-present
3. Did you have any radiation hits in April?
4. Any information on odor patrols conducted in April

Could you get this to me by early afternoon tomorrow (Friday 4/24)? I will not be coming Monday for an inspection.

Once I update the complaint log I will forward it to you. I will not be including that log as a part of this inspection report.

If you have any questions give me a call.

Thanks,
Jessica

Jessica Wagoner | Solid Waste Specialist
Department of Environmental Protection | Waste Management Program
Bethlehem District Office
4530 Bath Pike | Bethlehem, PA 18017
Phone: 610.861.2150 | Fax: 610.861.2072
www.dep.state.pa.us

Day Number	Date	Total Daily Tonnage	ADC	Month QDAT	Day of Quarter	Quarter Tonnage	Quarter QDAT	Remaining Days	Remaining Quarter Tonnage
1	1-Apr	1497.76	0.0	1,497.8	1	1,497.8	1,497.8	77	105,752.2
2	2-Apr	1689.00	0.0	1,593.4	2	3,186.8	1,593.4	76	104,063.2
3	3-Apr	1337.23	0.0	1,508.0	3	4,524.0	1,508.0	75	102,726.0
5	6-Apr	1499.59	0.0	1,334.6	5	6,673.2	1,334.6	73	100,576.8
6	7-Apr	1745.00	0.0	1,403.0	6	8,418.2	1,403.0	72	98,831.8
7	8-Apr	1632.47	0.0	1,435.8	7	10,050.7	1,435.8	71	97,199.3
8	9-Apr	1738.09	0.0	1,473.6	8	11,788.8	1,473.6	70	95,461.2
9	10-Apr	1141.73	0.0	1,436.7	9	12,930.5	1,436.7	69	94,319.5
10	11-Apr	1499.09	0.0	1,345.0	10	14,296.6	1,345.0	68	93,520.4
11	13-Apr	1342.36	0.0	1,342.9	11	14,772.0	1,342.9	67	92,478.0
12	14-Apr	1032.04	0.0	1,317.0	12	15,804.0	1,317.0	66	91,446.0
13	15-Apr	1090.68	0.0	1,299.6	13	16,894.7	1,299.6	65	90,355.3
14	16-Apr	1085.35	0.0	1,284.3	14	17,980.0	1,284.3	64	89,270.0
15	17-Apr	862.63	0.0	1,256.2	15	18,842.7	1,256.2	63	88,407.3
17	20-Apr	840.09	0.0	1,170.0	17	19,890.7	1,170.0	61	87,359.3
18	21-Apr	1113.19	0.0	1,166.9	18	21,003.9	1,166.9	60	86,246.1
19	22-Apr	1110.22	0.0	1,163.9	19	22,114.1	1,163.9	59	85,135.9
20	23-Apr	1225.56	0.0	1,167.0	20	23,339.7	1,167.0	58	83,910.3
21	24-Apr				21			57	
22	25-Apr				22			56	
23	27-Apr				23			55	
24	28-Apr				24			54	
25	29-Apr				25			53	
26	30-Apr				26			52	
Month Total:		23339.69	0.0						

Quarter Total: 23339.69

April	23339.69
May	
June	

Wagoner, Jessica

From: Allen Schleyer <aschleyer@iesi.com>
Sent: Thursday, April 23, 2015 6:24 PM
To: Wagoner, Jessica
Subject: RE: IESI Inspection
Attachments: Odor patrol; Odor patrol; Odor control; Odor control; Odor control; Odor complaint; Odor complaint; Odor complaint; file in complaint log thanks

Jessica

Attached are some email odor patrols for April. Sorry for not getting them into a spreadsheet of sorts. I am taking Friday off and wanted to get you the information.

Any questions it is OK to call me tomorrow 484-357-3135.

Dee will reply to 1, 2 and 3.

AI

From: Wagoner, Jessica [<mailto:jwagoner@pa.gov>]
Sent: Thursday, April 23, 2015 2:33 PM
To: Allen Schleyer
Subject: IESI Inspection

Hi AI,

Could I please get the following information/records from you:

1. Daily tonnage April 1-23
2. Overweight trucks from April 1-present
3. Did you have any radiation hits in April?
4. Any information on odor patrols conducted in April

Could you get this to me by early afternoon tomorrow (Friday 4/24)? I will not be coming Monday for an inspection.

Once I update the complaint log I will forward it to you. I will not be including that log as a part of this inspection report.

If you have any questions give me a call.

Thanks,
Jessica

Jessica Wagoner | Solid Waste Specialist
Department of Environmental Protection | Waste Management Program
Bethlehem District Office
4530 Bath Pike | Bethlehem, PA 18017
Phone: 610.861.2150 | Fax: 610.861.2072
www.dep.state.pa.us

Wagoner, Jessica

From: Mike Shelden <mike.shelden@progressivewaste.com>
Sent: Wednesday, April 08, 2015 3:30 PM
To: Allen Schleyer; Lee Zimmerman
Subject: Odor complaint

Sitting at ivywood road 3:29 pm , their is no odors at this time.

Sent from the Samsung Galaxy Rugby Pro, an AT&T LTE smartphone

Wagoner, Jessica

From: Mike Sheldon <mike.shelden@progressivewaste.com>
Sent: Wednesday, April 08, 2015 3:34 PM
To: Allen Schleyer; Lee Zimmerman
Subject: Odor complaint

Sitting at corner of adams and jefferson 3:35pm. No odoes at this time

Sent from the Samsung Galaxy Rugby Pro, an AT&T LTE smartphone

Wagoner, Jessica

From: Mike Shelden <mike.shelden@progressivewaste.com>
Sent: Wednesday, April 08, 2015 3:38 PM
To: Allen Schleyer; Lee Zimmerman
Subject: Odor complaint

Move to Corner of Fritz and Johnston 3:38pm and find no odors of the landfill type at this time

Sent from the Samsung Galaxy Rugby Pro, an AT&T LTE smartphone

Wagoner, Jessica

From: Mike Sheldon <mike.shelden@progressivewaste.com>
Sent: Monday, April 20, 2015 9:10 AM
To: Allen Schleyer; Kyle Black; Lee Zimmerman
Subject: Odor control

Did drive through for odor control through steel at 8:30am. Also drove past hill climb and found no odors at this time

Sent from the Samsung Galaxy Rugby Pro, an AT&T LTE smartphone

Wagoner, Jessica

From: Mike Shelden <mike.shelden@progressivewaste.com>
Sent: Friday, April 10, 2015 3:01 PM
To: Allen Schleyer; Lee Zimmerman
Subject: Odor control

Did drive through for odor control at 2:50pm through steel city and past hill climb and found no odors at this time.

Sent from the Samsung Galaxy Rugby Pro, an AT&T LTE smartphone

Wagoner, Jessica

From: Mike Shelden <mike.shelden@progressivewaste.com>
Sent: Tuesday, April 21, 2015 7:50 AM
To: Allen Schleyer; Lee Zimmerman; Kyle Black
Subject: Odor control

Did drive through for odor control at 7:30am through steel city and past the hill climb down applebutter past ringhoffer and found no odors at this time.

Sent from the Samsung Galaxy Rugby Pro, an AT&T LTE smartphone

Wagoner, Jessica

From: Mike Shelden <mike.shelden@progressivewaste.com>
Sent: Wednesday, April 22, 2015 8:06 AM
To: Allen Schleyer; Lee Zimmerman; Kyle Black
Subject: Odor patrol

Did drive through for odor patrol at 7:45am through steel city , past hill climb, down applebutter and past ringhoffer and found no odors at this time.

Sent from the Samsung Galaxy Rugby Pro, an AT&T LTE smartphone

Wagoner, Jessica

From: Mike Shelden <mike.shelden@progressivewaste.com>
Sent: Thursday, April 23, 2015 8:07 AM
To: Allen Schleyer; Lee Zimmerman; Kyle Black
Subject: Odor patrol

Did drive through odor patrol at 7:35am

Sent from the Samsung Galaxy Rugby Pro, an AT&T LTE smartphone

Wagoner, Jessica

From: Allen Schleyer <aschleyer@iesi.com>
Sent: Thursday, April 23, 2015 5:26 PM
To: Bonnie Kuronya
Subject: file in complaint log thanks

Bonnie please include in the complaint log

I called Priscilla 4-10-15 (around 6pm) to discuss the wind direction function on her cell phone App vs. wind direction from the Bethlehem Landfill weather station. While speaking to Priscilla she stated that she could smell landfill odors faintly at her house when going out to the deck to let her dog out. I stated I would come right over to check since I was still at work. Priscilla said the odor probably be gone by the time I arrived. I went over to Saucon Avenue to check for odors and observed her neighbor out with his children. He stated he did not smell any landfill odors and there were no odors detected during the time I was there (6:30pm).

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

2358102

January 2015

Date	BRE Shutdown/ Maintenance	BRE Start-up	IESI Odor Complaint
1/1			
1/2			2225 hours
1/3			
1/4			
1/5	1026 hours- Veolia onsite to pump out condensate tank.		1149 hours
1/6	1010 hours- Shut down Compressor A for maintenance.		1907 hours
1/7			
1/8	0822 hours- Compressor B shutdown.		
1/9	1607 hours	1616-1629 hours	
1/10	0201 hours	1521-1544 hours	
1/11			
1/12			
1/13			
1/14			
1/15	1115 hours- Veolia onsite to pump out condensate tank.		
1/16	0915 hours- Veolia pumped out condensate tank. 1048 hours- Shutdown Compressor A for maintenance.		
1/17			
1/18			
1/19			
1/20			
1/21			
1/22			
1/23	1529 hours- Shutdown Compressor A for maintenance. 1530 hours	1617-1620 hours	
1/24			
1/25			
1/26			
1/27			
1/28	0930 hours- Veolia onsite to pump out condensate tank. 1338 hours- Shutdown Compressor A for maintenance.		2130 hours 2136 hours
1/29			1430 hours
1/30			Unknown
1/31	1237 hours- Compressor B shutdown. 1239 hours	1716-1719 hours	

February 2015

Date	BRE Shutdown/ Maintenance	BRE Start-up	IESI Odor Complaint
2/1			2022 hours 2226 hours
2/2			
2/3	1658 hours 1745 hours 1820 hours	1713-1721 hours 1756-1759 hours 1827-1830 hours	
2/4			
2/5	Shut down Compressor B for maintenance.		
2/6	0945 hours- Veolia onsite to pump out condensate tank. 1011 hours	1026-1029 hours	
2/7			
2/8			
2/9			Unknown time
2/10	0800 hours- replace oil filter on Compressor B.		
2/11			~2030 hours 2042 hours
2/12			
2/13	0945 hours- Russel Reid onsite to pump out condensate tank. 1244 hours- shut down Compressor A for maintenance.		
2/14			1900-2124 hours
2/15			
2/16	0414 hours		
2/17	0700 hours- turbine maintenance.	1443-1446 hours	1102 hours
2/18			0637-0700 hours
2/19	0750 hours- Russel Reid onsite to pump out condensate tank. 0844 hours- Maintenance on Compressor A. 2209 hours		
2/20		1156-1159 hours	0707 hours
2/21	0209 hours 1624 hours	1026-1047 hours 2227-2250 hours	1730 hours
2/22			
2/23	2010 hours		
2/24	BRE DOWN		0742-0834 hours
2/25	BRE DOWN		
2/26	BRE DOWN		1843-1933 hours
2/27	BRE DOWN		
2/28	BRE DOWN		