



pennsylvania

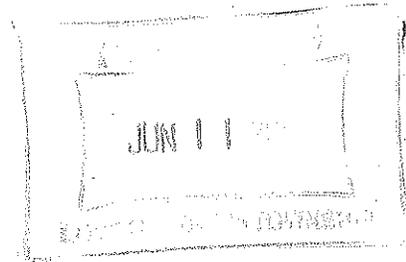
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BETHLEHEM DISTRICT OFFICE

June 8, 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,

S 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

Enclosure

4530 Bath Pike | Bethlehem, Pennsylvania 18017-9074

610.861.2070 | Fax 610-861-2072

Printed on Recycled Paper

www.depweb.state.pa.us

website dep 05-20-15



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 LEE ZIMMERMAN
 Person Interviewed AL SCHLEYER
 Inspector Jessica Wagoner
 eFACTS ID # PF 268729

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
 SF 266826

Comment: Additional efacts # 2370900 & 2371521

Inspection Date: 5 /20 / 2015 Type: Routine Complete Results: **No Violations Noted** Resolved: / /

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

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

STATUS				REVISION	COMMENTS ATTACHED	CHAPTER CITATION	LINE ITEM
1	2	3	4				
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 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
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	100020
Date	5/20/15

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 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 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

Site Name	IESI PA BETHLEHEM LANDFILL
ID Number	100020
Date	5/20/15

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 (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 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
				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

Site Name	IESI PA BETHLEHEM LANDFILL
ID Number	100020
Date	5/20/15

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 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 checked="" 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 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



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WASTE MANAGEMENT

INSPECTION REPORT COMMENTS

Date of Inspection 5/20/15 Identification Number 100200

Company/Facility/Site Name IESI PA Bethlehem Landfill

On May 20, 2015 Jessica Wagoner (this inspector) conducted a routine inspection at IESI PA Bethlehem Landfill (IESI). Mr. Al Schleyer, Compliance Manager, was present on behalf of IESI.

The weather at this time was 53.1° F, wind SW @ 10 mph, 66% humidity, and clear.

May 20, 2015 Waste Hauler Inspection Program

On this date the Department conducted a Waste Hauler Inspection Program (WHIP) at IESI from 06:30-11:45 hours. During this time thirty-three vehicles were inspected.

Site Tour

During the site tour the working face was observed. The working face was located in Cell 4D Stage 2; two trucks were unloading at this time. Minimal working face odors were detected in the immediate area of the working face.

Landfill gas was being sent to the flare. The flare was operating at 3214 scfm and a temperature of 1663°F. Bethlehem Renewable Energy was down for maintenance.

The south mister line was observed operating. The mister line is on a timer and will turn on and off throughout the day. Minimal windblown litter was observed onsite; Mr. Schleyer stated he would get a litter crew to address the litter.

CBI was onsite conducting gas work. At this time they were hooking up a twelve inch header to the vacuum lines. IESI had eight vertical and three horizontal gas wells installed. CBI had a trench opened up for the gas line installation; neutralizer was being applied to the trench to prevent odors. A light, intermittent landfill gas odor was detected in the area of the trench.

New cell construction continues on the western side of the landfill. The area on the southern slope where flagging was observed during the April 21, 2015 inspection was observed. Additional soil was added and the slopes were rolled. There did not appear to be flagging at this time. IESI also compacted the soil around the leachate cleanout (LC-23) where some settlement was observed during the April 21, 2015 inspection. The Department's Waste Management and Air Quality program will be conducting an inspection in follow up to the April 21, 2015 inspection on a future date.

This inspector inquired about vegetation and or erosion control on the intermediate slopes. Mr. Schleyer pointed out a test plot where IESI has placed Posi-shell for a trial run. IESI is trying plain Posi-shell and Posi-shell mixed with grass seed. IESI is also considering temporary capping at this time.

Records Review:

Daily tonnage- Records were reviewed from April 22 to present. There did not appear to be any exceedances. Highest daily tonnage was 1745 tpd.

Overweight trucks- Records were reviewed from April-present. IESI recorded 55 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 April 22 to present and appear complete.

Radiation hits- Since the last inspection there was one hit.

Date	Source
5/12	I-131

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

Leachate flow- April 2015- 1,096,091 gallons

DEP Staff - Since the last routine inspection the following PA DEP staff have been onsite: Tara Quinlivan (4/22/15), and Susan French (5/14/15).

Complaints

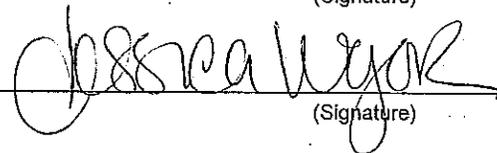
Since the last routine complete inspection at IESI the Department has received 15 complaints. The attached spreadsheet lists data collected for these complaints. In addition, complaints were followed up with an odor patrol conducted by the Department. IESI's daily operations records were reviewed for these dates. No violations were noted regarding these complaints.

This concludes this inspection as no violations were noted.

Person Interviewed Sent via First Class Mail Date _____

(Signature)

Inspector


(Signature)

Date 6/8/15

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

Date	Time	Address	Weather Data (Allentown (KABE))				Gas Management Data						
			Distance from landfill (miles)	Skies	Temperature °F	Wind (out of) mph	Flare (scfm)	BRE (scfm)	Total (scfm)	Date of Initial Response	Addressed in Insp Report Dated		
04/30/15	0801 hrs	Johnston Ave, Steel City	1.170	Clear	48.2	NE @ 8.1	Residence	Garbage odor on property	1155	2453	3608	5/12/2015	5/20/2015
04/30/15	2001 hrs	Johnston Ave, Steel City	1.170	Clear	57.2	E @ 6.9	Residence	Garbage odor on property	1183	2493	3676	5/12/2015	5/20/2015
05/02/15	0720 hrs	Fritz Ave, Steel City	0.950	Clear	46.9	calm	Residence	Strong odor on property	1176	2548	3724	5/12/2015	5/20/2015
05/07/15	0711 hrs	Johnston Ave, Steel City	1.170	Overcast	57	ENE @ 3.5	unknown	Strong odor	1386	1689	3075	5/12/2015	5/20/2015
05/11/15	1850 hrs	Wilson Ave, Bethlehem, PA	0.719	Clear	82	S @ 12.7	Residence	Noxious odor from IESI	1434	2200	3634	5/12/2015	5/20/2015
05/15/15	1321 hrs	Fritz Ave, Steel City	0.950	Clear	71.1	S @ 8.1	Residence	Sweet odor on property	1405	2241	3646	5/20/2015	5/20/2015
05/18/15	0630 hrs	Johnston Ave, Steel City	1.170	Overcast	64.9	calm	Residence	Sweet odor on property	1734	1552	3286	5/20/2015	5/20/2015
05/18/15	0713 hrs	Skyline Drive, Bethlehem	0.627	Overcast	66.9	calm	unknown	Strong odor	1747	1548	3295	5/20/2015	5/20/2015
05/18/15	1038 hrs	Johnston Ave, Steel City	1.170	Scattered Clouds	81	ENE @ 4.6	Residence	<small>*800 hrs fragrance odor on property, changed to a strong sweet smell</small> Sweet honey-suckle odor on property	1948	1540	3488	5/20/2015	5/20/2015
05/18/15	1050 hrs	Schwab Ave, Steel City	1.190	Mostly Cloudy	81	E @ 6.9	Residence	Sweet honey-suckle odor on property	1880	1465	3345	5/20/2015	5/20/2015
05/18/15	1358 hrs	Johnston Ave, Steel City	1.170	Haze	75.9	E @ 13.8	Residence	Garbage odor, then a sweet smell on property	1840	1531	3371	5/20/2015	5/20/2015
05/18/15	1433 hrs	Johnston Ave, Steel City	1.107	Haze	75.9	E @ 13.8	Residence	Sweet smell on property	1853	1577	3430	5/20/2015	5/20/2015
05/18/15	1933 hrs	Johnston Ave, Steel City	1.170	Overcast	60.8	SE @ 3.5	Residence	Garbage and sweet odor on property	1737	1559	3296	5/20/2015	5/20/2015
05/19/15	0820 hrs	Johnston Ave, Steel City	1.170	Overcast	57.9	calm	Residence	Garbage odor on property; Wind from SE	2639	0	2639	5/20/2015	5/20/2015
05/19/15	0839 hrs	Fritz Ave, Steel City	0.950	Overcast	57.9	calm	Residence	Sweet and garbage odor on property	2685	0	2685	5/20/2015	5/20/2015

2370900
DWD

Investigator: J. Wagner Date: 5/12/15 IESI PA BETHLEHEM LANDFILL
 Weather Conditions: 73.0°F, SW @ 11.5 mph, 57% humidity, mostly cloudy 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.	1121	N			garbage & dog
Shimmersville Rd.	1122	N			
Saulcon Ave	1122	SL	P	O	musty odor near Shimmersville / garbage & dog
ROBERTS AVE	1125	N			
Maxwell Ave.	1126	N			
Adams Ave	1126	N			
Johnston Ave	1128	SL	P	O	fresh cut grass, residents mowing
Snyder Ave.	1129	N			
Schwab Ave	1130	N			
Fritz Ave	1130	N			
Johnston Ave	1131	N			
Jefferson Ave	1131	N			
Riverside DR.	1136	SL	P	O	railroad track odor & honey suckle
Redington	1138	SL	I	O	honey suckle
L. Saulcon Rd.	1140	N			
Shenmyhill Rd.	1143	SL	I	O	honey suckle
Kinghoff Rd.	1145	SL	I	O	honey suckle
Appelbittel	1148	SL	I	S	from skyline to Shimmersville

2371521
JW

IESI PA BETHLEHEM LANDFILL
ODOR PATROL SURVEY

Investigator: T. Wagner / A. Faulkner Date: 5/20/15
Weather Conditions: 53.1°F, 10mph SW, 66% humidity, clear.

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
Shiversville	533	SL	I	S	near STP
Applebutter Rd.	534	N			
Skyline	537	N			
Shiversville Rd.	539	N			
Saucan Arc	541	N			
Snyder Arc	542	N			
Mathews Arc	542	N			
Mixcell Arc	543	N			
Adams Arc	543	N			
Johnston Arc	545	N			
Snyder Arc	545	N			
Schwarb Arc	546	N			
Fitz Ave	547	N			
Donnigan Ave	547	N			
Jefferson Arc	548	N			
Riverside Dr.	553	N			
Rodington Rd.	555	N			
Lower Saucan Rd.	5:56	SL-M	P	O	woodburning

P0 - Bethlehem Landfill

LB	LB		
Wednesday, April 01	2,995,520.00	1498	0
TOTAL/HOUR			
Thursday, April 02	3,378,000.00	1689	0
TOTAL/HOUR			
Friday, April 03	2,674,460.00	1337	0
TOTAL/HOUR			
Saturday, April 04	1,299,300.00	650	0
TOTAL/HOUR			
Monday, April 06	2,999,180.00	1500	0
TOTAL/HOUR			
Tuesday, April 07	3,490,000.00	1745	0
TOTAL/HOUR			
Wednesday, April 08	3,264,940.00	1632	0
TOTAL/HOUR			
Thursday, April 09	3,476,170.00	1738	0
TOTAL/HOUR			
Friday, April 10	2,283,460.00	1142	0
TOTAL/HOUR			
Saturday, April 11	998,180.00	499	0
TOTAL/HOUR			
Monday, April 13	2,684,720.00	1342	0
TOTAL/HOUR			
Tuesday, April 14	2,064,070.00	1032	0
TOTAL/HOUR			
Wednesday, April 15	2,181,360.00	1091	0
TOTAL/HOUR			
Thursday, April 16	2,170,700.00	1085	0
TOTAL/HOUR			
Friday, April 17	1,725,260.00	863	0
TOTAL/HOUR			
Saturday, April 18	415,920.00	208	0
TOTAL/HOUR			
Monday, April 20	1,680,160.00	840	0
TOTAL/HOUR			
Tuesday, April 21	2,226,380.00	1113	0
TOTAL/HOUR			
Wednesday, April 22	2,220,440.00	1110	0
TOTAL/HOUR			
Thursday, April 23	2,451,120.00	1226	0
TOTAL/HOUR			
Friday, April 24	2,389,900.00	1195	0
TOTAL/HOUR			
Saturday, April 25	972,912.00	486	0
TOTAL/HOUR			
Monday, April 27	1,992,080.00	996	0
TOTAL/HOUR			
Tuesday, April 28			

TOTAL/HOUR	2,359,800.00	1180
Wednesday, April 29		0
TOTAL/HOUR	2,361,780.00	1181
Thursday, April 30		0
TOTAL/HOUR	2,367,660.00	1184

P0 - Bethlehem Landfill

LB

Friday, May 01	2,314,060.00	1157
TOTAL/HOUR		0
Saturday, May 02	999,740.00	500
TOTAL/HOUR		0
Monday, May 04	2,465,920.00	1233
TOTAL/HOUR		0
Tuesday, May 05	2,667,400.00	1334
TOTAL/HOUR		0
Wednesday, May 06	2,292,980.00	1146
TOTAL/HOUR		0
Thursday, May 07	2,398,120.00	1199
TOTAL/HOUR		0
Friday, May 08	2,081,040.00	1041
TOTAL/HOUR		0
Saturday, May 09	757,120.00	379
TOTAL/HOUR		0
Monday, May 11	2,123,600.00	1062
TOTAL/HOUR		0
Tuesday, May 12	2,377,420.00	1189
TOTAL/HOUR		0
Wednesday, May 13	1,925,760.00	963
TOTAL/HOUR		0
Thursday, May 14	2,370,300.00	1185
TOTAL/HOUR		0
Friday, May 15	1,905,300.00	963
TOTAL/HOUR		0
Saturday, May 16	905,220.00	453
TOTAL/HOUR		0
Monday, May 18	2,239,680.00	1120
TOTAL/HOUR		0
Tuesday, May 19	2,062,660.00	1031
TOTAL/HOUR		0
Wednesday, May 20	2,011,040.00	1006
TOTAL/HOUR		0
Thursday, May 21	2,162,400.00	1081
TOTAL/HOUR		0
Friday, May 22	1,852,420.00	926
TOTAL/HOUR		0
Saturday, May 23	649,460.00	325
TOTAL/HOUR		0

BETHLEHEM LANDFILL

LEACHATE DEMAND REPORT

April 2015

<u>Location</u>	<u>Total gallons</u>
LMC-6	8,868
LMC-7	40,580
LMC-8	38,004
LMC-10	1,865,000
PS-1	450,415
PS-2	164,523
PS-3	44,257
Phase-IV	659,195

Total LMC-10 Flow = LMC-6, 7, 8, Abatement Well System, Phase I and II, and LFG condensate. Phase-IV total from PS-1, PS-2 and PS-3.

Total Discharge

LMC-10	1,865,000
Phase IV	659,195
TOTAL	2,524,195 gallons

Total Leachate

Leachate	436,896
Phase IV	659,195
TOTAL	1,096,091 gallons

LMC-10 Flow – Abatement System Flow = Leachate System Flow (gallons).
Abatement System Flow = 1,428,104 gallons (Neptune Flow meters)

Wagoner, Jessica

From: Allen Schleyer <allen.schleyer@progressivewaste.com>
Sent: Thursday, May 28, 2015 5:23 PM
To: Wagoner, Jessica
Subject: RE: Copy of complaint log
Attachments: IESI May Complaint Log BRE.xlsx

Jessica;

Attached is the completed complaint log.

Al

Allen Schleyer
Compliance Manager

Progressive Waste Solutions

T: 610 317 3200
F: 610 357 8799
C: 484 357 3135

2335 Applebutter Road
Bethlehem, PA, 18015
www.progressivewaste.com



From: Wagoner, Jessica [<mailto:jwagoner@pa.gov>]
Sent: Tuesday, May 26, 2015 11:03 AM
To: Allen Schleyer
Subject: Copy of complaint log

Hi Al,

Here is a copy of the complaint log. This log includes the list of complaints I gave you during the 5/20/15 inspection. Please provide gas management data for these dates.

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

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

Date	Time	Address	Distance from Landfill	Weather Data (Allentown)		Residence / Drive-by	Description / Notes	Gas Management Data			Addressed in Insp Report Dated
				Skies	Temperature			Wind (out of)	Flare (scfm)	BKE (scfm)	
04/30/15	0801 hrs	Johnston Ave, Steel City	1.170			Residence	Garbage odor on property.	1155	2453	3608	
04/30/15	2001 hrs	Johnston Ave, Steel City	1.170			Residence	Garbage odor on property	1183	2493	3676	
05/02/15	0720 hrs	Fritz Ave, Steel City	0.950			Residence	Strong odor on property	1176	2548	3724	
05/07/15	0711 hrs	Johnston Ave, Steel City	1.170			unknown	Strong odor	1386	1889	3075	
05/11/15	1850 hrs	Wilson Ave, Bethlehem, PA				Residence	Noxious odor from IESI	1434	2200	3634	
05/15/15	1321 hrs	Fritz Ave, Steel City	0.950			Residence	Sweet odor on property	1405	2241	3646	
05/18/15	06:30 hrs	Johnston Ave, Steel City					fragrance, sweet	1734	1552	3286	
05/18/15	0713 hrs	Skyline Drive, Bethlehem	0.627			unknown	Strong odor	1747	1548	3295	
05/18/15	1038 hrs	Johnston Ave, Steel City	1.170			Residence	<small>*this is fragrance type odor on property, changed to a strong sweet smell.</small> Strong odor	1948	1540	3488	
05/18/15	1050 hrs	Schwab Ave, Steel City	1.190			Residence	Sweet honeysuckle odor on property.	1880	1465	3345	
05/18/15	1358 hrs	Johnston Ave, Steel City	1.170			Residence	Garbage odor, then a sweet smell on property.	1840	1531	3371	
05/18/15	1433 hrs	Johnston Ave, Steel City				Residence	Sweet smell on property.	1853	1577	3430	
05/18/15	1933 hrs	Johnston Ave, Steel City	1.170			Residence	Garbage and sweet odor on property.	1737	1559	3296	
05/19/15	0820 hrs	Johnston Ave, Steel City	1.170			Residence	Garbage odor on property. Wind from SE.	2639	0	2639	
05/19/15	0839 hrs	Fritz Ave, Steel City	0.950			Residence	Sweet and garbage odor on property.	2685	0	2685	

Wagoner, Jessica

From: Allen Schleyer <allen.schleyer@progressivewaste.com>
Sent: Tuesday, May 26, 2015 2:58 PM
To: Wagoner, Jessica
Subject: RE: Copy of complaint log

No problem I just wanted to make sure there were no typos. I will get the information for the dates and times requested.
Al

From: Wagoner, Jessica [<mailto:jwagoner@pa.gov>]
Sent: Tuesday, May 26, 2015 2:51 PM
To: Allen Schleyer
Subject: RE: Copy of complaint log

Hi Al,

I reviewed the highlighted items. On 5/18/15 I wrote the time as 6:30am on the list, but after further review when putting together the log, I saw the complaint came in at 10:38 hours, and the complainant stated the odor had started at 06:30 hours. So I entered the complaint on the log with a time of 10:38 hours and in the comments I noted that the odor started at 06:30 hours. On 5/11/15 I wrote 6:30pm on the list, but after reviewing the complaint, I saw this complaint came in at 6:50pm, so I entered it on the log as 18:50 hours.

Once I was back in the office I came across an additional complaint on 4/30/15, so I also added that to the log.

During the inspection I quickly put the list together so you could get started on gathering the data because I did not have the complaint log updated at that time, so I apologize for any mistakes I made on that list and any confusion I may have caused you.

Thanks,
Jessica

From: Allen Schleyer [<mailto:allen.schleyer@progressivewaste.com>]
Sent: Tuesday, May 26, 2015 12:03 PM
To: Wagoner, Jessica
Subject: RE: Copy of complaint log

Hi Jessica

I will get the last one from 4/30. Attached is the update complaint log and the hand written list. I saw two differences and I highlighted them in bold for you to review.

I'll resend the complete list when I get the 4/30 data.

Al

From: Wagoner, Jessica [<mailto:jwagoner@pa.gov>]
Sent: Tuesday, May 26, 2015 11:03 AM

To: Allen Schleyer
Subject: Copy of complaint log

Hi Al,

Here is a copy of the complaint log. This log includes the list of complaints I gave you during the 5/20/15 inspection. Please provide gas management data for these dates.

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

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

Date	Time	Address	Distance from Landfill	Weather Data (Allentown)		Residence / Drive-by Description / Notes	Gas Management Data			Addressed in Insp Report Dated
				Skies	Temperature, Wind (out of)		Flare (scfm)	BRE (scfm)	Total (scfm)	
04/30/15	0801 hrs	Johnston Ave, Steel City	1.170			Residence	Garbage odor on property	1155	2453	
04/30/15	2001 hrs	Johnston Ave, Steel City	1.170			Residence	Garbage odor on property			
05/02/15	0720 hrs	Fritz Ave, Steel City	0.950			Residence	Strong odor on property	1176	2548	
05/07/15	0711 hrs	Johnston Ave, Steel City	1.170			unknown	Strong odor	1386	1689	
05/11/15	1850 hrs	Wilson Ave, Bethlehem, PA				Residence	Noxious odor from IESI	1460	2187	
05/15/15	1321 hrs	Fritz Ave, Steel City	0.950			Residence	Sweet odor on property	1405	2241	
05/18/15	06:30 hrs	Johnston Ave, Steel City					fragrance, sweet	1734	1552	
05/18/15	0713 hrs	Skyline Drive, Bethlehem	0.627			unknown	Strong odor	1747	1548	
05/18/15	1038 hrs	Johnston Ave, Steel City	1.170			Residence	<small>*200 hr fragrance type odor on property, changed to a strong sweet smell.</small>	1948	1540	
05/18/15	1050 hrs	Schwab Ave, Steel City	1.190			Residence	Sweet honeysuckle odor on poroperty.	1880	1465	
05/18/15	1358 hrs	Johnston Ave, Steel City	1.170			Residence	Garbage odor, then a sweet smell on property.	1840	1531	
05/18/15	1433 hrs	Johnston Ave, Steel City				Residence	Sweet smell on property.	1853	1577	
05/18/15	1933 hrs	Johnston Ave, Steel City	1.170			Residence	Garbage and sweet odor on property.	1737	1559	
05/19/15	0820 hrs	Johnston Ave, Steel City	1.170			Residence	Garbage odor on property. Wind from SE.	2639	0	
05/19/15	0839 hrs	Fritz Ave, Steel City	0.950			Residence	Sweet and garbage odor on property.	2685	0	

5/11 hand written complaint log had 06:30 a m

Complaints

4/30	8:01 AM	Johnston	garbage
5/2	7:20 AM	Fritz	
5/7	7:11 AM	Johnston	
5/11	6:30 PM	Wilson Ave, Bethlehem	
5/18	10:30 AM	Johnston	Fragrance, Sweet
5/18	6:30 AM	Johnston	Fragrance, Sweet
5/18	10:50 AM	Schwab	Sweet, honeysuckle
5/18	1:58 PM	Johnston	Garbage & Sweet
5/18	2:33 PM	Johnston	Sweet
5/18	7:13 AM	Skyline	Strong odor
5/18	7:33 PM	Johnston	Garbage & Sweet
5/19	8:20 AM	Johnston	Garbage
5/19	8:39 AM	Fritz	Garbage & Sweet
5/15	1:21 PM	Fritz	Sweet

email odor patrol logs

Wagoner, Jessica

From: Allen Schleyer <allen.schleyer@progressivewaste.com>
Sent: Monday, May 18, 2015 4:25 PM
To: Wagoner, Jessica
Subject: RE: Complaints

Jessica

Mike and I did conduct an odor patrol this afternoon. We also could detect a honeysuckle-like odor along Saucon, Mixsell etc. (also observed honeysuckle bushes along the roads and yards in blossom), fresh cut grass on Riverside and pine on Johnston Ave. We did not detect any garbage odors.

We did use the spray line on the South side. Currently using the grape product purchased from NCM.

CBI the lfg contractor was also installing some 12" header and drilled the last well today. We make sure they close everything up at the end of each day.

Allen Schleyer
Compliance Manager

Progressive Waste Solutions

T: 610 317 3200
F: 610 357 8799
C: 484 357 3135

2335 Applebutter Road
Bethlehem, PA, 18015
www.progressivewaste.com



From: Wagoner, Jessica [<mailto:jwagoner@pa.gov>]
Sent: Monday, May 18, 2015 2:43 PM
To: Allen Schleyer
Subject: Complaints

Hi Al,

I just wanted to let you know that the Department has received three more complaints this afternoon. The complainants continue to describe a sweet and or honeysuckle-like odor. One did say that they had a garbage odor. Did you do an odor patrol? Did your mister line run this afternoon?

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: Allen Schleyer <allen.schleyer@progressivewaste.com>
Sent: Wednesday, May 20, 2015 10:01 AM
To: Quinlivan, Tara; Wagoner, Jessica
Cc: Ken Minton (kminton@pepcoenergy.com)
Subject: Bethlehem LF SSM summary 4-15

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.

04/03/15	Turbine shutdown	02:58	Protective shutdown
	Flare shutdown	16:52	To start turbine
	Turbine startup	18:15	Duration 1 hr 24 min
04/04/15	Flare startup	08:51	Duration 1 hr 24 min
	Flare shutdown	09:35	Hi temperature, louver control malfunction
	Flare startup	09:53	Turbine running
04/19/15	Turbine shutdown	02:25	Protective shutdown
04/20/15	Turbine startup	09:06	Flare running
	Turbine shutdown	23:28	Protective shutdown
04/21/15	Turbine startup	17:36	Flare running
	Turbine shutdown	18:13	Protective shutdown
	Turbine startup	18:45	Flare running
04/24/15	Turbine shutdown	08:42	Maintenance
	Turbine startup	21:44	Flare running

Documentation is on file.

Allen Schleyer
Compliance Manager

Progressive Waste Solutions

T: 610 317 3200
F: 610 357 8799
C: 484 357 3135

2335 Applebutter Road
Bethlehem, PA, 18015
www.progressivewaste.com





pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION

BETHLEHEM DISTRICT OFFICE

June 8, 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