



pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION

BETHLEHEM DISTRICT OFFICE



March 4, 2014

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

Attn: Mr. Jack Cahalan

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

Dear Mr. Cahalan:

Please find enclosed a copy of the report of an inspection performed by this District Office at the IESI PA Bethlehem Landfill, located in your municipality. A copy of the inspection report is being provided to you pursuant to the provisions of Section 1101(a)(1) of Act 101, the Municipal Waste Planning, Recycling and Waste Reduction Act of 1988.

If you have any questions, please feel free to contact me at 610-861-2136.

Sincerely,

Walter F. Govern III
Solid Waste Specialist
Waste Management Program

S

ROUTINE

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

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Website



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

Inspection ID 2249085

Field Code NA

INSPECTION REPORT – MUNICIPAL WASTE LANDFILL

Site I.D. 100020
 Site Name IESI PA BETHLEHEM LANDFILL
 Address 2335 APPLEBUTTER RD

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

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

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

eFACTS ID # PF 268729 SF 266826

Comment: Routine Complete Inspection

Inspection Date: 02/24/2014 Type: RTNC Results: NO VIOLS Resolved: / /

Permit Expiration Date: 4/18/13 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>01/31/2014</u>)	<input type="checkbox"/>	271.371	1
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Operation in accordance with approved plans and permit.	<input type="checkbox"/>	273.201(c)(2)	2
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Operation within permit boundaries (vertical and horizontal).	<input type="checkbox"/>	273.201(c)(2)	3
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Disposal Timing and sequence as per Section 273.112(1).	<input type="checkbox"/>	273.201(c)(2)	4
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	No unapproved wastes or liquids.	<input type="checkbox"/>	273.201(d)-(m)	5
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Isolation distances are adhered to.	<input type="checkbox"/>	273.202(a)	6
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Facilities certification requirements followed.	<input type="checkbox"/>	273.203(a), (b)	7
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Written Department approval of new construction prior to waste disposal.	<input type="checkbox"/>	273.203(c)	8
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 02/24/2014

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

INSPECTION REPORT – MUNICIPAL WASTE LANDFILL (Cont'd)

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

STATUS				GENERAL REQUIREMENTS	COMMENTS ATTACHED	CHAPTER CITATION	LINE ITEM
1	2	3	4				
				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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Litter controlled/collected and barriers/fences in place.	<input type="checkbox"/>	273.220(a)-(c)	51
				COVER/SLOPES/REVEGETATION			
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Daily/intermediate cover meets performance and design requirements.	<input type="checkbox"/>	273.232(b), 273.233(b), (c)	52
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Minimum 5 day supply of daily and intermediate cover maintained on-site.	<input type="checkbox"/>	273.232(c) & 273.233(d)	53
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Intermediate cover applied within time limits.	<input type="checkbox"/>	273.233(a)	54
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Intermediate slopes do not exceed 50%.	<input type="checkbox"/>	273.232(d)	55
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cap placed over entire surface of final lift meets performance standards.	<input type="checkbox"/>	273.234(a)(1)	56
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Final cover meets performance and design requirements; applied within time limits.	<input type="checkbox"/>	273.234(b)-(e)	57
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Final slopes stable and erosion controlled.	<input type="checkbox"/>	273.234(f)	58
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Final slopes graded 3-15% or terraced to 33% as approved.	<input type="checkbox"/>	273.234(g)	59
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Minimum revegetation and successful revegetation requirements adhered to.	<input type="checkbox"/>	273.235(a)-(e) & 273.236(a), (b)	60
				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	02/24/2014

INSPECTION REPORT – MUNICIPAL WASTE LANDFILL (Cont'd)

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

STATUS				GENERAL REQUIREMENTS	COMMENTS ATTACHED	CHAPTER CITATION	LINE ITEM
1	2	3	4				
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Soil erosion and sedimentation controls designed and implemented as per approved plans; gullies over nine inches repaired.	<input type="checkbox"/>	273.242(a)-(c)	63
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sedimentation ponds and discharge structures designed, constructed, operated, and maintained in accordance with Chapters 273, 102, and 105.	<input type="checkbox"/>	273.243(a)-(g) & 273.244	64
				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 if adjacent liner, 4 feet high lined berm, to prevent lateral escape of leachate, adequate spacing on inside of berm to collect stormwater and sediment).	<input type="checkbox"/>	273.252(d)	66
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Leachate detection zone monitored weekly.	<input type="checkbox"/>	273.255(c)	67
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Protective cover protects primary liner and leachate collection system and allows free flow of leachate into the collection system.	<input type="checkbox"/>	273.257(a)	68
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Protective cover meets minimum requirements and at least 18 inches thick.	<input type="checkbox"/>	273.257(b)	69
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Leachate collection system within protective cover meets minimum requirements.	<input type="checkbox"/>	273.258(a), (b)	70
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Barrier designed, constructed and maintained as required to prevent lateral migration of leachate off-site in surface mined areas.	<input type="checkbox"/>	273.259(a)-(d)	71
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8 feet of select waste placed over protective cover.	<input type="checkbox"/>	273.260	73
				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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Leachate treatment system permitted and fully operational at least 3 years before closure.	<input type="checkbox"/>	273.273(e)	77
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Leachate recirculation in accordance with regulations.	<input type="checkbox"/>	273.274(1)-(4)	78
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Leachate collection and storage systems on-site have capacity of 30 days or 250,000 gallons, whichever is greater.	<input type="checkbox"/>	273.275(a)-(f)	79
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Leachate flow rate measured daily; analyzed quarterly.	<input type="checkbox"/>	273.276(a)-(b)	80
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Department notified when remedial action(s) required.	<input type="checkbox"/>	273.277(1)-(4)	81
				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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gas venting and monitoring in accordance with approved plans.	<input type="checkbox"/>	273.292(a)-(d)	90
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Combustible gas levels not exceeded.	<input type="checkbox"/>	273.292(e)	91
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Forced gas venting if required.	<input type="checkbox"/>	273.292(f)	92
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gas recovery conducted as per approved plan and §273.293, including annual analysis.	<input type="checkbox"/>	273.293(a), (b)	93
				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 01/15/2014 Identification Number 100020

Company/Facility/Site Name IESI PA BETHLEHEM LANDFILL

Comments:

On February 24, 2014, a routine monthly inspection was conducted in the afternoon at IESI PA Bethlehem Landfill (IESI). Also during this inspection, an investigation was conducted as a result of an odor complaint received by the Department on January 16, 2014 at approximately 1800 hrs, on February 9, 2014 at approximately 2123 hrs, on February 12, 2014 at approximately 1800 hrs and on February 20, 2014 at approximately 1425 hrs. Attending the inspection was Walter F. Govern III (this inspector), representing the PA Department of Environmental Protection (Department). Representing IESI PA Bethlehem Landfill (IESI) during this inspection was Al Schleyer, Compliance Manager, and Sam Donato, PA District Manager. During the time of this inspection it was sunny, 33°F, wind out of the West at 13 mph. (www.accuweather.com)

On February 12, 2014, Susan French was onsite representing the Department.

Prior to entering the landfill for the inspection, an odor patrol was conducted along Applebutter Road, throughout Steel City and around the north side of the landfill on Riverside Drive, out to Barron Hill Road and along Skyline Drive. During the time of this inspection this inspector observed no landfill related odors. A copy of this inspector's odor patrol log is attached to this report. No malodors were observed during this inspection. IESI appears to be implementing their Nuisance Minimization and Control Plan as required.

The entrance road to the facility and the access roads to the working face were clean and free of litter and debris. No windblown litter was observed in the trees within the landfills fences. Some windblown litter was observed on the south side of the MSE wall. Mr. Schleyer stated that he was going to direct the laborers to collect windblown litter at the above mentioned location.

The flare was in operation at IESI during the time of this inspection. The flare was burning landfill gas at a temperature of 1684°F with a flow of 1127 scfm. Landfill gas from IESI was being burned at the Bethlehem Renewable Energy (BRE) Plant adjacent the landfill during the time of this inspection.

Construction of the next area of capping is complete. The area being capped is a one acre area at the toe of the slope of Cell C.

Cell 4B was the area accepting waste during the time of this inspection. There were two trucks dumping at the working face during the time this inspector was observing the working face. No trucks were waiting to dump during the time of this inspection. No landfill gas odors were detected during the time of this inspection. Tippers are not yet in use at the landfill. Mr. Schleyer stated that tippers are most likely going to be used after the spring thaw.

The radiation logs for February to the date of this inspection were reviewed. There were five radiation hits since this inspector's last inspection. On 02/08/2014 at 0724 hrs, TC-99 was detected at a level 1 alarm. On 02/08/2014 at 1127 hrs, 02/08/2014 at 1141 hrs, 02/11/2014 at 0714 hrs and on 02/14/2014 at 1045 hrs, I-131 was detected at level 1 alarms. All of the previously mentioned loads were dumped at IESI as per the radiation action monitoring plan. Log sheets were reviewed showing that the radiation monitors were detecting hits on known sources.

Daily tonnage reports were observed for February to the date of this inspection. The weight logs appear complete. The maximum daily tonnage observed in February to the date of this inspection was logged on 02/20/2014 at 1,161.4 tons. The overweight report for the month of February logged 17 overweight trucks to the date of this inspection. None of the trucks were over the 3% mark. A copy of the overweight trucks report for February is attached to this report.

IESI submitted a letter to Lower Saucon Township regarding the weight and types of materials that were recycled on

January 6, 2014.

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

Insurance certificates were reviewed and are valid. The certificate expires 01/31/2014.

COMPLAINT INVESTGATIONS

On 01/16/2014 at approx. 1800 hrs: An individual reported a strong odor while driving across the bridge allegedly coming from IESI. During the time of the complaint, landfill gas was being burned in the flare at a flow of 1000 scfm. The energy plant adjacent IESI was also burning landfill gas at 2455 scfm. Landfill gas was being consumed by the flare and the adjacent energy plant at a total of 3455 scfm during the time of this complaint. IESI appeared to be implementing their Nuisance Minimization and Control Plan as required.

On 02/09/2014 at approx. 2123 hrs: An individual reported a strong odor on Lewis Ave, in Steel City, Lower Saucon Twp, Northampton County that was allegedly coming from IESI. During the time of the complaint, landfill gas was being burned in the flare at a flow of 1000 scfm. The energy plant adjacent IESI was also burning landfill gas at 2267 scfm. Landfill gas was being consumed by the flare and the adjacent energy plant at a total of 3267 scfm during the time of this complaint. IESI appeared to be implementing their Nuisance Minimization and Control Plan as required.

On 02/12/2014 at approx. 1800 hrs: An individual reported a strong odor on Mixsell Ave., in Steel City, Lower Saucon Twp, Northampton County that was allegedly coming from IESI. During the time of the complaint, landfill gas was being burned in the flare at a flow of 1200 scfm. The energy plant adjacent IESI was also burning landfill gas at 2980 scfm. Landfill gas was being consumed by the flare and the adjacent energy plant at a total of 4180 scfm during the time of this complaint. IESI appeared to be implementing their Nuisance Minimization and Control Plan as required.

On 02/20/2014 at approx. 1425 hrs: An individual detected an odor in the parking lot of St. Luke's Hospital, Anderson Campus, located at 1872 Riverside Circle, Freemansburg Ave, Bethlehem Township, Northampton County. The location of the odor complaint is a little over 3.1 miles North of IESI. During the time of the complaint it was 43°F. No wind was registered during the afternoon of 2/20/2014 according to www.wunderground.com. During the time of the complaint, landfill gas was being burned in the flare at a flow of 1825 scfm. The energy plant adjacent IESI was also burning landfill gas at 2079 scfm. Landfill gas was being consumed by the flare and the adjacent energy plant at a total of 3904 scfm during the time of this complaint. This inspector spoke with the complainant on 02/28/2014. She stated she detected the odor while leaving the hospital. She exited the hospital and headed south towards the location of her parked vehicle. While walking, she stated she could smell garbage. She was certain it was not landfill gas. She could see the top of IESI and believed the odor was coming from the landfill. The dumpsters of the hospitals are located at the southeast end of the hospital. Given the weather conditions during the time of this complaint, the complainant was most likely smelling a local odor (possibly the dumpsters of the hospital) as opposed to an odor from a source over three miles away. IESI appeared to be implementing their Nuisance Minimization and Control Plan as required.

This concludes this inspection report.

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

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

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

Person Interviewed Sent via 1st Class Mail Date 03/04/2014
(Signature)

Inspector Walter D. [Signature] Date 03/04/2014
(Signature)

OVERWEIGHT VEHICLES

(Record each vehicle that exceeds 73,280 pounds and each combination vehicle that exceeds 80,000 pounds)

TRUCK #	DATE	TIME	GROSS WEIGHT	TRUCK TYPE TT, RO RL, FL	Transfer Station	TRUCK #	DRIVER NAME	IESI WEIGHMASTER	WARNING	#1 - #4				#5
										1ST SUSPENSION	2ND SUSPENSION	3RD SUSPENSION	4TH SUSPENSION	
1	2/3/2014	8:54 AM	80,340	TT	CRT	LARK765	HOLGER JARAMILLO	DEE	X					12/30/2013
2	2/3/2014	9:22 AM	80,660	TT	50	VOY156	LORENZO CMAPOVERDE	DEE	X					12/30/2013
3	2/3/2014	10:13 AM	80,180	TT	50	VOY267	ARNOLD GADSDEN	DEE	X					12/30/2013
4	2/3/2014	10:19 AM	80,180	TT	50	STR390	MANUEL LEIMA	DEE	X					12/30/2013
5	2/4/2014	8:49 AM	73,660	RL		WM208907	WILLIAM DEROSO	DEE	X					12/30/2013
6	2/4/2014	9:17 AM	80,600	TT	50	TTS513	IVAN CRUZ	DEE	X					12/30/2013
7	2/8/2014	8:09 AM	80,040	TT	50	VOY413	JESUS CAMPOS	DEE	X					12/30/2013
8	2/8/2014	11:39 AM	80,040	TT	50	AM523	ABEL COLON	DEE	X					12/30/2013
9	2/11/2014	7:19 AM	80,140	TT	CRT	LARK765	HOLGER JARAMILLO	DEE						12/30/2013
10	2/11/2014	7:44 AM	80,060	TT	50	TTS513	IVAN CRUZ	DEE		15-Feb				12/30/2013
11	2/14/2014	10:27 AM	81,500	TT	CRT	GREE636	DIEGO FAJARDO	DEE	X					12/30/2013
12	2/14/2014	12:14 PM	80,220	TT	50	GREE149	VICTOR FAJARDO	DEE	X					12/30/2013
13	2/17/2014	11:39 AM	80,880	TT	50	VOY275	MANUEL BERRIOS	JILL	X					12/30/2013
14	2/17/2014	12:16 PM	80,360	TT	50	GREE686	RODOLFO FERNANDEZ	DEE	X					12/30/2013
15	2/18/2014	8:25 AM	80,300	TT	50	VOY104	WILLIAM VENTURA	DEE	X					12/30/2013
16	2/20/2014	1:30 PM	80,600	TT	50	GRAYF1302	WAYDE DOYLE	DEE	X					12/30/2013
17	2/22/2014	7:09 AM	80,700	TT	50	VOY248	JARIOM BAEZ	DEE	X					12/30/2013

IESI PA BETHLEHEM LANDFILL
ODOR PATROL SURVEY

Investigator: A. Faulch Date: 2/20/14
Weather Conditions: 43°F, mostly cloudy, calm winds

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
Shimersville	1445	M	P	S	moderate sewage odor
Applebutter	1448	SL	I	O	light wood burning odor near Cabin Ln.
Sherry Hill	1454	N			
Ringhoffer	1457	N			
Applebutter	1459	N			
Shimersville	1503	SL	I	S	light sewage odor just N of Apple butter
Sawcon Ave	1504	N			
Robertson Ave	1505	N			
Snyder	1505	N			
Masknews	1506	N			
Mixsell	1506	N			
Adams	1507	N			
Riverside	1508	SL	P	LFG	light, landfill gas odor on west end of Riverside
Beddington	1512	N			
Lwr. Sawcon	1515	N			
Applebutter	1517	N			
AE 2/20/14					

IESI PA BETHLEHEM LANDFILL
ODOR PATROL SURVEY

Investigator: Walter F. Govern III Date: 02/18/2014
Weather Conditions: Snowing, 29°F Wind ESE 3mph

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
	10:49	N	N	-	eFACTS ID# 2245886
Saucan Ave	10:51	SL	I	O	Wood Burning odor
Roberts Ave	10:52	N	N	-	
Mixell Ave	10:54	SL	I	O	Wood Burning Odor
Adams Ave	10:55	SL	I	O	Wood Burning odor ALSO NOTING GARBAGE CANS ON CURB <small>1st Garbage Odors noted</small>
Riverside Dr.	11:03	N	N	-	
Redington Rd.	11:05	N	N	-	
Lower Saucan Rd	11:07	N	N	-	
Applebutter Rd	11:09	N	N	-	
Entrance to IEST	11:11	M	P	O	Condensate Odor @ BRE. Veolia Vac Truck Visible on site
Applebutter Rd	11:13	SL	I	O	Wood Burning odor
Skyline Dr.	11:20	N	N	-	
Skyline Dr.	11:25	N	N	-	
Applebutter Rd.	11:27	SL	I	S	Sewer Odor from Bethlehem WWT
Shinersville Rd	11:29	N	N	-	
Riverside Dr.	11:35	N	N	-	
Redington Rd.	11:38	N	N	-	
Lower Saucan Rd	11:40	N	N	-	

Govern, Walter

From: Allen Schleyer <aschleyer@iesi.com>
Sent: Friday, February 28, 2014 8:47 AM
To: Govern, Walter
Cc: Sam Donato
Subject: BRE/flare data

Wally;

Here is the turbine/flare data for the requested dates.

BRE flow/vacuum		Flare flow
1/16/14 @ 6:00pm - 2455scfm, -83.9"H2O	-	1,000 scfm
2/9/14 @ 9:23pm - 2267scfm, -76.4"H2O	-	1,000 scfm
2/12/14 @ 6:00pm - 2980scfm, -85.9"H2O	-	1,200 scfm

Al Schleyer

Compliance Manager

IESI

A Progressive Waste Solutions Company

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

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

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

www.iesi.com

Govern, Walter

From: Allen Schleyer <aschleyer@iesi.com>
Sent: Monday, March 03, 2014 5:02 PM
To: Govern, Walter
Subject: RE: BRE/flare data

for 02/20/2014 at approximately 2:25 pm

BRE @ 2,079 scfm; - 54.3 "
IESI Flare @ 1825 scfm

Al Schleyer

Compliance Manager

IESI

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Bethlehem, PA 18015

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From: Govern, Walter [<mailto:wgovern@pa.gov>]
Sent: Friday, February 28, 2014 11:11 AM
To: Allen Schleyer
Subject: RE: BRE/flare data

Thank you!

But there is one more that I missed.

I'll also need data for 02/20/2014 at approximately 2:25 pm

Walter Govern | Solid Waste Specialist
Department of Environmental Protection | Waste Management
Bethlehem District Office
4530 Bath Pike | Bethlehem, PA 18017-9074
Phone: 610.861.2136 | Fax: 610.861.2072
www.dep.state.pa.us

From: Allen Schleyer [<mailto:aschleyer@iesi.com>]
Sent: Friday, February 28, 2014 8:47 AM
To: Govern, Walter
Cc: Sam Donato
Subject: BRE/flare data

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2/12/14 @ 6:00pm - 2980scfm, -85.9"H2O	-	1,200 scfm

Al Schleyer
Compliance Manager

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