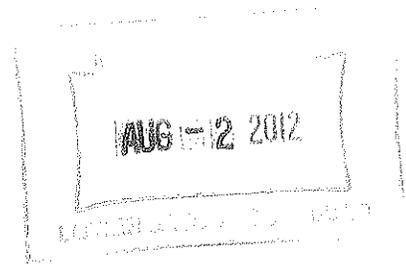




# pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BETHLEHEM DISTRICT OFFICE



August 1, 2012

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

ROUTING Waste Management Program

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

4530 Bath Pike | Bethlehem, Pennsylvania 18017-9074

610.861.2136 | Fax 610-861-2072

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**INSPECTION REPORT - MUNICIPAL WASTE LANDFILL**

Permit Number 100020  
 EPA I.D. Number \_\_\_\_\_  
 Facility Name IESI PA BETHLEHEM LDFL  
 Address 2335 APPLEBUTTER RD  
 SR 2012  
 City BETHLEHEM State PA Zip 18015  
 Municipality 8924 Lower Saucon  
 Responsible Official SAMUEL DONATO, JR.  
 Person Interviewed Al Schleyer  
 Inspector Walter F Govern  
 eFACTS ID # Client 112995 Site 255983 PF 268729 SF 266826  
 Comment \_\_\_\_\_  
 Inspection Date Start Jul 31, 2012 Inspection Time Start 0800 hrs Inspection Date End Jul 31, 2012 Inspection Time End 1600 hrs  
 Inspection Type RTNC Routine/Complete Inspection Inspection Result NOVIO No Violations Noted

Employer I.D. Number (EIN) \_\_\_\_\_  
 Operator Name IESI PA BETHLEHEM LDFL CORP  
 Address 2335 APPLEBUTTER RD  
 City BETHLEHEM State PA Zip 18015-6004  
 County Northampton  
 Title PA. DISTRICT MANAGER  
 Title Compliance Manager  
 Telephone # \_\_\_\_\_ x \_\_\_\_\_  
 Title Solid Waste Specialist

Permit Expiration Date: 04/18/2013 Days/Week Operated: 6 Max. Daily Volume: 1800 tons

1 - No Violation Observed 2 - Not-Applicable 3 - Not-Determined 4 - Non-Compliance 5 - Resolved

STATUS					REQUIREMENT	COMMENTS ATTACHED	CHAPTER CITATION	LINE ITEM
1	2	3	4	5				
<b>GENERAL PROVISIONS</b>								
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Required insurance in effect (expiration date <u>12/31/2012</u> ).	<input type="checkbox"/>	271.371	1
<input checked="" type="checkbox"/>	<input 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"/>	<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"/>	<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"/>	<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"/>	<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"/>	<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"/>	<input type="checkbox"/>	Written Department approval of new construction prior to waste disposal.	<input type="checkbox"/>	273.203(c)	8
<b>DAILY OPERATIONS</b>								
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<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"/>	<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"/>	<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"/>	<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"/>	<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"/>	<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"/>	<input type="checkbox"/>	Vehicles directed promptly to unloading area and promptly unloaded.	<input type="checkbox"/>	273.216(a), (b)	15

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STATUS					REQUIREMENT	COMMENTS ATTACHED	CHAPTER CITATION	LINE ITEM
1	2	3	4	5				
<input checked="" type="checkbox"/>	<input 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"/>	<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"/>	<input type="checkbox"/>	Operator complies with Air Quality Plan approval and Air quality Operating Permit.	<input type="checkbox"/>	273.217(b)	18
<input checked="" type="checkbox"/>	<input 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"/>	<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"/>	<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"/>	<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"/>	<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"/>	<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"/>	<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"/>	<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"/>	<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"/>	<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"/>	<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"/>	<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"/>	<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"/>	<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"/>	<input type="checkbox"/>	If intermediate cover requires revegetation, it is established within 30 days.	<input checked="" type="checkbox"/>	273.233(e)	33
<input checked="" type="checkbox"/>	<input 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

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STATUS					REQUIREMENT	COMMENTS ATTACHED	CHAPTER CITATION	LINE ITEM
1	2	3	4	5				
<input checked="" type="checkbox"/>	<input 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"/>	<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"/>	<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"/>	<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"/>	<input type="checkbox"/>	No waste 15 feet of inside top of the lined perimeter berm.	<input type="checkbox"/>	273.252(e)	39
<input checked="" type="checkbox"/>	<input 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"/>	<input type="checkbox"/>	Edge of liner clearly marked.	<input type="checkbox"/>	273.252(g)	41
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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"/>	<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"/>	<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"/>	<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"/>	<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"/>	<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"/>	<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"/>	<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"/>	<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"/>	<input type="checkbox"/>	Litter controlled/collected and barriers/fences in place.	<input type="checkbox"/>	273.220(a)-(c)	51
<b>COVER/SLOPES/REVEGETATION</b>								
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Daily/intermediate cover meets performance and design requirements.	<input type="checkbox"/>	273.232(b) AND 273.233(b), (c)	52
<input checked="" type="checkbox"/>	<input 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) AND 273.233(d)	53
<input checked="" type="checkbox"/>	<input 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"/>	<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"/>	<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"/>	<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"/>	<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"/>	<input type="checkbox"/>	Final slopes graded 3-15% or terraced to 33% as approved.	<input type="checkbox"/>	273.234(g)	59

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STATUS					REQUIREMENT	COMMENTS ATTACHED	CHAPTER CITATION	LINE ITEM
1	2	3	4	5				
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Minimum revegetation and successful revegetation requirements adhered to.	<input checked="" type="checkbox"/>	273.235(a)-(e) AND 273.236(a), (b)	60
<b>WATER QUALITY PROTECTION</b>								
<input checked="" type="checkbox"/>	<input 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"/>	<input type="checkbox"/>	Surface water percolation minimized/prevented.	<input type="checkbox"/>	273.242(b)(1) AND 273.234(e)(4)	62
<input checked="" type="checkbox"/>	<input 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"/>	<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) AND 273.244	64
<b>LINER SYSTEM</b>								
<input checked="" type="checkbox"/>	<input 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"/>	<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"/>	<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"/>	<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"/>	<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"/>	<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"/>	<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"/>	<input type="checkbox"/>	8 feet of select waste placed over protective cover.	<input type="checkbox"/>	273.260	73
<b>LEACHATE TREATMENT</b>								
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<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"/>	<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"/>	<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"/>	<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"/>	<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"/>	<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"/>	<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"/>	<input type="checkbox"/>	Department notified when remedial action(s) required.	<input type="checkbox"/>	273.277(1)-(4)	81
<b>WATER QUALITY MONITORING</b>								
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Approved monitoring system installed and maintained.	<input type="checkbox"/>	273.281(a), (b) AND 273.283	82

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STATUS					REQUIREMENT	COMMENTS ATTACHED	CHAPTER CITATION	LINE ITEM
1	2	3	4	5				
<input checked="" type="checkbox"/>	<input 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 AND 273.285	83
<input checked="" type="checkbox"/>	<input 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"/>	<input type="checkbox"/>	Groundwater abatement plan submitted and implemented as required.	<input type="checkbox"/>	273.287(a)-(f)	85
<b>RECORDKEEPING AND REPORTING</b>								
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Operational records maintained, available and submitted as required.	<input type="checkbox"/>	273.288 AND 273.311-273.313	86
<input checked="" type="checkbox"/>	<input 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
<input checked="" type="checkbox"/>	<input 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"/>	<input type="checkbox"/>	Operator submits annual operation report with fee.	<input type="checkbox"/>	273.313	89
<b>MINERALS AND GAS</b>								
<input checked="" type="checkbox"/>	<input 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"/>	<input type="checkbox"/>	Combustible gas levels not exceeded.	<input type="checkbox"/>	273.292(e)	91
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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"/>	<input type="checkbox"/>	Gas recovery conducted as per approved plan and §273.293, including annual analysis.	<input type="checkbox"/>	273.293(a), (b)	93
<b>EMERGENCY PROCEDURES</b>								
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Contingency plan implemented if there is an emergency.	<input type="checkbox"/>	273.303(a)-(c)	94
<b>RECYCLING</b>								
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<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"/>	<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"/>	<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"/>	<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"/>	<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"/>	<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"/>	<input type="checkbox"/>	On or before January 15 each year, operator informs municipality in writing of weight and type of materials recycled previous year.	<input type="checkbox"/>	273.332(e)	101
<b>SPECIAL HANDLING AND RESIDUAL WASTES</b>								
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<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"/>	<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"/>	<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"/>	<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"/>	<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"/>	<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



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF WASTE MANAGEMENT

## INSPECTION REPORT COMMENTS

### Comments:

On July 31<sup>st</sup>, 2012, a routine monthly inspection was conducted at IESI PA Bethlehem Landfill (IESI). 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. During the time of this inspection it was mostly cloudy, 77°F, wind out of the north at 0 mph, humidity 71%. (accuweather.com)

Since the last inspection, the following personnel represented the Department at IESI: On June 14, 2012, Susan French was at IESI for engineers meeting. From June 18 through June 20, 2012, Bharat Bham was at IESI for quarterly groundwater sampling. On June 20, 2012, Rick Croll and Andre Gomes were at IESI. On June 21, 2012, Susan French was at IESI to conduct a cell construction inspection. On June 29, 2012 Susan French and Will Craft were at IESI to conduct a cell construction inspection. On July 11, 2012, Becky Easley and Mark Mott were at IESI to conduct an air quality inspection. On July 21, 2012, Susan French was at IESI for an engineer's meeting. And on July 26, 2012, Bharat Bham was at IESI to observe new monitoring well installations.

### The following items were discussed / observed during the inspection of IESI :

- Prior to entering the landfill for the routine monthly inspection, this inspector conducted an odor patrol along Applebutter Road, Skyline Drive, through Steel City and around the north side of the landfill on Riverside Drive. No litter or odors were observed during this odor patrol. The entrance road to the facility and the access roads to the working face were observed to be clean and clear of debris and litter during the time of this inspection. No windblown litter was observed in the trees within the landfills fences. No windblown litter was observed on the slopes of the

COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF WASTE MANAGEMENT

## INSPECTION REPORT COMMENTS

**Comments:**

landfill during the time of this inspection.

- The flare was in operation at IESI during the time of this inspection. It was burning landfill gas at a temperature of 1616 °F at a flow rate of 2230 cfm.

- IESI spread topsoil and hydroseeded the western slope approximately six weeks ago. The re-vegetation of the western slope is slow due to drought conditions. Recent rain is beginning to sprout some emergence of the new growth vegetation. The southern slope is in the process of being re-filled to be brought up to grade prior to capping activities that are expected to begin in two months. (Estimated 3 acres of capping.) Once capping activities are completed, the slope will be re-vegetated.

- The Cell 4D, stage III, and Cell 4F is the area that is accepting waste during the time of this inspection. There was one truck dumping at the working face during the time this inspector was observing the working face. No trucks were waiting to dump.

- The construction of the new cell (Cell 4E) is under way. IESI is beginning to install the protective stone base on top of the new cell liner.

- The radiation logs for June since the date of the last inspection were reviewed. There were no radiation hits since this inspector's last inspection. Log sheets were reviewed showing that the radiation monitors were detecting hits on known sources. The radiation logs for July were reviewed. There were two radiation hits in the month of July to the date of this inspection. The hits were detected on July 6, 2012 and July 17, 2012. Both hits were detected as I-131 at Level 1 alarms. The loads were disposed of at IESI as per the landfill's radiation monitoring plan. Radiation monitor calibration was calibrated on June 20, 2012. The radiation monitor is due for calibration on June 20, 2013.

- Daily tonnage reports were observed for June since the date of the last inspection. The weight logs appear complete. The maximum daily tonnage observed in June was logged on 06/01/2012 at 1771.5 tons. The overweight report for the month of June logged 30 overweight trucks. None of the trucks since the last inspection were over the

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BUREAU OF WASTE MANAGEMENT

**INSPECTION REPORT COMMENTS**

**Comments:**

3% mark. A copy of the overweight trucks report from June is attached to this report as Attachment A. The daily tonnage reports were observed for July to the date of this inspection. The weight logs appear complete. The maximum daily tonnage observed in July was logged on July 24, 2012 at 1699.4 tons. The overweight report for the month of July logged 37 overweight trucks. Four of the trucks were over the 3% mark. A copy of the overweight trucks report from July is attached to this report as Attachment B.

- IESI ran an advertisement for public drop off at the landfill from July 1<sup>st</sup> through July 3 in the Express Times.

- Insurance certificates were reviewed and are valid. The certificate expires 12/31/2012.

**COMMENTS**

Line 33 & 60 - Re-vegetation on the western slope is slow due to drought conditions. Recent rain events are showing some emergence of vegetation. The southern slope is in the process of being re-filled to grade some capping activities can begin in approximately two months. Once capping activities are completed, the slopes will be re-vegetated.

This concludes this inspection report.

*[Handwritten Signature]* 07/31/2012

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

*[Handwritten Signature]*  
(Signature)

Date 07-31-2012

Inspector

*[Handwritten Signature]*  
(Signature)

Date 07/31/2012



JULY 2012

Total Transactions for month (TT, RL, RO, FL)

OVERWEIGHT VEHICLES

80000 0-Jan 2400  
73280 0-Jan 2198.4

**82,400**  
**75,478**

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

	DATE	TIME	GROSS WEIGHT	TT, RL, RO, FL	Transfer Station	TRUCK #	DRIVER NAME	ISSI	VEHICMASTER	WARNING	#1	#2	#3	#4	#5	DATE SCALE CALIBRATED
1	7/2/2012	8:25 AM	86,660	TT		OLEX835	MICHAEL MCGACHERNI	DEE		11-Jul						6/26/2012
2	7/3/2012	8:46 AM	86,240	TT		OLEX803	EDISON COELHO	DEE		9-Jul						6/26/2012
3	7/3/2012	12:45 PM	80,180	TT		OLEX828	IONATHAN HARRIGAN	DEE		X						6/26/2012
4	7/5/2012	12:45 PM	80,260	TT	50	GRE666	RODOLFO HERNANDEZ	MARYANN		X						6/26/2012
5	7/6/2012	7:34 AM	80,480	TT	50	TAUR251	CARLOS DURAN	DEE		X						6/26/2012
6	7/6/2012	7:43 AM	81,120	TT		VARICK	AMER49	ELIAS SALVADOR	DEE	X						6/26/2012
7	7/6/2012	8:03 AM	80,240	TT		OLEX837	RANDOLPH SULLIVAN	DEE		X						6/26/2012
8	7/6/2012	11:15 AM	83,740	TT	50	OLEX837	CHARLE OVARIS	DEE		11-Jul						6/26/2012
9	7/6/2012	12:29 PM	80,740	TT		VOY248-943	JARON BAEZ	MARYANN		X						6/26/2012
10	7/7/2012	10:50 AM	80,180	TT	COURT	AMER19-58	ELIAS SALVADOR	MARYANN		X						6/26/2012
11	7/9/2012	7:32 AM	80,740	TT		MS2	ROBERT SCHWEER	DEE		X						6/26/2012
12	7/11/2012	2:34 PM	80,120	TT	50	STR390	MANUEL LEMA	DEE		X						6/26/2012
13	7/12/2012	8:22 AM	82,540	TT		DJM207	GABRIEL OCASIO	DEE		17-Jul						6/26/2012
14	7/13/2012	7:16 AM	81,080	TT		MS2	SCOTT WEBER	DEE		X						6/26/2012
15	7/16/2012	9:21 AM	81,400	TT		MS4	MICHAEL STINE	DEE		X						6/26/2012
16	7/16/2012	1:49 PM	80,300	TT	50	VOY413	JESUS CAMPOS	DEE		X						6/26/2012
17	7/16/2012	2:52 PM	80,080	TT	50	ALL110	MIGUEL ADAMES	DEE		X						6/26/2012
18	7/17/2012	1:34 PM	80,700	TT	50	MS04	CHARLES DIEHL	DEE		X						6/26/2012
19	7/20/2012	7:23 AM	80,040	TT	50	VOY106	MIGUEL TATELA	DEE		X						6/26/2012
20	7/20/2012	7:55 AM	80,560	TT	50	TAUR251	CARLOS DURAN	DEE		X						6/26/2012
21	7/20/2012	7:30 AM	80,220	TT	COVANITA	VIS314	THOMAS BESTMAN	DEE		X						6/26/2012
22	7/21/2012	8:30 AM	80,840	TT		MS01	TERENCE KENNEY	MARYANN		X						6/26/2012
23	7/21/2012	7:46 AM	81,320	TT		MS01	SCOTT WEBER	DEE		27-Jul						6/26/2012
24	7/23/2012	2:34 PM	80,960	TT		MS04	CHARLES DIEHL	DEE		27-Jul						6/26/2012
25	7/23/2012	2:53 PM	80,840	TT		BARNES04	PAUL BARNES	DEE		X						6/26/2012
26	7/24/2012	7:35 AM	80,300	TT	50	VOY275	MANUEL BERRIOS	DEE		X						6/26/2012
27	7/24/2012	8:00 AM	80,180	TT	50	AMER48	SANTO SALVADOR	DEE		X						6/26/2012
28	7/25/2012	7:18 AM	80,040	TT	50	VOY156	ZAHED GHANIE	DEE		X						6/26/2012
29	7/25/2012	7:25 AM	80,040	TT	50	VOY605	JUAN JURRE	DEE		X						6/26/2012
30	7/26/2012	11:14 AM	80,140	TT	50	AMER48	SANTO SALVADOR	DEE		31-Jul						6/26/2012
31	7/27/2012	1:04 PM	81,680	TT		GRAYE0728	RENE OLIVET	DEE		X						6/26/2012
32	7/27/2012	2:13 PM	80,040	TT	50	VOY413	JESUS CAMPOS	DEE		1-Aug						6/26/2012
33	7/28/2012	7:11 AM	80,060	TT	COPE	LARK765	HOLGER JARAMILLO	DEE		X						6/26/2012
34	7/28/2012	7:24 AM	80,300	TT	50	VOY248-943	JARON BAEZ	DEE		2-Aug						6/26/2012
35	7/28/2012	7:41 AM	82,380	TT	50	STR390-430	MANUEL LEMA	DEE		2-Aug						6/26/2012
36	7/30/2012	1:25 PM	80,420	TT	50	VOY275	MANUEL BERRIOS	DEE		3-Aug						6/26/2012
37																
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Attachment B

