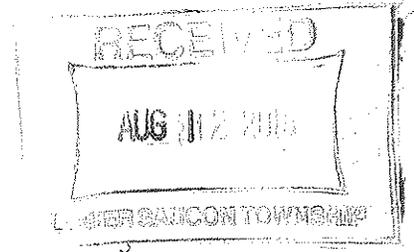




pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION

BETHLEHEM DISTRICT OFFICE



August 6, 2015

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

Attn: Mr. Jack Cahalan

Re: IESI PA Bethlehem Landfill
Permit # 100020
Lower Saucon Township, Northampton County

Dear Mr. Cahalan:

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

If you have any questions, please feel free to contact me at 610-861-2150.

Sincerely,

Jessica Wagoner
Solid Waste Specialist
Waste Management Program

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

4530 Bath Pike | Bethlehem, Pennsylvania 18017-9074

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

Inspection ID 2394257

Field Code NA

INSPECTION REPORT – MUNICIPAL WASTE LANDFILL

Site I.D. 255983
 Site Name IESI PA BETHLEHEM LANDFILL
 Address 2335 APPLEBUTTER RD
BETHLEHEM, PA 18015
 Municipality 8924 LOWER SAUCON
 Responsible Official Allen Schleyer
 Person Interviewed Allen 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 District Manager
 Title District Manager
 Title Solid Waste Specialist

SF 266826

Comment: Additional efacts # 2390161, 2394255, 2394256

Inspection Date: 7/30/2015 Type: Routine Complete Results: No Violations 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)-(l)	11
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Access roads maintained and negotiable by collection vehicles.	<input type="checkbox"/>	273.213(a)-(l)	12
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Approved means of measuring and inspected waste utilized.	<input type="checkbox"/>	273.214(a), (b)	13
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Adequate equipment on-site and stand-by equipment available.	<input type="checkbox"/>	273.215(a), (b)	14
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vehicles directed promptly to unloading area and promptly unloaded.	<input type="checkbox"/>	273.216(a), (b)	15
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Solid waste spread and compacted as approved by Department as part of permit.	<input type="checkbox"/>	273.216(c)	16
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Operator implements fugitive air contaminant control/measures and prevents and controls air pollution including no exceeding of ambient air quality standards, no open burning, and minimizing generation of fugitive dust emissions from facility.	<input type="checkbox"/>	273.217(a)	17
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Operator complies with Air Quality Plan approval and Air quality Operating Permit.	<input type="checkbox"/>	273.217(b)	18

Site Name IESI PA BETHLEHEM LANDFILL
 ID Number 100020
 Date 7/30/15

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 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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 7/30/15

INSPECTION REPORT – MUNICIPAL WASTE LANDFILL (Cont'd)

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

STATUS				GENERAL REQUIREMENTS	COMMENTS ATTACHED	CHAPTER CITATION	LINE ITEM
1	2	3	4				
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	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 implemented 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



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WASTE MANAGEMENT

INSPECTION REPORT COMMENTS

Date of Inspection 7/30/15 Identification Number 100200

Company/Facility/Site Name IESI PA Bethlehem Landfill

On July 30, 2015 Jessica Wagoner (this inspector) conducted a routine complete inspection at IESI PA Bethlehem Landfill (IESI). At the time of this inspection Ms. Tara Quinlivan, Air Quality Specialist, was conducting a routine partial surface monitoring inspection. Mr. Allen Schleyer, District Manager, was present on behalf of IESI.

The weather at this time was 76.1°F, 95% humidity, overcast, with a SW wind at 1.2 mph.

Site Tour

The flare was operating at 1486 scfm and 1664°F. Bethlehem Renewable Energy (BRE) was also operating at this time.

The working face was located in Cell 4D. Two trucks were observed unloading at this time. Working face odors were detected in the immediate area of the working face. Mr. Schleyer explained that they are currently filling east to west and plan to start filling from the west around the fall/winter. The misters were observed operating on and off throughout the inspection.

This inspector observed crews placing additional cover soil on the southern slope. It was also noted that grass was sprouting on portions of the southern slope.

While accompanying Ms. Quinlivan during the surface monitoring inspection the condition of the southern slope was observed. No waste was observed coming through the intermediate cover. Litter was minimal. No seeps or significant erosion was observed. Some slight, intermittent landfill gas odors were noted during the surface monitoring. Select gas wells, valves, leachate cleanouts, and condensate knockouts were observed, no gapping or cracking was noted in the surrounding cover soils.

During this surface monitoring event, thirty four locations were monitored. These included points that were monitored during the June 24 & 29, 2015 inspection. Five areas were noted having methane readings >500 ppm. Refer to the Air Quality Inspection Report # 2394644 for full detail of the surface monitoring inspection.

Records Review

Daily Tonnage- Records were reviewed from July 1-30, 2015. There did not appear to be any exceedances. The highest daily tonnage was 1,573.42 on July 3, 2015.

Overweight trucks- Records were reviewed from July 1-28, 2015. IESI recorded 34 overweight trucks.

Radiation detector calibration- The stationary and handheld detectors calibration expires 6/12/16.

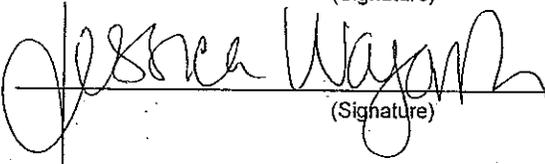
Daily background checks- records were reviewed for July 2015 and appear complete.

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

Date	Source
7/9/15	I-131
Scale Calibration- The scale was calibrated on 6/30/15.	
Leachate flow- The leachate flow for June 2015 was 1,027,179 gallons.	
Odor Patrol Logs- Logs were reviewed for July 2015.	
DEP Staff – The following Department staff have been onsite since the last inspection: Susan French (7/9/15).	
<u>Complaints</u> (eFACTS # 2390161, 2394255, 2394256)	
Since the last routine complete inspection at IESI the Department has received 8 complaints. The complaints were followed up with odor patrols conducted by the Department. IESI's daily operations records were reviewed for these dates. Copies of the odor patrols are attached to this report.	
IESI was provided with a list of the dates and times of these complaints so that IESI could provide information on landfill gas being sent to the flare and to BRE at the time of the complaints.	
Following the site inspection an odor patrol was conducted in the areas surrounding IESI. No landfill related odors were detected. A copy of the odor patrol log is attached.	
This concludes this inspection as no violations were noted, and the violations noted during the June 24, 2015 inspection have been corrected.	
	

Person Interviewed Sent via First Class Mail Date 8/6/15

(Signature)

Inspector  Date 8/6/15

(Signature)

Investigator: T. Wagoner Quinnivard Date: 7-13-01
 Weather Conditions: 81°F, 55% RH, 5.8 mph, overcast, 82% humidity
 IESI PA BETHLEHEM LANDFILL
 ODOR PATROL SURVEY

2394256

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
Applebutter	11:21	N			
Skyline Dr.	11:28	N			
Applebutter	11:38	SL	P	S	
Shinersville Rd.	11:38	SL	P	S	
Saucan Ave	11:41	N			
Roberts Ave	11:43	N			
Mixsell Ave	11:44	N			
Adams Ave	11:44	N			
Johnston Ave	11:45	N			
Jefferson Ave	11:46	N			
Riverside Dr.	11:47	N			
Fitz Ave	11:47	N			
Senuab Ave	11:49	N			
Shinersville Rd.	11:50	M	P	O	weldburning
Applebutter Rd.	11:51	SL-M	P	S	
Lower Saucan Rd.	11:58	N			
Redington Rd.	12:01	N			
Lower Saucan Rd.	12:06	N			

Investigator: J. Wagner / T. Quinlan Date: 7/30/15
 Weather Conditions: see page 1

IESI PA BETHLEHEM LANDFILL
 ODOR PATROL SURVEY

SURVEY LOCATION	TIME	ODOR INTENSITY S = Strong M = Moderate SL = Slight N = None	ODOR DURATION P = Persistent I = Intermittent N = None	ODOR DESCRIPTION EG = Rotten Egg LFG = Landfill Gas G = Garbage S = Sewage D = Dredge O = Other (describe)	COMMENTS & OBSERVATIONS
Applebutter Rd.	12:12	SL	I	S	
Sammerville Rd.	12:13	SL	I	S	
Moun St.	12:14	N			

2394255

Investigator: Jessica Waggoner Date: 7/23/15
 Weather Conditions: 69.8°F clear, SW @ 10 mph, 58% humidity

IESI PA BETHLEHEM LANDFILL
 ODOR PATROL SURVEY

SURVEY LOCATION	TIME	ODOR INTENSITY S = Strong M = Moderate SL = Slight N = None	ODOR DURATION P = Persistent I = Intermittent N = None	ODOR DESCRIPTION EG = Rotten Egg LFG = Landfill Gas G = Garbage S = Sewage D = Dredge O = Other (describe)	COMMENTS & OBSERVATIONS
MAIN	9:11	N			
Summersville Rd.	9:13	SL	P	O	wood burning
JEFFERSON AVE	9:14	N			
JOHNSTON AVE	9:16	N			
SNYDER AVE	9:16	N			
ROBERTS AVE	9:17	N			
Saucun Ave	9:18	SL	I	O	wood burning
ROBERT AVE	9:19	N			
MIXELL AVE	9:20	N			
ADAMS AVE	9:20	N			
JOHNSTON AVE	9:21	N			
JEFFERSON AVE	9:21	N			
RIVERSIDE DR	9:22	N			
Fritz Ave	9:22	M	P	O	oil/fuel
Schwarb Ave	9:24	SL	I	O	cut grass
Summersville Rd	9:26	SL	I	O	wood burning
Applebush Rd	9:26	N			
SKYLINEDR	9:30	SL	I	S	

Investigator: Jessica Wagoner Date: 7/15/15
 Weather Conditions: 78°F overcast, NW @ 6.9 mph, 76% humidity

2390141
 IESI PA BETHLEHEM LANDFILL
 ODOR PATROL SURVEY

SURVEY LOCATION	TIME	ODOR INTENSITY S = Strong M = Moderate SL = Slight N = None	ODOR DURATION P = Persistent I = Intermittent N = None	ODOR DESCRIPTION EG = Rotten Egg LFG = Landfill Gas G = Garbage S = Sewage D = Dredge O = Other (describe)	COMMENTS & OBSERVATIONS
MAIN	1325	N			
Shmarnsville Rd.	1326	SL	DI	O	damp/musty odor
Riverside Dr.	1327	N			
Jefferson Ave.	1328	N			
Johnston Ave.	1330	N			
Snyder	1330	N			
Wyward Ave.	1331	N			
Shmarnsville Rd.	1331	N			
Saucan Ave.	1333	N			
Roberts Ave.	1334	N			
Snyder Ave.	1334	N			
Mathews Ave.	1334	SL	P	O	Fresh asphalt - newly paved
Mixell Ave.	1335	SL	I	O	Fresh cut grass - mowing in progress.
Adams Ave.	1336	N			
Schwab. Ave.	1339	N			
Shmarnsville Rd.	1340	SL	I	O	railroad bed.
Appleville Rd.	1340	SL	I	O	wet hay & manure
Lower Saucan Rd.	1348	N			

Investigator: J. Wagoner Date: 7/15/15
 Weather Conditions: see page 1

IESI PA BETHLEHEM LANDFILL
 ODOR PATROL SURVEY

SURVEY LOCATION	TIME	ODOR INTENSITY S = Strong M = Moderate SL = Slight N = None	ODOR DURATION P = Persistent I = Intermittent N = None	ODOR DESCRIPTION EG = Rotten Egg LFG = Landfill Gas G = Garbage S = Sewage D = Dredge O = Other (describe)	COMMENTS & OBSERVATIONS
Rodungton Rd.	1353	N			
Lower Succan Rd.	1355	N			
Swemy Hill Rd.	1358	N			
Ringhofer Rd.	1359	N			
Apparatus Rd.	1402	SL	I	O	wood burning
Skylime Dr.	1405	SL	I	O	skunk - track kill # grape scum @ dead

Wagoner, Jessica

From: Allen Schleyer <allen.schleyer@progressivewaste.com>
Sent: Friday, July 31, 2015 5:12 PM
To: Wagoner, Jessica
Subject: RE: Updated Copy of July Complaint Log
Attachments: JW - requested information.pdf

Jessica

The complaint log has been sent to Ken for update.

Attached is the requested landfill information.

Al

From: Wagoner, Jessica
Sent: Friday, July 31, 2015 9:19 AM
To: aschleyer@iesi.com
Subject: RE: Copy of July Complaint Log

Hi Al,

Please add July 23, 2015 at 8:30am to the list of complaint dates your gathering information for. The complaint was a drive-by on Applebutter Rd. and they said it smelled really bad.

Also could you copy and send the following records to me in order to complete yesterday's inspection:

1. Daily tonnage (July 1-30)
2. Overweight trucks (July 1-30)
3. Daily radiation detector checks
4. Radiation hits (July 1-30)
5. June's leachate totals
6. Patrol Logs (July 1-30)
7. Date of scale calibration.

Thanks,
Jessica

From: Wagoner, Jessica
Sent: Thursday, July 30, 2015 7:45 AM
To: aschleyer@iesi.com
Subject: Copy of July Complaint Log

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

Allen Schleyer

From: Wagoner, Jessica [jwagoner@pa.gov]
Sent: Friday, July 31, 2015 9:19 AM
To: Allen Schleyer
Subject: RE: Copy of July Complaint Log

Hi Al,

Please add July 23, 2015 at 8:30am to the list of complaint dates your gathering information for. The complaint was a drive-by on Applebutter Rd. and they said it smelled really bad.

Also could you copy and send the following records to me in order to complete yesterday's inspection:

- ✓ 1. Daily tonnage (July 1-30)
- ✓ 2. Overweight trucks (July 1-30)
- ✓ 3. Daily radiation detector checks
- ✓ 4. Radiation hits (July 1-30)
- ✓ 5. June's leachate totals
- ✓ 6. Patrol Logs (July 1-30)
- ✓ 7. Date of scale calibration.

Thanks,
Jessica

From: Wagoner, Jessica
Sent: Thursday, July 30, 2015 7:45 AM
To: aschleyer@iesl.com
Subject: Copy of July Complaint Log

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 Bethlehem Landfill

3rd Quarter total work days
QDAT

3rd Quarter total tonnage
Saturday Tonnage @
Monthly Budget Tonnage
Days in Month
Budgeted tons per day
Budget Revenue
Budget Rate per ton

DAILY TONNAGE REPORT
MONTH OF:

JULY 2015

* scales calibrated 6/30/2015

Day Number	Date	Tonnage	ADC	Month QDAT	Day of Quarter	Quarter Tonnage	Quarter QDAT	Remaining Days	Remaining Tonnage	Tonnage Above or (Below) Budget	Daily Tonnage Sd. @	ADC Average Tip Fee	MSW Average Tip Fee
1	1-Jul	892.81	0.00	892.81	1	892.81	892.81	78	107,732.2	(213.3)	1,557.4	\$ 48.17	
2	2-Jul	1,239.24	0.00	1,098.03	2	2,132.1	1,098.03	77	106,493.0	(80.1)	1,582.4	\$ 48.48	
3	3-Jul	1,573.42	0.00	1,236.16	3	3,705.5	1,236.16	76	104,919.5	387.2	1,582.2	\$ 46.36	
4	4-Jul	867.00	0.00	914.49	4	4,572.5	914.49	74	104,052.5	(857.9)	1,581.5	\$ 49.53	
5	5-Jul	1,372.64	0.00	980.85	5	5,945.1	980.85	73	102,679.9	(881.3)	1,584.5	\$ 48.37	
6	6-Jul	1,297.81	0.00	1,033.27	6	7,232.9	1,033.27	72	101,392.1	(899.9)	1,589.9	\$ 46.78	
7	7-Jul	1,442.53	0.00	1,094.43	7	8,675.4	1,094.43	71	99,543.8	(173.1)	1,582.4	\$ 46.27	
8	8-Jul	881.35	0.00	1,072.98	8	9,556.8	1,072.98	70	98,568.2	(287.5)	1,602.9	\$ 47.53	
9	9-Jul	1,204.68	0.00	1,029.15	9	11,320.6	1,029.15	68	97,304.4	(848.2)	1,610.9	\$ 47.11	
10	10-Jul	1,388.12	0.00	1,059.1	10	12,708.7	1,059.1	67	95,915.3	(894.2)	1,614.6	\$ 46.52	
11	11-Jul	1,334.42	0.00	1,080.24	11	14,043.1	1,080.2	66	94,581.9	(935.3)	1,618.7	\$ 47.53	
12	12-Jul	1,100.30	0.00	1,081.67	12	15,143.4	1,081.7	65	93,481.6	(341.5)	1,629.3	\$ 49.88	
13	13-Jul	1,201.68	0.00	1,088.89	13	16,345.4	1,088.7	64	92,279.6	(245.7)	1,637.4	\$ 48.41	
14	14-Jul	855.68	0.00	1,006.69	14	17,049.0	1,006.7	63	91,076.0	(1,754.2)	1,664.9	\$ 54.35	
15	15-Jul	847.98	0.00	892.11	15	17,896.9	892.1	62	90,767.0	(2,051.3)	1,681.7	\$ 49.73	
16	16-Jul	808.98	0.00	893.48	16	18,705.8	893.5	61	89,749.3	(2,139.7)	1,685.0	\$ 48.31	
17	17-Jul	1,017.64	0.00	973.46	17	19,723.4	973.4	60	89,155.8	(2,652.3)	1,717.5	\$ 53.87	
18	18-Jul	593.55	0.00	883.96	18	20,243.7	883.9	59	88,381.4	(2,983.9)	1,737.1	\$ 49.80	
19	19-Jul	774.44	0.00	814.57	19	21,018.1	814.5	58	87,889.8	(4,404.5)	1,757.9	\$ 51.27	
20	20-Jul	703.99	0.00	806.97	20	21,722.0	807.0	57	86,857.7	(4,778.4)	1,790.4	\$ 52.85	
21	21-Jul	732.15	0.00	801.42	21	22,454.1	801.4	56	85,959.6	(5,118.4)	1,813.1	\$ 49.33	
22	22-Jul	788.10	0.00	882.30	22	23,168.9	882.3	55	85,425.2	(5,858.1)	1,839.2	\$ 51.40	
23	23-Jul	664.42	0.00		23			52					
24	24-Jul				24								
25	25-Jul				25								
26	26-Jul				26								
27	27-Jul				27								
Month Total		23,199.83	0.00										
Quarter Total		23,199.83											

April	
May	
June	



MONTHLY RADIATION LOG **MONTH JULY 2015**

Day	Tested YES	Tested NO**	Comments: (** if not tested, must give reason why)
1	NR		
2	NR		
3	NR		
4	CLOSED		
5	CLOSED		
6	NR		
7	NR		
8	NR		
9	NR		
10	NR		
11	NR		
12	CLOSED		
13	NR		
14	NR		
15	NR		
16	NR		
17	NR		
18	NR		
19	CLOSED		
20	NR		
21	NR		
22	NR		
23	NR		
24	NR		
25	NR		
26	CLOSED		
27	NR		
28	NR		
29	NR		
30	NR		
31	NR		



Dee Raisner

From: Dee Raisner
Sent: Thursday, July 09, 2015 3:48 PM
To: Allen Schleyer; Dean Fisher (defisher@pa.gov); receptionist@lowersaucontownship.org; Roger Bellis (rbellias@pa.gov); Susan French (sfrench@pa.gov); Wagoner, Jessica
Subject: Bethlehem Landfill Radiation Alarm 7-9-15

Bethlehem Landfill's radiation alarm detected radioactive material on the following date:

Thursday, July 09, 2015 12:41 pm I-131 @ 942 uR/hr.

The truck was scanned and determined to be Iodine 131. This meets Level 1 requirements and the waste load was disposed on site.

Please see the attachment; the truck was scanned @ East Penn Transfer Station prior to the arrival at IESI Bethlehem Landfill. Documentation is on file.

If you have any questions please call or email

Dee Raisner

IESI

A Progressive Waste Solutions Company

T: 610-317-3200

F: 610-317-8799

Scale Fax: 610-317-8924

2335 Applebutter Road

Bethlehem, PA 18015

www.iesi.com

draisner@iesi.com



Bethlehem Landfill Vehicle Survey Form

I. Initial Information

SURVEYOR NAME (PRINTED): <i>Fred Brown</i>	SURVEYOR SIGNATURE: <i>Fred Brown</i>
Alarm Date/Time: <i>7/9/15 12:41 PM</i>	Driver Name: <i>Pedro Esq</i>
Truck License No <i>AG-17961 PA</i>	Company Name: <i>ESQ</i>

II. Instruments Used

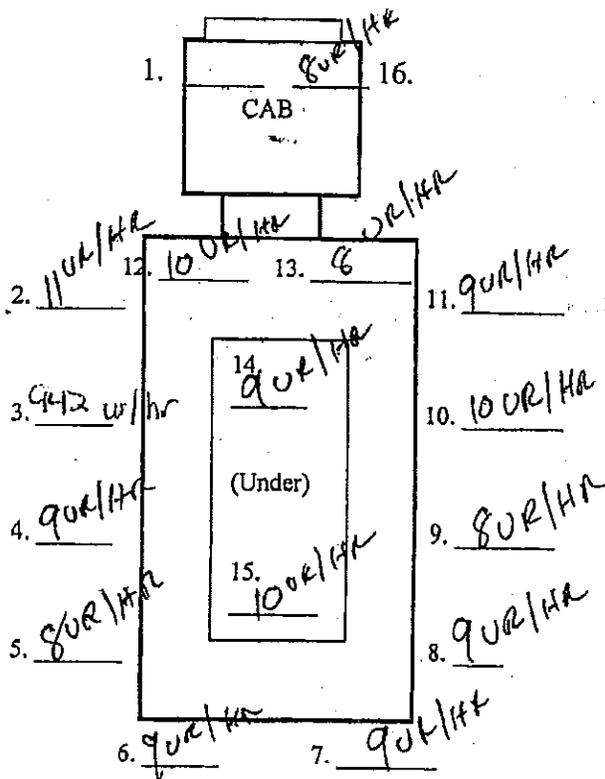
Survey Meter	SN: A	Cal Due:	Response OK? <u>Y</u>
MCA	SN: A	Cal Due:	Response OK? <u>Y</u>
Other _____	SN:	Cal Due:	Response OK? _____

III. Holding Area Checks

Have truck occupants recently had a medical treatment using radioisotopes?		YES	CIRCLED NO
Abbrev. Vehicle Survey (uR/hr)	Background (uR/hr): <i>10 uR/hr</i>	Front (uR/hr): <i>9 uR/hr</i>	Back (uR/hr): <i>8 uR/hr</i>
Driver Survey Results (uR/hr)	Background (uR/hr): <i>10 uR/hr</i>	Contact (uR/hr): <i>10 uR/hr</i>	Left (uR/hr): <i>10 uR/hr</i> Right (uR/hr): <i>8 uR/hr</i>
Route Information:	MSW from NY transfer station		

IV. Vehicle Survey

NOTE: RECORD ALL DOSE RATES, AND UNITS. MARK HIGHEST DOSE RATE AND CIRCLE ON FORM.



Large Area Smear (LAS)

(Outside of truck, representative of the load)

Smear Area Description: _____

$$\begin{aligned} \text{dpm} &= \text{Smear cpm} - \text{Bkg cpm} \times 10 \text{ dpm/cpm} \\ &= \text{_____ cpm} - \text{9 cpm} \times 10 \text{ dpm/cpm} \\ &= \text{_____ dpm/LAS} \end{aligned}$$

≥ 1,000 dpm/LAS may indicate contamination present.

Isotopic Identification

(from MCA Results)

Location of Scan: *Left front of TRUCK "TOP"*

**** Dose Rate: * (for Classifying Truck)

Isotopes Identified: *I-131*

Spectrum Number: 24

Notes: _____

2900-FM-RP0045 1/2008



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF RADIATION PROTECTION

PA DEP/BRP EXEMPT MATERIAL TRANSPORTATION APPROVAL FORM
FOR HOUSEHOLD MUNICIPAL WASTE

Date: 07/09/2015

Originating Facility Permit #: 101358

NOTICE: This shipment of household waste contains radioactive material causing low-level radiation outside the vehicle. The Pennsylvania Department of Environmental Protection (PA DEP) Bureau of Radiation Protection (BRP) authorizes this shipment within the Commonwealth only. In accordance with an approved Radiation Protection Action Plan, the originating facility has determined the solid waste contained herein exclusively consists of "household waste" and thus the materials do not meet the regulatory definition of "hazardous waste" as defined by the United States Department of Transportation (DOT) in Title 49 of the Code of Federal Regulations. The originating facility attests that the load does not exceed Action Level 2 criteria of the PA DEP Document Number 260-3100-001 entitled "Final Guidance Document on Radioactivity Monitoring at Solid Waste Processing and Disposal Facilities" (Guidance), and that the identified isotope(s) are listed in Appendix B of the Guidance. This waste is in transport to a location within the Commonwealth of Pennsylvania where it will be processed or disposed of in accordance with an approved Radiation Protection Action Plan. Use of this form satisfies the requirement for use of an authorized DOT Exemption form when all of the conditions listed herein are satisfied.

**In case of emergency, contact PA DEP / Emergency Management Coordinator at (717) 787-8027.

1. ORIGINATING FACILITY:

Facility Name: East Penn Transfer Type: Transfer Station
Address: 4207 4627 Hanover Rd Berlin PA
Contact Person: Bob Sigley Ph: 610 759 6398 Fax: _____

2. TRANSPORTER/CARRIER:

Company: ESQ Transport Operator Name: _____
Contact Person: Raphel Ph: 610 762 7511 Fax: _____
Vehicle Description: Beats Trailer Id. No.: PA PT-50627 # 280

3. VEHICLE RADIATION MEASUREMENTS:

Date/Time of Alarm: 7/9/15 1400 Date/Time of Survey: 7/9/15 1400 Inst. model/serial#: PIPER Micro Analyt X 1 B115
Bkg. mrem/hr: 0.007 Vehicle mrem/hr (max): 0.25 (Note location on vehicle on page 2)
Identified radioactive isotope(s): I-131 External Contamination: NO 0 dpm/100 cm² (see limits below)
Surveyor name: G. Winters Ph: 610-756-4133

4. FINAL DESTINATION FOR HOUSEHOLD WASTE (The transporter/cARRIER may transport to this location only):

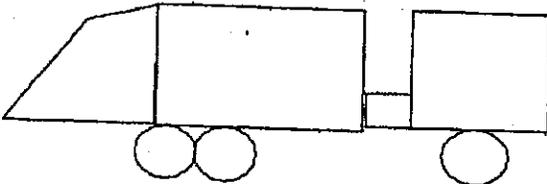
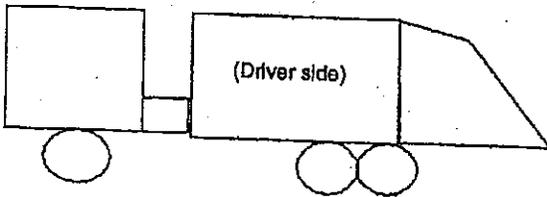
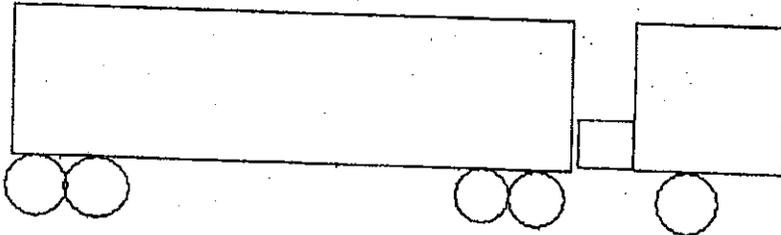
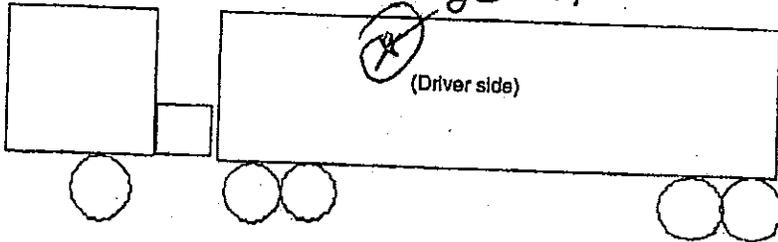
Facility Name: Berlin Landfill - TEST Location: Apple Hill Rd Berlin Pa
Contact Person: Allen Schleyer Ph: 610 317 3200 Fax: 610-317-8924
Reason for Material to be Moved: Final disposal

5. CONDITIONS OF USE:
- a. The PA DEP has authorized the originating facility to use this approval form.
 - b. Transport is limited to travel within the Commonwealth of Pennsylvania.
 - c. The load contents exclusively consist of "household waste."
 - d. The isotopic evaluation includes only identified radioactive material. (no unidentified radionuclides are present).
 - e. The radioactive contaminants identified are listed in Appendix B of the Guidance document.
 - f. The dose rate is < 50 mrem/hr at 2 cm from any surface of vehicle; < 2 mrem/hr in the cab of the vehicle; if removable contamination has been detected on the external surfaces of the vehicle, it is below Action Plan limits.
 - g. The receiving facility must agree to accept the shipment prior to transport.
 - h. Transport is completed without altering the contents of the load. Do not add or remove any waste prior to final destination.
 - i. Other (e.g., comments, specific directions, etc. in section number 7 at the bottom of page 2).
- Has Destination Facility been contacted and agreed to accept load? Yes No (check when complete)

* "household waste" means any material (including garbage, trash and sanitary wastes in septic tanks) derived from households (including single and multiple residences, hotels and motels, bunkhouses, ranger stations, crew quarters, campgrounds, picnic grounds and day-use recreation areas).

NOTE: Originating Facility shall retain this form for Departmental review and provide a copy to the driver.

6. RADIATION SURVEY DETAILS



NOTE:
Identify the area of highest dose rate on the vehicle with an asterisk (*)

7. REMARKS, OTHER INFORMATION or REQUIREMENTS:

8. CERTIFICATION BY ORIGINATING FACILITY

I certify, under penalty of law, that all the information given in this form is true, accurate, and complete. I understand that if I willfully provide false information, or withhold any material information, I am in violation of our Radiation Action Plan and am subject to the penalties of 18 Pa. C.S. §4904, relating to unsworn falsification to authorities, which include fine and imprisonment.

Name: Pete Nowlan Pete Nowlan 1-7/8/15 Title: Rad Tech
Print Signature Date

Organization: Health Physics Ass. Ph.: 610-756-4153 Fax: 610-756-0042

NOTE: Originating Facility shall retain this form for Departmental review and provide a copy to the driver.

EAST PENN SANITATION, INC.

EAST PENN TRANSFER STATION
4687 HANOVERVILLE ROAD
BETHLEHEM, PA 18020

GENERATOR

GENERATOR INSTRUCTIONS

48908

SECTION I: OPERATOR/CONTRACTOR

NAME: East Penn Sanitation Inc.
ADDRESS: 4687 Hanoverville Road Bethlehem, PA 18020
PHONE: 610-759-6398

SECTION II: WASTE DISPOSAL SITE

NAME: IESI Bethlehem Landfill
ADDRESS: 2335 Apple Butter Road,
Bethlehem, PA 18015
PHONE: 610-317-3200

SECTION III: DESCRIPTION OF WASTE

Construction & Demolition (CD&D)

Municipal & Construction (MSWIC&D)

Municipal Solid Waste (MSW)

TRANSPORTER

SECTION IV: TRANSPORTER 1

NAME OF CO: ESR - Trans, LLC
ADDRESS: 1040 Blue Bank Road
DRIVER: Redo 550-00
TRUCK NO: 275/280
PHONE: (610) 767-7511
Print/Type Name/Title

Acknowledgement of receipt of materials

Signature [Signature]

Shipment Date 07/19/15

SECTION V: TRANSPORTER 2

NAME OF CO: _____
ADDRESS: _____
DRIVER: _____
TRUCK NO: _____
PHONE: _____
Print/Type Name/Title

Acknowledgement of receipt of materials

Signature _____

Shipment Date _____

DISPOSAL SITE

DISCREPANCY INDICATION SPACE

DISPOSAL COORDINATES (Landfill use only)

Print/Type Name

Signature 1 Date

SITE AND ADDRESS

DISPOSAL INSTRUCTIONS

I hereby certify that the above material has been accepted and to the best of my knowledge the foregoing is true and accurate.

AUTHORIZED AGENT (PLEASE PRINT)

SIGNATURE OF AUTHORIZED AGENT _____ Receipt Date _____

DESTINATION - WHITE

GENERATOR - YELLOW

OPERATOR - PINK

TRANSPORTER - GOLDENROD

BETHLEHEM LANDFILL
LEACHATE DEMAND REPORT
June 2015

<u>Location</u>	<u>Total gallons</u>
LMC-6	7,391
LMC-7	42,185
LMC-8	38,221
LMC-10	1,600,000
PS-1	597,155
PS-2	96,392
PS-3	36,246
Phase-IV	729,793

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	1,600,000
<u>Phase IV</u>	<u>729,793</u>
TOTAL	2,329,793 gallons

Total Leachate

Leachate	297,386
<u>Phase IV</u>	<u>729,793</u>
TOTAL	1,027,179 gallons

LMC-10 Flow – Abatement System Flow = Leachate System Flow (gallons).
 Abatement System Flow = 1,302,614 gallons (Neptune Flow meters)

IESI PA BETHLEHEM LANDFILL ORDOR PATROL SURVEY - 2015

INITIALS	DATE	SURVEY LOCATION	TIME	ODOR INTENSITY S = Strong M = Moderate SL = Slight N = None	WIND DIRECTION	ODOR DESCRIPTION EG = Rotten Eggs LFG = Landfill Gas G = Garbage S = Sewage D = Dredge O = Other (describe)	COMMENTS & OBSERVATIONS
#	7-8-15	Landfill Perimeter	08:15	N			No Landfill odors detected
#	7-6-15	N side	09:30	SL		Garbage	blocks from cell
"	"	South + East	10:15	N			
"	"	South Hill	13:30	N			
"	"	Academy/Skyline	13:50	N			
#	7-8	N side water tank	10:45	N			
"	"	SW along access road	11:10	N			
#	7-10	Perimeter Maintenance	16:20	90 N			
"	7-13	North MSW + Tank	10:40	N			
"	7-15	Perimeter check		N		C	S.G. near working fence
"	7-16	North C Perimeter Park	18:20	SL	W side mixed	C	slight wind
"	7-18	East + South	11:50	SL		G	on south access road
#	7-17	Landfill Perimeter	15:28	N			Perimeter and to West tank
#	7-21	Landfill N side + East	13:50	N			
"	"	S Slope	10:40	SL		LFG	very light intermits 4' bank
#	7-24	landfill perimeter	10:50	N			
"	"	landfill perimeter	16:20	SL		LFG	top of South Slope

