



pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION
BETHLEHEM DISTRICT OFFICE

December 5, 2013

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

- ROUTING** Solid Waste Specialist
- Council Waste Management Program
- Manager
- Asst. Mgr.
- Zoning
- Finance
- Police Enclosure
- P. Works
- P/C
- P & R
- EAC
- Engineer
- Solicitor
- Planner
- Landfill
- EMC
- Other

4530 Bath Pike | Bethlehem, Pennsylvania 18017-9074

610.861.2136 | Fax 610-861-2072

Printed on Recycled Paper

www.depweb.state.pa.us

S
orig
Website

bcc: PADEP NERO WM File thru J. Leskosky
Facility (provided during the inspection)
PADEP BDO WM File thru W. Govern
D. Fisher
S. French
W. Govern
M. Aileo
Lower Saucon Twp.

WFG/wfg

IESI PA Bethlehem Landfill
ATTN: Al Schleyer
2335 Applebutter Road
Bethlehem, PA 18015



INSPECTION REPORT – MUNICIPAL WASTE LANDFILL

Site I.D. 255983
 Site Name IESI PA BETHLEHEM LDFL
 Address 2335 APPLEBUTTER ROAD
SR 2012 City BETHLEHEM State PA code 18015
 Municipality LOWER SAUCON TOWNSHIP
 Responsible Official SAMUEL DONATO, JR.
 Person Interviewed AL SCHLEYER
 Inspector WALTER F. GOVERN III
 eFACTS ID # PF 268729 SF 266826

Telephone # _____
 Operator Name IESI PA BETHLEHEM LDFL CORP
 Address 2335 APPLEBUTTER ROAD
SR 2012 City BETHLEHEM State PA code 18015
 County NORTHAMPTON
 Title PA DISTRICT MANAGER
 Title COMPLIANCE MANGER
 Title SOLID WASTE SPECIALIST

Comment: _____
 Inspection Date: 11 / 21 / 2013 Type: RTNC Results: NOVIO Resolved: / /
 Permit Expiration Date: 04 / 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>01/31/2014</u>)	<input type="checkbox"/>	271.371	1
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Operation in accordance with approved plans and permit.	<input type="checkbox"/>	273.201(c)(2)	2
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Operation within permit boundaries (vertical and horizontal).	<input type="checkbox"/>	273.201(c)(2)	3
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Disposal Timing and sequence as per Section 273.112(1).	<input type="checkbox"/>	273.201(c)(2)	4
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	No unapproved wastes or liquids.	<input type="checkbox"/>	273.201(d)-(m)	5
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Isolation distances are adhered to.	<input type="checkbox"/>	273.202(a)	6
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Facilities certification requirements followed.	<input type="checkbox"/>	273.203(a), (b)	7
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Written Department approval of new construction prior to waste disposal.	<input type="checkbox"/>	273.203(c)	8
DAILY OPERATIONS							
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Proper signs posted.	<input type="checkbox"/>	273.211(a)	9
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Site perimeter clearly marked and grid coordinate system in use.	<input type="checkbox"/>	273.311(b)-(d)	10
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Proper barriers installed around site and access controlled when attendant not present.	<input type="checkbox"/>	273.212(a)-(i)	11
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Access roads maintained and negotiable by collection vehicles.	<input type="checkbox"/>	273.213(a)-(i)	12
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Approved means of measuring and inspected waste utilized.	<input type="checkbox"/>	273.214(a), (b)	13
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Adequate equipment on-site and stand-by equipment available.	<input type="checkbox"/>	273.215(a), (b)	14
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vehicles directed promptly to unloading area and promptly unloaded.	<input type="checkbox"/>	273.216(a), (b)	15
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Solid waste spread and compacted as approved by Department as part of permit.	<input type="checkbox"/>	273.216(c)	16
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Operator implements fugitive air contaminant control/measures and prevents and controls air pollution including no exceeding of ambient air quality standards, no open burning, and minimizing generation of fugitive dust emissions from facility.	<input type="checkbox"/>	273.217(a)	17
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Operator complies with Air Quality Plan approval and Air quality Operating Permit.	<input type="checkbox"/>	273.217(b)	18

Site Name	IESI PA BETHLEHEM LANDFILL
ID Number	100020
Date	11/21/2013

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 type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	If intermediate cover requires revegetation, it is established within 30 days.	<input type="checkbox"/>	273.233(e)	33
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Slopes constructed during daily landfilling and intermediate cover activities may not exceed 50 percent.	<input type="checkbox"/>	273.233(f)	34
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Operator does not cause or allow waste pollution within or outside the site from operation of the facility.	<input type="checkbox"/>	273.241(a)-(c)	35
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Operator has restored or replaced adversely affected water supply with an alternative source of like quantity and quality.	<input type="checkbox"/>	273.245(a)	36
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Temporary water supply is provided within 48 hours.	<input type="checkbox"/>	273.245(b)	37
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Permanent water supply is provided within 90 days.	<input type="checkbox"/>	273.245(c)	38
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	No waste 15 feet of inside top of the lined perimeter berm.	<input type="checkbox"/>	273.252(e)	39

INSPECTION REPORT – MUNICIPAL WASTE LANDFILL (Cont'd)

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

STATUS				GENERAL REQUIREMENTS	COMMENTS ATTACHED	CHAPTER CITATION	LINE ITEM
1	2	3	4				
DAILY OPERATIONS (Continued)							
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Lined perimeter berm 4 ft. high constructed and maintained along edge of the lined disposal area.	<input type="checkbox"/>	273.252(f)	40
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Edge of liner clearly marked.	<input type="checkbox"/>	273.252(g)	41
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Alternate leachate recirculation method may be used if approved if one of the liner systems is a composite liner.	<input type="checkbox"/>	273.274(b)	42
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Underground pipes used to transport leachate to leachate storage impoundments or tanks equipped with secondary containment or comply with 245.445.	<input type="checkbox"/>	273.275(g)	43
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Operator isolates coal seams, coal outcrops and coal refuse from waste deposits to prevent combustion of waste and damage to liner.	<input type="checkbox"/>	273.291(a)	44
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mine openings within site sealed as approved by Department.	<input type="checkbox"/>	273.291(b)	45
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Operator implements plan for controlling potential damage from subsidence submitted and approved under 273.120.	<input type="checkbox"/>	273.291(c)	46
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Landfill designed, constructed, maintained and operated to prevent and minimize potential for fire, explosion, or release of solid waste constituents into air, water, or soil of the Commonwealth.	<input type="checkbox"/>	273.301	47
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Emergency equipment including portable fire extinguishers, fire control equipment, spill control equipment, and decontamination equipment available. For fire equipment requiring water, facility has a water supply of or adequate quantity and pressure to supply the equipment.	<input type="checkbox"/>	273.302(a)	48
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Emergency equipment tested and maintained.	<input type="checkbox"/>	273.302(c)	49
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Adequate space maintained to allow unobstructed movement of emergency personnel and equipment.	<input type="checkbox"/>	273.302(d)	50
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Litter controlled/collected and barriers/fences in place.	<input type="checkbox"/>	273.220(a)-(c)	51
COVER/SLOPES/REVEGETATION							
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Daily/intermediate cover meets performance and design requirements.	<input type="checkbox"/>	273.232(b), 273.233(b), (c)	52
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Minimum 5 day supply of daily and intermediate cover maintained on-site.	<input type="checkbox"/>	273.232(c) & 273.233(d)	53
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Intermediate cover applied within time limits.	<input type="checkbox"/>	273.233(a)	54
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Intermediate slopes do not exceed 50%.	<input type="checkbox"/>	273.232(d)	55
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cap placed over entire surface of final lift meets performance standards.	<input type="checkbox"/>	273.234(a)(1)	56
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Final cover meets performance and design requirements; applied within time limits.	<input type="checkbox"/>	273.234(b)-(e)	57
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Final slopes stable and erosion controlled.	<input type="checkbox"/>	273.234(f)	58
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Final slopes graded 3-15% or terraced to 33% as approved.	<input type="checkbox"/>	273.234(g)	59
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Minimum revegetation and successful revegetation requirements adhered to.	<input type="checkbox"/>	273.235(a)-(e) & 273.236(a), (b)	60
WATER QUALITY PROTECTION							
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Surface and groundwater treatment facilities properly operated and maintained.	<input type="checkbox"/>	273.241(b)	61
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Surface water percolation minimized/prevented.	<input type="checkbox"/>	273.242(b)(1) & 273.234(e)(4)	62

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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Leachate treatment system permitted and fully operational at least 3 years before closure.	<input type="checkbox"/>	273.273(e)	77
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Leachate recirculation in accordance with regulations.	<input type="checkbox"/>	273.274(1)-(4)	78
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Leachate collection and storage systems on-site have capacity of 30 days or 250,000 gallons, whichever is greater.	<input type="checkbox"/>	273.275(a)-(f)	79
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Leachate flow rate measured daily; analyzed quarterly.	<input type="checkbox"/>	273.276(a)-(b)	80
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Department notified when remedial action(s) required.	<input type="checkbox"/>	273.277(1)-(4)	81
WATER QUALITY MONITORING							
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Approved monitoring system installed and maintained.	<input type="checkbox"/>	273.281(a), (b) & 273.283	82
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Quarterly and annual monitoring requirements adhered to and results submitted Department within time constraints.	<input type="checkbox"/>	273.284 & 273.285	83
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Groundwater assessment plan submitted and implement as required.	<input type="checkbox"/>	273.286(a)-(g)	84
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Groundwater abatement plan submitted and implemented as required.	<input type="checkbox"/>	273.287(a)-(f)	85
RECORDKEEPING AND REPORTING							
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Operational records maintained, available and submitted as required.	<input type="checkbox"/>	273.288 & 273.311-273.313	86
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Daily Operational Records kept in accordance with regulations for the life of the facility bond or longer if necessary.	<input type="checkbox"/>	273.311(d)	87

INSPECTION REPORT – MUNICIPAL WASTE LANDFILL (Cont'd)

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

STATUS				GENERAL REQUIREMENTS	COMMENTS ATTACHED	CHAPTER CITATION	LINE ITEM
1	2	3	4				
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Operator submits quarterly operation report.	<input type="checkbox"/>	273.312	88
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Operator submits annual operation report with fee.	<input type="checkbox"/>	273.313	89
				MINERALS AND GAS	<input type="checkbox"/>		
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gas venting and monitoring in accordance with approved plans.	<input type="checkbox"/>	273.292(a)-(d)	90
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Combustible gas levels not exceeded.	<input type="checkbox"/>	273.292(e)	91
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Forced gas venting if required.	<input type="checkbox"/>	273.292(f)	92
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gas recovery conducted as per approved plan and §273.293, including annual analysis.	<input type="checkbox"/>	273.293(a), (b)	93
				EMERGENCY PROCEDURES			
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Contingency plan implemented if there is an emergency.	<input type="checkbox"/>	273.303(a)-(c)	94
				RECYCLING			
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Operator shall salvage and recycle waste in accord with recycling plan. (273.196)	<input type="checkbox"/>	273.331(a)	95
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Salvaging and recycling controlled by operator and prevents interference within operations and prevents health hazardous nuisance.	<input type="checkbox"/>	273.331(b)	96
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Salvaged materials stored in an approved area or transported offsite.	<input type="checkbox"/>	273.331(c)	97
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Drop off center established for at least three recyclables.	<input type="checkbox"/>	273.332(a)	98
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Drop off center properly located, contains bins or containers, open at least 8 hours per week and 4 hours during evenings or weekends.	<input type="checkbox"/>	273.332(b), (c)	99
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Approved public notice of availability of drop off center availability is provided.	<input type="checkbox"/>	273.332(d)	100
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	On or before January 15 each year, operator informs municipality in writing of weight and type of materials recycled previous year.	<input type="checkbox"/>	273.332(e)	101
				SPECIAL HANDLING AND RESIDUAL WASTES			
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Special handling and residual wastes disposed with prior Department approval, and in accordance with permit and Chapter 273.	<input type="checkbox"/>	273.501	102
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Infectious waste disposal restrictions adhered to.	<input type="checkbox"/>	273.511(a)-(d)	103
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Chemotherapeutic waste disposal restrictions adhered to.	<input type="checkbox"/>	273.512	104
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sewage sludge co-disposal and monofill requirements followed.	<input type="checkbox"/>	273.513	105
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sewage sludge sampling requirements adhered to and sludge meets standards for control of pathogens, vectors, and odors.	<input type="checkbox"/>	273.513(c)	106
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Disposal of municipal waste incineration ash in landfill or landfill cell that meets Chapter 273 requirements.	<input type="checkbox"/>	273.514(a)	107
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Ash residue disposal in dedicated landfill or landfill cell unless co-disposal in accordance with Chapter 273 (including leachability treatment).	<input type="checkbox"/>	273.514(b)	108
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Ash residue covered immediately or as approved by the Department.	<input type="checkbox"/>	273.514(c)	109



INSPECTION REPORT COMMENTS

Date of Inspection 11/21/2013 Identification Number 100020

Company/Facility/Site Name IESI PA BETHLEHEM LANDFILL

Comments:

On November 21, 2013, a routine monthly inspection was conducted in the afternoon at IESI PA Bethlehem Landfill (IESI). Also during this inspection, an investigation was conducted as a result of an odor complaint received by the Department on November 15, 2013 at approximately 1153 hrs. Attending the inspection was Walter F. Govern III (this inspector), representing the PA Department of Environmental Protection (Department). Representing IESI PA Bethlehem Landfill (IESI) during this inspection was Al Schleyer, Compliance Manager. During the time of this inspection it was sunny, 47°F, wind was calm. (www.wunderground.com)

On November 7, 2013, Susan French was onsite representing the Department. And on November 14, 2013, Susan French and Dylan Evans was onsite representing the Department.

Prior to entering the landfill for the inspection, an odor patrol was conducted along Applebutter Road, throughout Steel City and around the north side of the landfill on Riverside Drive and along Skyline Drive. During the time of this inspection this inspector observed a slight intermittent leachate odor was detected for a brief time along Riverside Drive near the hill climb in Steel City. No malodors were observed during this inspection. IESI appears to be implementing their Nuisance Minimization and Control Plan as required.

The entrance road to the facility and the access roads to the working face were clean and free of litter and debris. No windblown litter was observed in the trees within the landfills fences. No windblown litter was observed on the slopes of the landfill during the time of this inspection.

The flare was in operation at IESI during the time of this inspection and burning landfill gas at 1664 °F at a flow of 2481 scfm. .

Construction on the next area of capping has begun. The area being capped is a one acre area at the toe of the slope of Cell C. The liner is installed and topsoil is currently being applied to the area.

Cell 4A was the area accepting waste during the time of this inspection. There were no trucks dumping at the working face during the time this inspector was observing the working face. No trucks were waiting to dump during the time of this inspection. No landfill gas odors were detected during the time of this inspection.

During this site tour, this inspector observed IESI repairing a large seep on the western slope of the landfill. The slight intermittent odor detected along Riverside Drive matched the odor at the northwest corner of the landfill near this seep repair. It appears that IESI is actively managing the issue as per standard operating procedures. No malodors were detected during this inspection. IESI appears to be implementing their Nuisance Minimization and Control Plan as required.

The radiation logs for November to the date of this inspection were reviewed. There were two radiation hits since this inspector's last inspection. On 11/18/2013 and 12/19/2013, I-131 was detected at a level 1 alarm and disposed of at the landfill as per the Radiation Monitoring Action Plan. Log sheets were reviewed showing that the radiation monitors were detecting hits on known sources. Radiation monitor calibration was last conducted on 06/24/2013. Next calibration is due 06/24/2014.

Daily tonnage reports were observed for November. The weight logs appear complete. The maximum daily tonnage observed in November to the date of this inspection was logged on 11/15/2013 at 1,288.3 tons. The overweight report for the month of November logged 24 overweight trucks to the date of this inspection. Three of the trucks was over the 3% mark. A copy of the overweight trucks report for November is attached to this report.

The scale calibration was last conducted on 06/27/2013. Next calibration is due December 2013.

IESI ran an advertisement for public drop off at the landfill from July 1st through July 3rd in the Express Times.

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

COMPLAINT INVESTGATIONS

11/15/2013 at approx. 1153 hrs: An individual on Hilltop Circle Palmer Twp, Northampton County complained about landfill odors on her property that was allegedly coming from IESI. According to IESI's weather station, wind was out of the north northwest at approximately 1 mph during the time of the complaint. A copy of the weather station report is attached to this inspection report. Landfill gas was being burned at the Flare at approximately 2484 scfm at 1640°F at approximately 1153 hrs. A copy of the flare data is attached to this inspection report. The landfill gas to energy plant was not in operation during the time of this complaint. IESI was in operation during the time of the complaint and appeared to be following its Nuisance Minimization and Control Plan as required.

This concludes this inspection report.

~~11/15/2013~~ 12/05/2013

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

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

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

Person Interviewed Sent via 1st Class Mail
(Signature)

Date 12/05/2013

Inspector [Signature]
(Signature)

Date 12/05/2013

TEST Weather Station Data

Beth_2013_New 11/15/13

Date	Time	Temp Out	Hi Temp	Low Temp	Out Hum	Dew Pt.	Wind Speed	Wind Dir	Wind Run	Hi Speed	Hi Dir	Wind Chill	Heat Index	THW Index	Bar	Rain	Rain Rate	Heat D-D	Cool D-D
11/15/13	12:30a	37.4	39.7	37.3	46	18.5	1.0	S	0.50	3.0	S	37.4	36.3	36.3	30.272	0.00	0.00	0.575	0.000
11/15/13	1:00a	38.0	38.3	37.4	45	18.5	0.0	S	0.00	2.0	S	38.0	36.9	36.9	30.270	0.00	0.00	0.563	0.000
11/15/13	1:30a	36.7	38.0	36.7	48	18.8	0.0	---	0.00	0.0	---	36.7	35.7	35.7	30.273	0.00	0.00	0.590	0.000
11/15/13	2:00a	36.6	36.8	36.3	48	18.7	0.0	---	0.00	0.0	---	36.6	35.6	35.6	30.275	0.00	0.00	0.592	0.000
11/15/13	2:30a	36.4	36.9	36.2	50	19.5	0.0	S	0.00	1.0	S	36.4	35.4	35.4	30.277	0.00	0.00	0.596	0.000
11/15/13	3:00a	36.5	36.5	35.9	52	20.5	0.0	S	0.00	3.0	S	36.5	35.5	35.5	30.272	0.00	0.00	0.594	0.000
11/15/13	3:30a	35.9	36.5	35.9	53	20.4	1.0	S	0.50	4.0	S	35.9	35.0	35.0	30.278	0.00	0.00	0.606	0.000
11/15/13	4:00a	33.2	35.8	33.2	62	21.6	0.0	ENE	0.00	2.0	ENE	33.2	32.5	32.5	30.275	0.00	0.00	0.662	0.000
11/15/13	4:30a	34.4	34.4	33.2	58	21.1	1.0	S	0.50	3.0	S	34.4	33.7	33.7	30.266	0.00	0.00	0.637	0.000
11/15/13	5:00a	35.0	35.2	34.4	58	21.1	0.0	S	0.00	1.0	S	35.0	34.3	34.3	30.277	0.00	0.00	0.625	0.000
11/15/13	5:30a	33.6	35.0	33.5	61	21.6	0.0	S	0.00	3.0	S	33.6	32.9	32.9	30.281	0.00	0.00	0.654	0.000
11/15/13	6:00a	33.6	33.8	33.4	60	21.2	1.0	S	0.50	3.0	S	33.6	32.9	32.9	30.281	0.00	0.00	0.654	0.000
11/15/13	6:30a	35.4	35.4	33.6	57	21.7	0.0	S	0.00	1.0	S	35.4	34.6	34.6	30.290	0.00	0.00	0.617	0.000
11/15/13	7:00a	35.9	36.1	35.4	59	23.0	0.0	S	0.00	1.0	S	35.9	35.1	35.1	30.291	0.00	0.00	0.606	0.000
11/15/13	7:30a	35.6	36.1	35.6	60	23.1	0.0	S	0.00	1.0	S	35.6	34.8	34.8	30.297	0.00	0.00	0.613	0.000
11/15/13	8:00a	35.0	35.6	35.0	64	24.0	0.0	S	0.00	1.0	S	35.0	34.4	34.4	30.308	0.00	0.00	0.625	0.000
11/15/13	8:30a	36.4	36.4	35.0	61	24.2	0.0	S	0.00	1.0	S	36.4	35.6	35.6	30.311	0.00	0.00	0.596	0.000
11/15/13	9:00a	39.7	39.7	36.4	55	24.8	0.0	---	0.00	0.0	---	39.7	38.7	38.7	30.318	0.00	0.00	0.527	0.000
11/15/13	9:30a	42.7	42.7	39.7	47	23.8	0.0	S	0.00	2.0	S	42.7	41.5	41.5	30.324	0.00	0.00	0.465	0.000
11/15/13	10:00a	46.0	46.0	42.7	46	26.4	0.0	S	0.00	2.0	SSE	46.0	44.7	44.7	30.319	0.00	0.00	0.396	0.000
11/15/13	10:30a	48.7	48.7	46.0	37	23.6	1.0	WSW	0.50	3.0	SW	48.7	47.1	47.1	30.312	0.00	0.00	0.340	0.000
11/15/13	11:00a	49.4	49.4	48.8	38	24.8	1.0	N	0.50	4.0	NNE	49.4	47.8	47.8	30.304	0.00	0.00	0.325	0.000
11/15/13	11:30a	50.4	50.6	49.5	39	26.3	1.0	N	0.50	4.0	N	50.4	48.8	48.8	30.296	0.00	0.00	0.304	0.000
11/15/13	12:00p	52.4	52.4	50.4	38	27.5	1.0	NNW	0.50	3.0	N	52.4	50.3	50.3	30.273	0.00	0.00	0.262	0.000
11/15/13	12:30p	55.5	55.5	52.4	34	27.6	1.0	NNW	0.50	5.0	NNE	55.5	52.7	52.7	30.259	0.00	0.00	0.198	0.000
11/15/13	1:00p	55.9	56.4	55.5	25	20.5	3.0	NNE	1.50	14.0	NE	55.9	52.3	52.3	30.251	0.00	0.00	0.190	0.000
11/15/13	1:30p	56.0	56.1	55.8	27	22.4	6.0	NNE	3.00	12.0	NE	56.0	51.4	51.4	30.246	0.00	0.00	0.188	0.000
11/15/13	2:00p	56.3	56.6	56.0	25	20.9	4.0	NNE	2.00	9.0	NE	56.2	52.6	52.6	30.241	0.00	0.00	0.181	0.000
11/15/13	2:30p	57.5	57.5	56.2	27	23.7	2.0	NNW	1.00	8.0	NNE	57.5	53.9	53.9	30.224	0.00	0.00	0.156	0.000
11/15/13	3:00p	57.0	57.7	57.0	26	22.4	3.0	NNW	1.50	7.0	NNW	57.0	53.3	53.3	30.233	0.00	0.00	0.167	0.000
11/15/13	3:30p	56.5	57.0	56.4	28	23.7	1.0	NNE	0.50	6.0	NE	56.5	53.1	53.1	30.238	0.00	0.00	0.177	0.000
11/15/13	4:00p	55.3	56.5	55.3	30	24.4	2.0	N	1.00	7.0	NE	55.3	52.3	52.3	30.239	0.00	0.00	0.202	0.000
11/15/13	4:30p	53.5	55.3	53.5	33	25.1	0.0	N	0.00	2.0	N	53.5	51.0	51.0	30.241	0.00	0.00	0.240	0.000
11/15/13	5:00p	49.8	53.5	49.8	39	25.8	0.0	W	0.00	2.0	W	49.8	48.3	48.3	30.253	0.00	0.00	0.317	0.000
11/15/13	5:30p	49.0	49.8	48.9	38	24.5	1.0	SSW	0.50	3.0	SW	49.0	47.4	47.4	30.255	0.00	0.00	0.333	0.000
11/15/13	6:00p	48.1	49.4	48.1	42	26.1	0.0	SSW	0.00	2.0	SSW	48.1	46.7	46.7	30.254	0.00	0.00	0.352	0.000
11/15/13	6:30p	48.2	48.5	48.0	39	24.4	0.0	SSW	0.00	2.0	SSW	48.2	46.7	46.7	30.259	0.00	0.00	0.350	0.000
11/15/13	7:00p	47.4	48.2	47.0	41	24.9	0.0	SSW	0.00	1.0	SSW	47.4	45.9	45.9	30.259	0.00	0.00	0.367	0.000
11/15/13	7:30p	46.0	47.5	46.0	44	25.3	0.0	---	0.00	0.0	---	46.0	44.7	44.7	30.262	0.00	0.00	0.396	0.000
11/15/13	8:00p	45.7	46.0	45.7	45	25.5	0.0	---	0.00	0.0	---	45.7	44.4	44.4	30.270	0.00	0.00	0.402	0.000
11/15/13	8:30p	43.9	45.7	43.9	46	24.4	0.0	SSW	0.00	2.0	SSW	43.9	42.6	42.6	30.280	0.00	0.00	0.440	0.000
11/15/13	9:00p	42.9	43.9	42.9	49	25.0	0.0	SSW	0.00	2.0	SSW	42.9	41.8	41.8	30.276	0.00	0.00	0.460	0.000
11/15/13	9:30p	43.0	43.2	42.7	47	24.1	0.0	SSW	0.00	1.0	SSW	43.0	41.8	41.8	30.289	0.00	0.00	0.463	0.000
11/15/13	10:00p	42.8	43.1	42.8	46	23.4	0.0	SSW	0.00	2.0	SSW	42.8	41.6	41.6	30.285	0.00	0.00	0.465	0.000
11/15/13	10:30p	42.7	42.8	42.2	46	23.3	0.0	NE	0.00	2.0	S	42.7	41.5	41.5	30.290	0.00	0.00	0.465	0.000
11/15/13	11:00p	42.5	42.8	42.5	52	26.1	0.0	S	0.00	3.0	SSW	42.5	41.4	41.4	30.293	0.00	0.00	0.469	0.000
11/15/13	11:30p	42.9	43.1	42.4	52	26.5	0.0	S	0.00	3.0	S	42.9	41.8	41.8	30.305	0.00	0.00	0.460	0.000
11/16/13	12:00a	43.1	43.1	42.8	55	28.0	0.0	---	0.00	0.0	---	43.1	42.1	42.1	30.315	0.00	0.00	0.456	0.000

IESI Flare Data 11/15/13

DAQSTANDARD R9.01.01
 Data Viewer R9.01.01
 SCS Field Services Tom Lock

Device Type DX100
 Serial No. S5FB07230
 File Message Bethlehem Landfill Flare Station
 Time Correction None
 Starting Condition Auto
 Dividing Condition Auto
 Meas Ch. 2
 Math Ch. 6
 Data Count 1440
 Sampling Interval 60.000
 Start Time 2013/11/15
 Stop Time 2013/11/16
 Trigger Time 2013/11/16
 Trigger No. 1439
 Damage Check Not Damaged

Num. Of Converted Data 121
 Num. Of Converted Ch. 4
 Converted Group 1

Date	Ch. Tag Unit Time	CH02 Temp F MIN	MAX
2013/11/15	11:00:00	1627	1633
2013/11/15	11:01:00	1605	1632
2013/11/15	11:02:00	1601	1605
2013/11/15	11:03:00	1601	1636
2013/11/15	11:04:00	1636	1670
2013/11/15	11:05:00	1669	1684
2013/11/15	11:06:00	1684	1685
2013/11/15	11:07:00	1684	1704
2013/11/15	11:08:00	1704	1717
2013/11/15	11:09:00	1707	1717
2013/11/15	11:10:00	1682	1707
2013/11/15	11:11:00	1665	1683
2013/11/15	11:12:00	1654	1665
2013/11/15	11:13:00	1627	1654
2013/11/15	11:14:00	1619	1627
2013/11/15	11:15:00	1614	1621
2013/11/15	11:16:00	1618	1624
2013/11/15	11:17:00	1620	1629
2013/11/15	11:18:00	1624	1630
2013/11/15	11:19:00	1625	1631
2013/11/15	11:20:00	1625	1629
2013/11/15	11:21:00	1628	1647
2013/11/15	11:22:00	1647	1659
2013/11/15	11:23:00	1657	1666

CH36
Flow Rate
SCFM
MIN

MAX

2385	2455
2390	2459
2400	2464
2397	2463
2402	2454
2394	2452
2406	2456
2408	2453
2394	2458
2391	2458
2394	2449
2404	2452
2403	2470
2409	2455
2407	2459
2399	2459
2400	2456
2401	2452
2404	2453
2410	2449
2404	2470
2390	2457
2392	2457
2395	2457

2013/11/15	11:24:00	1664	1670
2013/11/15	11:25:00	1662	1666
2013/11/15	11:26:00	1654	1664
2013/11/15	11:27:00	1655	1659
2013/11/15	11:28:00	1655	1665
2013/11/15	11:29:00	1665	1677
2013/11/15	11:30:00	1677	1681
2013/11/15	11:31:00	1659	1679
2013/11/15	11:32:00	1646	1659
2013/11/15	11:33:00	1646	1662
2013/11/15	11:34:00	1662	1670
2013/11/15	11:35:00	1666	1669
2013/11/15	11:36:00	1650	1668
2013/11/15	11:37:00	1644	1657
2013/11/15	11:38:00	1657	1682
2013/11/15	11:39:00	1677	1682
2013/11/15	11:40:00	1657	1677
2013/11/15	11:41:00	1655	1657
2013/11/15	11:42:00	1653	1664
2013/11/15	11:43:00	1664	1679
2013/11/15	11:44:00	1670	1679
2013/11/15	11:45:00	1671	1674
2013/11/15	11:46:00	1665	1671
2013/11/15	11:47:00	1655	1666
2013/11/15	11:48:00	1644	1655
2013/11/15	11:49:00	1624	1644
2013/11/15	11:50:00	1624	1642
2013/11/15	11:51:00	1641	1649
2013/11/15	11:52:00	1639	1641
2013/11/15	11:53:00	1632	1640
2013/11/15	11:54:00	1632	1645
2013/11/15	11:55:00	1637	1646
2013/11/15	11:56:00	1623	1638
2013/11/15	11:57:00	1621	1624
2013/11/15	11:58:00	1622	1636
2013/11/15	11:59:00	1636	1645
2013/11/15	12:00:00	1636	1641
2013/11/15	12:01:00	1637	1653
2013/11/15	12:02:00	1653	1667
2013/11/15	12:03:00	1667	1675
2013/11/15	12:04:00	1674	1677
2013/11/15	12:05:00	1676	1680
2013/11/15	12:06:00	1676	1679
2013/11/15	12:07:00	1670	1677
2013/11/15	12:08:00	1671	1675
2013/11/15	12:09:00	1675	1677
2013/11/15	12:10:00	1670	1677
2013/11/15	12:11:00	1656	1670
2013/11/15	12:12:00	1653	1656
2013/11/15	12:13:00	1653	1662
2013/11/15	12:14:00	1638	1659
2013/11/15	12:15:00	1631	1644

2387	2466
2392	2456
2388	2464
2408	2458
2397	2459
2407	2468
2387	2459
2374	2473
2397	2457
2382	2468
2355	2468
2375	2454
2401	2474
2393	2461
2401	2459
2390	2454
2388	2464
2386	2464
2376	2464
2376	2487
2369	2482
2381	2484
2388	2498
2385	2516
2379	2509
2370	2468
2384	2468
2382	2500
2382	2486
2403	2484
2416	2479
2411	2474
2404	2482
2360	2466
2405	2501
2396	2469
2379	2468
2393	2514
2400	2514
2406	2487
2386	2493
2387	2494
2375	2513
2399	2513
2370	2487
2388	2498
2390	2501
2376	2514
2397	2507
2378	2507
2384	2524
2397	2534

2013/11/15	12:16:00	1644	1649
2013/11/15	12:17:00	1648	1655
2013/11/15	12:18:00	1634	1652
2013/11/15	12:19:00	1612	1634
2013/11/15	12:20:00	1614	1624
2013/11/15	12:21:00	1624	1646
2013/11/15	12:22:00	1646	1653
2013/11/15	12:23:00	1650	1654
2013/11/15	12:24:00	1654	1659
2013/11/15	12:25:00	1658	1668
2013/11/15	12:26:00	1658	1669
2013/11/15	12:27:00	1658	1663
2013/11/15	12:28:00	1663	1671
2013/11/15	12:29:00	1659	1670
2013/11/15	12:30:00	1651	1660
2013/11/15	12:31:00	1634	1651
2013/11/15	12:32:00	1618	1634
2013/11/15	12:33:00	1610	1618
2013/11/15	12:34:00	1605	1612
2013/11/15	12:35:00	1612	1644
2013/11/15	12:36:00	1644	1675
2013/11/15	12:37:00	1675	1686
2013/11/15	12:38:00	1686	1689
2013/11/15	12:39:00	1680	1686
2013/11/15	12:40:00	1677	1681
2013/11/15	12:41:00	1675	1677
2013/11/15	12:42:00	1675	1686
2013/11/15	12:43:00	1684	1687
2013/11/15	12:44:00	1681	1684
2013/11/15	12:45:00	1684	1693
2013/11/15	12:46:00	1679	1691
2013/11/15	12:47:00	1656	1679
2013/11/15	12:48:00	1631	1656
2013/11/15	12:49:00	1620	1631
2013/11/15	12:50:00	1622	1628
2013/11/15	12:51:00	1610	1629
2013/11/15	12:52:00	1590	1610
2013/11/15	12:53:00	1587	1595
2013/11/15	12:54:00	1595	1631
2013/11/15	12:55:00	1631	1660
2013/11/15	12:56:00	1659	1668
2013/11/15	12:57:00	1668	1691
2013/11/15	12:58:00	1691	1705
2013/11/15	12:59:00	1701	1709
2013/11/15	13:00:00	1708	1711

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2378	2494
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2379	2494
2373	2494
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2387	2506
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2390	2503
2385	2481
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2378	2514
2391	2494
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2389	2500
2385	2490
2359	2491
2364	2475
2364	2484
2338	2511
2381	2496
2402	2484
2389	2480
2403	2484
2400	2489
2394	2494