

## IESI Bethlehem Landfill Committee Meeting Minutes

Date: Thursday, March 15, 2018  
Time: 1:00 p.m.  
Location: Lower Saucon Township Council Meeting Room  
Attendance: Hanover Engineering: Chris Taylor; Exelon: Lane Bradley; IESI: Don Hallock, Nick Rogers, Dave Pannucci; Council Liaison: Priscilla deLeon (speaker phone); Members: Hazem Hijazi & Neil Ortwein; Staff: Leslie Huhn & Diane Palik.

Mr. Rogers reviewed the monthly tonnages for February.

	<u>December</u>	<u>January</u>	<u>February</u>
MSW	31,017.83	27,874.92	25,611.34
C&D	3,107.24	4,223.81	3,921.65
Residual (Total)	1,311.66	1,149.42	1,632.12
Asbestos	57.90	113.91	230.40
Sewage Sludge-New Category as of 02-15-18		59.53	91.06
Out of State (Total)	23,644.47 (66%)	21,661.86 (65%)	21,948.69 (67%)
Recycle	24 (79%)	8 (57%)	8 (75%)
No. Trucks	3,103	2,875	2,532

Mr. Taylor asked if the asbestos was from Martin Towers. Mr. Rogers said yes. Mr. Taylor asked if the sewage sludge was all 90/10? Mr. Rogers said yes. Mr. Rogers said there were three Form U Submittals from February 12<sup>th</sup> through March 1, 2018.

Mr. Rogers said the Groundwater Trend Analysis sampling is to be completed by EarthRes Group the week of March 19, 2018. Mr. Rogers said for Correspondence/Reports there were abatement system reports, Q4 groundwater report, and Q1 operations report-extended.

Mr. Rogers said there were two inspections on February 13<sup>th</sup> and the 20<sup>th</sup> by Jessica Wagoner, Susan French, A. Faulch and Teresa Sirnic. There were three Host Municipal inspections by Chris Taylor. Mr. Taylor said there were no violations. Mrs. deLeon said in one of the reports, Mr. Taylor mentioned about the daily cover; and asked why this happened. Mr. Hallock said that was due to the wet weather and they were pushing all the mud out of the way, which exposed trash. They did put new cover on top of it. With all the rain they had, they kept pushing it over to get the trucks through before they put rock down. It's all now been covered.

Mrs. deLeon said she received a report and it talked about lots of dry wells. Mr. Rogers said that was from 3Q17 and 4Q17 where they did have a lot of dry weather. Mrs. deLeon asked when they are going to be tested again. Mr. Rogers said next week. Mrs. deLeon said what do you do in that case as you are not getting readings. Mr. Pannucci said if there's no water there, there's no contamination and it's not an issue. Mrs. deLeon said no talks about going deeper or additional wells? Mr. Rogers said no, because the aquifer is where it is when it's dry. Mr. Hallock said they will be getting the results back soon from the 1Q18 testing, it's a quarterly monitoring. Mr. Rogers said some of the wells that were dry were shallow wells and they were able to sample the deep wells.

Mr. Rogers said there were 2,532 total trucks with 75 overweight's, 59 warnings and 16 suspensions. Mr. Taylor said what can we do about these overweight's as the numbers keep going up. Mr. Hallock said he is working with their transportation managers. A lot of these overweight's are still under the 3%. A lot of guys have gotten waterproof tarps since the last meeting, so we should see a big difference, especially with the snow and rain. Mrs. deLeon said that's a requirement now? Mr. Hallock said they are recommending that everyone get the waterproof trucks. They are working on a daily basis monitoring them. The numbers were down in late 2016 and 2017 as they were only doing 700 to 800 tons, and now they are doing anywhere from 1,200 to 1,500 a day. Mr. Taylor said the Township appreciates your efforts and anything you can do. Mr. Rogers said for the Lower Saucon Police Report, there were none for the month of February.

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Mr. Rogers said BRE has been running at full capacity in conjunction with the flare as the main GCCS. BRE and IESI continue to communicate along the SCSFS with any routine or non-routine maintenance to maximize LFG production and minimize odors between plant and flares. Mr. Lane said they are down to one compressor so the plant has to be shut down. They should be getting the second compressor back next week and then will be up 100%. The vendors are having problems getting the parts when they send these compressors out to get them rebuilt.

Mr. Rogers said the North Slope sedimentation traps are functional and the perimeter road is in good condition. Mr. Taylor said Mr. Sichler was saying information in the quarterly about the functioning of the abatement system that he wasn't seeing it in the monthly reports. Mr. Rogers said okay, and during the month the abatement wells are functioning. They are actually upgrading, so it's not that they weren't functioning, they were replacing them. Mr. Taylor said in November six of the abatement wells were having problems and were down. Mr. Rogers said that was probably during the sampling process. Going forward, they are probably going to start sampling in the second month, so if there is something that's malfunctioned; they are able to fix it with still a week left.

Mr. Rogers said the abatement system continues to operate and discharge to the Bethlehem WWTP. Intermittent malfunctions of the well pumps and controls are repaired or replaced as needed. Upgrading of controls and motors is taking place for preventative maintenance. Mr. Taylor asked what the status was for the 11 abatement wells. Mr. Rogers said all 10 are working as intended; and TW-1 is decommissioned. Mr. Taylor asked if they see any upcoming issues. Mr. Rogers said right now they are upgrading. Mr. Taylor asked if there are any monitoring points down aquifer so we can see if anything got past those. Mr. Rogers said there is a well where you come in the parking lot and some over by the BRE plant. There was no contamination found.

Mr. Rogers said the flow rates for the leachate collection continue to be monitored and reported. Intermittent malfunctions of the well pumps and controls are repaired or replaced as needed.

Mr. Rogers said there were four radioactive loads for February, which were three Iodine 131 and one Indium 111. The waste stream met Level 1 requirements and was disposed of onsite.

Mr. Rogers said for the SE Realignment construction activities, the active cell 4B and D, the construction of the MSE wall and drop off center has stopped due to inclement weather. LMC-1R is now in place and function with a new EPG pump.

Mr. Rogers said there was one complaint on February 22, 2018 where LST PD found large rocks and mud on Applebutter Road from tractor trailers leaving the facility. Mr. Hallock said they looked at the video and it was rocks from a quarry that they purchased for road base. They were making a left hand turn without going through the tire wash. That driver has been expelled from the landfill. Everything was cleaned up and swept that day.

Mr. Taylor reviewed all the primary and secondary flows at the pump stations. He doesn't see the primary flows jumping up as much as the secondary flows.

Mr. Taylor reviewed his inspection report, which will be sent to the Township.

The next mid-inspection will be April 5<sup>th</sup> and then April 19<sup>th</sup>. The committee meeting will be April 19<sup>th</sup> at 1:00 p.m. The meeting adjourned at 1:45 p.m.

**IESI Bethlehem Landfill  
LST Committee Meeting Notes  
March 15, 2018**

**Agenda Items**

**I. Waste Activities**

Monthly Tonnages

	December	January	February
MSW	31,017.83	27,874.92	25,611.34
C&D	3,107.24	4,223.81	3,921.65
Residual (total)	1,311.66	1,149.42	1,632.12
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<u>Form U Submittals</u>	<u>Waste</u>	<u>Approval Date</u>
Brandenburg	ACM(501)	2/12/2018
Sims Metal Management	Non-Halogenated Plastic(407)	2/27/2018
Pinnacle Environmental	ACM	3/1/2018

**II. Annual Groundwater Trend Analysis**

Groundwater sampling to be completed by Earth Res Group the week of March 19th.

**III. Correspondence / Reports**

Abatement System Report  
Q4 Groundwater Report  
Q1 Operations Report-extended version

**IV. Landfill Operations**

Department of Environmental Protection Inspections

2/13/18 J. Wagoner, A. Faulch, Teresa Sirnic (New SW Inspector)  
2/20/18 S. French- Engineers Meeting

Host Municipal Inspection

2/1/18 C. Taylor  
2/15/18 C. Taylor  
3/1/18 C. Taylor

Commercial Waste Vehicles

	December	January	February
Total # Trucks	3103	2875	2532
	December	January	February
Overweight	67	62	75
Warnings	57	47	59
Suspensions	10	15	16

65-TT, 1-RL, 1-RO 1-DT 61-61TT 9-DT, 66-TT

FL = front loader, RO = roll off, TT=tractor trailer RL = rear loader, DT = Triaxel Dump Truck

Lower Saucon Township Police Report:

Below is the overweight vehicle enforcement the PD conducted at IESI during the month of February 2018:

None for the month of February

Bethlehem Renewable Energy and Flare Operations and Gas Collection

BRE has been running at half capacity in conjunction with the flare as the main GCCS. BRE and IESI continue to communicate along with SCSFS with any routine or non-routine maintenance to maximize LFG production and minimize odors between plant and flare.

See times for flare and plant shutdowns

Beginning of event shutdown Flare	Date: 2/1/18	Time: 16:13	
End of event startup	Date: 2/1/18	Time: 17:03	Duration: :50min
Beginning of event shutdown Flare	Date: 2/21/18	Time: 8:55	
End of event startup	Date: 2/21/18	Time: 9:53	Duration: :58min
Beginning of event shutdown Plant	Date: 2/5/18	Time: 09:38	
End of event startup	Date: 2/5/18	Time: 10:09	Duration: :41min
Beginning of event shutdown Plant	Date: 2/9/18	Time: 07:31	
End of event startup	Date: 2/9/18	Time: 07:58	Duration: :27min
Beginning of event shutdown Plant	Date: 2/12/18	Time: 09:29	
End of event startup	Date: 2/12/18	Time: 16:31	Duration: 7:02min
Beginning of event shutdown Plant	Date: 2/5/18	Time: 09:38	
End of event startup	Date: 2/5/18	Time: 10:09	Duration: :41min
Beginning of event shutdown Plant	Date: 2/13/18	Time: 07:50	
End of event startup	Date: 2/13/18	Time: 07:58	Duration: :08min
Beginning of event shutdown Plant	Date: 2/13/18	Time: 09:37	
End of event startup	Date: 2/13/18	Time: 11:33	Duration: 1:58min
Beginning of event shutdown Plant	Date: 2/15/18	Time: 02:50	
End of event startup	Date: 2/15/18	Time: 04:28	Duration: 1:32min
Beginning of event shutdown Plant	Date: 2/15/18	Time: 16:17	

End of event startup	Date: 2/15/18	Time: 16:56	Duration: :39min
Beginning of event shutdown Plant	Date: 2/28/18	Time: 06:52	
End of event startup	Date: 2/28/18	Time: 16:51	Duration: 9:59min

Documentation is on file.

### North Slope

Sedimentation Traps functional, perimeter road is in good condition.

### Abatement System

Abatement system continues to operate and discharge to the Bethlehem WWTP. Intermittent malfunctions of the well pumps and controls are repaired or replaced as needed. Upgrading of controls and motors is taking place for preventive maintenance.

### Leachate collection

Flow rates continue to be monitored and reported. Intermittent malfunctions of the well pumps and controls are repaired or replaced as needed.

### Radiation Monitoring

There were four radioactive loads for February which 3 were Iodine 131 and one was Indium 111. These waste streams met level 1 requirement and were disposed of onsite.

### Phase IV Construction Activities

Currently the active disposal area is cell 4B,4D. Installation of 5 new horizontal collectors have been installed in cell 4-D for odor control and are being monitored.

SE Realignment Construction Activities

Construction of the MSE wall and drop off center has stopped due to in-climate weather. LMC-1 has been decommissioned and LMC-1R is now in place and functioning with a new EPG pump system.

Complaints received by IESI

2/22/2018- LSTPD found large rocks and mud on Applebutter Road from tractor trailers leaving facility.











