

## Bethlehem Landfill Committee Meeting Minutes

Date: Thursday, June 18, 2020, **Via Zoom**  
Time: 6:00 p.m.  
Location: Lower Saucon Township  
Attendance: **Hanover Engineering:** Scott Brown; **Bethlehem Landfill:** Astor Lawson & David Pannucci; **Members:** Hazem Hijazi; **Staff Members:** Leslie Huhn & Diane Palik; **Council Liaison:** Priscilla deLeon; **Absent:** Neil Ortwein. Thomas Carocci, Council member was also present.

Mr. Pannucci reviewed the monthly tonnages for May:

	<u>March</u>	<u>April</u>	<u>May</u>
MSW	23,525.30	27,660.89	24,821.94
C&D	5,013.90	4,615.32	5,583.77
Residual (Total)	2,413.10	1,415.94	3,121.91
Asbestos	0.00	0.00	0.24
Sewage Sludge (90/10)	99.10	160.57	202.99
Out of State (Total)	23,125.10 (74%)	21,694.90 (64%)	22,651.56 (67%)
Recycle	11 (91%)	13 (77%)	11 (91%)

Mr. Pannucci said they had five Form U Submittals between May 27, 2020 and June 9, 2020. Mrs. deLeon said in the past we had issues with sludge materials. Are any of these going to produce odors? Mr. Pannucci said typically sludge has odor from where it's produced at. They have Lauressa's comments and Scott has also brought it up. He talked to Astor and they feel they can handle these so it doesn't affect the neighbors. They take these pretty standardly and haven't had any issues at any of their other sites. If it has an odor to it, when they come in, they'll dig a hole for it and dump it and cover it up upon arrival. They will try to mitigate any of those odors. If they know it's going to cause an issue, they will turn it away. They are conscious of that. Mrs. deLeon said she appreciates that.

Mr. Pannucci said the second quarter sampling event was completed on May 26 – May 28, 2020. There were no correspondence reports submitted as of the last meeting.

Mr. Pannucci said regarding landfill operations DEP inspections, they haven't had any since the last meeting. They do have one next week with Solid Waste.

Mrs. Donna Louder asked what they do with the sludge when it comes in. Mr. Pannucci said the team on the working face will dig a hole or a trench that it would go into and it's loaded into that spot then covered up. Mrs. Louder said it's a lined area you are putting it in. Mr. Pannucci said yes, it's up at the working face. Mr. Lawson said it goes right where the trash is going, they bury it within the trash as they don't want it getting it on the machines and they don't want it getting in contact with the employees. Mrs. Louder said she took it as you were just burying it in a hole somewhere.

Mr. Pannucci said they had two Host Municipals Inspections with Scott Brown, on June 4, 2020 and June 18, 2020. Commercial waste vehicles for May was 2,719 total trucks; 68 overweight; 64 warnings and 4 suspensions. The May Average Flow Rate was 3,505 SCFM. There were no shutdowns throughout the month of May. Mrs. Louder said what capacity is the flare running at. Mr. Pannucci said the current capacity is 4,000 and it's running at 3,500. Mrs. Louder said what percentage of that is the flare. Mr. Pannucci said 87%. Mrs. Louder asked Mr. Brown if that was a safe zone. Mr. Brown said yes, they also have two smaller blowers they could operate if there's an issue. Mr. Pannucci said they permitted a second flare. Last year they went through the process if they feel it is going to be needed, they will start it if they get to that point. There's not a lot of sense putting up a flare and having it not operate as that's not good for the flare. It's actually not beneficial for it and will do more harm than good. Mr. Brown said the flare has been staying at this range for quite some time. Mr. Pannucci said in the summer months when it heats up and with the bugs, they will see it in the mid 3's. Mrs. Louder said the gas destruction has always been a major issue over there and she's been away from the landfill just picking up bits and pieces on reports, she's getting herself caught up. Mr. Pannucci said they are on top of it.

Bethlehem Landfill Committee Minutes  
June 18, 2020

Mr. Pannucci said the North Slope Road has not needed repairs. The swale has not needed repairs. 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.

Mr. Pannucci said flow rates continue to be monitored and reported. Intermittent malfunctions of the well pumps and controls are repaired or replaced as needed. There was one radioactive load in May (Tc-99m). This waste stream met level 1 requirements and was disposed of onsite.

Mr. Pannucci said for the SE Realignment Construction Activities, the waste operations are in SE-1B. The complaints are attached as always.

Mrs. Louder said she read a report back in January 2020 about a problem with seepages. Have you gotten that under control? Mr. Pannucci said as they pop up, they are addressed as quickly as they can. It's an ongoing effort. Mrs. Louder said that's what creates odors for the neighborhood as well. Mr. Lawson said on top of fixing the leachate seeps that were coming across, most of the times seeps are created from poor operations in the past. As far as going and fixing them, they are making sure that what they are doing is going to prevent that from the future so they are not constantly chasing those seeps. They are making sure the guys know how to finish the working face so when they are done with it a year or two from now, we won't have a seep where we are working right now. The goal is to prevent that and not always trying to chase fires, if you will.

Mrs. deLeon asked if they are in the pretty much the same area, the phases. Mr. Lawson said the areas where they have most of their seeps that they are constantly fighting are in the same spot. Mrs. deLeon asked which part of the landfill. Mr. Pannucci said typically phase 4 towards the top, the western side of the site. A lot of it had to do with guys just not being managed correctly and they were basically putting waste in the strip and not covering it, which leads to where leachate can shoot up. Mrs. deLeon said if she was standing sideways with her back to your office and looking straight up, would be the maintenance shed, where would that be in reference to her standing with her back like that. Mr. Lawson said it would be closest to Steel City. Mrs. Louder said near the hill climb. Mr. Lawson said in the front, they just fixed one there. Mr. Pannucci said above the temporary cap. Mrs. deLeon said where the ballooning was. Mr. Pannucci said he hasn't noticed any ballooning since he's been down here. Mrs. deLeon said no, that's just her focal point. Mr. Pannucci said yes, that's the temporary cap.

Mrs. Louder said the report in January with the seepages, it said it was the southeastern expansion, SE-1. Mr. Lawson said there's some down in the lower parts by the flare they found. Those are inherited and they chase them down and get them fixed. Moving forward, it's a matter of teaching the guys how to strip cover and all those things can be prevented moving forward.

Mr. Pannucci asked if anyone had anything to add. Mr. Brown said construction-wise, they are continuing along with the structural wall. Mr. Pannucci said yes, the MSE berm for the new cell construction is where they are at.

Mrs. Louder said they have a lot of truck noise from the landfill. She doesn't know why or how, but it's coming up above the hill climb. Mrs. deLeon asked what hours of the day. Mrs. Louder said during their work hours. It's just noisier than it has been in the past, so she doesn't know if you have a new route going through the landfill or whatever you have going on up there. She just wanted to bring it to your attention, more slamming of gates, that kind of situation. Mr. Brown said Laressa had mentioned that at the last meeting because they are potentially at the top and the trucks are running at the highest point of the landfill right now. Mr. Pannucci said the gate slamming is good to know as they do stockpile soil close to the low western part of the site up top, so they can definitely reach out to them and tell them we need to be more conscious of that. Mrs. Louder said she had a resident contact her and they said they were working over beyond 5:00 p.m. and she was upset about it. Mr. Pannucci said they are permitted to go to 6:00 p.m. Mrs. Louder said she thinks it was a Saturday. Mr. Pannucci said their cutoff is at 6:00 p.m. on a Saturday also.

Bethlehem Landfill Committee Minutes  
June 18, 2020

Mrs. Louder said the purchase of the tank farm, can you tell her anything about that. Mrs. deLeon said she was going to ask those questions. She's not finished with her questions yet. Mrs. Louder said we asked it together, so can you answer that please. Mr. Pannucci said are we done with the notes. Mrs. deLeon said no, she thought that we as a Committee would talk first but, okay.

Mr. Brown asked if there were any other comments. Mrs. deLeon said she'd like to bring up the odor chart. We're still getting odors. Mr. Pannucci said odor complaints past the 5/23/20? He just wanted to confirm that you or anyone else received any other complaints. Mrs. deLeon said she doesn't think she did, but if she did, she'll let you know after the meeting.

Mrs. deLeon said she'd like to talk about the purchase of the tank farm and your expansion. Mr. Lawson said as far as the property they purchased, they bought the tank farm and that property, the Genon property, about 90 acres and that's who owned it prior.

Mrs. deLeon said can you go over the new expansion you presented to the Township. Mr. Pannucci said right now, it's pretty preliminary so they are not really in a position to share many details until they get some things squared away. They have some preliminary drawings and thoughts they have in their head that they would be happy to share with anyone who would like to come to the site and sit down, but they will not say anything official until they go through the proper channels. In short, they are presenting an expansion on their footprint.

Mrs. deLeon said did you have discussions with DEP regarding this? Mr. Pannucci said preliminary discussions. They've met with them about other items and it's come up. That's as far deep as where they are. They are doing preliminary groundwork on it. Mrs. deLeon said all they know is what's in that letter. When they were doing the last expansion, the realignment, she remembers at some hearing or meeting, she asked the question why didn't you include that section of the landfill in with this latest expansion and she remembers they did give reasons. She asked Mr. Hijazi if he remembered the reasons why they didn't include it. Mr. Hijazi said he doesn't remember. Mrs. deLeon said do you know why they didn't include it. Mr. Pannucci said they weren't here so they can't speak on it.

Mrs. deLeon said when you design your prints, make sure you identify all the old sections of the landfill, Phase I, Phase 2, lined, unlined, Phase 3, Phase 4. Mr. Pannucci said everything is laid out. Mrs. deLeon said there are new people now, and we need to know where these new sections are and the history. Mr. Pannucci said they will make sure they are in compliance with the regs and all that stuff. Mrs. deLeon said how large of an area is the original old landfill. Mr. Pannucci said he honestly doesn't remember. Mrs. deLeon said there's not a liner on top. Mr. Pannucci said he's not sure. They weren't prepared to go into detail on this stuff tonight so he doesn't have those answers.

Mrs. deLeon said years ago when the City of Bethlehem was capping it they used a substance called Nature Rite and that was a disaster. She has pictures of 4' high foam coming down the Narrows, going across Riverside Drive, all going down into the RR tracks, and then into the Lehigh River. They got fined heavily for that. It had a smell that was horrendous. It was in the late 80's, early 90's.

Mr. Hijazi said he noticed the DEP was not on site this month, any idea when their next inspection is going to be. Mr. Lawson said the middle of next week.

Mrs. Louder said she would like to go back to the tank farm. The tanks are still there. She's assuming they are empty, so your intent is to basically expand in that direction. Mr. Pannucci said yes. Mrs. Louder said how are you going to handle the removal of those tanks and do you know what's in them. Mr. Lawson said they are empty and it was Diesel No. 2, fuel oil. Mr. Pannucci said there are proper processes for dismantling and handling that type of material and when that time comes, they will do that, but it's very preliminary on what their plans are with going in that direction, so they don't have the details.

Mrs. Louder said she's assuming it's already zoned for something like this. Mrs. deLeon said it's zoned RA. Mr. Lawson said 12.9 acres is zoned Industrial so they'd need to go in front of Zoning. Mr. Hijazi said above ground

Bethlehem Landfill Committee Minutes  
June 18, 2020

storage tanks are regulated by the DEP and there's a procedure for abandonment and sampling, reporting and all that stuff. He's sure the landfill will have to follow all these regulations. Mr. Pannucci said definitely. Mrs. Louder said she does understand that but she just wanted to make sure it was out there.

Mrs. Louder asked where the overweight trucks were coming from, your hub in NY? Mr. Pannucci said some do, he doesn't have it sitting in front of him, but they can follow up on it. Mr. Lawson said they come from all over the place, minimally they come from us.

Mrs. deLeon said way back when, there was a well called TW-9, which showed the highest levels of chlorobenzene ever on that site. That was on the eastern border up against the tank farm. Unfortunately, there was an incident where something happened to that well and it was no longer functionable. They had to replace it and they replaced it with TW-9A and there's a groundwater divide on your site. If you look up the history of where the old TW-9 was, it was down gradient of the groundwater divide and when they put the new one in, in her opinion, they put it on the other side of the groundwater divide. To her, that's apples and oranges, so she was never comfortable with the groundwater readings from that site because we weren't comparing apples to apples and because of the groundwater divide. She's going to be watching that and asking you to pay attention to that.

Mrs. Louder asked if they had any intentions of cleaning up the properties on Applebutter Road. It's really nasty looking. She knows the fire companies have practiced in there, but she hasn't seen anyone practicing there for a long time. Mr. Lawson said Hellertown PD was actually just in there not too long ago and he's been in talks with some of the local fire departments and he thinks there's discussions of maybe donating some land to them, so they may make that into an official training facility and then it would be cleaned up. Mrs. Louder said great idea. That would be very kind. Mr. Pannucci said they talked about it and didn't know they were training in those facilities so they allowed them to continue.

Mrs. Louder asked if there was any consideration for road work. She knows Applebutter Road is part Bethlehem, part Lower Saucon. Is anybody looking into cleaning it up or making it wider for all the trucks that are going to be traveling? That's all part of the DEP stuff, but she's just curious at this point. Mr. Pannucci said they haven't gotten to that point yet.

Mr. Lawson said the question about the overweight's, a lot of them are coming from 50<sup>th</sup> Street which are there's and then some from a couple of other customers.

Mr. Hijazi said can you tell us about the BRE facility. Mr. Pannucci said that's status quo from the last couple of meetings and still in legal proceedings. Everybody is aware they are trying to move forward, but this legal battle is hanging on. There is no activity on the BRE property from early this year, February 1<sup>st</sup>. Mr. Hijazi said the discussion with the other entity if it succeeds, they are going to have a new facility on your side. Mr. Pannucci said correct. Mr. Hijazi said what happened with BRE? Mr. Pannucci said that's part of their legal discussion and would need to be handled and put back into the original state. Mrs. deLeon said weren't they required in their site plan approvals to clean it up when the site was abandoned. Mr. Pannucci said he thinks she's right, but they are in legal discussions, which he can't talk about. Mrs. deLeon said it is public information. Mr. Pannucci said he's not a lawyer, so he tries not to say too much.

Mr. Brown asked if there were any other public comments. The meeting ended at 6:40 p.m. The next meeting is on Thursday, July 16 2020, at 1:00 p.m.

**Bethlehem Landfill Company  
LST Committee Meeting Notes May 2020  
June 18, 2020**

**Agenda Items**

**I. Waste Activities**

Monthly Tonnages

	March	April	May
MSW	23,525.30	27,660.89	24,821.94
C&D	5,013.90	4,615.32	5,583.77
Residual (Total)	2,413.10	1,415.94	3,121.91
Asbestos	0.00	0.00	0.24
Sewage Sludge	99.10	160.57	202.99
Out of state (Total)	23,125.10 (74%)	21,694.90 (64%)	22,651.56 (67%)
Recycle	11 (91%)	13 (77%)	11(91%)

<u>Form U Submittals</u>	<u>Waste</u>	<u>Approval Date</u>
CVIP, Inc.	Sandblast Abrasive (109)	6/9/20
Loch Sheldrake WWTP	WWTP Sludge (201)	6/9/20
South Fallsburg WWTP	WWTP Sludge (201)	6/9/20
Suez Water New York, Inc.	Water Treat. Plant Sludge (201)	6/2/20
Luzon Environmental	Petroleum Cont. Debris (507)	5/27/20

**II. Annual Groundwater Trend Analysis**

Second quarter sampling event was completed on 5/26/20 – 5/28/20.

**III. Correspondence / Reports**

None

**IV. Landfill Operations**

Department of Environmental Protection Inspections

None

Host Municipal Inspection

6/4/20 S. Brown  
6/18/20 S. Brown

<u>Commercial Waste Vehicles</u>	March	April	May
Total # Trucks	2,555	2,687	2,719

	March	April	May
Overweight	76	78	68
Warnings	71	62	64
Suspensions	5	16	4

March – TT=51, RL=3, RO=1, DT=21 April – TT=75, RL=1, RO=1, DT=1 May – TT=49, RL=4, DT=15

FL = front loader, RO = roll-off, TT=tractor trailer, RL = rear loader, DT = triaxial dump truck

Flare Operations and Gas Collection

**The LFG flare is the main GCCS. Bethlehem Landfill continues to communicate with SCS Field Services with any routine or non-routine maintenance to maximize LFG production and minimize odors.**

**May Average Flare Flow = 3,505 SCFM**

See times for flare shutdowns. Do not have Plant SSM forms yet

None

Documentation is on file.

North Slope Road has not needed repairs. The swale has not needed repairs.

#### 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.

#### 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 was 1 radioactive load for May (Tc-99m). This waste stream met level 1 requirements and was disposed of onsite.

#### SE Realignment Construction Activities

Waste operations are in SE-1B.

#### Complaints received by Waste Connections

See attached.

**BETHLEHEM LANDFILL**

**LEACHATE DEMAND REPORT**

**May 2020**

<u>Location</u>	<u>Total gallons</u>
LMC-6	24,995
LMC-7	26,326
LMC-8	116,446
PS-4	66,354
LMC-10	2,399,861
PS-1	193,001
PS-2	124,452
PS-3	268,028
Phase-IV	585,481

Total LMC-10 Flow = LMC-6, 7, 8, Abatement Well System, Phase I and II, SE Realignment (PS-4), and LFG condensate. Phase-IV total from PS-1, PS-2 and PS-3 and LFG condensate.

**Total Discharge**

LMC-10	2,399,861
Phase IV	<u>585,481</u>
TOTAL	2,985,342 gallons

**Total Leachate**

Leachate	234,121
Phase IV	<u>585,481</u>
TOTAL	819,602 gallons

LMC-10 Flow – Abatement System Flow = Leachate System Flow (gallons).  
Abatement System Flow = 2,165,740 gallons (Neptune Flow meters)



**BETHLEHEM LANDFILL**  
**GROUNDWATER DEMAND REPORT**  
**May 2020**

<b>Well No.</b>	<b>Water Level (avg. ft SWL*)</b>	<b>Flow (avg. GPM)</b>	<b>(Total gal)</b>
<b>AB-1R</b>	<b>73.9</b>	<b>13.7</b>	<b>648,814</b>
<b>AB-2</b>	<b>46.4</b>	<b>3.3</b>	<b>155,788</b>
<b>AB-3</b>	<b>25.1</b>	<b>0.3</b>	<b>12,566</b>
<b>AB-4</b>	<b>24.6</b>	<b>3.0</b>	<b>144,709</b>
<b>AB-5</b>	<b>41.2</b>	<b>0.7</b>	<b>32,314</b>
<b>AB-6</b>	<b>41.5</b>	<b>3.0</b>	<b>141,893</b>
<b>AB-7</b>	<b>41.2</b>	<b>2.2</b>	<b>105,136</b>
<b>AB-8</b>	<b>3.4</b>	<b>0.0</b>	<b>0</b>
<b>AB-9</b>	<b>40.9</b>	<b>3.3</b>	<b>155,525</b>
<b>AB-10</b>	<b>79.6</b>	<b>16.2</b>	<b>768,995</b>
<b>TW-1</b>	<b>54.4</b>	<b>&lt;0.1</b>	<b>0.0</b>
<b>Total Flow</b>		<b>2,165,740 gallons</b>	

\*SWL above transducer set point

\* Per DEP approval well TW-1 was shut down September 14, 2009.

	TIME (days)	LMC-6 (Primary Flows)				LMC-7 (Primary Flows)				LMC-8 (Primary Flows)			
		TOTALIZER	GALLONS	LOW (gpi)	G/A/D	TOTALIZER	GALLONS	LOW (gpi)	G/A/D	TOTALIZER	GALLONS	LOW (gpi)	G/A/D
6/5/2019	8.00	2730274	17,092	2,137	136	4434327	5651	706	58	7,826,345	12773	1,597	275
6/13/2019	8.00	2749382	19,108	2,389	152	4439837	5510	689	56	7,838,610	12265	1,533	264
6/20/2019	7.00	2751930	2,548	364	23	4444290	4453	636	52	7,849,768	11158	1,594	275
6/28/2019	8.00	2755174	3,244	406	26	4449531	5241	655	54	7,861,043	11275	1,409	243
7/1/2019	3.00	2765773	10,599	3,533	225	4451306	1775	592	48	7,864,310	3267	1,089	188
7/11/2019	10.00	2796263	30,490	3,049	194	4457119	5813	581	48	7,876,648	12338	1,234	213
7/16/2019	5.00	2812684	16,421	3,284	209	4459951	2832	566	46	7,878,992	2344	469	81
7/24/2019	8.00	2831870	19,186	2,398	153	4463593	3642	455	37	7,886,403	7411	926	160
7/30/2019	6.00	2843280	11,410	1,902	121	4467209	3616	603	49	7,896,140	9737	1,623	280
8/6/2019	7.00	2850243	6,963	995	63	4472476	5267	752	62	7,909,399	13259	1,894	327
8/15/2019	9.00	2856113	5,870	652	42	4476747	4271	475	39	7,917,866	8467	941	162
8/23/2019	8.00	7657	7,657	957	61	4486359	9612	1,202	98	7,938,076	20210	2,526	436
8/30/2019	7.00	13947	6,290	899	57	4490990	4631	662	54	7,949,696	11620	1,660	286
9/6/2019	7.00	19366	5,419	774	49	4495205	4215	602	49	7,960,462	10766	1,538	265
9/13/2019	7.00	24485	5,119	731	47	4499487	4282	612	50	7,971,110	10648	1,521	262
9/19/2019	6.00	28441	3,956	659	42	4503238	3751	625	51	7,979,832	8722	1,454	251
9/27/2019	8.00	32103	3,662	458	29	4505413	2175	272	22	7,984,431	4599	575	99
9/30/2019	3.00	35409	3,306	1,102	70	4509388	3975	1,325	109	7,995,900	11469	3,823	659
10/7/2019	7.00	35464	55	8	1	4512708	3320	474	39	8,005,007	9107	1,301	224
10/15/2019	8.00	38403	2,939	367	23	4515616	2908	364	30	8,017,447	12440	1,555	268
10/22/2019	7.00	40137	1,734	248	16	4517331	1715	245	20	8,024,712	7265	1,038	179
10/31/2019	9.00	52975	12,838	1,426	91	4519802	2471	275	23	8,050,591	25879	2,875	496
11/9/2019	9.00	53102	127	14	1	4521292	1490	166	14	8,070,360	19769	2,197	379
11/15/2019	6.00	54054	952	159	10	4522495	1203	201	16	8,087,848	17488	2,915	503
11/18/2019	3.00	54644	590	197	13	4523014	519	173	14	8,091,288	3440	1,147	198
11/26/2019	8.00	54711	67	8	1	4524071	1057	132	11	8,102,133	10845	1,356	234
12/3/2019	7.00	64374	9,663	1,380	88	4525231	1160	166	14	8,135,003	32870	4,696	810
12/13/2019	10.00	70142	5,768	577	37	4526907	1676	168	14	8,165,339	30336	3,034	523
12/18/2019	5.00	75331	5,189	1,038	66	4528047	1140	228	19	8,193,507	28168	5,634	971
12/23/2019	5.00	79449	4,118	824	52	4530718	2671	534	44	8,209,321	15814	3,163	545
12/31/2019	8.00	80508	1,059	132	8	4531027	309	39	3	8,223,899	14578	1,822	314
1/9/2020	9.00	86103	5,595	622	40	4533683	2656	295	24	8,254,367	30468	3,385	584
1/16/2020	7.00	103734	17,631	2,519	160	4535796	2113	302	25	8,272,539	18172	2,596	448
1/20/2020	4.00	105431	1,697	424	27	4537200	1404	351	29	8,283,908	11369	2,842	490
1/31/2020	11.00	113861	8,430	766	49	4540849	3649	332	27	8,313,691	29783	2,708	467
2/7/2020	7.00	117498	3,637	520	33	4543848	2999	428	35	8,332,956	19265	2,752	475
2/14/2020	7.00	121469	3,971	567	36	4552157	8309	1,187	97	8,349,090	16134	2,305	397
2/19/2020	5.00	124541	3,072	614	39	4555094	2937	587	48	8,374,124	25034	5,007	863
2/28/2020	9.00	146708	22,167	2,463	157	4566735	11641	1,293	106	8,381,062	6938	771	133
3/2/2020	3.00	148953	2,245	748	48	4571049	4314	1,438	118	8,385,856	4794	1,598	276
3/13/2020	11.00	149853	900	82	5	4593751	22702	2,064	169	8,392,624	6768	615	106
3/18/2020	5.00	157742	7,889	1,578	100	4598740	4989	998	82	8,400,322	7698	1,540	265
3/26/2020	8.00	159833	2,091	261	17	4606185	7445	931	76	8,413,432	13110	1,639	283
3/31/2020	5.00	163103	3,270	654	42	4611095	4910	982	80	8,422,401	8969	1,794	309
4/7/2020	7.00	167821	4,718	674	43	4617547	6452	922	76	8,434,428	12027	1,718	296
4/17/2020	10.00	172123	4,302	430	27	4624643	7096	710	58	8,449,402	14974	1,497	258
4/20/2020	3.00	175212	3,089	1,030	66	4628910	4267	1,422	117	8,458,653	9251	3,084	532
4/29/2020	9.00	179941	4,729	525	33	4636320	7410	823	67	8,475,463	16810	1,868	322
5/5/2020	6.00	187025	7,084	1,181	75	4641637	5317	886	73	8,487,586	12123	2,021	348
5/13/2020	8.00	192131	5,106	638	41	4648300	6663	833	68	8,503,155	15569	1,946	336
5/21/2020	8.00	195481	3,350	419	27	4650021	1721	215	18	8,514,167	11012	1,377	237
5/26/2020	5.00	199803	4,322	864	55	4658236	8215	1,643	135	8,526,988	12821	2,564	442
6/1/2020	6.00	203314	3,511	585	37	4662646	4410	735	60	8,538,275	11287	1,881	324

	A	B	C				D				E				F				J				K				L				M				Q				R				S				T			
1024		TIME	LMC-6 (Secondary Flows)												LMC-7 (Secondary Flows)												LMC-8 (Secondary Flows)																							
1025		(days)	TOTALIZER	GALLONS	FLOW (gpd)	G/A/D	TOTALIZER	GALLONS	FLOW (gpd)	G/A/D	TOTALIZER	GALLONS	FLOW (gpd)	G/A/D	TOTALIZER	GALLONS	FLOW (gpd)	G/A/D	TOTALIZER	GALLONS	FLOW (gpd)	G/A/D	TOTALIZER	GALLONS	FLOW (gpd)	G/A/D	TOTALIZER	GALLONS	FLOW (gpd)	G/A/D	TOTALIZER	GALLONS	FLOW (gpd)	G/A/D																
1097	6/5/2019	8.00	2028276	7,000	875	56	2235022	0	0	0	6,767,412	7292	912	157																																				
1098	6/13/2019	8.00	2035276	7,000	875	56	2425304	190282	23,785	1,950	6,772,651	5239	655	113																																				
1099	6/20/2019	7.00	2042276	7,000	1,000	64	2425304	0	0	0	6,779,548	6897	985	170																																				
1100	6/28/2019	8.00	2049276	7,000	875	56	2425304	0	0	0	6,785,245	5697	712	123																																				
1101	7/1/2019	3.00	2056276	7,000	2,333	149	2425304	0	0	0	6,793,111	7866	2,622	452																																				
1102	7/11/2019	10.00	2063276	7,000	700	45	2425304	0	0	0	6,799,459	6348	635	109																																				
1103	7/16/2019	5.00	2070276	7,000	1,400	89	2425304	0	0	0	6,803,208	3749	750	129																																				
1104	7/24/2019	8.00	2077276	7,000	875	56	2425304	0	0	0	6,817,235	14027	1,753	302																																				
1105	7/30/2019	6.00	2084276	7,000	1,167	74	2425304	0	0	0	6,820,923	3688	615	106																																				
1106	8/6/2019	7.00	2091276	7,000	1,000	64	2425304	0	0	0	6,824,380	3457	494	85																																				
1107	8/15/2019	9.00	2098276	7,000	778	50	2425304	0	0	0	6,826,525	2145	238	41																																				
1108	8/23/2019	8.00	3	3	0	0	2425304	0	0	0	6,827,443	918	115	20																																				
1109	8/30/2019	7.00	3	0	0	0	2425304	0	0	0	6,827,533	90	13	2																																				
1110	9/6/2019	7.00	3	0	0	0	2425304	0	0	0	6,827,533	0	0	0																																				
1111	9/13/2019	7.00	31	28	4	0	2425304	0	0	0	6,828,758	1225	175	30																																				
1112	9/19/2019	6.00	5745	5,714	952	61	2425304	0	0	0	6,829,448	690	115	20																																				
1113	9/27/2019	8.00	5746	1	0	0	2425304	0	0	0	6,835,148	5700	713	123																																				
1114	9/30/2019	3.00	5746	0	0	0	2425304	0	0	0	6,836,137	989	330	57																																				
1115	10/7/2019	7.00	7716	1,970	281	18	2425304	0	0	0	6,837,189	1052	150	26																																				
1116	10/15/2019	8.00	8015	299	37	2	2425304	0	0	0	6,839,252	2063	258	44																																				
1117	10/22/2019	7.00	8211	196	28	2	2425304	0	0	0	6,840,027	775	111	19																																				
1118	10/31/2019	9.00	8746	535	59	4	2425304	0	0	0	6,844,454	4427	492	85																																				
1119	11/9/2019	9.00	8875	129	14	1	2425304	0	0	0	6,874,132	29678	3,298	569																																				
1120	11/15/2019	6.00	9138	263	44	3	2425304	0	0	0	6,874,370	238	40	7																																				
1121	11/18/2019	3.00	9215	77	26	2	2425304	0	0	0	6,874,970	600	200	34																																				
1122	11/26/2019	8.00	9231	16	2	0	2425304	0	0	0	6,875,041	71	9	2																																				
1123	12/3/2019	7.00	9808	577	82	5	2425304	0	0	0	6,890,783	15742	2,249	388																																				
1124	12/13/2019	10.00	10183	375	38	2	2425304	0	0	0	6,932,170	41387	4,139	714																																				
1125	12/18/2019	5.00	10647	464	93	6	2425304	0	0	0	6,943,318	11148	2,230	384																																				
1126	12/23/2019	5.00	10801	154	31	2	2425304	0	0	0	6,976,378	33060	6,612	1,140																																				
1127	12/31/2019	8.00	10882	81	10	1	2425304	0	0	0	6,983,688	7310	914	158																																				
1128	1/9/2020	9.00	11523	641	71	5	2425304	0	0	0	6,984,608	920	102	18																																				
1129	1/16/2020	7.00	11870	347	50	3	2425304	0	0	0	7,018,109	33501	4,786	825																																				
1130	1/20/2020	4.00	12097	227	57	4	2425304	0	0	0	7,029,830	11721	2,930	505																																				
1131	1/31/2020	11.00	12673	576	52	3	2425304	0	0	0	7,057,279	27449	2,495	430																																				
1132	2/7/2020	7.00	13048	375	54	3	2425304	0	0	0	7,095,444	38165	5,452	940																																				
1133	2/14/2020	7.00	13425	377	54	3	2425304	0	0	0	7,095,488	44	6	1																																				
1134	2/19/2020	5.00	13741	316	63	4	2425304	0	0	0	7,103,141	7653	1,531	264																																				
1135	2/28/2020	9.00	13800	59	7	0	2425304	0	0	0	7,144,016	40875	4,542	783																																				
1136	3/2/2020	3.00	14326	526	175	11	2425304	0	0	0	7,160,691	16675	5,558	958																																				
1137	3/13/2020	11.00	14869	543	49	3	2425304	0	0	0	7,160,717	26	2	0																																				
1138	3/18/2020	5.00	15031	162	32	2	2425304	0	0	0	7,188,922	28205	5,641	973																																				
1139	3/26/2020	8.00	15529	498	62	4	2425304	0	0	0	7,229,561	40639	5,080	876																																				
1140	3/31/2020	5.00	15777	248	50	3	2425304	0	0	0	7,235,492	5931	1,186	205																																				
1141	4/7/2020	7.00	16112	335	48	3	2425304	0	0	0	7,271,027	35535	5,076	875																																				
1142	4/17/2020	10.00	16505	393	39	3	2425304	0	0	0	7,272,544	1517	152	26																																				
1143	4/20/2020	3.00	16760	255	85	5	2425304	0	0	0	7,305,255	32711	10,904	1,880																																				
1144	4/29/2020	9.00	17203	443	49	3	2425304	0	0	0	7,325,578	20323	2,258	389																																				
1145	5/5/2020	6.00	17503	300	50	3	2425304	0	0	0	7,325,591	13	2	0																																				
1146	5/13/2020	8.00	17888	385	48	3	2425304	0	0	0	7,365,096	39505	4,938	851																																				
1147	5/21/2020	8.00	18002	114	14	1	2425304	0	0	0	7,365,301	205	26	4																																				
1148	5/26/2020	5.00	18519	517	103	7	2425304	0	0	0	7,365,606	305	61	11																																				
1149	6/1/2020	6.00	18825	306	51	3	2425304	0	0	0	7,379,212	13606	2,268	391																																				

**IESI BETHLEHEM LANDFILL**

	A	B	C	D	E	F	H	I	J	K	M	N	O
866		<b>TIME</b>	<b>Phase IV PS-1 (Secondary Flows)</b>				<b>Phase IV PS-1 (Primary flow)</b>						<b>sump</b>
867		<b>(days)</b>	<b>TOTALIZER</b>	<b>GALLONS</b>	<b>FLOW (gpd)</b>	<b>g/ac/day</b>			<b>Totalizer</b>	<b>gallons</b>	<b>flow(gpd)</b>	<b>g/ac/day</b>	<b>inches</b>
939	6/5/2019	8	446716	4664	583	22			57932871	50305	6288	242	23.2"
940	6/13/2019	8	451455	4739	592	23			57980063	47192	5899	227	19.8"
941	6/20/2019	7	457388	5933	848	33			58021627	41564	5938	228	21.7"
942	6/28/2019	8	462243	4855	607	23			58063965	42338	5292	204	21.0"
943	7/1/2019	3	465426	3183	1061	41			58087271	23306	7769	299	21.5"
944	7/11/2019	10	474667	9241	924	36			58146872	59601	5960	229	24.0"
945	7/16/2019	5	477526	2859	572	22			58189011	42139	8428	324	21.6"
946	7/24/2019	8	482019	4493	562	22			58251418	62407	7801	300	22.4"
947	7/30/2019	6	485154	3135	523	20			58306461	55043	9174	353	18.9"
948	8/6/2019	7	490422	5268	753	29			58367307	60846	8692	334	13.6"
949	8/15/2019	9	495099	4677	520	20			58422434	55127	6125	236	16.7"
950	8/23/2019	8	499871	4772	597	23			58488300	65866	8233	317	23.3"
951	8/30/2019	7	501925	2054	293	11			58526759	38459	5494	211	23.9"
952	9/6/2019	7	505437	3512	502	19			58566769	40010	5716	220	15.7"
953	9/13/2019	7	508667	3230	461	18			58602412	35643	5092	196	21.5"
954	9/19/2019	6	511026	2359	393	15			58635982	33570	5595	215	14.7"
955	9/27/2019	8	511838	812	102	4			58671134	35152	4394	169	20.1"
956	9/30/2019	3	511838	0	0	0			58696611	25477	8492	327	19.5"
957	10/7/2019	7	511838	0	0	0			58733041	36430	5204	200	19.5"
958	10/15/2019	8	519849	8011	1001	39			58775510	42469	5309	204	8.7"
959	10/22/2019	7	520043	194	28	1			58829110	53600	7657	295	8.1"
960	10/31/2019	9	521277	1234	137	5			58844747	15637	1737	67	8.5"
961	11/9/2019	9	521678	401	45	2			58883755	39008	4334	167	22.1"
962	11/15/2019	6	521678	0	0	0			58915415	31660	5277	203	8.5"
963	11/18/2019	3	521678	0	0	0			58925455	10040	3347	129	21.8"
964	11/26/2019	8	521678	0	0	0			58930245	4790	599	23	21.3"
965	12/3/2019	7	521678	0	0	0			58996053	65808	9401	362	18.3"
966	12/13/2019	10	521678	0	0	0			59034888	38835	3884	149	17.8"
967	12/18/2019	5	521678	0	0	0			59067543	32655	6531	251	18.1"
968	12/23/2019	5	521678	0	0	0			59097424	29881	5976	230	17.9"
969	1/9/2020	17	521678	0	0	0			59392717	295293	17370	668	21.7"
970	1/16/2020	7	521718	40	6	0			60772939	92494	13213	508	24.0"
971	1/20/2020	4	521792	74	19	1			60791604	18665	4666	179	21.9"
972	1/31/2020	11	522081	289	26	1			60839281	47677	4334	167	23.8"
973	2/7/2020	7	522343	262	37	1			60874300	35019	5003	192	18.1"
974	2/14/2020	7	522536	193	28	1			60910938	36638	5234	201	3.8"
975	2/19/2020	5	522547	11	2	0			60938943	28005	5601	215	3.9"
976	2/28/2020	9	522856	309	34	1			60977622	38679	4298	165	23.6"
977	3/2/2020	3	522916	60	20	1			60994698	17076	5692	219	16.4"
978	3/13/2020	11	523250	334	30	1			61049425	54727	4975	191	23.4"
979	3/18/2020	5	523352	102	20	1			61076976	27551	5510	212	21.5"
980	3/26/2020	8	523384	32	4	0			61206109	129133	16142	621	22.3"
981	3/31/2020	5	523567	183	37	1			61308672	102563	20513	789	15.9"
982	4/7/2020	7	523618	51	7	0			61359705	51033	7290	280	13.0"
983	4/17/2020	10	523671	53	5	0			61476748	117043	11704	450	16.4"
984	4/20/2020	3	523700	29	10	0			61504362	27614	9205	354	21.5"
985	4/29/2020	9	523720	20	2	0			61559365	55003	6111	235	18.9"
986	5/5/2020	6	523755	35	6	0			61595079	35714	5952	229	13.4"
987	5/13/2020	8	523844	89	11	0			61641720	46641	5830	224	12.1"
988	5/21/2020	8	523998	154	19	1			61661891	20171	2521	97	20.1"
989	5/26/2020	5	524039	41	8	0			61720812	58921	11784	453	18.9"
990	6/1/2020	6	524118	79	13	1			61751968	31156	5193	200	19.3"

**IESI BETHLEHEM LANDFILL**

	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC
866	Phase IV PS-2 (Secondary Flows)					Phase IV PS-2 (Primary )							sump
867	TIME	TOTALIZER	GALLONS	FLOW (gpd)	g/ac/day			Totalizer	gallons	flow(gpd)	g/ac/day	inches	
939	6/5/2019	8	7161	23	3	0.3		21168712	-410523	-51315	-4841	3.7"	
940	6/13/2019	8	7161	0	0	0.0		21193657	24945	3118	294	4.7"	
941	6/20/2019	7	7161	0	0	0.0		21203611	9954	1422	134	5.9"	
942	6/28/2019	8	7161	0	0	0.0		21209278	5667	708	67	6.5"	
943	7/1/2019	3	7161	0	0	0.0		21244305	35027	11676	1101	6.5"	
944	7/11/2019	10	7161	0	0	0.0		21272410	28105	2811	265	7.2"	
945	7/16/2019	5	7161	0	0	0.0		21291982	19572	3914	369	7.1"	
946	7/24/2019	8	7161	0	0	0.0		21313201	21219	2652	250	7.1"	
947	7/30/2019	6	7161	0	0	0.0		21325920	12719	2120	200	7.2"	
948	8/6/2019	7	7161	0	0	0.0		21332564	6644	949	90	7.3"	
949	8/15/2019	9	7161	0	0	0.0		21343052	10488	1165	110	3.4"	
950	8/23/2019	8	7161	0	0	0.0		21460217	117165	14646	1382	3.6"	
951	8/30/2019	7	7210	49	7	0.7		21498716	38499	5500	519	2.5"	
952	9/6/2019	7	7210	0	0	0.0		21531663	32947	4707	444	2.5"	
953	9/13/2019	7	7210	0	0	0.0		21563949	32286	4612	435	2.5"	
954	9/19/2019	6	7210	0	0	0.0		21591096	27147	4525	427	2.5"	
955	9/27/2019	8	7210	0	0	0.0		21597081	5985	748	71	2.4"	
956	9/30/2019	3	7210	0	0	0.0		21642027	44946	14982	1413	2.5"	
957	10/7/2019	7	7210	0	0	0.0		21673491	31464	4495	424	2.6"	
958	10/15/2019	8	7210	0	0	0.0		21703033	29542	3693	348	2.5"	
959	10/22/2019	7	7210	0	0	0.0		21763421	60388	8627	814	3.1"	
960	10/31/2019	9	7210	0	0	0.0		21773029	9608	1068	101	3.1"	
961	11/9/2019	9	7210	0	0	0.0		21816870	43841	4871	460	3.3"	
962	11/15/2019	6	7210	0	0	0.0		21841826	24956	4159	392	3.2"	
963	11/18/2019	3	7210	0	0	0.0		21854481	12655	4218	398	3.1"	
964	11/26/2019	8	7210	0	0	0.0		21860041	5560	695	66	2.9"	
965	12/3/2019	7	7263	53	8	0.7		21907112	47071	6724	634	3.6"	
966	12/13/2019	10	7263	0	0	0.0		21948045	40933	4093	386	4.0"	
967	12/18/2019	5	7263	0	0	0.0		21979040	30995	6199	585	3.9"	
968	12/23/2019	5	7263	0	0	0.0		21988606	9566	1913	180	4.0"	
969	1/9/2020	17	7263	0	0	0.0		22073720	85114	5007	472	4.1"	
970	1/16/2020	7	7263	0	0	0.0		22101039	27319	3903	368	4.0"	
971	1/20/2020	4	7263	0	0	0.0		22117251	16212	4053	382	4.1"	
972	1/31/2020	11	7263	0	0	0.0		22159215	41964	3815	360	4.5"	
973	2/7/2020	7	7263	0	0	0.0		22189631	30416	4345	410	4.5"	
974	2/14/2020	7	7263	0	0	0.0		22223467	33836	4834	456	5.6"	
975	2/19/2020	5	7263	0	0	0.0		22227486	4019	804	76	5.3"	
976	2/28/2020	9	7263	0	0	0.0		22318120	90634	10070	950	5.3"	
977	3/2/2020	3	7263	0	0	0.0		22355010	36890	12297	1160	5.2"	
978	3/13/2020	11	7263	0	0	0.0		22383929	28919	2629	248	4.7"	
979	3/18/2020	5	7263	0	0	0.0		22403059	19130	3826	361	4.4"	
980	3/26/2020	8	7263	0	0	0.0		22431833	28774	3597	339	4.8"	
981	3/31/2020	5	7263	0	0	0.0		22451677	19844	3969	374	5.1"	
982	4/7/2020	7	7263	0	0	0.0		22480883	29206	4172	394	5.1"	
983	4/17/2020	10	7263	0	0	0.0		22511958	31075	3108	293	5.1"	
984	4/20/2020	3	7263	0	0	0.0		22532039	20081	6694	631	5.3"	
985	4/29/2020	9	7263	0	0	0.0		22565254	33215	3691	348	5.4"	
986	5/5/2020	6	7263	0	0	0.0		22590101	24847	4141	391	5.5"	
987	5/13/2020	8	7263	0	0	0.0		22623030	32929	4116	388	5.4"	
988	5/21/2020	8	7263	0	0	0.0		22643012	19982	2498	236	5.0"	
989	5/26/2020	5	7263	0	0	0.0		22670532	27520	5504	519	5.1"	
990	6/1/2020	6	7263	0	0	0.0		22689706	19174	3196	301	5.0"	

**IESI BETHLEHEM LANDFILL**

	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ
866	Phase IV PS-3 (Secondary)						Phase IV PS-3 (Primary)						sump
867	Date	days	totalizer	gallon	flow(gpd)	g/ac/day		totalizer	gallons	flow(gpd)	g/ac/day	inches	
939	6/5/2019	8	43736	14	2	0		11058072	45943	5743	1384	15.5"	
940	6/13/2019	8	43736	0	0	0		11091919	33847	4231	1019	20.2"	
941	6/20/2019	7	43736	0	0	0		11117289	25370	3624	873	25.7"	
942	6/28/2019	8	43736	0	0	0		11143077	25788	3224	777	23.1"	
943	7/1/2019	3	43736	0	0	0		11178444	35367	11789	2841	23.4"	
944	7/11/2019	10	43736	0	0	0		11235487	57043	5704	1375	16.4"	
945	7/16/2019	5	43736	0	0	0		11252551	17064	3413	822	20.6"	
946	7/24/2019	8	43736	0	0	0		11328050	75499	9437	2274	27.3"	
947	7/30/2019	6	43736	0	0	0		11379440	51390	8565	2064	16.6"	
948	8/6/2019	7	43736	0	0	0		11424479	45039	6434	1550	25.7"	
949	8/15/2019	9	43736	0	0	0		11443070	18591	2066	498	16.6"	
950	8/23/2019	8	43736	0	0	0		11490596	47526	5941	1432	26.2"	
951	8/30/2019	7	43750	14	2	0		11513300	22704	3243	782	16.4"	
952	9/6/2019	7	43758	8	1	0		11534203	20903	2986	720	15.8"	
953	9/13/2019	7	43758	0	0	0		11556100	21897	3128	754	15.1"	
954	9/19/2019	6	43758	0	0	0		11576313	20213	3369	812	18.9"	
955	9/27/2019	8	43758	0	0	0		11599711	23398	2925	705	21.2"	
956	9/30/2019	3	43758	0	0	0		11611153	11442	3814	919	22.5"	
957	10/7/2019	7	43997	239	34	3		11630409	19256	2751	663	25.9"	
958	10/15/2019	8	43997	0	0	0		11652565	22156	2770	667	24.5"	
959	10/22/2019	7	43997	0	0	0		11693441	40876	5839	1407	22.1"	
960	10/31/2019	9	43997	0	0	0		11714501	21060	2340	564	21.0"	
961	11/9/2019	9	43997	0	0	0		11787041	72540	8060	1942	17.9"	
962	11/15/2019	6	43997	0	0	0		11832455	45414	7569	1824	23.2"	
963	11/18/2019	3	43999	2	1	0		11884455	52000	17333	4177	21.3"	
964	11/26/2019	8	44050	51	6	1		11891022	6567	821	198	21.4"	
965	12/3/2019	7	44835	785	112	11		11921991	30969	4424	1066	27.2"	
966	12/13/2019	10	44835	0	0	0		11988929	66938	6694	1613	21.3"	
967	12/18/2019	5	44836	1	0	0		12019804	30875	6175	1488	21.1"	
968	12/23/2019	5	44836	0	0	0		12027360	7556	1511	364	21.3"	
969	1/9/2020	17	44836	0	0	0		12254762	227402	13377	3223	15.5"	
970	1/16/2020	7	44842	6	1	0		12294996	40234	5748	1385	21.5"	
971	1/20/2020	4	44842	0	0	0		12320670	25674	6419	1547	18.1"	
972	1/30/2020	10	44842	0	0	0		12373955	53285	5329	1284	21.2"	
973	2/7/2020	8	44842	0	0	0		12386988	13033	1629	393	18.1"	
974	2/14/2020	7	44842	0	0	0		12401058	14070	2010	484	27.4"	
975	2/19/2020	5	44842	0	0	0		12407059	6001	1200	289	27.1"	
976	2/28/2020	9	44842	0	0	0		12480224	73165	8129	1959	23.0"	
977	3/2/2020	3	44842	0	0	0		12500429	20205	6735	1623	23.0"	
978	3/13/2020	11	44842	0	0	0		12578488	78059	7096	1710	25.1"	
979	3/18/2020	5	44842	0	0	0		12613564	35076	7015	1690	27.4"	
980	3/26/2020	8	44863	21	3	0		12665856	52292	6537	1575	25.4"	
981	3/31/2020	5	44863	0	0	0		12700297	34441	6888	1660	23.2"	
982	4/7/2020	7	44863	0	0	0		12753137	52840	7549	1819	16.4"	
983	4/17/2020	10	44863	0	0	0		12817553	64416	6442	1552	24.2"	
984	4/20/2020	3	44863	0	0	0		12859101	41548	13849	3337	20.4"	
985	4/29/2020	9	44863	0	0	0		12920054	60953	6773	1632	25.9"	
986	5/5/2020	6	44863	0	0	0		12978826	58772	9795	2360	17.2"	
987	5/13/2020	8	44863	0	0	0		13061671	82845	10356	2495	23.8"	
988	5/21/2020	8	44863	0	0	0		13088892	27221	3403	820	21.3"	
989	5/26/2020	5	44863	0	0	0		13157932	69040	13808	3327	21.1"	
990	6/1/2020	6	44863	0	0	0		13188082	30150	5025	1211	20.4"	

**IESI BETHLEHEM LANDFILL**

	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BB	BC	BD
865	Phase IV PS-4 (Secondary)												
866	Date	days	totalizer	gallon	flow(gpd)	g/ac/day	Phase IV PS-4 (Primary)						sump
867									totalizer	gallons	flow(gpd)	g/ac/day	inches
939	6/5/2019	8	5867	842	105	10			3609010	69292	8662	2087	16.4"
940	6/13/2019	8	5867	0	0	0			3631923	22913	2864	690	23.3"
941	6/20/2019	7	5867	0	0	0			3713591	81668	11667	2811	20.4"
942	6/28/2019	8	5867	0	0	0			3759324	45733	5717	1378	18.0"
943	7/1/2019	3	7204	1337	446	42			3767723	8399	2800	675	17.0"
944	7/11/2019	10	8125	921	92	9			4498897	731174	73117	17619	26.1"
945	7/16/2019	5	8592	467	93	9			4923581	424684	84937	20467	18.4"
946	7/24/2019	8	8592	0	0	0			5664842	741261	92658	22327	30"
947	7/30/2019	6	9032	440	73	7			5733986	69144	11524	2777	22"
948	8/6/2019	7	9032	0	0	0			5754642	20656	2951	711	24.3"
949	8/15/2019	9	9032	0	0	0			5765687	11045	1227	296	24.4"
950	8/23/2019	8	9032	0	0	0			6038789	273102	34138	8226	28.1"
951	8/30/2019	7	9116	84	12	1			6134265	95476	13639	3287	20.6"
952	9/6/2019	7	9189	73	10	1			6147998	13733	1962	473	22.1"
953	9/13/2019	7	9191	2	0	0			6159500	11502	1643	396	29.2"
954	9/19/2019	6	9191	0	0	0			6168665	9165	1528	368	24.6"
955	9/27/2019	8	9191	0	0	0			6171665	3000	375	90	29.7"
956	9/30/2019	3	9191	0	0	0			6182314	10649	3550	855	30.8"
957	10/7/2019	7	9191	0	0	0			6196175	13861	1980	477	25.5"
958	10/15/2019	8	9191	0	0	0			6226108	29933	3742	902	28.5"
959	10/22/2019	7	9394	203	29	3			6246068	19960	2851	687	22.3"
960	10/31/2019	9	9618	224	25	2			6260571	14503	1611	388	21.3"
961	11/9/2019	9	9619	1	0	0			6294895	34324	3814	919	28"
962	11/15/2019	6	9619	0	0	0			6303289	8394	1399	337	16.4"
963	11/18/2019	3	9619	0	0	0			6307164	3875	1292	311	17.8"
964	11/26/2019	8	9619	0	0	0			6316287	9123	1140	275	21.1"
965	12/3/2019	7	9683	64	9	1			6339235	22948	3278	790	29.3"
966	12/13/2019	10	10,108	425	43	4			6388537	49302	4930	1188	29.4"
967	12/18/2019	5	10546	438	88	8			6423205	34668	6934	1671	28.7"
968	12/23/2019	5	10546	0	0	0			6434183	10978	2196	529	28.1"
969	1/9/2020	17	10546	0	0	0			6518668	84485	4970	1198	28.0"
970	1/16/2020	7	10623	77	11	1			6534974	16306	2329	561	28.6"
971	1/20/2020	4	10665	42	11	1			6544237	9263	2316	558	27.1"
972	1/31/2020	11	10733	68	6	1			6579233	34996	3181	767	14.5"
973	2/7/2020	7	11209	476	68	6			6595381	16148	2307	556	30.7"
974	2/14/2020	7	11233	24	3	0			6640266	44885	6412	1545	20.5"
975	2/19/2020	5	11233	0	0	0			6648284	8018	1604	386	22.1"
976	2/28/2020	9	11298	65	7	1			6683501	35217	3913	943	17.3"
977	3/2/2020	3	11298	0	0	0			6688138	4637	1546	372	29.5"
978	3/13/2020	11	11299	1	0	0			6711572	23434	2130	513	14.0"
979	3/18/2020	5	11299	0	0	0			6718305	6733	1347	324	25.2"
980	3/26/2020	8	11299	0	0	0			6739269	20964	2621	631	15.7"
981	3/31/2020	5	11679	380	76	7			6753055	13786	2757	664	30.8"
982	4/7/2020	7	11730	51	7	1			6769035	15980	2283	550	23.0"
983	4/17/2020	10	11730	0	0	0			6790083	21048	2105	507	28.7"
984	4/20/2020	3	11730	0	0	0			6803901	13818	4606	1110	13.2"
985	4/29/2020	9	11730	0	0	0			6822395	18494	2055	495	27.0"
986	5/5/2020	6	11730	0	0	0			6840574	18179	3030	730	30.8"
987	5/13/2020	8	11730	0	0	0			6865709	25135	3142	757	25.8"
988	5/21/2020	8	11730	0	0	0			6870318	4609	576	139	26.4"
989	5/26/2020	5	11730	0	0	0			6879605	9287	1857	448	28.4"
990	6/1/2020	6	11803	73	12	1			6888676	9071	1512	364	25.0"

## Bethlehem Landfill ODOR COMPLAINT LOG (2335 Applebutter Rd, Bethlehem, PA 18017)

Date	Time	Address	Distance from Landfill (miles)	Weather Data (Bethlehem Station DPS)			Residence / Drive-by	Description / Notes	Gas Management Data			Date of Initial Response	Addressed in Insp Report Dated
				Skies	Temperature	Wind (out of)			Flare (scfm)	BRE (scfm)	Total (scfm)		
01/07/20	8:53	Saucon Ave, Steel City	0.893	Partly Cloudy	34.8	E	Residence	Landfill gas odor detected on property	2900	0	2900	1/9/2020	1/9/20 (WM)
01/07/20	10:52	Johnston Ave., Steel City	1.170	Partly Cloudy	38.6	E	Residence	Slight gas odor that is intermittent	2925	0	2925	1/9/2020	1/9/20 (WM)
01/14/20	9:30	Johnston Ave., Steel City	1.170	Overcast	36.3	W	Residence	Slight gas odor at ~9:30 AM - 10:55 AM on property	2995	0	2995	1/31/2020	4/24/20 (WM)
01/23/20	8:23	Saucon Ave, Steel City	0.883	Partly Cloudy	22.8	E	Residence	Went to let dog out & when opened door can smell landfill gas. It is strong now, but complainant is on their way out.	2901	0	2901	1/31/2020	4/24/20 (WM)
01/23/20	9:01	Johnston Ave., Steel City	1.170	Partly Cloudy	24.2	NW	Residence	Gas odor on property, noticed when went outside to start car. Complainant is on their way out.	2898	0	2898	1/31/2020	4/24/20 (WM)
01/24/20	18:09	Johnston Ave., Steel City	1.170	Partly Cloudy	46.0	WNW	Residence	Landfill gas odor, has been going on for 2 hours.	2930	0	2930	1/31/2020	4/24/20 (WM)
01/30/20	17:59	Jefferson Ave, Steel City	0.839	Clear	27.6	SSW	Residence	The landfill gas is horrible on property.	2920	0	2920	1/31/2020	4/24/20 (WM)
01/30/20	18:10	Johnston Ave., Steel City	1.170	Scattered Clouds	27.9	SSW	Residence	The odor of landfill gas is very strong on property	2940	0	2940	1/31/2020	4/24/20 (WM)
01/30/20	18:18	Saucon Ave, Steel City	0.883	Scattered Clouds	27.9	SSW	Residence	Landfill odors on property for the past 5 min.	2941	0	2941	1/31/2020	4/24/20 (WM)
01/30/20	18:19	Mixsell Ave, Steel City	0.796	Scattered Clouds	27.9	SSW	Residence	Landfill gas smell is very strong for the last couple of hours on property	2941	0	2941	1/31/2020	4/24/20 (WM)
01/31/20	14:12	Johnston Ave., Steel City	1.170	Mostly Cloudy	39.5	NW	Residence	There is a slight landfill gas odor again today on property	3018	0	3018	2/5/2020	4/24/20 (WM)
02/05/20	20:20	Saucon Ave, Steel City	0.893	Partly Cloudy	35.8	SSW	Residence	There is a terrible landfill odor tonight that can be detected on their property.	2952	0	2952	2/6/2020	4/24/20 (WM)
03/03/20	13:28	Johnston Ave., Steel City	1.170	Cloudy	41.2	SW	Residence	Detected a gas odor on property from the landfill	2890	0	2890	3/5/2020	4/24/20 (WM)
03/05/20	7:17	Johnston Ave., Steel City	0.980	Cloudy	43.2	NW	Residence	Smelled a garbage/gas odor on property	2879	0	2879	3/5/2020	4/24/20 (WM)
03/24/20	18:58	Saucon Ave, Steel City	0.883	Partly Cloudy	45.3	SSW	Residence	Horrible landfill gas odor on property	2903	0	2903	4/24/2020	4/24/20 (WM)
04/29/20	16:34	Johnston Ave., Steel City	1.170	Mostly Clear	53.1	SSW	Residence	Landfill gas odor at home. Has been going on for 5 hours.	3490	0	3490	5/13/2020	
05/06/20	12:29	Johnston Ave., Steel City	1.170	Cloudy	48.4	WNW	Residence	Strong landfill gas odor on property	3389	0	3389	5/13/2020	
05/18/20	14:51	Jefferson Ave, Steel City	0.839	Cloudy	65.1	SW	Residence	Strong gas odor on property	3450	0	3450		
05/20/20	19:04	Johnston Ave., Steel City	1.170	Mostly Sunny	49.9	SW	Residence	Can smell landfill gas on property	3517	0	3517	5/27/2020	
05/23/20	20:09	Johnston Ave., Steel City	1.170	Cloudy	58.1	WNW	Residence	The landfill gas smell is very strong and the wind is blowing it their way.	3530	0	3530	5/27/2020	