

Bethlehem Landfill Committee Meeting Minutes

Date: Thursday, March 21, 2019
Time: 1:00 p.m.
Location: Lower Saucon Township Council Meeting Room
Attendance: **Hanover Engineering:** Chris Taylor; **Bethlehem Landfill:** Dave Pannucci; **Exelon:** Ken Minton; **Staff:** Leslie Huhn & Diane Palik; **Members:** Neil Ortwein & Hazem Hijazi. Absent: Priscilla deLeon

Mr. Pannucci reviewed the monthly tonnages for February:

	<u>December</u>	<u>January</u>	<u>February</u>
MSW	25,046.21	25,878.48	23,887.16
C&D	1,727.78	1,844.80	1,830.91
Residual (Total)	3,022.87	2,084.66	4,883.87
Asbestos	145.01	375.23	0.00
Sewage Sludge (90/10)	99.00	90.92	73.65
Out of State (Total)	16,232.76 (65%)	19,777.74 (65%)	18,969.23 (62%)
Recycle	12 (75%)	11 (82%)	5 (83%)

Mr. Pannucci said there were two Form U Submittal reports from Reeb Millwork Co. and Earth Efficient on February 27 and March 12, 2019.

The first quarter sampling event was conducted on February 25th through the 27th by Earth Res Group. The 4Q18 Facility Report was handed in to the Township today. Mr. Taylor said you are going back a little on your acceptance rates, probably 1100 on average. Mr. Pannucci said correct, tons per day. The cells are close together, you have x amount of space and have to figure it out as you go. They will keep an eye on it and adjust accordingly.

Mr. Pannucci said landfill operations, there is one DEP inspection scheduled for March 27th with Susan French and M. Glogowski. There were two Host Municipal Inspections by Chris Taylor on March 7th and 21st. Mr. Taylor said Amy Faulch was there in November, December and January, have you seen her since then? Mr. Pannucci said he thinks she was there in February. Mr. Taylor said we received a report of that with no violations. He says it's toward the end of the month, so she might make it by the end of March.

Mr. Pannucci said for Commercial Waste Vehicles for February, there were 2,394 total number of trucks, 79 overweight, 68 warnings and 11 suspensions. Mr. Taylor said thanks for their efforts to make sure the trucks load out underweight. Mr. Pannucci said they had 32 dump trucks in February and 32 in March. With his meeting with DEP, a lot of these trucks are coming out of NJ are registering at 80,000 lbs. and apparently IESI is supposed to accept that. It's 73,280 lbs. in PA and 80,000 lbs. in NJ. We may be stricter than we need to be for some of those dump trucks. We are going back and forth about that right now. This is the guidance they are giving us right now. There was a Police Officer who left a guy go the other day as the registration said 80,000 lbs. The landfill was going by the PA regs when they come in. They were holding off because of a liability standpoint and not sending them back out on the road, but the registration says 80,000 so they left them in.

Mr. Pannucci said BRE is shut down for the foreseeable future. The LFG flare is the main GCCS. Bethlehem Landfill continues to continue to communicate with SCS Field Services with any routine or non-routine maintenance to maximize LFG production and minimize odors between plant and flare. February average flare flow was 2,711 SCFM. Mr. Minton said Exelon is still moving forward with decommissioning the plant as of June 1, 2019. Based on the lead time and cost of the expansion joint that they had the rupture in, they don't intend on bringing the plant back on at this time. They have a meeting scheduled with Waste Connections next week to discuss the process moving forward for decommissioning and will know more after that meeting. Mr. Taylor said you aren't out there taking things apart? Mr. Minton said based on the retirement date, they cannot do anything to start removing equipment; they have to actually wait until June 1st just in case there was some kind of emergency. They are in a forced outage right now, which means they are still available in an emergency situation. After June 1st, most of the plant will get worked out between Waste Connections and Exelon. There are many options out there, so they won't know until they go through the entire process. Tuesday will be the first formal sit down to decide where everyone is going. Mr. Taylor said gas royalties are owed to the Township. Mr. Minton said he will

pay the royalties to Waste Connections and in turn, they pay the Township. He just received his job offer and will be with the project until June 1st, and then he will go to their Philadelphia division. Mr. Taylor said they don't want an abandoned facility setting there, they want it cleaned up. Mr. Minton said absolutely. Exelon's obligation is to take it back to the concrete pad, per contact and per Exelon. They never would leave the facility with the tanks full.

Mr. Pannucci said the North Slope Road and swale are in order. Sedimentation traps and ponds need to be cleaned out. 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. Control Systems 21 is scheduled for April for maintenance on the transducers.

Mr. Pannucci said the flow rates continue to be monitored and reported. Intermittent malfunctions of the well pumps and controls are repaired or replaced as needed. Scheduling for the cleaning out of LMC-7 is for April and general maintenance on PS-2 is underway. Mr. Taylor reviewed the leachate demand report. Mr. Taylor said do they suspect problems with PS-2? Mr. Pannucci said no, they are just trying to start the preventative maintenance throughout the year where they will pull the pumps out and do the maintenance.

Mr. Pannucci said there were three radioactive loads for February (Tc-99m(2) and I-131). The waste streams met level 1 requirement and were disposed of onsite. The Phase IV Construction, waste activities have moved off of this area. They are putting a new road across the top. The SE Realignment Construction activities, waste operations continue in Cell SE-1A. Construction of 1B is underway. They have gotten the old cap off and are down to subgrade and once the weather breaks, they will put down the subbase material and begin construction of the cell. They are hoping it's completed sometime in May.

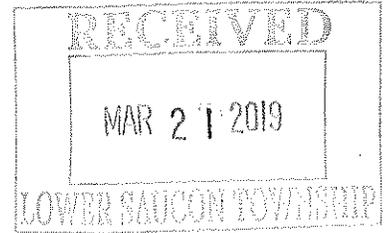
Mr. Pannucci said there were 8 complaints received from last November. The most recent ones were the ones on March 7, March 12 and March 13, which were odor complaints. They are doing their due diligence and haven't notice anything on their runs that is going off-site and causing a nuisance to the neighbors. Mr. Hijazi said do you think the weather may be a factor. Mr. Pannucci said they are not there 24/7. Mr. Hijazi said do you know who is making the complaints. Mr. Pannucci said they don't tell you who they are, the DEP spreadsheet has the address and its two people who have called in. They aren't causing any issues from what he can tell from their facility. Mr. Taylor said he does not generally smell anything on his runs. Mr. Pannucci said DEP doesn't go out there until the next day so it's difficult to confirm or deny the odors. They are still battling seeps, and with all the rain, it's an ongoing battle and they will keep an eye on it and address things as they come up. Mr. Taylor said seeps can be a source of odor too.

Mr. Minton said do you think the flare is more tolerable to oxygen intrusion. Mr. Taylor said yes. Mr. Minton said you don't want oxygen intrusion in the landfill because you have every source for fire. The turbine is tolerant to oxygen intrusion, but you'd want to consider the landfill. Mr. Taylor said one of the migration wells, No. 3, was it rechecked? Mr. Pannucci said they just did those. The six wells get remediated. Mr. Taylor said he wants to make sure they get back to zero. Mr. Pannucci said he will pull the report. Regarding the odors, they keep checking where they are coming from, or are the coming from other sources. There are tons of different things that can cause odors. They will continue to do what they have to do to not impact the neighbors.

Mr. Taylor said you just hired one new operator. Mr. Pannucci said they now have 8 guys. They have someone who will be their District Manager, nothing set in stone yet. Mr. Taylor said they are doing a great job. He always gets an answer when he has a question.

Mr. Taylor said the next meeting is on April 18, 2019 starting at 1:00 p.m. The meeting adjourned at 1:38 p.m.

**Bethlehem Landfill Company
LST Committee Meeting Notes March 2019
March 21, 2019**



Agenda Items

I. Waste Activities

Monthly Tonnages

	December	January	February
MSW	25,046.21	25,878.48	23,887.16
C&D	1,727.78	1,844.80	1,830.91
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<u>Form U Submittals</u>	<u>Waste</u>	<u>Approval Date</u>
Reeb Millwork Company	Plant Trash (710)	2/27/19
Earth Efficient, LLC	Contaminated Soil (506)	3/12/19

II. Annual Groundwater Trend Analysis

First quarter sampling event was conducted on February 25th through the 27th by Earth Res Group.

III. Correspondence / Reports

Fourth Quarter 2018 Facility Report (Expanded Version)

IV. Landfill Operations

Department of Environmental Protection Inspections

Scheduled for 3/27/19 S. French (Solid Waste), M. Glogowski (Solid Waste)

Host Municipal Inspection

3/7/19 C. Taylor
3/21/19 C. Taylor

Commercial Waste Vehicles

Total # Trucks

December	January	February
2469	2788	2394

	December	January	February
Overweight	53	86	79
Warnings	41	75	68
Suspensions	12	11	11

December – TT=49, RL=1, FL=1, DT=2 January – TT=49, RL=5, DT=32 February – TT=44, RL=3, DT=32

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

Bethlehem Renewable Energy and Flare Operations and Gas Collection

BRE is shut down for the foreseeable future. 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 between plant and flare.

February Average Flare Flow = 2,711 SCFM

See times for flare shutdowns.

None

Documentation is on file.

North Slope Road and swale have been repaired from heavy rain. Sedimentation traps and ponds need to be cleaned out.

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. Control Systems 21 is scheduled for April for maintenance on the transducers.

Leachate collection

Flow rates continue to be monitored and reported. Intermittent malfunctions of the well pumps and controls are repaired or replaced as needed. Scheduling for the cleaning out of LMC-7 and general maintenance on PS-2 is underway.

Radiation Monitoring

There were 3 radioactive loads for February (Tc-99m(2) and I-131). The waste streams met level 1 requirement and were disposed of onsite.

Phase IV Construction Activities

Waste operations have moved off of this area.

SE Realignment Construction Activities

Waste operations continue in Cell SE-1A.

Complaints received by Waste Connections

8 complaints received ^{since} on 11/24/18 (Odor Complaint), 12/28/18 (Water on Applebutter Road), 1/8/19 (Odor Complaint), 2/1/19 (Odor Complaint), 2/26/19 (Odor Complaint), 3/1/19 (Odor Complaint), 3/7/19 (Odor Complaint), 3/12/19 (Odor Complaint), and 3/13/19 (Odor Complaint)

BETHLEHEM LANDFILL
LEACHATE DEMAND REPORT
February 2019

<u>Location</u>	<u>Total gallons</u>
LMC-6	91,388
LMC-7	20,225
LMC-8	100,421
PS-4	246,022
LMC-10	1,683,061
PS-1	256,678
PS-2	165,099
PS-3	213,246
Phase-IV	635,023

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	1,683,061
Phase IV	635,023
TOTAL	2,318,084 gallons

Total Leachate

Leachate	458,056
Phase IV	635,023
TOTAL	1,093,079 gallons

LMC-10 Flow – Abatement System Flow = Leachate System Flow (gallons).
 Abatement System Flow = 1,225,005 gallons (Neptune Flow meters)

BETHLEHEM LANDFILL

GROUNDWATER DEMAND REPORT February 2019

Well No.	Water Level (avg. ft SWL*)	Flow (avg. GPM)	(Total gal)
AB-1	85.6	7.6	307,037
AB-2	47.1	4.5	181,520
AB-3	31.4	0.3	10,830
AB-4	41.2	3.1	126,331
AB-5	40.8	0.8	31,024
AB-6	41.5	6.5	262,440
AB-7	42.1	3.9	155,311
AB-8	43.1	0.4	17,095
AB-9	73.8	0.1	3,122
AB-10	70.1	3.2	130,295
TW-1	54.4	<0.1	0
Total Flow			1,225,005 gallons

*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	ALLON	LOW (gp)	G/A/D	TOTALIZER	ALLON	LOW (gp)	G/A/D	TOTALIZER	ALLON	LOW (gp)	G/A/D
3/5/2018	7.00	1892750	3,802	543	35	4076300	4438	634	52	7,251,146	14058	2,008	346
3/12/2018	7.00	1896675	3,925	561	36	4093937	17637	2,520	207	7,263,202	12056	1,722	297
3/19/2018	7.00	1900129	3,454	493	31	4113947	20010	2,859	234	7,269,797	6595	942	162
3/26/2018	7.00	1903092	2,963	423	27	4121738	7791	1,113	91	7,275,931	6134	876	151
4/2/2018	7.00	1905763	2,671	382	24	4127863	6125	875	72	7,282,438	6507	930	160
4/12/2018	10.00	1908965	3,202	320	20	4135735	7872	787	65	7,291,172	8734	873	151
4/17/2018	5.00	1913740	4,775	955	61	4139567	3832	766	63	7,295,629	4457	891	154
4/25/2018	8.00	1923985	10,245	1,281	82	4145883	6316	790	65	7,302,357	6728	841	145
5/1/2018	6.00	1927224	3,239	540	34	4150402	4519	753	62	7,307,719	5362	894	154
5/7/2018	6.00	1929415	2,191	365	23	4153984	3582	597	49	7,312,372	4653	776	134
5/14/2018	7.00	1931714	2,299	328	21	4157899	3915	559	46	7,317,861	5489	784	135
5/22/2018	8.00	1941451	9,737	1,217	78	4162642	4743	593	49	7,324,158	6297	787	136
5/30/2018	8.00	1957150	15,699	1,962	125	4168640	5998	750	61	7,330,876	6718	840	145
6/7/2018	8.00	1962087	4,937	617	39	4173975	5335	667	55	7,337,432	6556	820	141
6/11/2018	4.00	1963994	1,907	477	30	4176297	2322	581	48	7,340,758	3326	832	143
6/20/2018	9.00	1968645	4,651	517	33	4181070	4773	530	43	7,347,903	7145	794	137
6/29/2018	9.00	1972093	3,448	383	24	4185888	4818	535	44	7,354,995	7092	788	136
7/5/2018	6.00	1975571	3,478	580	37	4188922	3034	506	41	7,359,559	4564	761	131
7/9/2018	4.00	1977247	1,676	419	27	4190621	1699	425	35	7,362,407	2848	712	123
7/16/2018	7.00	1980957	3,710	530	34	4193793	3172	453	37	7,367,648	5241	749	129
7/23/2018	7.00	1987902	6,945	992	63	4197413	3620	517	42	7,373,190	5542	792	137
8/1/2018	9.00	2002364	14,462	1,607	102	4203043	5630	626	51	7,380,786	7596	844	146
8/6/2018	5.00	2009784	7,420	1,484	95	4206558	3515	703	58	7,387,834	7048	1,410	243
8/13/2018	7.00	2016356	6,572	939	60	4211550	4992	713	58	7,397,325	9491	1,356	234
8/20/2018	7.00	2031303	14,947	2,135	136	4216001	4451	636	52	7,406,036	8711	1,244	215
8/31/2018	11.00	2041040	9,737	885	56	4222779	6778	616	51	7,417,472	11436	1,040	179
9/7/2018	7.00	2048903	7,863	1,123	72	4226212	3433	490	40	7,423,929	6457	922	159
9/12/2018	5.00	2062345	13,442	2,688	171	4229341	3129	626	51	7,429,272	5343	1,069	184
9/18/2018	6.00	2075788	13,443	2,241	143	4232471	3130	522	43	7,434,616	5344	891	154
10/1/2018	13.00	2126610	50,822	3,909	249	4240280	7809	601	49	7,448,700	14084	1,083	187
10/11/2018	10.00	2144225	17,615	1,762	112	4248664	8384	838	69	7,459,592	10892	1,089	188
10/19/2018	8.00	2162440	18,215	2,277	145	4254418	5754	719	59	7,468,523	8931	1,116	192
10/26/2018	7.00	2168193	5,753	822	52	4259031	4613	659	54	7,476,178	7655	1,094	189
11/8/2018	13.00	2218469	50,276	3,867	246	4267917	8886	684	56	7,494,605	18427	1,417	244
11/12/2018	4.00	2235017	16,548	4,137	264	4270862	2945	736	60	7,503,285	8680	2,170	374
11/20/2018	8.00	2281915	46,898	5,862	373	4277348	6486	811	66	7,519,184	15899	1,987	343
11/26/2018	6.00	2323727	41,812	6,969	444	4282847	5499	917	75	7,536,060	16876	2,813	485
12/3/2018	7.00	2362413	38,686	5,527	352	4288737	5890	841	69	7,549,897	13837	1,977	341
12/12/2018	9.00	2378987	16,574	1,842	117	4295542	6805	756	62	7,562,467	12570	1,397	241
12/17/2018	5.00	2385229	6,242	1,248	80	4298911	3369	674	55	7,569,124	6657	1,331	230
12/27/2018	10.00	2410111	24,882	2,488	158	4308355	9444	944	77	7,588,337	19213	1,921	331
1/3/2019	7.00	2421998	11,887	1,698	108	4313118	4763	680	56	7,596,652	8315	1,188	205
1/8/2019	5.00	2432734	10,736	2,147	137	4318265	5147	1,029	84	7,604,683	8031	1,606	277
1/14/2019	6.00	2440995	8,261	1,377	88	4323231	4966	828	68	7,612,768	8085	1,348	232
1/21/2019	7.00	2448933	7,938	1,134	72	4328080	4849	693	57	7,622,157	9389	1,341	231
1/31/2019	10.00	2478187	29,254	2,925	186	4335657	7577	758	62	7,636,997	14840	1,484	256
2/5/2019	5.00	2485497	7,310	1,462	93	4338934	3277	655	54	7,643,370	6373	1,275	220
2/14/2019	9.00	2512578	27,081	3,009	192	4344859	5925	658	54	7,655,197	11827	1,314	227
2/19/2019	5.00	2524553	11,975	2,395	153	4348515	3656	731	60	7,662,695	7498	1,500	259
2/28/2019	9.00	2544435	19,882	2,209	141	4355882	7367	819	67	7,674,910	12215	1,357	234

IESI BETHLEHEM LANDFILL

	A	B	C	D	E	F	H	I	J	K	M	N	O
866		TIME	Phase IV PS-1 (Secondary Flows)				Phase IV PS-1 (Primary flow)						sump
867		(days)	TOTALIZER	GALLONS	FLOW (gpd)	g/ac/day			Totalizer	gallons	flow(gpd)	g/ac/day	inches
877	3/5/2018	7	309239	942	135	5			48394293	28484	4069	157	14.9"
878	3/12/2018	7	310109	870	124	5			48421021	26728	3818	147	21.2"
879	3/19/2018	7	310874	765	109	4			48450104	29083	4155	160	11.3"
880	3/26/2018	7	310907	33	5	0			48481784	31680	4526	174	14.7"
881	4/2/2018	7	310926	19	3	0			48515391	33607	4801	185	17.7"
882	4/12/2018	10	312355	1429	143	5			48563817	48426	4843	186	15.9"
883	4/17/2018	5	312358	3	1	0			48589965	26148	5230	201	14.4"
884	4/25/2018	8	313666	1308	164	6			48632494	42529	5316	204	22.9"
885	5/1/2018	6	313670	4	1	0			48668382	35888	5981	230	21.9"
886	5/7/2018	6	314364	694	116	4			48699782	31400	5233	201	20.4"
887	5/14/2018	7	314639	275	39	2			48737142	37360	5337	205	18.7"
888	5/23/2018	8	315273	634	79	3			48785701	48559	6070	233	18.9"
889	5/30/2018	8	316171	898	112	4			48840699	54998	6875	264	19.8"
890	6/7/2018	8	316474	303	38	1			48890927	50228	6279	241	18.1"
891	6/11/2018	4	316480	6	2	0			48915631	24704	6176	238	22.9"
892	6/20/2018	13	316484	10	1	0			48971353	80426	6187	238	16.1"
893	6/29/2018	9	316495	11	1	0			49025903	54550	6061	233	13.6"
894	7/5/2018	6	316498	3	1	0			49059729	33826	5638	217	20.2"
895	7/9/2018	4	316502	4	1	0			49082662	22933	5733	221	14.0"
896	7/16/2018	7	316504	2	0	0			49120934	38272	5467	210	18.4"
897	7/23/2018	7	316507	3	0	0			49161305	40371	5767	222	15.4"
898	8/1/2018	9	316545	38	4	0			49205956	44651	4961	191	23.6"
899	8/6/2018	5	316633	88	18	1			49231931	25975	5195	200	18.9"
900	8/13/2018	7	316776	143	20	1			49268430	36499	5214	201	21.6"
901	8/20/2018	7	316944	168	24	1			49305805	37375	5339	205	18.9"
902	8/31/2018	11	317122	178	16	1			49369414	63609	5783	222	23.4"
903	9/7/2018	7	317301	179	26	1			49415154	45740	6534	251	18.7"
904	9/12/2018	5	317403	102	20	1			49455655	40501	8100	312	22.1"
905	9/18/2018	6	317557	154	26	1			49496755	41100	6850	263	21.2"
906	10/1/2018	13	317871	314	24	1			49565289	68534	5272	203	22.1"
907	10/11/2018	10	318122	251	25	1			49623186	57897	5790	223	21.2"
908	10/19/2018	8	318345	223	28	1			49664658	41472	5184	199	23.4"
909	10/26/2018	7	318500	155	22	1			49706343	41685	5955	229	17.4"
910	11/8/2018	13	318736	236	18	1			49784960	78617	6047	233	14.0"
911	11/12/2018	4	318746	10	3	0			49805391	20431	5108	196	17.4"
912	11/20/2018	8	319503	757	95	4			49880144	54753	6844	263	17.4"
913	11/26/2018	6	319996	493	82	3			51031479	1171335	195223	7509	20.4"
914	12/3/2018	7	325089	5093	728	28			51105543	74064	10581	407	20.6"
915	12/12/2018	9	329426	4337	482	19			51747282	641719	71302	2742	17.6"
916	12/17/2018	5	331435	2009	402	15			51802463	55201	11040	425	21.9"
917	12/27/2018	10	339877	8442	844	32			54197652	2395189	239519	9212	23.6"
918	1/3/2019	7	343848	3971	567	22			54208523	10871	1553	60	14.9"
919	1/8/2019	5	347137	3289	658	25			54208523	0	0	0	18.9"
920	1/14/2019	6	349233	2096	349	13			54233557	25034	4172	160	20.4"
921	1/21/2019	7	352210	2977	425	16			54270683	37126	5304	204	20.8"
922	1/31/2019	10	357979	5769	577	22			54324279	53596	5360	206	15.3"
923	2/5/2019	5	360083	2104	421	16			54334479	10200	2040	78	20.2"
924	2/14/2019	9	367044	6961	773	30			54387599	53120	5902	227	14.7"
925	2/19/2019	5	374215	7171	1434	55			54424895	37296	7459	287	20.2"
926	2/28/2019	9	383870	9655	1073	41			54555066	130171	14463	556	16.4"

IESI BETHLEHEM LANDFILL

Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC
866 TIME	Phase IV PS-2 (Secondary Flows)					Phase IV PS-2 (Primary)						
867 (days)	TOTALIZER	GALLONS	FLOW (gpd)	g/ac/day				Totalizer	gallons	flow(gpd)	g/ac/day	inches
877	3/5/2018	7	7138	0	0	0.0		19199875	47250	6750	637	32.9"
878	3/12/2018	7	7138	0	0	0.0		19243472	43597	6228	588	28.6"
879	3/19/2018	7	7138	0	0	0.0		19282813	39341	5620	530	32.2"
880	3/26/2018	7	7138	0	0	0.0		19317905	35092	5013	473	31.4"
881	4/2/2018	7	7138	0	0	0.0		19354133	36228	5175	488	33.9"
882	4/12/2018	10	7138	0	0	0.0		19408065	53932	5393	509	32.9"
883	4/17/2018	5	7138	0	0	0.0		19433177	25112	5022	474	29.9"
884	4/25/2018	8	7138	0	0	0.0		19475666	42489	5311	501	31.4"
885	5/1/2018	6	7138	0	0	0.0		19505950	30284	5047	476	30.7"
886	5/7/2018	6	7138	0	0	0.0		19532651	26701	4450	420	30.2"
887	5/14/2018	7	7138	0	0	0.0		19563116	30464	4352	411	31.6"
888	5/22/2018	8	7138	0	0	0.0		19600935	37720	4715	445	29.7"
889	5/30/2018	8	7138	0	0	0.0		19642231	41396	5175	488	28.8"
890	6/7/2018	9	7138	0	0	0.0		19678291	36060	4508	425	33.7"
891	6/11/2018	4	7138	0	0	0.0		19695505	17214	4304	406	30.5"
892	6/20/2018	13	7138	0	0	0.0		19733233	54942	4226	399	33.9"
893	6/29/2018	9	7138	0	0	0.0		19770463	37230	4137	390	31.4"
894	7/5/2018	6	7138	0	0	0.0		19794854	24391	4065	384	33.1"
895	7/9/2018	4	7138	0	0	0.0		19810534	15680	3920	370	34.6"
896	7/16/2018	7	7138	0	0	0.0		19829442	18908	2701	255	32.0"
897	7/23/2018	7	7138	0	0	0.0		19849101	19659	2808	265	33.1"
898	8/1/2018	9	7138	0	0	0.0		19867442	18341	2038	192	29.3"
899	8/6/2018	5	7138	0	0	0.0		19871321	3879	776	73	28.0"
900	8/13/2018	7	7138	0	0	0.0		19878945	7624	1089	103	32.9"
901	8/20/2018	7	7138	0	0	0.0		19880023	1078	154	15	32.2"
902	8/31/2018	11	7138	0	0	0.0		19891899	11876	1080	102	33.5"
903	9/7/2018	7	7138	0	0	0.0		19927242	35343	5049	476	34.5"
904	9/12/2018	5	7138	0	0	0.0		19957019	29777	5955	562	30.7"
905	9/18/2018	6	7138	0	0	0.0		19986895	29876	4979	470	31.8"
906	10/1/2018	13	7138	0	0	0.0		20061731	74836	5757	543	31.2"
907	10/11/2018	10	7138	0	0	0.0		20121467	59736	5974	564	33.3"
908	10/19/2018	8	7138	0	0	0.0		20167014	45547	5693	537	28.2"
909	10/26/2018	7	7138	0	0	0.0		20204646	37632	5376	507	34.1"
910	11/8/2018	13	7138	0	0	0.0		20279418	74772	5752	543	33.3"
911	11/12/2018	4	7138	0	0	0.0		20304457	25039	6260	591	28.2"
912	11/20/2018	8	7138	0	0	0.0		20358630	54173	6772	639	28.4"
913	11/26/2018	6	7138	0	0	0.0		20405933	47303	7884	744	29.3"
914	12/3/2018	7	7138	0	0	0.0		20461258	55325	7904	746	31.4"
915	12/12/2018	9	7138	0	0	0.0		20522082	60824	6758	638	33.7"
916	12/17/2018	5	7138	0	0	0.0		20550035	27953	5591	527	30.3"
917	12/27/2018	10	7138	0	0	0.0		20620324	70289	7029	663	32.9"
918	1/3/2019	7	7138	0	0	0.0		20660606	40282	5755	543	29.5"
919	1/8/2019	5	7138	0	0	0.0		20700486	39880	7976	752	33.3"
920	1/14/2019	6	7138	0	0	0.0		20740910	40424	6737	636	30.3"
921	1/21/2019	7	7138	0	0	0.0		20780285	39375	5625	531	34.1"
922	1/31/2019	10	7138	0	0	0.0		20842598	62313	6231	588	28.5"
923	2/5/2019	5	7138	0	0	0.0		20871208	28610	5722	540	30.2"
924	2/14/2019	9	7138	0	0	0.0		20923558	52350	5817	549	31.4"
925	2/19/2019	5	7138	0	0	0.0		20952717	29159	5832	550	27.8"
926	2/28/2019	9	7138	0	0	0.0		21007697	54980	6109	576	28.9"

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	
877	3/5/2018	7	42582	0	0	0			8743191	55248	7893	1902	23.8"	
878	3/12/2018	7	42583	1	0	0			8789495	46304	6615	1594	22.3"	
879	3/19/2018	7	42583	0	0	0			8823534	34039	4863	1172	23.6"	
880	3/26/2018	7	42629	46	7	1			8950029	26495	3785	912	27.4"	
881	4/2/2018	7	42631	2	0	0			8877792	27763	3966	956	26.8"	
882	4/12/2018	10	42631	0	0	0			8918259	40467	4047	975	24.7"	
883	4/17/2018	5	42631	0	0	0			8935021	16762	3352	808	25.7"	
884	4/25/2018	8	42632	1	0	0			8967304	32283	4035	972	25.7"	
885	5/1/2018	6	42632	0	0	0			8986273	18969	3162	762	25.5"	
886	5/7/2018	6	42632	0	0	0			9002559	16286	2714	654	26.8"	
887	5/14/2018	7	42632	0	0	0			9020498	17939	2563	618	24.9"	
888	5/22/2018	8	42632	0	0	0			9047728	27230	3404	820	25.9"	
889	5/30/2018	8	42665	33	4	0			9086032	38304	4788	1154	27.4"	
890	6/7/2018	8	42665	0	0	0			9110208	24176	3022	728	25.5"	
891	6/11/2018	4	42665	0	0	0			9120377	10169	2542	613	26.2"	
892	6/20/2018	13	42665	0	0	0			9142393	32185	2476	597	26.8"	
893	6/29/2018	9	42665	0	0	0			9162659	20266	2252	543	23.6"	
894	7/5/2018	6	42665	0	0	0			9176312	13653	2276	548	23.6"	
895	7/9/2018	4	42665	0	0	0			9185141	8829	2207	532	27.9"	
896	7/16/2018	7	42665	0	0	0			9199913	14772	2110	509	26.8"	
897	7/23/2018	7	42666	1	0	0			9216822	16909	2416	582	25.1"	
898	8/1/2018	9	42666	0	0	0			9259666	42844	4760	1147	21.1"	
899	8/6/2018	5	42666	0	0	0			9284508	24842	4968	1197	24.9"	
900	8/13/2018	7	42666	0	0	0			9322417	37909	5416	1305	24.9"	
901	8/20/2018	7	42666	0	0	0			9354156	31739	4534	1093	25.7"	
902	8/31/2018	11	42689	23	2	0			9396489	42333	3848	927	25.3"	
903	9/7/2018	7	42689	0	0	0			9416454	19965	2852	687	26.8"	
904	9/12/2018	5	42689	0	0	0			9434353	17899	3580	863	24.8"	
905	9/18/2018	6	42689	0	0	0			9452352	17999	3000	723	25.7"	
906	10/1/2018	13	42689	0	0	0			9488864	36512	2809	677	66.9"	
907	10/11/2018	10	42689	0	0	0			9490856	1992	199	48	67.8"	
908	10/19/2018	8	42781	92	12	1			9494868	4012	502	121	63.1"	
909	10/26/2018	7	42817	36	5	0			9500655	5787	827	199	60.5"	
910	11/8/2018	13	42817	0	0	0			9596127	95472	7344	1770	24.5"	
911	11/12/2018	4	43246	429	107	10			9627326	31199	7800	1879	15.3"	
912	11/20/2018	8	43246	0	0	0			9692363	65037	8130	1959	17.7"	
913	11/26/2018	6	43246	0	0	0			9747387	55024	9171	2210	21.5"	
914	12/3/2018	7	43266	20	3	0			9811123	63736	9105	2194	18.5"	
915	12/12/2018	9	43266	0	0	0			9869983	58860	6540	1576	26.6"	
916	12/17/2018	5	43266	0	0	0			9893769	23786	4757	1146	27.6"	
917	12/27/2018	10	43266	0	0	0			9968493	74724	7472	1801	23.2"	
918	1/3/2019	7	43266	0	0	0			10015193	46700	6671	1606	20.2"	
919	1/8/2019	5	43266	0	0	0			10063124	47931	9586	2310	18.5"	
920	1/14/2019	6	43266	0	0	0			10105956	42832	7139	1720	26.2"	
921	1/21/2019	7	43266	0	0	0			10142879	36923	5275	1271	21.5"	
922	1/31/2019	10	43266	0	0	0			10216913	74034	7403	1784	20.0"	
923	2/5/2019	5	43266	0	0	0			10250043	33130	6626	1597	18.7"	
924	2/14/2019	9	43266	0	0	0			10303601	53558	5951	1434	23.2"	
925	2/19/2019	5	43266	0	0	0			10344671	41070	8214	1979	16.4"	
926	2/28/2019	9	43549	283	31	3			10429876	85205	9467	2261	22.3"	

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	
877														
878														
879														
880														
881														
882														
883														
884														
885														
886														
887														
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895														
896														
897														
898														
899														
900														
901														
902														
903														
904														
905														
906														
907														
908														
909								0	0	#DIV/0!	#DIV/0!	0"		
910			0	0	0	0		0	0	#DIV/0!	#DIV/0!	0"		
911	11/12/2018	0	147	147	0	0		207023	207023	#DIV/0!	#DIV/0!	28.3"		
912	11/20/2018	8	147	0	0	0		575433	368410	46051	11097	31.4"		
913	11/26/2018	6	147	0	0	0		880527	305094	50849	12253	21.5"		
914	12/3/2018	7	147	0	0	0		1158031	277504	39643	9553	18.5"		
915	12/12/2018	9	147	0	0	0		1158032	1	0	0	18.5"		
916	12/17/2018	5	147	0	0	0		1158033	1	0	0	18.5"		
917	12/27/2018	10	404	257	26	2		1560142	402109	40211	9689	19.3"		
918	1/3/2019	7	404	0	0	0		1560143	1	0	0	19.3"		
919	1/8/2019	5	483	79	16	1		1856842	296699	59340	14299	22.1"		
920	1/14/2019	6	586	103	17	2		1875514	18672	3112	750	15"		
921	1/21/2019	7	586	0	0	0		2019879	144365	20624	4970	14.1"		
922	1/31/2019	10	941	355	36	3		2269621	249742	24974	6018	22.5"		
923	2/5/2019	5	941	0	0	0		2286229	16608	3322	800	21.0"		
924	2/14/2019	9	941	0	0	0		2352286	66057	7340	1769	28.4"		
925	2/19/2019	5	941	0	0	0		2413009	60723	12145	2926	20.4"		
926	2/28/2019	9	941	0	0	0		2515643	102634	11404	2748	21.8"		