

IESI Bethlehem Landfill Committee Meeting Minutes

Date: Thursday, July 19, 2018
Time: 1:08 p.m.
Location: Lower Saucon Township Council Meeting Room
Attendance: Hanover Engineering: Jake Schray; Exelon: Lane Bradley; IESI: Don Hallock, Nick Rogers, Dave Pannucci; Members: Hazem Hijazi & Neil Ortwein; Staff: Leslie Huhn & Diane Palik.
Absent: Priscilla deLeon, Council Liaison.

Mr. Rogers reviewed the monthly tonnages for June.

	<u>April</u>	<u>May</u>	<u>June</u>
MSW	33,015.82	31,087.58	30,293.20
C&D	2,447.50	2,155.62	3,120.66
Residual (Total)	1,192.35	1,920.85	1,397.69
Asbestos	0.0	141.40	111.82
Sewage Sludge-New Category as of 02-15-18	64.13	79.58	80.15
Out of State (Total)	18,936.46 (52%)	18,471.71 (52%)	18,947.6 (54%)
Recycle	9 (78%)	11 (72%)	13 (62%)
No. Trucks	3,104	3,267	3,216

Mr. Rogers said there were four Form U submittals between June 5, 2018 and June 29, 2018. The Annual Groundwater Trend Analysis was completed on June 29, 2018 by Meiser & Earl. The next groundwater event is scheduled for the first week of September by Earth Res Group.

Mr. Rogers said for Correspondence/Reports, there were the Abatement System Report, Annual Trend Analysis, Annual Operations Report, and Q1 Facility Report Extended Version. He just submitted the Q218 fees.

Mr. Rogers said for Landfill Operations, inspections from DEP were conducted on June 6, June 11 and June 18, 2018. There was an Engineers meeting on June 5, 2018. There were three Host Municipal inspections with Chris Taylor on June 7, June 21, and July 5, 2018.

Mr. Rogers said for Commercial Waste Vehicles, there were 3,216; overweight's were 59, warnings 31 and suspensions 28.

Mr. Rogers said BRE was running at full capacity, in conjunction with the flare as the main GCCS. IESI and BRE continue to communicate with BRE along with SCSFS with any routine or non-routine maintenance to maximize LFG production and minimize odor between plant and flare. AEG Environmental completed the installation of four new vertical wells and 10 re-drills. The replacement header under the haul road has been completed. AEG is planning to be done working on the replacement of the old header and installation of the new header along with constructing air and drain lines to each well to install de-watering pumps by the end of the week. Mr. Schray said BRE was down today. Mr. Bradley said right now they are down for maintenance. He said there were eight outages, four were maintenance, two were due to a power loss and two were unplanned.

Mr. Rogers said for the North Slope, sedimentation traps are functional, perimeter road is in good condition. The abatement system continues to operate and discharge to the Bethlehem WWTP. Intermittent malfunctions of the well pumps and controls are repaired and replaced as needed. Upgrading of controls and motors is taking place for preventive maintenance.

Mr. Rogers said leachate collection, the flow rates continue to be monitored and reported. Intermittent malfunctions of the well pumps and controls are repaired or replaced, as needed. There were five radioactive loads for June, which were all Iodine. The waste streams met level 1 requirement and were disposed of onsite.

Mr. Rogers said for Phase IV Construction Activities, currently the active disposal area is 4-A and 4-D. For the Southeast Realignment construction activities, the construction of the MSE wall is complete. The drop off center is complete but not being used yet due to construction activity nearby. Composite is being placed in the cell.

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Mr. Rogers said a civil lawsuit was received on June 29, 2018.

Mr. Rogers reviewed the leachate demand report as well as all the flows in LMC-6, 7 and 8, PS1, 2 and 3.

Mr. Schray said he will make sure the Township gets his inspection report. There wasn't anything that was urgent and everything looks in pretty good shape. At the entrance this morning, there was a slight intermittent odor on Applebutter Road.

Mr. Hijazi said it seems some days both the flare at BRE and the landfill went down at the same time. Mr. Hallock said when the BRE plant was down for maintenance or an outage, they had the flare down for less than 10 minutes due to the power being turned off. Chris Taylor was on site at that time.

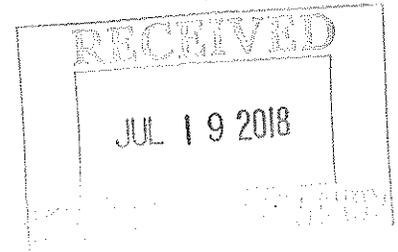
Mr. Hijazi said on June 6th, BRE was down for 11 hours and IESI had multiple shutdowns. Mr. Rogers said on June 6th they had Earth Res Group working on their flare. They were doing louver controls and had to actually turn all power off to update the HMI screen. They were lowering and upping the flows to make sure the louvers were working correctly. That's why there are so many on that date. They also did work on June 7th. Mr. Hijazi said that a concern when BRE and IESI are down. Mr. Hallock said during the inspection, they looked at the temporary cap and it was not ballooned. You'd see the temporary cap balloon up if there was no vacuum. Mr. Bradley said that could happen in little as four hours. Mr. Rogers said on one of those days they were doing a tie-in for the cell construction.

Mr. Hijazi said he saw an email about a smell of wild onions. Mrs. Huhn said it's the wild onion weeds. Mr. Schray said Applebutter Road did look a little bit dirty. Mr. Hallock said they took care of it. Mrs. Huhn asked about the sinkhole. Mr. Hallock said he had the Chief up there a couple of times to talk about it. It was reported and was filled in and patched. The trucks try to avoid the sinkhole.

Mr. Hallock said they mentioned it at the Council meeting last night and they are not IESI anymore, they will be Bethlehem Landfill Company. They will wait for the formal documents and then send them to the Township.

The next regular inspection will be August 16th at 10:00 a.m. and the Landfill Committee meeting at 1:00 p.m. The meeting adjourned at 1:25 p.m.

Mrs. Huhn said the email this morning, disks versus pdf. Did Mr. Taylor ask for this? Mr. Rogers said yes, he asked last quarter. They send groundwater data to DEP via email. Mr. Taylor asked Mr. Rogers to send them to him in the Excel version through email. If the Township wants a disk, that's fine. Mrs. Huhn said she thinks we do because it may be too large to email to some of the people who receive it. Mr. Rogers said Mr. Taylor still wants the binders. Mrs. Huhn said she doesn't want to speak for Council as years ago it was 4 disks and a binder, but she can run it by Council if something is changing. She didn't know Mr. Taylor said to just send it to him, via email. Even if you are going to do it through email, it should still come to the Township first before it goes to HEA or Mr. Taylor, as we are monitoring distribution. We can talk about it going forward.



**IESI Bethlehem Landfill
LST Committee Meeting Notes
July 19, 2018**

Agenda Items

I. Waste Activities

Monthly Tonnages

	April	May	June
MSW	33,015.82	31,087.58	30,293.20
C&D	2,447.50	2,155.62	3,120.66
Residual (total)	1,192.35	1,920.85	1,397.69
Asbestos	0.0	141.40	111.82
Sewage Sludge(90/10)	64.13	79.58	80.15
Out of state (total)	18,936.46(52%)	18,471.71(52%)	18,947.6(54%)
Recycle	9(78%)	11(72%)	13(62%)

<u>Form U Submittals</u>	<u>Waste</u>	<u>Approval Date</u>
Yannuzzi Group	ACM	6/5/2018
IMTT Bayonne	ACM	6/27/2018
AAK USA	Plant Trash	6/29/2018
Triple Crown	ACM	6/29/2018

II. Annual Groundwater Trend Analysis

Annual Trend analysis completed 6/29/2018 by M&E. Quarterly sampling event scheduled for first week of September by ERG.

III. Correspondence / Reports

- Abatement System Report
- Annual Trend Analysis
- Annual Operations Report
- Q1 Facility Report Extended Version

IV. Landfill Operations

Department of Environmental Protection Inspections

6/5/18 S. French- Engineers Meeting
6/6/18 A. Faulch, J. Wagoner- SW & AQ Monthly Inspection
6/11/18 A. Faulch- Inspection follow-up
6/18/18 A. Faulch, J. Wagoner- Surface Emissions with SCSFS

Host Municipal Inspection

6/7/18 C. Taylor
6/21/18 C. Taylor
7/5/18 C. Taylor

<u>Commercial Waste Vehicles</u>	April	May	June
Total # Trucks	3104	3267	3216
	April	May	June
Overweight	48	43	59
Warnings	38	33	31
Suspensions	10	10	28
	48-TT	2-RL, 41-TT	58-TT, 1-RL

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

Bethlehem Renewable Energy and Flare Operations and Gas Collection

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

AEG Environmental completed the install of 4 new vertical wells and 10 re-drills. The replacement header under the haul road has been completed. AEG is planning to be done working on replacement of old header and installation of new header along with constructing air and drain lines to each well to install de-watering pumps by the end of the week.

See times for flare and plant shutdowns

Beginning of event shutdown Flare	Date: 6/4/18	Time: 15:23	
End of event startup	Date: 6/4/18	Time: 16:36	Duration: 1:13min
Beginning of event shutdown Flare	Date: 6/6/18	Time: 8:41	
End of event startup	Date: 6/6/18	Time: 9:12	Duration: :25min
Beginning of event shutdown Flare	Date: 6/6/18	Time: 13:23	
End of event startup	Date: 6/6/18	Time: 14:01	Duration: :38min
Beginning of event shutdown Flare	Date: 6/6/18	Time: 14:29	
End of event startup	Date: 6/6/18	Time: 16:30	Duration: 2:01min
Beginning of event shutdown Flare	Date: 6/6/18	Time: 21:50	
End of event startup	Date: 6/6/18	Time: 21:58	Duration: :08min
Beginning of event shutdown Flare	Date: 6/7/18	Time: 2:18	
End of event startup	Date: 6/7/18	Time: 2:39	Duration: :21min
Beginning of event shutdown Flare	Date: 6/7/18	Time: 3:34	
End of event startup	Date: 6/7/18	Time: 3:51	Duration: :17min
Beginning of event shutdown Flare	Date: 6/7/18	Time: 5:02	
End of event startup	Date: 6/7/18	Time: 5:45	Duration: :43min
Beginning of event shutdown Flare	Date: 6/7/18	Time: 6:20	
End of event startup	Date: 6/7/18	Time: 6:51	Duration: :31min

Beginning of event shutdown Flare	Date: 6/7/18	Time: 9:43	
End of event startup	Date: 6/7/18	Time: 10:29	Duration: :46min
Beginning of event shutdown Flare	Date: 6/7/18	Time: 17:26	
End of event startup	Date: 6/7/18	Time: 17:56	Duration: :30min
Beginning of event shutdown Flare	Date: 6/27/18	Time: 7:18	
End of event startup	Date: 6/27/18	Time: 8:12	Duration: :13min
Beginning of event shutdown Flare	Date: 6/28/18	Time: 12:22	
End of event startup	Date: 6/28/18	Time: 12:54	Duration: :32min
Beginning of event shutdown Flare	Date: 6/28/18	Time: 13:05	
End of event startup	Date: 6/28/18	Time: 13:13	Duration: :8min
Beginning of event shutdown Plant	Date: 6/6/18	Time: 07:06	
End of event startup	Date: 6/7/18	Time: 16:50	Duration: 11:54min
Beginning of event shutdown Plant	Date: 6/14/18	Time: 08:14	
End of event startup	Date: 6/14/18	Time: 17:07	Duration: 8:53min
Beginning of event shutdown Plant	Date: 6/26/18	Time: 07:37	
End of event startup	Date: 6/26/18	Time: 13:33	Duration: 5:56 min
Beginning of event shutdown Plant	Date: 6/28/18	Time: 12:11	
End of event startup	Date: 6/28/18	Time: 15:12	Duration: 3:01min
Beginning of event shutdown Plant	Date: 6/21/18	Time: 4:08	
End of event startup	Date: 6/21/18	Time: 12:49	Duration: 8:41min
Beginning of event shutdown Plant	Date: 6/25/18	Time: 21:58	
End of event startup	Date: 6/26/18	Time: 00:15	Duration: 3:17min

Beginning of event shutdown Plant	Date: 6/26/18	Time: 23:32	
End of event startup	Date: 6/27/18	Time: 02:12	Duration: 4:40min
Beginning of event shutdown Plant	Date: 6/29/18	Time: 1:34	
End of event startup	Date: 6/29/18	Time: 10:08	Duration: 8:44min

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 5 radioactive loads for June, which were all Iodine. The waste streams met level 1 requirement and were disposed of onsite.

Phase IV Construction Activities

Currently the active disposal area is 4-A and 4-D.

SE Realignment Construction Activities

Construction of the MSE wall is complete. The drop off center is complete but not being used yet due to construction activity nearby. Composite is being placed in cell.

Complaints received by IESI

Civil lawsuit received on June 29.

BETHLEHEM LANDFILL

LEACHATE DEMAND REPORT

June 2018

<u>Location</u>	<u>Total gallons</u>
LMC-6	14,943
LMC-7	17,248
LMC-8	24,119
LMC-10	1,726,000
PS-1	185,204
PS-2	128,232
PS-3	76,627
Phase-IV	390,063

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

Total Discharge

LMC-10	1,726,000
Phase IV	<u>390,063</u>
TOTAL	2,116,063 gallons

Total Leachate

Leachate	213,399
Phase IV	<u>390,063</u>
TOTAL	515,406 gallons

LMC-10 Flow – Abatement System Flow = Leachate System Flow (gallons).
Abatement System Flow = 1,210,594 gallons (Neptune Flow meters)

BETHLEHEM LANDFILL
GROUNDWATER DEMAND REPORT
May 2018

Well No.	Water Level (avg. ft SWL*)	Flow (avg. GPM)	(Total gal)
AB-1	79.9	7.2	298626
AB-2R	47.4	2.8	117631
AB-3	24.8	0.1	878
AB-4	34.3	2.4	100404
AB-5	40.3	0.7	31012
AB-6	41.4	2.1	86999
AB-7	41.5	2.9	122824
AB-8	35.3	0.5	18948
AB-9	41.5	3.8	156927
AB-10	42.5	11.1	463352
TW-1	42.8	<0.1	0
Total Flow		1,397,601 gallons	

*SWL above transducer set point

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

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
868	1/3/2018	5	302042	42	8	0			48301870	33161	6632	255	14.2"
869	1/8/2018	5	302042	0	0	0			48316003	14133	2827	109	14.4"
870	1/19/2018	11	302042	0	0	0			48316623	620	56	2	18.4"
871	1/23/2018	4	303551	1509	377	15			48316672	49	12	0	16.1"
872	1/30/2018	7	304748	1197	171	7			48317544	872	125	5	15.3"
873	2/9/2018	10	305235	487	49	2			48321272	3728	373	14	18.1"
874	2/14/2018	5	306423	1188	238	9			48322929	1657	331	13	16.1"
875	2/19/2018	5	306927	504	101	4			48335358	12429	2486	96	20.2"
876	2/26/2018	7	308297	1370	196	8			48365809	30451	4350	167	17.8"
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	5/22/2018	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"

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	sump inches
868	1/3/2018	5	7138	0	0	0.0			18866480	23228	4646	438	28.6"
869	1/8/2018	5	7138	0	0	0.0			18890370	23890	4778	451	28.2"
870	1/19/2018	11	7138	0	0	0.0			18944684	54314	4938	466	18"
871	1/23/2018	4	7138	0	0	0.0			18964100	19416	4854	458	32.2"
872	1/30/2018	7	7138	0	0	0.0			19002400	38300	5471	518	32.2"
873	2/9/2018	10	7138	0	0	0.0			19056884	54484	5448	514	27.8"
874	2/14/2018	5	7138	0	0	0.0			19082812	25928	5186	489	29.5"
875	2/19/2018	5	7138	0	0	0.0			19110348	27536	5507	520	29.5"
876	2/26/2018	7	7138	0	0	0.0			19152625	42277	6040	570	28.4"
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			19563115	30464	4352	411	31.6"
888	5/22/2018	8	7138	0	0	0.0			19600835	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	8	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"

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
868	1/3/2018	5	42581	0	0	0			8447408	13122	2624	632	7.2"
869	1/8/2018	5	42581	0	0	0			8480116	12708	2542	612	25.3"
870	1/19/2018	11	42581	0	0	0			8502963	42847	3895	939	25.9"
871	1/23/2018	4	42581	0	0	0			8514485	11522	2881	694	17"
872	1/30/2018	7	42582	1	0	0			8544625	30140	4306	1038	23"
873	2/9/2018	10	42582	0	0	0			8579847	35222	3522	849	16.0"
874	2/14/2018	5	42582	0	0	0			8610530	30883	6137	1479	26.8"
875	2/19/2018	5	42582	0	0	0			8640256	29726	5945	1433	26.6"
876	2/26/2018	7	42582	0	0	0			8687943	47687	6812	1642	25.3"
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			8850029	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"

	TIME (days)	LMC-6 (Primary Flows)				LMC-7 (Primary Flows)				LMC-8 (Primary Flows)			
		TOTALIZER	GALLONS	LOW (gpd)	G/A/D	TOTALIZER	GALLONS	LOW (gpd)	G/A/D	TOTALIZER	GALLONS	LOW (gpd)	G/A/D
1/3/2018	5.00	1869825	1,485	297	19	4048541	1956	391	32	7,186,462	4177	835	144
1/8/2018	5.00	1871124	1,299	260	17	4050267	1726	345	28	7,190,792	4330	866	149
1/19/2018	11.00	1874259	3,135	285	18	4054038	3771	343	28	7,199,823	9031	821	142
1/23/2018	4.00	1875502	1,243	311	20	4055580	1542	386	32	7,203,167	3344	836	144
1/30/2018	7.00	1877933	2,431	347	22	4058577	2997	428	35	7,209,026	5859	837	144
2/8/2018	9.00	1880966	3,033	337	21	4062106	3529	392	32	7,216,708	7682	854	147
2/14/2018	6.00	1883308	2,342	390	25	4064578	2472	412	34	7,221,791	5083	847	146
2/19/2018	5.00	1885424	2,116	423	27	4067006	2428	486	40	7,226,192	4401	880	152
2/26/2018	7.00	1888948	3,524	503	32	4071862	4856	694	57	7,237,088	10896	1,557	268
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	7,302,367	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