



Homestake Mining Company of California

Thomas Wohlford  
Closure Manager

22 February 2018

40-8903

**ATTN: Document Control Desk**

Director, Office of Federal and State Materials and Environmental Management Programs  
U.S. Nuclear Regulatory Commission,  
Washington, DC 20555-0001

**ATTN: Mr. Jeffrey Whited**

Project Manager  
Materials Decommissioning Branch (Mail Stop: T-8F5)  
Decommissioning, Uranium Recovery & Waste Programs  
Office of Nuclear Materials Safety and Safeguards  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555-0001

**RE: Request for Amendment to License No. SUA-1471 to add Zeolite Water Treatment System, Homestake Mining Company of California, Grants Reclamation Project.**

Dear Sir:

In your personal communication to me on February 21, 2018, you indicated that an exhibit to the referenced request for license amendment was missing components to Exhibit C (zeolite treatment system Pilot Study Performance Data). In early internal drafts of this submittal, this exhibit was divided into two parts, C.1 for 300 gpm pilot system performance data and C.2 for 1,200 gpm pilot system performance data. However, in our final submittal, we consolidated these materials into a single Exhibit C. Please find attached a copy of that exhibit, which contains all the information that was contained in the draft Exhibits C.1 and C.2. We hope these materials are sufficient to allow NRC to complete review of our application.

Should you have any questions or comments regarding this issue or request, please contact me at [twohlford@homestakeminingcoca.com](mailto:twohlford@homestakeminingcoca.com) or (505) 290-2187.

Respectfully,

**Thomas Wohlford**

Closure Manager  
Homestake Mining Company of California  
Office: 505.287.4456 x34 | Cell: 505.290.2187

NM5520

Copy To:

M. McCarthy, Barrick, Salt Lake City, Utah (electronic copy)  
C. Burton, Barrick, San Francisco, California (electronic copy)  
G. Hoffman, Hydro-Engineering, Casper, Wyoming (electronic copy)  
R. Whicker, Environmental Restoration Group, Albuquerque, New Mexico (electronic copy)

## **EXHIBIT C**

### **Pilot Study Performance Data**

Homestake Mining Company  
 Zeolite Water Treatment System  
 Operational Data Summary

11/30/2017



Date	INFLUENT					EFFLUENT			
	300 GPM Zeolite (gallons)	300 gpm Influent (%)	1200 GPM Zeolite (gallons)	1200 gpm Influent (%)	Total Influent (gallons)	Treated (gallons)	Treated (%)	Regeneration (gallons)	Regen Waste (%)
<b>2016</b>									
January	0	0	0	0	0	0	0%	0	0%
February	3,340,800	100%	0	0	3,340,800	2,681,000	80%	659,800	20%
March	8,060,000	100%	0	0	8,060,000	8,060,000	100%	0	0%
April	367,900	100%	0	0	367,900	10,100	3%	357,800	97%
May	11,131,500	100%	0	0	11,131,500	11,131,500	100%	0	0%
June	3,867,300	100%	0	0	3,867,300	3,204,900	83%	662,400	17%
July	7,865,100	73%	2,976,000	27%	10,841,100	10,841,100	100%	0	0%
August	5,305,700	55%	4,308,840	45%	9,614,540	9,614,540	100%	0	0%
September	2,794,300	83%	579,000	17%	3,373,300	3,373,300	100%	0	0%
October	11,478,000	44%	14,429,000	56%	25,907,000	25,907,000	100%	0	0%
November	7,185,100	23%	24,642,200	77%	31,827,300	27,567,500	87%	4,259,800	13%
December	6,880,800	27%	18,608,200	73%	25,489,000	18,570,338	73%	6,918,662	27%
<b>2016 Total</b>	<b>68,276,500</b>		<b>65,543,240</b>		<b>133,819,740</b>	<b>120,961,278</b>	<b>90%</b>	<b>12,858,462</b>	<b>10%</b>
<b>2017</b>									
January	6,600,700	20%	26,135,800	80%	32,736,500	26,789,705	82%	5,946,795	18%
February	2,027,200	25%	6,088,300	75%	8,115,500	5,912,800	73%	2,202,700	27%
March	1,423,300	30%	3,289,800	70%	4,713,100	3,289,800	70%	1,423,300	30%
April	2,037,800	25%	6,193,200	75%	8,231,000	6,926,100	84%	1,304,900	16%
May	6,277,300	37%	10,843,100	63%	17,120,400	12,110,200	71%	5,010,200	29%
June	1,972,200	9%	19,544,600	91%	21,516,800	21,516,800	100%	0	0%
July	3,038,400	31%	6,896,400	69%	9,934,800	3,448,200	35%	6,486,600	65%
August	129,915	13%	909,400	87%	1,039,315	909,400	87%	129,915	13%
September	468,915	100%	0	0%	468,915	468,915	100%	0	0%
October	2,174,021	100%	0	0%	2,174,021	2,174,021	100%	0	0%
November	1,555,105	13%	10,625,600	87%	12,180,705	11,978,905	98%	201,800	2%
December	TBD		TBD		TBD	TBD		TBD	
<b>2017 Total</b>	<b>27,704,856</b>		<b>90,526,200</b>		<b>118,231,056</b>	<b>95,524,846</b>	<b>81%</b>	<b>22,706,210</b>	<b>19%</b>

**Total to Date**      **95,981,356**      **156,069,440**      **252,050,796**      **216,486,124**      **86%**      **35,564,672**      **14%**

300 gpm System Water Quality																				
Sample Point Name	Date	pH (f) (std. units)	CO3 (mg/l)	Ca (mg/l)	Cl (mg/l)	HCO3 (mg/l)	Mg (mg/l)	K (mg/l)	Na (mg/l)	SO4 (mg/l)	TDS (mg/l)	NO3 (mg/l)	Se (mg/l)	Mo (mg/l)	Unat (mg/l)	Ra226 (pCi/l)	Ra228 (pCi/l)	Ra226+ Ra228 (pCi/l)	Th230 (pCi/l)	V (mg/l)
Parameter Code		109	6	1	7	5	2	3	4	8	10	39	40	36	15	45	57	372	48	42
Site Standard Qal aquifer					250					1500	2734	12	0.32	0.1	0.16			5	0.3	0.02
300Z	2/20/2016	3.43	<5	209	187	<5	54.7	4.6	250	1120	1900	3.6	0.032	<0.03	0.351	0.72	0.4	1.12	0.09	<0.01
	2/21/2016	3.44	<5	209	186	<5	55.1	4.7	250	1100	1890	3.7	0.036	0.03	0.358	0.24	0.3	0.54	0.1	<0.01
	2/23/2016	3.49	<5	196	178	<5	54.8	4.2	238	1040	1780	3.6	0.026	<0.03	0.271	0.37	0.5	0.87	0.09	<0.01
	2/25/2016	3.63	<5	167	172	<5	53.3	4.2	225	928	1660	3.2	0.028	<0.03	0.225	9.7	1.1	10.80	0.05	<0.01
	3/1/2016		<5		160	16				887	1590	2.7	0.03	0.07	0.0492	0.55	0.04	0.59	0.03	<0.01
	3/9/2016	6.48	<5	183	153	78	53.7	4.2	216	848	1610	2.5	0.033	0.06	0.0358	0.4	0.2	0.60	0.05	<0.01
	3/16/2016	6.75	<5	184	155	111	54.3	4.5	220	874	1620	2.4	0.032	0.04	0.0419	0.62	0.4	1.02	0.08	<0.01
	3/22/2016	6.74	<5	208	153	96	54.4	5.8	220	867	1610	2.4	0.03	0.04	0.0516	0.33	1	1.33	0.01	<0.01
	4/26/2016	6.83	<5	240	177	62	69	5.5	279	1210	2180	2.6	0.039	0.12	0.047	0.73	0.5	1.23	0.02	<0.01
	4/27/2016	5.89	<5	181	154	33	51.6	4.9	227	881	1710	2.5	0.035	<0.03	0.0464	0.27	0.7	0.97	-0.01	<0.01
	5/2/2016	6.19	<5	178	150	39	51.9	4.6	216	860	1590	2.6	0.031	0.05	0.0445	0.29	0.1	0.39	0.2	<0.01
	5/6/2016	6.71	<5	180	144	59	53	5	219	831	1600	2.4	0.038	0.06	0.037	0.22	1.6	1.82	0.02	<0.01
	5/11/2016	6.56	<5	187	152	90	54.4	5	215	877	1660	2.3	0.037	0.06	0.0474	0.16	1.6	1.76	0.0007	<0.01
	5/18/2016	6.83	<5	221	148	94	55.4	6.4	209	849	1740	2.8	0.039	0.04	0.0856	0.29	1	1.29	0.04	<0.01
	5/23/2016	6.82	<5	217	150	102	61	5.8	248	873	1780	2.5	0.042	0.03	0.127	0.31	0.7	1.01	0.06	<0.01
	6/10/2016	6.19	<5	324	183	29	81.3	8.5	312	1520	2680	2.8	0.04	0.04	0.222	0.47	1.2	1.67	-0.003	<0.01
	6/25/2016	5.23	<5	152	139	7	41.1	6	193	683	1470	2.4	0.029	<0.03	0.156	0.3	1.5	1.80	0.07	<0.01
	6/27/2016	6.39	<5	156	134	65	42	5.8	189	655	1470	2.3	0.028	0.05	0.111	0.27	-0.4	-0.13	0.02	<0.01
300Z	7/6/2016		<5	186	148	52	50.7	6.1	219	840.00	1740.00	2.6	0.037	<0.03	0.0648	0.24	0.6	0.84	0.02	<0.01
	7/13/2016		<5	201	171	61	56.3	6.3	228	1010.00	1820.00	2.9	0.038	<0.03	0.0916	0.34	1.3	1.64	0.03	<0.01
	7/18/2016		<5	218	160	59	60.2	6.7	238	1150.00	1820.00	2.8	0.038	<0.03	0.112	2.4	2	4.4	0.1	<0.01
	8/2/2016		<5	188	174	207	54	7	250	794.00	1680.00	2.4	0.039	0.13	0.447	0.2	0.1	0.3	0.002	<0.01
	8/17/2016		<5	206	178	86	55	6.8	221	934.00	1870.00	2.4	0.046	0.05	0.277	0.41	0.9	1.31	0.2	<0.01
	9/23/2016		<5	226	201	<5	60.2	6.6	250	1210.00	1990.00	2.9	0.044	<0.03	0.0837	0.42	3.1	3.52	0.06	<0.01
	9/28/2016		<5	208	186	9	61.3	5.9	248	1150.00	2000.00	2.8	0.038	<0.03	0.0648	0.11	1.4	1.51	0.02	<0.01
	10/3/2016		<5	215	181	19	59.2	6.5	244	1100.00	1920.00	2.8	0.038	0.03	0.0407	0.34	0.2	0.54	0.09	<0.01
	10/10/2016		<5	217	175	43	60.9	6.5	259	1050.00	1910.00	2.8	0.037	<0.03	0.0459	0.57	2.3	2.87	0.07	<0.01
	10/20/2016		<5	232	184	63	63.9	5.9	249	1100.00	1950.00	2.9	0.043	<0.03	0.0354	0.4	3.8	4.2	0.04	<0.01
	10/25/2016		<5	223	170	56	62	6.1	251	1050.00	1950.00	3	0.038	<0.03	0.0409	0.29	1.3	1.59	0.05	<0.01
	11/1/2016		<5	221	161	54	61.2	5.2	248	1030.00	1880.00	2.8	0.038	<0.03	0.036	0.08	1.3	1.38	0.04	<0.01
	11/8/2016		<5	207	159	48	57.3	5.6	234	988.00	1830.00	2.6	0.035	<0.03	0.0409	0.11	0.6	0.71	0.2	<0.01
	11/14/2016		<5	229	154	84	63.4	6.1	228	974.00	1930.00	2.5	0.042	0.03	0.105	0.32	4.1	4.42	0.03	<0.01
	12/6/2016		<5	198	146	76	54.4	5.2	232	953.00	1850.00	2.6	0.028	<0.03	0.142	0.1	-2	-1.9	0.02	<0.01
12/12/2016		<5	218	166	63	58.7	5.4	251	986.00	1840.00	2.3	0.032	<0.03	0.121	0.19	-2	-1.81	0.06	<0.01	
12/19/2016		<5	247	190	46	65.9	5.6	267	1180.00	2030.00	2.5	0.036	<0.03	0.0833	1.1	-0.3	0.8	0.04	<0.01	
12/27/2016		<5	249	173	46	68.5	6.1	282	1070.00	2000.00	2.6	0.036	<0.03	0.102	1.3	0.02	1.32	0.1	<0.01	
300Z	1/5/2017	6.18	<5	189	156	63	45.3	10.4	298	1040.00	1790.00	2.4	0.038	<0.03	0.0488	0.16	1.6	1.76	0.1	<0.01
	1/9/2017	6.11	<5	219	172	39	60.1	5.6	255	1070.00	1880.00	2.5	0.037	<0.03	0.136	0.3	0.7	1	0.1	<0.01
	1/23/2017	6.35	<5	239	176	16	66.7	5.2	241	1170.00	2040.00	2.8	0.043	<0.03	0.0682	0.07	0.6	0.67	0.1	<0.01
	3/15/2017	3.85	<5	232	196	<5	67.2	6.8	284	1380.00	2050.00	2.8	0.037	<0.03	0.249	0.41	0.6	1.01	0.2	<0.01
	3/20/2017	4.6	<5	221	182	<5	62.6	6.5	286	1170.00	2000.00	3.1	0.042	<0.03	0.0926	0.25	1.2	1.45	0.1	<0.01
	4/8/2017	5.02	<5	232	171	<5	66	6.6	290	1170.00	2070.00	2.9	0.036	<0.03	0.0743	0.58	-1	-0.42	0.1	<0.01
	4/12/2017	4.67	<5	230	172	<5	64	6	278	1140.00	2020.00		0.038	<0.03	0.108					
	5/15/2017	3.5	<5	212	185	<5	58.2	6.5	229	1120.00	1890.00	2.9	0.042	<0.03	0.132	6.4	0.06	6.46	0.1	<0.01
	5/22/2017	3.98	<5	210	177	<5	62.2	7.2	266	1070.00	1980.00	2.8	0.037	<0.03	0.0762	0.2	-2	-1.8	0.04	<0.01
	6/15/2017	4.05	<5	235	190	<5	63.1	9.8	285	1260.00	2250.00	2.6	0.042	<0.03	0.113	0.3	-0.6	-0.3	0.04	<0.01
	7/17/2017		<5	204	166	<5	53.7	8.1	258	973	1860	3	0.041	<0.03	0.129	0.3	0.5	0.80	0.06	<0.01
	7/24/2017	4.08	<5	178	153	<5	50.6	8.1	249	921	1820	2.3	0.036	<0.03	0.0714	0.3	2.4	2.70	0.1	<0.01
	8/31/2017	4.83	<5	202	169	<5	54	8	238	915	1870	2.6	0.031	<0.03	0.059	0.2	2.6	2.80	0.005	<0.01
10/26/2017		<5	249	181	30.00	67.6	6.5	263	1110	2030	3.4	0.045	0.05	0.05	0.1	-1	-0.90	0.02	<0.01	
10/31/2017		<5	230	172	30.00	62.2	6.5	251	1080	2010	3.2	0.042	0.03	0.0559	0.2	0.8	1.00	0.04	<0.01	

1200 gpm System Water Quality

Sample Point Name	Date	pH (f) (std. units)	CO3 (mg/l)	Ca (mg/l)	Cl (mg/l)	HCO3 (mg/l)	Mg (mg/l)	K (mg/l)	Na (mg/l)	SO4 (mg/l)	TDS (mg/l)	NO3 (mg/l)	Se (mg/l)	Mo (mg/l)	Unat (mg/l)	Ra226 (pCi/l)	Ra228 (pCi/l)	Ra226+Ra228 (pCi/l)	Th230 (pCi/l)	V (mg/l)
Parameter Code		109	6	1	7	5	2	3	4	8	10	39	40	36	15	45	57	372	48	42
Site Standard Qal aquifer					250					1500	2734	12	0.32	0.1	0.16			5	0.3	0.02

Zeolite Treated Water

Zeolite Treated Water

1200Z Trains 1&2	8/2/2016		<5	447	182	223	50.1	12	96.9	1070	2090	0.4	0.042	<0.03	0.297	0.71	0.8	1.51	0.008	<0.01
	8/3/2016		<5	454	164	342	50	14.7	138	976	2200	2.2	0.038	<0.03	0.124	0.33	0.3	0.63	-0.001	0.01
	10/20/2016		<5	373	165	149	34.2	12.8	177	1190	2110	2.4	0.032	<0.03	0.0263	0.23	2.1	2.33	0.04	<0.01
	10/25/2016		<5	255	170	138	34.3	16	263	1050	1920	2.6	0.033	<0.03	0.0131	0.41	-0.3	0.11	0.03	<0.01
	11/1/2016		<5	209	159	113	43	12.8	287	1000	1830	2.8	0.035	<0.03	0.0098	0.31	-1	-0.69	0.1	<0.01
	11/8/2016		<5	192	157	107	41.3	12.3	297	977	1870	2.6	0.038	<0.03	0.0253	0.25	0.7	0.95	0.2	<0.01
	11/9/2016		<5	886	165	201	111	18.1	296	2810	4510	1.4	0.032	<0.03	0.0326	0.45	0.7	1.15	0.05	<0.01
	11/14/2016		<5	205	141	122	47	12.1	263	957	1910	2.4	0.036	<0.03	0.045	0.26	5.2	5.46	0.2	<0.01
	11/22/2016		<5	194	161	90	43.4	10.7	324	1020	1880	2.6	0.037	<0.03	0.0361	0.12	-0.8	-0.68	0.1	<0.01
	11/30/2016		<5	186	148	34	43.1	10.3	317	970	1840	2.6	0.036	<0.03	0.0775	0.49	1.1	1.59	0.04	<0.01
	12/7/2016		<5	175	161	54	42.8	9.7	310	973	1750	2.2	0.037	<0.03	0.105	0.27	-0.6	-0.33	0.05	<0.01
	12/12/2016		<5	184	142	76	44.8	9.1	295	980	1800	2.2	0.033	<0.03	0.121	0.23	-3	-2.77	0.02	<0.01
1200Z Trains 1&2	1/16/2017	4.2	<5	184	168	<5	50.9	8.4	260	1090	1800	2.3	0.038	<0.03	0.0914	0.3	-0.2	0.1	0.1	<0.01
	1/16/2017	4.71	<5	174	161	<5	46.1	8	273	1070	1780	2.2	0.039	<0.03	0.0942	0.23	0.1	0.33	0.2	<0.01
	1/23/2017	5.35	<5	190	169	6	51.1	8.6	276	1100	1850	2.7	0.035	<0.03	0.0266	0.14	0.7	0.84	0.04	<0.01
	1/31/2017	5.69	<5	191	167	34	51	8.9	291	1100	1900	2.6	0.037	<0.03	0.0264	0.1	3.8	3.9	0.02	<0.01
	2/7/2017	5.76	<5	191	162	29	50.2	8.8	304	1060	1820	2.3	0.037	<0.03	0.0237	0.18	3.3	3.48	0.2	<0.01
	3/23/2017	5.84	<5	226	173	20	56.3	8.9	301	1250	2160	2.7	0.036	<0.03	0.0251	0.55	0.7	1.25	0.07	<0.01
	3/27/2017	5.67	<5	189	162	31	48.2	8.4	282	1060	1850	2.7	0.038	<0.03	0.0167	0.11	4.8	4.91	-0.001	<0.01
	4/6/2017	6.56	<5	192	166	41	49.1	8.4	279	1100	1870	2.6	0.047	<0.03	0.0207	0.72	0.9	1.62	0.05	<0.01
	4/20/2017	5.21	<5	209	172	21	51.3	9	286	1130	2020	2	0.038	<0.03	0.0043	0.61	0.6	1.21	0.06	<0.01
	4/24/2017	5.37	<5	191	168	27	50.4	8.3	263	1000	1900	2.4	0.034	<0.03	0.0179	0.2	0.2	0.4	-0.06	<0.01
	6/6/2017	5.1	<5	222	184	36	61.6	9.7	297	1230	2110	2.8	0.046	<0.03	0.0182	0.2	1.9	2.1	0.08	<0.01
	6/14/2017	5.54	<5	201	162	28	55.4	9	292	1000	1780	2.5	0.035	<0.03	0.0266	0.2	0.8	1	0.3	<0.01
6/28/2017	5.76	<5	171	162	32	46.3	9.4	319	1030	1750	2.3	0.038	<0.03	0.101	0.2	0.4	0.6	0.06	<0.01	

Sample Point Name	Date	pH (f) (std. units)	CO3 (mg/l)	Ca (mg/l)	Cl (mg/l)	HCO3 (mg/l)	Mg (mg/l)	K (mg/l)	Na (mg/l)	SO4 (mg/l)	TDS (mg/l)	NO3 (mg/l)	Se (mg/l)	Mo (mg/l)	Unat (mg/l)	Ra226 (pCi/l)	Ra228 (pCi/l)	Ra226+Ra228 (pCi/l)	Th230 (pCi/l)	V (mg/l)
Parameter Code		109	6	1	7	5	2	3	4	8	10	39	40	36	15	45	57	372	48	42
Site Standard Qal aquifer					250					1500	2734	12	0.32	0.1	0.16			5	0.3	0.02

1200Z Trains 3&4	8/2/2016		<5	483	182	327	50.8	12	93.1	1080	2160	1.6	0.036	<0.03	0.89	0.23	0.1	0.33	0.02	0.01
	8/3/2016		<5	455	158	354	47.1	15.5	141	1130	2180	2.3	0.039	<0.03	0.066	0.26	3.6	3.86	0.1	<0.01
	10/19/2016		<5	347	167	157	40.9	13.1	213	1160	2090	2.4	0.03	<0.03	0.0066	0.23	1.6	1.83	0.05	<0.01
	10/25/2016		<5	236	169	136	37.5	13.3	273	1040	1900	2.6	0.036	<0.03	0.0121	0.24	0.6	0.84	6E-05	<0.01
	11/4/2016		<5	220	152	108	43.5	11.3	273	986	1890	2.6	0.035	<0.03	0.0227	0.2	-0.09	0.11	0.06	<0.01
	11/8/2016		<5	192	157	107	40.2	11.2	294	972	1860	2.6	0.039	<0.03	0.041	0.09	0.2	0.29	0.06	<0.01
	11/11/2016		<5	608	152	120	82.3	15.2	280	1920	3330	2.4	0.033	<0.03	0.0606	0.58	-0.04	0.54	0.03	<0.01
	11/14/2016		<5	231	137	76	39.2	11.6	242	967	1960	2.3	0.046	<0.03	0.0384	0.39	3.9	4.29	0.09	<0.01
	12/16/2016		<5	218	134	107	37.4	10.8	267	908	1840	2.3	0.036	<0.03	0.0215	3.3	1.3	4.6	0.2	<0.01
	12/19/2016		<5	221	134	109	38.3	10.8	270	909	1840	2.3	0.035	<0.03	0.018	1.5	-4	-2.5	0.1	<0.01
	12/27/2016		<5	215	148	89	47.2	11.6	312	988	1870	2.5	0.036	<0.03	0.0099	0.69	0.4	1.09	0.03	<0.01
	1200Z Trains 3&4	1/5/2017	6.18	<5	222	175	28	61.1	5.7	258	1090	1890	2.5	0.038	<0.03	0.108	0.71	0.2	0.91	0.1
1/9/2017		6.03	<5	184	153	68	44.8	10.3	301	1020	1810	2.2	0.038	<0.03	0.0814	0.15	1.5	1.65	0.1	<0.01
1/16/2017		6.08	<5	182	152	62	44.5	9.6	294	1000	1760	2.2	0.037	<0.03	0.0799	0.18	0.02	0.2	0.05	<0.01
1/23/2017		6.13	<5	177	159	43	45.4	9.6	303	1080	1850	2.6	0.04	<0.03	0.0756	0.12	0.9	1.02	0.1	<0.01
1/31/2017		5.85	<5	169	155	48	42.5	9.4	317	1070	1850	2.6	0.039	<0.03	0.113	0.16	3.5	3.66	0.06	<0.01
4/9/2017		5.21	<5	221	167	<5	44	8.2	264	1240	1980	2.4	0.041	<0.03	0.131	1.3	0.3	1.6	0.04	<0.01
4/12/2017		4.97	<5	184	161	<5	42	9	295	1100	1820		0.038	<0.03	0.083					
5/15/2017		4.24	<5	169	163	<5	51.7	8.3	257	1000	1760	2.7	0.038	<0.03	0.0362	2.7	2.8	5.5	0.05	<0.01
5/22/2017		4.51	<5	175	164	<5	42.9	9.7	308	1060	1920	2.5	0.038	<0.03	0.0468	0.1	-2	-1.9	-0.02	<0.01
6/1/2017		5.29	<5	194	175	29	52.8	10	320	1150	1930	2.5	0.043	<0.03	0.0193	0.3	2.9	3.2	0.05	<0.01
6/6/2017		5.46	<5	174	162	30	45.6	9.4	292	1050	1840	2.4	0.047	<0.03	0.0203	0.4	1.9	2.3	0.02	<0.01
6/14/2017		5.5	<5	174	159	31	41	9.9	325	1010	1820	2.4	0.038	<0.03	0.022	0.1	1.9	2	0.06	<0.01
6/28/2017	5.78	<5	171	144	20	46.4	9.8	319	955	1830	2.4	0.038	<0.03	0.0537	0.1	0.6	0.7	0.09	<0.01	