

ALLEGANY COUNTY DEPARTMENT OF PUBLIC WORKS - UTILITIES DIVISION
BRADDOCK RUN COMBINED SEWER OVERFLOWS - Monthly Report
State Discharge Permit 95-DP-3144, NPDES Permit MD006707

Month: April Year: 2019

General							Outfall 001		Outfall 002		Outfall 003		Sample Pt Upstream of Overflow						Sample Pt at Overflow						Sample Pt Downstream of Overflow						Comments
Date	Day of Week	Precipitation (In)	Sampler (Int)	Sample Time (HR:MN)	Observed MH 13A (Y or N)	Adjusted Baffle (Y or N)	Occurrence # (#, NF or P)	Estimated Flow (gallons)	Occurrence # (#, NF or P)	Estimated Flow (gallons)	Occurrence # (#, NF or P)	Estimated Flow (gallons)	Ammonia -N (mg/l)	BOD5 (mg/l)	Total Sus. Solids (mg/l)	Phosphorus (mg/l)	Total Nitrogen (mg/l)	E Coli (MPN/100ML)	Ammonia -N (mg/l)	BOD5 (mg/l)	Total Sus. Solids (mg/l)	Phosphorus (mg/l)	Total Nitrogen (mg/l)	E Coli (MPN/100ML)	Ammonia -N (mg/l)	BOD5 (mg/l)	Total Sus. Solids (mg/l)	Phosphorus (mg/l)	Total Nitrogen (mg/l)	E Coli (MPN/100ML)	
1	Mon		FW	7:50	N	N	NF		NF		NF							138						144						250	
2	Tue				N	N	NF		NF		NF																				
3	Wed				Y	N	NF		NF		NF																				
4	Thu	0.2			Y	N	NF		NF		NF																				
5	Fri	0.2			Y	Y	NF		NF		NF																				
6	Sat	0.2			N	N	NF		NF		NF																				
7	Sun	0.2			N	N	NF		NF		NF																				
8	Mon		FW	7:40	Y	Y	NF		11	3,000	4	121,000					411							1,986					2,420	CSO due to rain	
9	Tue				Y	N	NF		NF		NF																				
10	Wed				Y	N	NF		NF		NF																				
11	Thu				N	N	NF		NF		NF																				
12	Fri	0.6			Y	Y	NF		NF		NF																				
13	Sat				N	N	NF		NF		5	157,000																			CSO due to rain
14	Sun	0.7			Y	N	NF		NF		NF																				
15	Mon		FW	7:35	Y	Y	NF		12	2,000	NF						2,420							2,420					2,420	CSO due to rain	
16	Tue				Y	N	NF		12	59,000	NF																				CSO due to rain
17	Wed				N	N	NF		NF		NF																				
18	Thu				Y	N	NF		NF		NF																				
19	Fri	0.7			Y	Y	NF		NF		NF																				
20	Sat				N	N	4	11,000	13	207,000	6	741,000																			CSO due to rain
21	Sun				Y	N	4	2,000	13	258,000	6	328,000																			CSO due to rain
22	Mon		FW	7:45	N	N	NF		NF		NF						67							2,420					1,986		
23	Tue				N	N	NF		NF		NF																				
24	Wed				N	N	NF		NF		NF																				
25	Thu	0.3			Y	Y	NF		NF		NF																				
26	Fri	0.3			Y	Y	NF		NF		NF																				
27	Sat	0.1			N	N	NF		14	59,000	NF																				CSO due to rain
28	Sun				N	N	NF		NF		NF																				
29	Mon				Y	Y	NF		NF		NF																				
30	Tue				Y	N	NF		NF		NF																				
Total		3.5						13,000		588,000		1,347,000																			
Average		0.12						433		19,600		44,900																			

Comments: _____

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2. Observed MH 13A (Y or N) - Manhole 13A is observed to regulate the baffle, it shall be observed a minimum of one (1) time a day during wet weather and a minimum of one (1) time a week during dry weather (Y - Yes, N - No)
3. Adjusted Baffle (Y or N) - Baffle is adjusted to maximize flow to the pumping station and to prevent hydraulic backup of customers' services and will be adjusted according to the observed manhole.
4. Samples will not be taken on Fridays, weekends, after 1:00 PM, observed holidays or the day prior to an observed holiday. Otherwise, samples will be taken per each occurrence. Additional sample(s) of an occurrence will be taken if the occurrence lasts longer than one (1) week and is still flowing on the next regular work day (i.e.. Monday or Tuesday, which ever is not an observed holiday).

ALLEGANY COUNTY DEPARTMENT OF PUBLIC WORKS - UTILITIES DIVISION
BRADDOCK RUN COMBINED SEWER OVERFLOWS - Monthly Report
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Month: March Year: 2019

General							Outfall 001		Outfall 002		Outfall 003		Sample Pt Upstream of Overflow						Sample Pt at Overflow						Sample Pt Downstream of Overflow						Comments					
Date	Day of Week	Precipitation (in)	Sampler (Int)	Sample Time (HR:MN)	Observed MH 13A (Y or N)	Adjusted Baffle (Y or N)	Occurrence # (#, NF or P)	Estimated Flow (gallons)	Occurrence # (#, NF or P)	Estimated Flow (gallons)	Occurrence # (#, NF or P)	Estimated Flow (gallons)	Ammonia -N (mg/l)	BOD5 (mg/l)	Total Sus. Solids (mg/l)	Phosphorus (mg/l)	Total Nitrogen (mg/l)	E. Coli (MPN/100ML)	Ammonia -N (mg/l)	BOD5 (mg/l)	Total Sus. Solids (mg/l)	Phosphorus (mg/l)	Total Nitrogen (mg/l)	E. Coli (MPN/100ML)	Ammonia -N (mg/l)	BOD5 (mg/l)	Total Sus. Solids (mg/l)	Phosphorus (mg/l)	Total Nitrogen (mg/l)	E. Coli (MPN/100ML)						
1	Fri				Y	N	NF		7	9,000	NF																						CSO due to rain & snow melt			
2	Sat				Y	Y	NF		NF		NF																									
3	Sun				N	N	NF		8	79,000	NF																							3" snow		
4	Mon		FW	8:25	Y	Y	NF		NF		NF							727						816												
5	Tue				Y	N	NF		NF		NF																									
6	Wed				Y	N	NF		NF		NF																									
7	Thu				N	N	NF		NF		NF																									
8	Fri	0.5			Y	N	NF		NF		NF																									
9	Sat				Y	Y	NF		NF		NF																									
10	Sun				Y	Y	3	226,000	9	2,000	3	5,000																						CSO due to snow melt		
11	Mon		FW	8:25	Y	Y	NF		9	866,000	3	3,000						159						2,120										CSO due to snow melt		
12	Tue				Y	N	NF		9	574,000	NF																								CSO due to snow melt	
13	Wed				Y	Y	NF		9	283,000	NF																								CSO due to snow melt	
14	Thu				Y	N	NF		9	72,000	NF																								CSO due to snow melt	
15	Fri				Y	N	NF		9	72,000	NF																								CSO due to snow melt	
16	Sat				N	N	NF		9	55,000	NF																								CSO due to snow melt	
17	Sun				N	N	NF		NF		NF																									
18	Mon		FW	7:35	Y	N	NF		NF		NF							141						488											613	
19	Tue				Y	N	NF		NF		NF																									
20	Wed				Y	N	NF		NF		NF																									
21	Thu	0.4			Y	Y	NF		NF		NF																									
22	Fri	0.1			Y	N	NF		10	17,000	NF																								CSO due to rain	
23	Sat				N	N	NF		NF		NF																									
24	Sun				N	N	NF		NF		NF																									
25	Mon	0.4	FW	8:00	Y	Y	NF		NF		NF							1,120						1,203											1,046	
26	Tue				Y	Y	NF		NF		NF																									
27	Wed				Y	N	NF		NF		NF																									
28	Thu				Y	N	NF		NF		NF																									
29	Fri				Y	Y	NF		NF		NF																									
30	Sat				N	N	NF		NF		NF																									
31	Sun				N	N	NF		NF		NF																									
Total		1.4						226,000		2,029,000		8,000																								
Average		0.05						7,290		65,452		258																								

Comments: Overflow continued from February

- Note 1. Occurrence # (#, NF or P) - An occurrence is from the time the flow from the CSO begins to the time the flow stops (i.e., uninterrupted discharge). Occurrence #s will be cumulative and reset every year (# - occurrence number, NF - No Flow, P - Plugged)
2. Observed MH 13A (Y or N) - Manhole 13A is observed to regulate the baffle, it shall be observed a minimum of one (1) time a day during wet weather and a minimum of one (1) time a week during dry weather (Y - Yes, N - No)
3. Adjusted Baffle (Y or N) - Baffle is adjusted to maximize flow to the pumping station and to prevent hydraulic backup of customers' services and will be adjusted according to the observed manhole.
4. Samples will not be taken on Fridays, weekends, after 1:00 PM, observed holidays or the day prior to an observed holiday. Otherwise, samples will be taken per each occurrence. Additional sample(s) of an occurrence will be taken if the occurrence lasts longer than one (1) week and is still flowing on the next regular work day (i.e., Monday or Tuesday, which ever is not an observed holiday).

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Month: February Year: 2019

General							Outfall 001		Outfall 002		Outfall 003		Sample Pt Upstream of Overflow						Sample Pt at Overflow						Sample Pt Downstream of Overflow						Comments	
Date	Day of Week	Precipitation (in)	Sampler (Int)	Sample Time (HR:MN)	Observed MH 13A (Y or N)	Adjusted Baffle (Y or N)	Occurrence # (#, NF or P)	Estimated Flow (gallons)	Occurrence # (#, NF or P)	Estimated Flow (gallons)	Occurrence # (#, NF or P)	Estimated Flow (gallons)	Ammonia-N (mg/l)	BOD5 (mg/l)	Total Sus. Solids (mg/l)	Phosphorus (mg/l)	Total Nitrogen (mg/l)	E. Coli (MPN/100ML)	Ammonia-N (mg/l)	BOD5 (mg/l)	Total Sus. Solids (mg/l)	Phosphorus (mg/l)	Total Nitrogen (mg/l)	E. Coli (MPN/100ML)	Ammonia-N (mg/l)	BOD5 (mg/l)	Total Sus. Solids (mg/l)	Phosphorus (mg/l)	Total Nitrogen (mg/l)	E. Coli (MPN/100ML)		
1	Fri				N	N	NF		NF		NF																				6" snow	
2	Sat				N	N	NF		NF		NF																					
3	Sun				N	N	NF		NF		NF																					
4	Mon		FW	7:35	Y	N	1	20,000	6	30,000	NF							7						7						7	CSO due to rain & snow melt	
5	Tue	0.1			Y	Y	1		6	213,000	NF																				CSO due to rain & snow melt	
6	Wed	0.7			Y	Y	1	17,000	6	263,000	NF																				CSO due to rain & snow melt	
7	Thu	0.6			Y	Y	1		6	371,000	NF																				CSO due to rain & snow melt	
8	Fri				Y	Y	1	85,000	6	322,000	1	1,614,000																			CSO due to rain & snow melt	
9	Sat				N	N	NF		6	872,000	1	2,044,000																			CSO due to rain & snow melt	
10	Sun				N	N	NF		6	207,000	NF																				CSO due to rain & snow melt, 2" snow	
11	Mon	0.1	FW	7:35	Y	Y	NF		6	9,000	NF							1,414						1,046					1,414	CSO due to rain & snow melt		
12	Tue				Y	N	NF		6	80,000	NF																				CSO due to rain & snow melt, 2" snow	
13	Wed				Y	N	NF		6	223,000	2	1,000																			CSO due to rain & snow melt	
14	Thu				Y	Y	NF		6	115,000	NF																				CSO due to rain & snow melt	
15	Fri				Y	Y	NF		6	0	NF																				CSO due to rain & snow melt	
16	Sat				N	N	NF		6	367,000	NF																				CSO due to rain & snow melt	
17	Sun	0.1			N	N	NF		6	152,000	NF																				CSO due to rain & snow melt	
18	Mon		FW	7:30	Y	Y	NF		6	45,000	NF							229						159					89	CSO due to rain & snow melt		
19	Tue				Y	N	NF		NF		NF																				2" snow	
20	Wed				Y	N	NF		NF		NF																				6" snow	
21	Thu				Y	Y	NF		NF		NF																					
22	Fri				Y	N	NF		7	360,000	NF																				CSO due to rain & snow melt	
23	Sat				Y	N	NF		7	122,000	NF																				CSO due to rain & snow melt	
24	Sun	0.4			Y	Y	2	85,000	7	63,000	NF																				CSO due to rain & snow melt	
25	Mon				Y	Y	NF		7	899,000	NF																				CSO due to rain & snow melt	
26	Tue				Y	N	NF		7	441,000	NF																				CSO due to rain & snow melt	
27	Wed				Y	N	NF		7	177,000	NF																				CSO due to rain & snow melt	
28	Thu				N	N	NF		7	84,000	NF																				CSO due to rain & snow melt, 2" snow	
Total		2.0						207,000		5,415,000		3,659,000																				
Average		0.07						7,393		193,393		130,679																				

Comments: Overflow continues into March

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Month: January Year: 2019

General							Outfall 001		Outfall 002		Outfall 003		Sample Pt Upstream of Overflow						Sample Pt at Overflow						Sample Pt Downstream of Overflow						Comments			
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1	Tue				N	N	NF		1	139,000	NF																						CSO due to rain	
2	Wed				Y	Y	NF		NF		NF																							
3	Thu				Y	N	NF		NF		NF																							
4	Fri	0.3			Y	N	NF		NF		NF																							
5	Sat	0.4			Y	Y	NF		NF		NF																							
6	Sun				Y	Y	NF		2	424,000	NF																						CSO due to rain	
7	Mon		FW	7:35	Y	Y	NF		2	58,000	NF							46							1,120					579		CSO due to rain		
8	Tue	0.3			Y	Y	NF		NF		NF																							
9	Wed				Y	Y	NF		3	95,000	NF																						CSO due to rain, 2" snow	
10	Thu				N	N	NF		NF		NF																							
11	Fri				Y	N	NF		NF		NF																							
12	Sat				N	N	NF		NF		NF																						5" snow	
13	Sun				N	N	NF		NF		NF																							
14	Mon		FW	7:55	N	N	NF		NF		NF							33							192						144			
15	Tue				Y	N	NF		NF		NF																							
16	Wed				Y	N	NF		NF		NF																							
17	Thu				Y	N	NF		NF		NF																						1" snow	
18	Fri				Y	N	NF		NF		NF																							
19	Sat				N	N	NF		NF		NF																						4" snow	
20	Sun				N	N	NF		NF		NF																							
21	Mon				N	N	NF		4	138,000	NF																						CSO due to rain	
22	Tue				N	N	NF		NF		NF																							
23	Wed	1.0			Y	Y	NF		NF		NF																							
24	Thu	0.1	FW	7:25	Y	Y	NF		5	247,000	NF		0.1	3	24	0.06	1.9	2,420	0.67	8.1	42	0.29	2.9	2,420	0.67	7	121	0.28	2.3	2,420		CSO due to rain		
25	Fri				Y	Y	NF		5	687,000	NF																						CSO due to rain	
26	Sat				N	N	NF		5	70,000	NF																						CSO due to rain	
27	Sun				N	N	NF		NF		NF																							
28	Mon		FW	7:45	Y	N	NF		NF		NF							2,420							2,420									
29	Tue				Y	N	NF		NF		NF																							
30	Wed				N	N	NF		NF		NF																							
31	Thu				N	N	NF		NF		NF																							
Total		2.1						0		1,858,000		0																						
Average		0.07						0		59,935		0																						

Comments:

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