

2018 Stormwater Sample Data at 4PP-outfall

Station	Sample Start	Sample Reason	Sample Type	Air	Water	Conductivity (µS/cm)	Dissolved	Salinity (ppt)	Specific	Transparency (cm)	Alkalinity (mg/L)	Ammonia	Carbonaceous	
				Temperature (°F)	Temperature (°C)		Oxygen (mg/L)		pH			Conductivity (µS/cm)	Nitrogen (mg/L)	Biological Oxygen Demand 5-day (mg/L)
4PP-outfall	01/08/2018 11:40	Base	Grab	30	9.3	1225.0	10.58	8.1	0.89	1749.0	52	276	~ 0.03	1.4
4PP-outfall	01/30/2018 12:15	Base	Grab	8	7.8	857.0	10.93	8.2	0.64	1275.0	27	261	0.05	1.1
4PP-outfall	02/13/2018 12:15	Base	Grab	20	8.5	904.0	11.93	8.4	0.66	1321.0	100	277	0.07	1.1
4PP-outfall	02/22/2018 12:40	Base	Grab	20	8.6	897.0	11.35	8.1	0.66	1305.0	65	263	0.08	1.0
4PP-outfall	03/08/2018 11:25	Base	Grab	25	8.8	993.0	11.01	7.8	0.72	1437.0	71	270	0.24	0.9
4PP-outfall	04/02/2018 11:20	Base	Grab	30	8.7	1121.0	11.28	7.7	0.83	1629.0	> 100	288	0.10	0.9
4PP-outfall	04/12/2018 10:45	E Coli	Grab	40	9.8	1008.0	10.87	7.5	0.72	1419.0	> 100			
4PP-outfall	05/24/2018 11:05	E Coli	Grab	83	17.9	1512.0	9.97	7.8	0.89	1748.0	> 100			
4PP-outfall	08/09/2018 10:50	E Coli	Grab	82	15.8	1240.0	9.53	7.9	0.76	1505.0	> 100			
4PP-outfall	08/10/2018 11:20	Base	Grab	80	15.4	1254.0	9.62	7.9	0.78	1533.0	> 100	289	~ 0.06	1.3
4PP-outfall	08/23/2018 11:05	E Coli	Grab	74	15.2	1156.0	9.75	7.9	0.72	1423.0	> 100			
4PP-outfall	08/30/2018 11:45	Base	Grab	65	14.7	1144.0	9.77	7.8	0.72	1423.0	> 100	286	0.06	1.1
4PP-outfall	09/10/2018 11:00	Base	Grab	66	14.2	1125.0	9.99	7.6	0.72	1418.0	> 100	295	0.09	1.0
4PP-outfall	09/12/2018 10:20	E Coli	Grab	75	15.2	1094.0	9.68	7.7	0.68	1347.0	> 100			
4PP-outfall	09/26/2018 11:15	E Coli	Grab	55	13.3	1107.0	9.97	7.9	0.72	1425.0	> 100			
4PP-outfall	09/27/2018 12:15	Base	Grab	58	13.5	1111.0	10.16	7.6	0.72	1422.0	> 100	293	0.11	1.0
4PP-outfall	10/10/2018 10:30	E Coli	Grab	45	11.6	429.0	9.36	8.3	0.28	577.0	8			
4PP-outfall	10/12/2018 11:40	Base	Grab	36	10.4	1066.0	10.50	7.4	0.75	1478.0	> 100	303	0.09	0.7
4PP-outfall	10/23/2018 11:35	Base	Grab	42	11.1	1051.5	10.52	7.9	0.73	1431.5	58	303	0.15	1.4
4PP-outfall	10/24/2018 10:35	E Coli	Grab	40	11.1	1064.0	10.48	7.5	0.73	1449.0	> 100			
4PP-outfall	11/07/2018 10:55	E Coli	Grab	30	10.0	1003.0	9.63	8.1	0.71	1407.0	10			
4PP-outfall	11/14/2018 10:55	Base	Grab	30	9.6	1028.0	10.78	7.5	0.74	1457.0	> 100	274	0.12	1.0
4PP-outfall	11/26/2018 12:00	Base	Grab	19	8.5	983.0	10.92	7.2	0.72	1437.0	> 100	153	0.09	1.4
4PP-outfall	12/17/2018 11:55	Base	Grab	31	9.3	1031.0	10.40	8.3	0.74	1474.0	> 100	296	0.09	1.2

2018 Stormwater Sample Data at 4PP-outfall continued

Station	Sample Start	Chemical					E. coli (MPN/100 mL)	Hardness (mg/L CaCO3)	Total		Nitrate-			Sulfate (mg/L)	Total Biological Oxygen Demand 5- day (mg/L)
		Oxygen Demand (mg/L)	Chloride (mg/L)	Dissolved Phosphorus (mg/L)	Ortho Phosphate (mg/L)	Total Phosphorus (mg/L)			Kjeldahl Nitrogen (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Nitrite (mg/L)			
4PP-outfall	01/08/2018 11:40	22	336.6	0.04	0.03	0.03		445	0.44	1.06		< 0.03	80.6	1.1	
4PP-outfall	01/30/2018 12:15	6	229.5	0.03	0.03	0.06	38	408	0.46	1.00		< 0.03	81.7	0.4	
4PP-outfall	02/13/2018 12:15	18	278.1	0.03	0.03	0.05		485	0.41	0.91		< 0.03	80.9	0.2	
4PP-outfall	02/22/2018 12:40	16	234.1	~ 0.03	0.02	~ 0.05	< 1	492	0.42	0.96		< 0.03	79.4	0.6	
4PP-outfall	03/08/2018 11:25	4	272.2	0.02	0.02	~ 0.04		387	0.43	1.00		< 0.03	80.5	0.5	
4PP-outfall	04/02/2018 11:20	~ 8	290.8	~ 0.03	0.02	~ 0.03	73	543	0.61	1.40		< 0.03	82.8	0.7	
4PP-outfall	04/12/2018 10:45						40								
4PP-outfall	05/24/2018 11:05						20								
4PP-outfall	08/09/2018 10:50						20								
4PP-outfall	08/10/2018 11:20	~ 11	276.0	~ 0.05	0.03	0.06		425	0.55	2.13	2.13	< 0.03	82.4	0.9	
4PP-outfall	08/23/2018 11:05						470								
4PP-outfall	08/30/2018 11:45	~ 14	231.8	~ 0.04	0.03	0.05		483	0.46	2.09	2.09	< 0.03	73.7	0.7	
4PP-outfall	09/10/2018 11:00	~ 6	227.1	~ 0.03	0.01	~ 0.05		373	0.44	2.16	2.16	< 0.03	77.8	0.4	
4PP-outfall	09/12/2018 10:20						280								
4PP-outfall	09/26/2018 11:15						548								
4PP-outfall	09/27/2018 12:15	~ 9	236.1	~ 0.03	0.01	0.05		425	0.36	1.92	1.92	< 0.03	75.9	0.4	
4PP-outfall	10/10/2018 10:30						3130								
4PP-outfall	10/12/2018 11:40	20	270.3	2.83	0.39	3.18		470	0.49	2.01	2.05	0.04	81.2	0.6	
4PP-outfall	10/23/2018 11:35	13	247.6	0.15	0.11	0.19		481	0.53	2.61	2.65	0.04	77.4	1.2	
4PP-outfall	10/24/2018 10:35						1								
4PP-outfall	11/07/2018 10:55						60								
4PP-outfall	11/14/2018 10:55	~ 8	261.5	< 0.02	0.02	~ 0.03		501	0.36	2.23	2.23	< 0.03	84.7	0.4	
4PP-outfall	11/26/2018 12:00	~ 10	279.6	~ 0.04	0.02	~ 0.03		502	0.43	2.14	2.14	< 0.03	87.5	0.9	
4PP-outfall	12/17/2018 11:55	~ 5	290.8	< 0.02	0.02	~ 0.03	59	492	0.46	1.84	1.84	< 0.03	81.7	0.8	

2018 Stormwater Sample Data at 4PP-outfall continued

Station	Sample Start	Total Cadmium (mg/L)	Total Chromium (mg/L)	Total Copper (mg/L)	Total Lead (mg/L)	Total Nickel (mg/L)	Total Zinc (mg/L)	Total Dissolved Solids (mg/L)	Total Organic Carbon (mg/L)	Total Suspended Solids (mg/L)	Volatile Suspended Solids (mg/L)
4PP-outfall	01/08/2018 11:40							948	1.4	14	3
4PP-outfall	01/30/2018 12:15	< 0.0004	0.0019	0.0022	0.0007	0.0026	< 0.0100	664	1.6	22	~ 1
4PP-outfall	02/13/2018 12:15							695	1.8	13	2
4PP-outfall	02/22/2018 12:40							732	1.5	27	~ 1
4PP-outfall	03/08/2018 11:25	< 0.0002	0.0017	0.0015	0.0005	0.0023	0.0059	784	1.6	18	~ 1
4PP-outfall	04/02/2018 11:20	< 0.0002	0.0003	0.0015	~ 0.0003	0.0024	0.0076	868	2.3	~ 1	~ 1
4PP-outfall	04/12/2018 10:45										
4PP-outfall	05/24/2018 11:05										
4PP-outfall	08/09/2018 10:50										
4PP-outfall	08/10/2018 11:20	< 0.0002	0.0004	0.0015	~ 0.0002	0.0027	0.0043	830	2.3	~ 2	~ 1
4PP-outfall	08/23/2018 11:05										
4PP-outfall	08/30/2018 11:45							785	2.0	~ 2	~ 1
4PP-outfall	09/10/2018 11:00	< 0.0002	0.0009	0.0012	~ 0.0003	0.0023	< 0.0050	776	2.3	~ 1	~ 1
4PP-outfall	09/12/2018 10:20										
4PP-outfall	09/26/2018 11:15										
4PP-outfall	09/27/2018 12:15							771	2.6	~ 2	< 1
4PP-outfall	10/10/2018 10:30										
4PP-outfall	10/12/2018 11:40	< 0.0002	0.0005	0.0329	0.0006	0.0024	0.0177	848	4.9	8	~ 3
4PP-outfall	10/23/2018 11:35							798	3.3	32	3
4PP-outfall	10/24/2018 10:35										
4PP-outfall	11/07/2018 10:55										
4PP-outfall	11/14/2018 10:55	< 0.0002	0.0004	< 0.0010	~ 0.0003	0.0021	< 0.0050	850	1.9	~ 1	~ 1
4PP-outfall	11/26/2018 12:00							832	1.7	~ 1	< 1
4PP-outfall	12/17/2018 11:55							868	1.6	~ 1	~ 1