

## 2016 Stormwater Sample Data at 4PP-outfall

Station	Sample Start	Sample Reason	Sample Type	Air	Water	Conductivity (µS/cm)	Dissolved	pH	Salinity (ppt)	Specific	Transparency (cm)	Alkalinity (mg/L)	Ammonia	Carbonaceous
				Temperature (°F)	Temperature (°C)		Oxygen (mg/L)			Conductivity (µS/cm)			Nitrogen (mg/L)	Oxygen Demand 5-day (mg/L)
4PP-outfall	01/06/2016 10:50	Base	Grab	30	9.6	972.0	10.02	8.1	0.69	1376.0	> 100	294	0.03	0.3
4PP-outfall	01/22/2016 10:03	Base	Grab	20	10.4	1027.0	9.50	8.0	0.72	1424.0	9	292	0.01	1.1
4PP-outfall	02/05/2016 11:30	Base	Grab	11	10.5	1124.0	9.59	8.0	0.79	1555.0	46	287	0.01	0.6
4PP-outfall	02/17/2016 11:45	Base	Grab	20	10.4	1107.0	8.90	8.2	0.78	1534.0	43	280	0.11	0.6
4PP-outfall	03/01/2016 11:20	Base	Grab	20	7.9	852.8	10.34	7.9	0.60	1267.1	20	285	0.01	0.7
4PP-outfall	03/18/2016 11:20	Base	Grab	33	10.0	952.6	9.88	8.0	0.70	1335.9	20	244	0.01	0.9
4PP-outfall	05/19/2016 11:20	Base	Grab	60	13.6	1009.9	9.63	8.1	0.60	1290.2	74	284	0.04	0.9
4PP-outfall	06/02/2016 12:23	Base	Grab	68	13.0	1096.2	9.54	8.0	0.70	1421.1	> 100	292	0.07	0.9
4PP-outfall	06/16/2016 11:00	Base	Grab	72	16.1	1136.8	9.19	8.1	0.70	1367.4		294	0.06	0.4
4PP-outfall	07/05/2016 11:45	Base	Grab	81	18.0	1151.2	9.07	8.2	0.70	1326.8	> 100	300	0.05	0.8
4PP-outfall	08/01/2016 11:30	Base	Grab	75	18.6	1192.4	8.83	8.1	0.70	1358.8	> 100	287	0.04	0.8
4PP-outfall	09/01/2016 11:25	Base	Grab	70	16.2	1159.2	9.33	8.2	0.70	1395.1	> 100	292	0.05	0.7
4PP-outfall	09/14/2016 09:30	Base	Grab	50	14.5	1099.7	9.41	8.0	0.70	1372.9	> 100	280	0.01	0.7
4PP-outfall	10/21/2016 11:13	Base	Grab	42	12.1	1055.0	9.61	8.1	0.70	1400.8	> 100	275	0.03	0.6
4PP-outfall	11/01/2016 10:45	Base	Grab	52	12.4	997.0	9.73	7.8	0.66	1314.0	> 100	284	0.05	2.6
4PP-outfall	11/17/2016 12:10	Base	Grab	48	13.6	1199.7	9.27	8.0	0.80	1531.9	49	283	0.04	1.2
4PP-outfall	12/02/2016 12:10	Base	Grab	33	10.1	937.0	11.90	8.2	0.66	1309.0	50	254	0.05	1.1
4PP-outfall	12/20/2016 11:45	Base	Grab	34	8.5	1754.1	10.23	8.2	1.30	2560.1	18	255	0.10	1.7

Data in blue have been adjusted to remove symbols based on MWMO data protocols

2016 Stormwater Sample Data at 4PP-outfall continued

Station	Sample Start	Chemical					E. coli (MPN/100 mL)	Hardness (mg/L CaCO3)	Total Kjeldahl Nitrogen (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	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)							
4PP-outfall	01/06/2016 10:50	7	218.4	0.03	0.02	0.03		516	0.36	0.94	0.02	87.0	0.4
4PP-outfall	01/22/2016 10:03	25	279.8	0.01	0.02	0.08	1	520	0.55	0.83	0.02	91.1	1.6
4PP-outfall	02/05/2016 11:30	10	283.7	0.01	0.02	0.05		500	0.39	0.99	0.02	87.6	0.8
4PP-outfall	02/17/2016 11:45	10	282.4	0.04	0.04	0.10	24	496	0.56	1.03	0.02	89.3	0.7
4PP-outfall	03/01/2016 11:20	10	224.2	0.04	0.03	0.14		508	0.41	0.92	0.02	84.4	0.8
4PP-outfall	03/18/2016 11:20	7	218.5	0.04	0.03	0.15	2	492	0.75	0.77	0.02	89.7	0.6
4PP-outfall	05/19/2016 11:20	5	216.1	0.04	0.01	0.06		436	0.50	1.06	0.02	83.0	0.7
4PP-outfall	06/02/2016 12:23	9	239.5	0.02	0.02	0.05		448	0.43	1.13	0.02	85.7	0.7
4PP-outfall	06/16/2016 11:00	7	250.3	0.03	0.01	0.03		528	0.39	1.22	0.02	85.0	0.3
4PP-outfall	07/05/2016 11:45	8	247.1	0.03	0.02	0.03		484	0.26	0.99	0.02	86.2	0.5
4PP-outfall	08/01/2016 11:30	35	218.4	0.04	0.02	0.03		424	0.36	0.69	0.02	81.5	0.7
4PP-outfall	09/01/2016 11:25	5	186.4	0.04	0.02	0.04		468	0.32	0.93	0.02	82.6	0.3
4PP-outfall	09/14/2016 09:30	5	207.0	0.03	0.02	0.04		448	0.35	1.06	0.02	82.4	0.4
4PP-outfall	10/21/2016 11:13	5	190.0	0.03	0.02	0.03		512	0.24	1.05	0.02	81.6	0.4
4PP-outfall	11/01/2016 10:45	12	196.2	0.02	0.02	0.04		516	0.40	0.80	0.02	80.9	3.2
4PP-outfall	11/17/2016 12:10	13	236.7	0.02	0.02	0.07		504	0.33	1.34	0.02	83.1	0.7
4PP-outfall	12/02/2016 12:10	7	225.1	0.02	0.02	0.07		536	0.36	1.01	0.02	81.8	0.7
4PP-outfall	12/20/2016 11:45	5	590.5	0.03	0.04	0.16	4	572	0.58	1.09	0.02	81.7	1.7

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2016 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	01/06/2016 10:50	0.0001	0.0006	0.0108	0.0007	0.0025	0.0112	718	2.4	7	1
4PP-outfall	01/22/2016 10:03							810	2.6	102	8
4PP-outfall	02/05/2016 11:30							830	2.2	17	2
4PP-outfall	02/17/2016 11:45	0.0001	0.0032	0.0034	0.0013	0.0037	0.0067	835	2.2	39	2
4PP-outfall	03/01/2016 11:20	0.0001	0.0027	0.0025	0.0028	0.0059	0.0312	716	2.4	99	8
4PP-outfall	03/18/2016 11:20							766	1.0	111	4
4PP-outfall	05/19/2016 11:20	0.0001	0.0005	0.0018	0.0025	0.0026	0.0108	717	3.6	14	2
4PP-outfall	06/02/2016 12:23							778	3.6	1	1
4PP-outfall	06/16/2016 11:00	0.0001	0.0005	0.0009	0.0002	0.0018	0.0059	776	2.5	1	1
4PP-outfall	07/05/2016 11:45							784	3.6	2	1
4PP-outfall	08/01/2016 11:30							696	2.5	1	1
4PP-outfall	09/01/2016 11:25	0.0001	0.0002	0.0009	0.0001	0.0018	0.0022	734	2.9	1	1
4PP-outfall	09/14/2016 09:30							735	2.4	1	1
4PP-outfall	10/21/2016 11:13							729	2.4	1	1
4PP-outfall	11/01/2016 10:45							701	3.1	5	3
4PP-outfall	11/17/2016 12:10							760	3.7	17	3
4PP-outfall	12/02/2016 12:10	0.0001	0.0034	0.0022	0.0017	0.0029	0.0105	707	2.3	75	4
4PP-outfall	12/20/2016 11:45							1270	2.8	92	4

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