

2021 Stormwater Sample Data - 4PP-outfall

Station	Sample Start	Sample End	Sample Reason	Sample Type	Air Temperature (°F)	Water Temperature (°C)	Conductivity (µS/cm)	Dissolved Oxygen (mg/L)	pH	Salinity (ppt)	Specific Conductivity (µS/cm)	Transparency (cm)	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)
4PP-outfall	01/05/2021 10:45		Base	Grab	17	8.8	1142	10.98	7.7	0.84	1654	> 100	297	< 0.06
4PP-outfall	01/19/2021 11:00		Base	Grab	18	7.8	871	11.18	7.9	0.65	1296	> 100	306	< 0.06
4PP-outfall	02/02/2021 10:30		Base	Grab	21	5.2	875	12.08	8.5	0.70	1407	> 100	308	0.06
4PP-outfall	02/24/2021 14:30	02/24/2021 14:30	Melt	Grab	39	4.7	3320	12.14	8.4	2.91	5423	4	119	1.61
4PP-outfall	03/10/2021 11:50	03/10/2021 11:50	Rain	Grab	43							4	114	0.68
4PP-outfall	03/24/2021 09:45	03/24/2021 09:45	Rain	Grab	42								24	0.09
4PP-outfall	04/06/2021 10:15		Base	Grab	60	11.8	934	10.23	8.3	0.63	1249	> 100	285	0.10
4PP-outfall	05/04/2021 09:55		Base	Grab	48	10.8	945	10.56	8.5	0.65	1295	> 100	292	0.06
4PP-outfall	05/18/2021 10:10		Base	Grab	72	12.4	877	10.38	7.7	0.58	1154	> 100	298	0.08
4PP-outfall	06/01/2021 10:15		Base	Grab	73	13.0	872	10.30	7.3	0.57	1131		282	< 0.06
4PP-outfall	06/15/2021 09:40		Base	Grab								> 100	303	< 0.06
4PP-outfall	07/08/2021 09:50		Base	Grab		13.9	888	10.06	7.5	0.56	1128	> 100	291	< 0.06
4PP-outfall	07/20/2021 10:05		Base	Grab	78	12.7	868	10.29	7.5	0.57	1134	> 100	274	< 0.06
4PP-outfall	08/03/2021 09:15		Base	Grab	74	15.7	993	10.05	7.4	0.61	1209	> 100	292	< 0.06
4PP-outfall	08/17/2021 10:00		Base	Grab	77	14.6	909	10.06	7.5	0.57	1134	> 100	290	< 0.06
4PP-outfall	09/07/2021 09:35		Base	Grab	67	15.4	943	9.96	6.9	0.58	1154	> 100	274	< 0.06
4PP-outfall	09/22/2021 10:00		Base	Grab	58	12.4	868	10.30	7.2	0.57	1143	> 100	294	< 0.06
4PP-outfall	10/05/2021 09:35		Base	Grab		13.9	897	10.03	7.6	0.57	1138	> 100	290	< 0.06
4PP-outfall	10/19/2021 09:55		Base	Grab	59	11.9	846	10.51	7.2	0.56	1128	> 100	306	< 0.06
4PP-outfall	11/02/2021 09:35		Base	Grab	36	10.0	769	11.05	6.7	0.54	1077	> 100	296	< 0.06
4PP-outfall	11/16/2021 11:05		Base	Grab	37	9.8	803	10.84	6.8	0.57	1132	> 100	289	< 0.06
4PP-outfall	12/07/2021 11:30		Base	Grab	13	9.4	826	10.85	8.2	0.59	1175	> 100	279	< 0.06
4PP-outfall	12/17/2021 10:35		Base	Grab	12	8.5	790	10.90	8.0	0.58	1152	> 100	291	< 0.06

2021 Stormwater Sample Data - 4PP-outfall continued

Station	Sample Start	Sample End	Carbonaceous Biological Oxygen Demand 5-day (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Dissolved Phosphorus (mg/L)	Ortho Phosphate (mg/L)	Total Phosphorus (mg/L)	E. coli (MPN/100 mL)	Hardness (mg/L CaCO3)	Total Kjeldahl Nitrogen (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Sulfate (mg/L)
4PP-outfall	01/05/2021 10:45		0.5	< 15	324	~ 0.03	0.02	~ 0.03		502	0.57	1.52	< 0.06	82.7
4PP-outfall	01/19/2021 11:00		1.0	< 15	203	~ 0.03	0.02	~ 0.02		477	0.61	1.29	< 0.06	80.3
4PP-outfall	02/02/2021 10:30		0.9	16	252	~ 0.02	0.02	~ 0.03		371	0.57	1.33	< 0.06	82.0
4PP-outfall	02/24/2021 14:30	02/24/2021 14:30	23.0	239	1740	0.25	0.21	0.70		202	9.30	0.74	0.21	36.2
4PP-outfall	03/10/2021 11:50	03/10/2021 11:50	10.0	183	350	0.08	0.09	0.53		167	2.60	0.92	0.12	37.0
4PP-outfall	03/24/2021 09:45	03/24/2021 09:45	3.4	46	28.3	~ 0.05	0.05	0.17		47	0.50	0.22	< 0.06	7.0
4PP-outfall	04/06/2021 10:15		1.5	< 15	204	~ 0.03	0.02	0.06		386	0.61	1.46	< 0.06	78.6
4PP-outfall	05/04/2021 09:55		0.6	< 15	211	~ 0.03	0.03	~ 0.04		542	0.67	1.48	< 0.06	81.1
4PP-outfall	05/18/2021 10:10		0.6	< 15	173	< 0.02	0.01	~ 0.03	12	374	0.85	1.31	< 0.06	72.1
4PP-outfall	06/01/2021 10:15		0.7	< 15	159	~ 0.04	0.02	~ 0.04		390	0.63	1.10	< 0.06	74.9
4PP-outfall	06/15/2021 09:40		0.9	< 15	214	~ 0.04	0.02	0.05	80	408	0.51	1.45	< 0.06	67.4
4PP-outfall	07/08/2021 09:50		0.8	< 15	151	0.06	0.02	0.06		436	0.08	0.93	< 0.06	75.5
4PP-outfall	07/20/2021 10:05		0.8	< 15	177	~ 0.02	0.01	~ 0.03		455	0.26	1.01	< 0.06	71.4
4PP-outfall	08/03/2021 09:15		0.6	< 15	159	~ 0.03	0.02	~ 0.04		370	0.34	0.96	< 0.06	72.8
4PP-outfall	08/17/2021 10:00		0.6	< 15	173	~ 0.03	0.02	~ 0.03	11000	444	0.35	0.89	< 0.06	73.3
4PP-outfall	09/07/2021 09:35		1.0	< 15	176	~ 0.04	0.02	~ 0.03		431	0.30	0.90	< 0.06	70.9
4PP-outfall	09/22/2021 10:00		0.7	< 15	166	~ 0.03	0.02	~ 0.05	63	356	0.30	0.75	< 0.06	72.2
4PP-outfall	10/05/2021 09:35		0.6	< 15	163	~ 0.03	0.02	~ 0.03		382	0.38	0.81	< 0.06	71.0
4PP-outfall	10/19/2021 09:55		0.8	< 15	169	~ 0.03	0.01	< 0.02	91	389	0.22	0.79	< 0.06	73.0
4PP-outfall	11/02/2021 09:35		0.7	< 15	151	< 0.02	0.01	< 0.02		393	0.30	0.86	< 0.06	71.6
4PP-outfall	11/16/2021 11:05		0.6	< 15	167	< 0.02	0.02	~ 0.03	5	338	0.38	0.73	< 0.06	68.7
4PP-outfall	12/07/2021 11:30		1.7	< 15	169	~ 0.04	0.03	~ 0.03	2	395	0.25	0.76	< 0.06	76.2
4PP-outfall	12/17/2021 10:35		0.6	< 15	190	~ 0.03	0.02	< 0.02		356	0.44	0.69	< 0.06	77.9

2021 Stormwater Sample Data - 4PP-outfall continued

Station	Sample Start	Sample End	Total Biological Oxygen Demand 5-day (mg/L)	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	01/05/2021 10:45		0.7	< 0.0001	< 0.0005	0.0024	0.0002	0.0015	0.0066	906	1.2	~ 1	~ 1
4PP-outfall	01/19/2021 11:00		0.4							745	1.4	~ 2	~ 1
4PP-outfall	02/02/2021 10:30		0.6							778	1.5	~ 2	~ 1
4PP-outfall	02/24/2021 14:30	02/24/2021 14:30	> 26.0							2950	8.2	204	70
4PP-outfall	03/10/2021 11:50	03/10/2021 11:50	15.0							896	7.6	171	68
4PP-outfall	03/24/2021 09:45	03/24/2021 09:45	3.7							124	2.5	69	24
4PP-outfall	04/06/2021 10:15		1.4	< 0.0001	< 0.0010	0.0017	0.0009	0.0018	0.0130	736	2.2	4	~ 2
4PP-outfall	05/04/2021 09:55		0.7	< 0.0001	< 0.0010	0.0015	< 0.0005	0.0016	< 0.0050	738	1.4	5	3
4PP-outfall	05/18/2021 10:10		0.5							644	1.5	~ 2	~ 1
4PP-outfall	06/01/2021 10:15		0.7	< 0.0001	< 0.0010	0.0006	< 0.0005	0.0010	0.0053	662	1.3	~ 1	~ 1
4PP-outfall	06/15/2021 09:40		0.7							744	1.6	~ 1	~ 1
4PP-outfall	07/08/2021 09:50		0.5	< 0.0001	< 0.0010	0.0006	< 0.0005	0.0011	0.0068	625	1.2	~ 1	~ 1
4PP-outfall	07/20/2021 10:05		0.4							644	1.7	< 1	< 1
4PP-outfall	08/03/2021 09:15		0.3	< 0.0001	< 0.0010	0.0005	< 0.0005	0.0010	< 0.0050	643	1.1	~ 1	< 1
4PP-outfall	08/17/2021 10:00		0.2							652	1.4	~ 1	~ 1
4PP-outfall	09/07/2021 09:35		0.4	< 0.0001	< 0.0010	< 0.0005	< 0.0005	0.0011	< 0.0050	658	1.1	< 1	< 1
4PP-outfall	09/22/2021 10:00		0.4							620	1.2	< 1	~ 1
4PP-outfall	10/05/2021 09:35		0.8	< 0.0001	< 0.0010	0.0008	< 0.0005	0.0012	< 0.0050	618	1.5	< 1	~ 1
4PP-outfall	10/19/2021 09:55		0.5							641	1.2	~ 2	~ 1
4PP-outfall	11/02/2021 09:35		0.5	< 0.0001	< 0.0010	0.0007	< 0.0005	0.0013	0.0082	630	1.2	~ 1	< 1
4PP-outfall	11/16/2021 11:05		0.5							630	1.1	< 1	~ 2
4PP-outfall	12/07/2021 11:30		0.3							645	1.0	< 1	< 1
4PP-outfall	12/17/2021 10:35		0.4	< 0.0001	< 0.0010	< 0.0005	< 0.0005	0.0012	< 0.0050	645	1.0	< 1	< 1