

Water Monitoring Summary Table

DISCHARGE (aka [includes])	Value	Flow (gpm)	Field pH	Lab pH	Alk (L.) (mg/l)	M. Acid (mg/l)	C. Acid (mg/l)	Fe (mg/l)	Mn (mg/l)	Al (mg/l)	Sulfate (mg/l)	TSS (mg/l)	Alk Load (#/yr)	M. Acid Load (#/yr)	C. Acid Load (#/yr)	Fe Load (#/yr)	Mn Load (#/yr)	Al Load (#/yr)	Alk Load (t/yr)	M. Acid Load (t/yr)	Fe Load (t/yr)	Mn Load (t/yr)	Al Load (t/yr)
MP5	MIN	2	3.3	3.0	0	176	148	1.7	5.9	21.3	349	0	0	2008	1606	73	73	219					
MP5	MAX	38	3.3	3.5	3	326	316	9.0	16.2	47.1	1674	16	365	50005	42669	621	1789	6278					
MP5	AVG	13	3.3	3.4	0	241	209	4.7	7.9	29.5	765	6	0	14016	12045	219	475	1716	0.0	7.0	0.1	0.2	0.9
NFMU9	MIN	17	4.7	3.2	0	54	47	4.9	4.8	4.8	338	0	0	5804	3358	365	365	365					
NFMU9	MAX	98	4.8	4.9	14	184	153	26.1	10.2	14.4	1641	28	2592	65627	54933	5877	4088	4928					
NFMU9	AVG	41	4.8	4.1	5	101	92	16.2	8.4	7.1	623	12	548	18907	17046	2738	1497	1387	0.3	9.5	1.4	0.7	0.7
MP2	MIN	3	6.8	6.6	91	0	7	1.0	1.9	0.0	251	0	1460	0	110	0	37	0					
MP2	MAX	91	7.0	7.4	230	0	324	168.0	5.7	2.8	766	196	79935	0	69131	35843	2044	621					
MP2	AVG	32	6.9	7.0	153	0	30	12.7	3.8	0.1	475	28	23616	0	5001	2227	511	37	11.8	0.0	1.1	0.3	0.0
NFMU5 (MP8) [MP3]	MIN	36	4.6	3.0	0	25	32	0.7	2.0	4.7	334	6	0	10658	8906	292	402	1278					
NFMU5 (MP8) [MP3]	MAX	114	4.6	5.6	13	138	159	8.2	3.7	17.3	898	32	6388	39822	38216	1460	1132	4490					
NFMU5 (MP8) [MP3]	AVG	53	4.6	4.3	6	99	81	3.5	2.7	11.3	566	19	1606	21316	17739	730	621	2482	0.8	10.7	0.4	0.3	1.2
NFMU6 [MP7]	MIN	12	4.9	4.0	9	24	12	0.0	2.3	0.0	76	8	511	1716	913	0	438	0					
NFMU6 [MP7]	MAX	197	6.0	6.4	19	57	40	0.7	12.2	4.9	1195	14	13469	29894	15805	329	2811	2336					
NFMU6 [MP7]	AVG	75	5.5	5.6	14	39	26	0.4	6.3	2.3	712	11	4855	12009	7702	110	1570	803	2.4	6.0	0.1	0.8	0.4
MP6	MIN	5	5.7	4.8	13	0	13	1.2	3.5	0.0	268	0	475	0	913	219	183	0					
MP6	MAX	78	5.8	6.2	120	158	114	41.5	10.2	9.5	1433	24	25331	19710	17192	6132	2227	1059					
MP6	AVG	31	5.8	5.5	55	35	52	15.7	7.7	1.7	969	8	8103	3869	6680	1971	1022	219	4.1	1.9	1.0	0.5	0.1
PRE1(SFMU2) (BOGGS)	MIN	9	6.7	6.4	48	0	28	7.0	6.0	0.0	357	8	4015	0	1205	365	329	0					
PRE1(SFMU2) (BOGGS)	MAX	55	6.8	6.9	104	19	67	30.0	9.2	0.0	1540	22	14819	4125	12374	5220	1716	0					
PRE1(SFMU2) (BOGGS)	AVG	31	6.8	6.7	76	3	43	16.9	7.7	0.0	1079	18	9490	548	6023	2336	1022	0	4.7	0.3	1.2	0.5	0.0
SFMS6	MIN	5	3.2	3.0	0	209	181	1.4	2.4	27.9	182	0	0	5220	4964	37	73	840					
SFMS6	MAX	75	3.3	3.8	0	308	276	7.4	3.4	43.3	1266	4	0	95630	88148	2446	840	12447					
SFMS6	AVG	25	3.3	3.4	0	264	229	2.8	2.7	35.0	900	2	0	29857	26025	438	292	3906	0.0	14.9	0.2	0.1	2.0
SFMS7	MIN	35	4.2	3.8	0	31	34	1.0	1.6	5.0	301	0	0	6862	7519	219	329	1095					
SFMS7	MAX	60	4.3	5.7	26	121	98	3.4	3.3	14.3	1124	12	5694	23178	16790	621	584	2519					
SFMS7	AVG	45	4.3	4.4	6	89	61	1.8	2.4	9.0	630	5	1278	17082	11753	365	475	1752	0.6	8.5	0.2	0.2	0.9
SFMD7	MIN	0	3.0	3.0	0	152	111	0.7	1.8	15.0	353	0	0	183	146	0	0	37					
SFMD7	MAX	30	4.0	3.4	0	194	172	5.3	3.1	20.5	1019	24	0	20623	18031	329	292	2117					
SFMD7	AVG	9	3.3	3.2	0	173	139	2.9	2.2	17.5	721	7	0	6315	5110	110	73	621	0.0	3.2	0.1	0.0	0.3
SFMD3	MIN	0	5.4	4.0	8	0	9	0.0	0.7	1.3	231	4	0	0	37	0	0	0					
SFMD3	MAX	17	7.0	7.2	112	116	129	2.0	4.4	20.7	548	64	3066	2519	4563	37	110	767					
SFMD3	AVG	8	6.2	6.2	56	18	43	0.4	1.6	7.0	372	27	1387	475	1278	0	37	219	0.7	0.2	0.0	0.0	0.1
MKR3	MIN	40	3.3	3.0	0	111	59	0.5	0.5	7.4	262	0	0	28361	18688	219	183	2300					
MKR3	MAX	300	3.5	3.5	0	184	155	2.3	1.8	23.7	581	6	0	185311	126582	913	1205	17374					
MKR3	AVG	117	3.4	3.4	0	140	100	1.0	1.0	13.5	362	2	0	72197	50881	475	475	6935	0.0	36.1	0.2	0.2	3.5
PRE2(CLINTON ROAD)		44	3.8	3.6	0	238	183	3.5	11.3	25.8	1219	8	0	45604	35105	678	2169	4952	0.0	22.8	17.6	0.3	3.5

Calculated Acidity is based on Total Metals; For the following parameters a value of 0 indicates Fe <0.3 mg/L, Mn <0.3 mg/L, Al <0.5 mg/L, TSS < 3 mg/L; D.= Dissolved; M. = Measured; C. = Calculated; Note PRE2 data from single sampling event; Standard Postmining Discharge Effluent Limits (025 Pa. § Code 87.102 Group A, Instantaneous Maximum): Fe(total) = 7 mg/l, Mn(total) = 5.0 mg/l, TSS = 90 mg/l, pH >6.0 and <9.0

 High Priority Site
 Priority Site Under Review
 Other Site