Adams #6 - Raw

Date	Flow (gpm)	Acidity (mg/L $CaCO_3$)	Alkalinity (mg/L CaCO3)	Specific Conductance (umhos/cm)	pH	TSS (mg/L)	Al (mg/L)	Fe (mg/L)	Mn (mg/L)	Sulfate (mg/L)
9/19/05	109	43	<5	578	3.67	69	2.7	7.26	0.98	261
12/16/05	150	35	<5	533	3.89	17	2.4	5.5	0.87	234
3/25/06	200	36	<5	447	3.57	12	2	1.39	0.78	176
6/22/06	120	33	<5	434	3.65	20	1.9	7.96	0.77	171
9/27/06	75	35	<5	556	3.64	26	2.7	44.3	0.94	229
12/11/06	100	62	<5	481	3.59	8	2.5	3.12	0.98	190
3/20/07		-4	38	404	5.70	5	0.3	0.3	0.26	164
6/20/07	150	34	<5	497	3.65	76	2.5	9.71	0.86	197
9/22/07	100	34	<5	544	3.74	<5.0	2.5	3.26	1	214
12/18/08	200	OW Cap Frozen - No Sample Collected								
3/24/08	200	32	<5	375	3.66	<5	1.4	0.91	0.61	132
6/26/08	120	33	<5	434	3.65	29	1.8	5.09	0.73	184
9/18/08	43	32	<5	537	3.7	19	2.1	5.22	0.99	205
11/12/08	100	38	<5	603	3.65	<5	2.5	0.72	1.08	262

Adams #6 - After ALD

Date	Flow (gpm)	Acidity (mg/L $CaCO_3$)	Alkalinity (mg/L CaCO3)	Specific Conductance (umhos/cm)	pH	TSS (mg/L)	Al (mg/L)	Fe (mg/L)	Mn (mg/L)	Sulfate (mg/L)
9/19/05	109	Neg	34	533	5.9	6	1.8	0.26	0.71	254
12/16/05	150	Neg	39	539	6.36	<5	1.3	0.29	0.52	234
3/25/06	200	Neg	27	395	6.11	5	1.2	0.33	0.51	180
6/22/06	120	-13	48	399	6.43	<5	1.2	0.23	0.49	171
9/27/06	75	-19	37	533	6.28	<5	1.5	0.25	0.62	230
12/11/06	100	-14	51	479	6.37	<5	1.4	0.27	0.55	187
3/20/07		-2	44	358	6.40	5	1.8	0.7	0.47	144
6/20/07	150	-12	46	472	6.17	<5.0	1.4	0.4	0.57	194
9/22/07	100	-19	54	528	6.31	<5.0	1.6	0.33	0.62	212
12/18/08	200	-12	50	426	6.38	6	1.4	0.53	0.41	152
3/24/08	200	-5	44	325	6.25	<5	0.9	0.31	0.33	120
6/26/08	120	-15	51	408	6.06	8	1.2	0.32	0.48	184
9/18/08	43	-30	55	535	6.36	7	1.5	0.27	0.58	209
11/12/08	100	-40	71	609	6.54	<5	1.7	0.18	0.58	247

Adams #6 - After Treatment

Date	Flow (gpm)	Acidity (mg/L $CaCO_3$)	Alkalinity (mg/L CaCO3)	Specific Conductance (umhos/cm)	pH	TSS (mg/L)	Al (mg/L)	Fe (mg/L)	Mn (mg/L)	Sulfate (mg/L)
9/19/05	109	Neg	47	535	6.77	<5	0.6	0.1	0.57	254
12/16/05	150	Neg	33	536	6.86	<5	0.9	0.23	0.48	234
3/25/06	200	Neg	34	397	6.84	<5	0.7	0.18	0.44	171
6/22/06	120	-18	57	388	7.19	8	0.5	0.12	0.39	N/A
9/27/06	75	-4	62	516	7.27	<5	0.3	0.07	0.44	221
12/11/06	100	-20	45	477	6.93	<5	0.7	0.14	0.48	185
3/20/07		-3	49	348	6.38	<5	1.0	0.35	0.37	134
6/20/07	150	-21	47	475	7.28	58	2.3	2.09	0.34	191
9/22/07	100	-24	61	535	7.37	<5.0	0.4	0.11	0.47	214
12/18/08	200	-17	66	424	7.38	5	0.8	0.31	0.33	146
3/24/08	200	-6	51	335	7.24	<5	0.5	0.23	0.31	121
6/26/08	120	-19	74	405	7.2	8	0.3	0.15	0.33	178
9/18/08	43	-34	72	526	7.48	<5	0.3	0.07	0.36	205
11/12/08	100	-39	94	604	7.57	<5	0.5	0.08	0.4	256

Adams #7 -Raw

Date	Flow (gpm)	Acidity (mg/L CaCO3)	Alkalinity (mg/L CaCO3)	Specific Conductance (umhos/cm)	pH	TSS (mg/L)	Al (mg/L)	Fe (mg/L)	Mn (mg/L)	Sulfate (mg/L)
09/19/05	190	100	<5	1070	3.16	<5	4.3	8.12	4.79	448
12/16/05*	324	53	<5	674	3.45	<5	2.3	3.04	2.47	264
3/25/06*	384	14	<5	210	4.16	<5	1	1.26	1.22	111
6/22/2006*	469	33	<5	418	3.61	<5	1.3	2.15	1.78	151
09/27/06	167	71	<5	857	3.25	<5	2.8	5.65	3.87	338
12/11/06*	380	66	<5	666	3.31	<5	2.3	3.64	2.75	254
3/20/07*		42	<5	474	3.44	<5	2.1	1.89	1.74	174
06/20/07	316	81	<5	924	3.19	5	4.5	7.16	4.43	393
09/22/07	334	120	<5	760	3.27	<5.0	2.9	4.46	3.24	258
12/18/07*	318	52	<5	629	3.43	<5	2.6	2.26	1.97	192
3/24/08*	247	43	<5	509	3.52	<5	2.2	2.84	2.3	190
6/26/08*	254	74	<5	819	3.23	6	3.5	7.01	4.04	369
09/18/08	215	77	<5	901	3.16	<5	3.3	6.46	4.2	311
11/12/08	150	96	<5	1050	3.11	<5	4.2	6.02	4.6	363

* Water was passing through the emergency spillway

Adams #7 - After VFP

Date	Flow (gpm)	Acidity (mg/L CaCO3)	Alkalinity (mg/L CaCO3)	Specific Conductance (umhos/cm)	pH	TSS (mg/L)	Al (mg/L)	Fe (mg/L)	Mn (mg/L)	Sulfate (mg/L)
9/19/05	190	Neg	111	931	6.98	11	1	2.62	4.77	431
12/16/05*	324	4	23	551	6.45	5	1.9	1.87	1.54	248
3/25/06*	384	Neg	24	605	5.92	6	1.7	0.65	1.89	294
6/22/2006*	469	-25	62	654	6.66	<5	1.4	0.42	1.68	315
9/27/06	167	-56	90	823	6.95	<5	0.8	0.42	1.68	380
12/11/06*	380	10	30	561	6.24	<5	1.3	0.54	1.48	248
3/20/07*		-8	47	483	6.26	<5	1.0	0.47	1.00	202
6/20/07	316	-41	76	906	6.56	5	2.8	0.7	2.22	433
9/22/07	334	-48	91	740	6.91	<5.0	1.2	0.43	1.21	299
12/18/07*	318	-15	62	457	6.91	6	0.9	0.68	0.84	163
3/24/08*	247	-28	66	660	6.86	<5	1.2	0.5	1.34	287
6/26/08*	254	-69	101	822	6.62	7	1.2	0.47	1.4	377
9/18/08	215	-56	71	807	6.89	12	1.6	2.46	1.49	321
11/12/08	150	-22	62	872	6.58	20	3.4	5.36	2.3	365

* Water was passing through the emergency spillway

Adams #7 - After Treatment

Date	Flow (gpm)	Acidity (mg/L CaCO3)	Alkalinity (mg/L CaCO3)	Specific Conductance (umhos/cm)	pH	TSS (mg/L)	Al (mg/L)	Fe (mg/L)	Mn (mg/L)	Sulfate (mg/L)
09/19/05	190	Neg	104	925	7.11	<5	0.3	0.75	4.05	454
12/16/05*	324	Neg	26	543	6.56	<5	0.8	0.48	1.24	235
3/25/06*	384	13	9	588	4.82	<5	2	1.28	2.34	293
6/22/2006*	469	-24	62	652	6.86	<5	0.9	0.31	1.75	314
09/27/06	167	-54	90	825	7.47	<5	0.5	0.27	1.31	371
12/15/06*	380	-1	31	550	6.42	<5	0.9	0.35	1.33	242
3/20/07*		27	<5	446	4.22	<5	1.6	1.37	1.68	197
06/20/07	316	-24	57	873	6.59	5	0.9	0.43	2.6	427
09/22/07	334	-43	87	722	7.08	<5.0	0.5	0.13	0.87	301
12/18/2007	318	15	20	427	5.57	<5	1.1	0.99	1.42	170
3/24/2008*	247	34	<5	648	3.85	<5	2.7	2.67	2.93	290
6/26/2008*	254	8	26	724	5.49	8	1.4	2.15	2.91	376
09/18/08	215	-51	82	806	7.1	<5	0.6	0.37	1.56	328
11/12/08	150	-18	61	872	6.77	<5	0.8	1.06	2.38	363

* Water was passing through the emergency spillway

Onstead - Raw

Date	Flow (gpm)	Acidity (mg/L $CaCO_3$)	Alkalinity (mg/L CaCO3)	Specific Conductance (umhos/cm)	pH	TSS (mg/L)	Al (mg/L)	Fe (mg/L)	Mn (mg/L)	Sulfate (mg/L)
9/19/05	10	29	<5	656	4.19	13	2.1	3.32	3.45	338
12/19/05	200	34	<5	656	3.93	<5	2.2	0.66	2.19	292
3/13/06	150	33	<5	642	3.73	<5	2.3	0.48	1.65	266
6/21/06	100	32	<5	600	3.77	<5	2	0.55	1.66	271
9/25/06	<10	34	<5	600	3.99	<5	1.8	1.66	2.48	320
12/15/06	100	40	9	606	5.13	<5	2.3	0.58	2	286
3/13/07	250	27	<5	538	3.74	<5	1.9	0.27	1.48	239
6/8/07	75	40	<5	607	3.59	<5.0	2.8	0.75	1.88	249
9/20/07	25	32	<5	596	4.04	<5.0	2.2	0.87	2.06	262
12/18/07	225	30	<5	554	3.8	<5	2.2	0.19	1.12	218
3/21/08	350	37	<5	531	3.75	<5	1.8	0.24	1	197
6/19/08	150	26	<5	533	3.96	<5	1.9	1.49	2.01	239
9/22/08	Under Weir	9	<5	623	4.14	<5	2.1	1.77	2.83	272
12/16/08	Under Weir	23	<5	483	3.95	<5	<0.1	0.97	1.63	215

Onstead - After VFP

Date	Flow (gpm)	Acidity (mg/L $CaCO_3$)	Alkalinity (mg/L CaCO3)	Specific Conductance (umhos/cm)	pH	TSS (mg/L)	Al (mg/L)	Fe (mg/L)	Mn (mg/L)	Sulfate (mg/L)
9/19/05	10	Neg	72	668	7.35	6	0.1	0.18	1.53	295
12/19/05	200	Neg	48	655	6.71	<5	0.9	0.13	0.69	283
3/13/06	150	Neg	27	611	6.51	5	1.2	0.16	0.9	266
6/21/06	100	-21	57	587	7.03	<5	0.9	0.16	0.73	263
9/25/06	<10	-29	59	638	6.97	<5	1.1	0.39	0.43	312
12/15/06	100	-2	70	605	5.73	<5	0.8	0.15	0.75	281
3/13/07	250	-1	41	511	6.30	<5	1.1	0.12	0.01	240
6/8/07	75	-26	74	591	6.93	<5.0	1.1	0.23	0.76	242
9/20/07	25	-21	69	598	7.3	<5.0	0.8	0.14	0.47	251
12/18/07	225	9	28	517	5.89	<5	1.3	0.11	0.79	222
3/21/08	350	6	34	484	6.38	<5	1.1	0.12	0.69	197
6/19/08	150	-12	56	547	6.77	<5	1.4	0.2	0.8	242
9/22/08	Under Weir	-33	67	617	7.42	<5	0.4	0.09	0.5	250
12/16/08	Under Weir	-14	63	490	7.08	<5	0.4	0.15	0.58	201

Onstead - After Treatment

Date	Flow (gpm)	Acidity (mg/L $CaCO_3$)	Alkalinity (mg/L CaCO3)	Specific Conductance (umhos/cm)	pH	TSS (mg/L)	Al (mg/L)	Fe (mg/L)	Mn (mg/L)	Sulfate (mg/L)
9/19/05	10	Neg	90	671	7.55	<5	0.1	0.13	1.02	297
12/19/05	200	Neg	33	626	6.73	<5	0.7	0.1	0.69	278
3/13/06	150	Neg	31	612	6.61	<5	0.7	0.1	0.79	266
6/21/06	100	-25	51	591	7.21	<5	0.5	0.09	0.52	264
9/25/06	<10	-21	62	618	7.14	<5	0.2	0.1	0.12	305
12/15/06	100	-3	63	598	5.68	<5	0.8	0.14	0.74	280
3/13/07	250	-1	43	515	6.52	<5	0.8	0.1	0.87	243
6/8/07	75	-19	63	577	7.04	<5.0	0.7	0.17	0.66	238
9/20/07	25	-20	66	582	7.27	<5.0	0.4	0.15	0.33	240
12/18/07	225	8	30	506	6.23	5	0.9	0.08	0.77	216
3/21/08	350	6	36	486	6.49	<5	0.7	0.08	0.69	196
6/19/08	150	-17	70	546	7.12	<5	0.8	0.21	0.68	240
9/22/08	Under Weir	-56	84	637	7.7	<5	0.1	0.07	0.12	240
12/16/08	Under Weir	-16	93	515	7.21	<5	0.3	0.13	0.51	225