

EXTRACTION DATA

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UNIT D2 UPGRADIENT EXTRACTION DATA

Month of: Aug-11

Date	Horizontal Well Extraction			TW-9			TW-5			TW-21			Daily Flow	Daily Total
	HW-S			TW-9			TW-5			TW-21			GPM	Gallons
	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.		
Mon-8/1/11	-	-	-	100,816	70	24.00	116,221	81	24.00	200,704	139	24.00	290	417,741
Tue-8/2/11	-	-	-	100,890	70	24.00	116,249	81	24.00	206,330	143	24.00	294	423,469
Wed-8/3/11	-	-	-	100,807	70	24.00	116,343	81	24.00	206,274	143	24.00	294	423,424
Thu-8/4/11	-	-	-	100,779	70	24.00	116,260	81	24.00	206,268	143	24.00	294	423,307
Fri-8/5/11	-	-	-	100,709	70	24.00	116,398	81	24.00	206,341	143	24.00	294	423,448
Sat-8/6/11	-	-	-	100,768	70	24.00	116,463	81	24.00	206,314	143	24.00	294	423,545
Sun-8/7/11	-	-	-	100,702	70	24.00	116,517	81	24.00	206,009	143	23.98	294	423,228
Mon-8/8/11	-	-	-	100,592	70	24.00	116,629	81	24.00	194,946	135	24.00	286	412,167
Tue-8/9/11	-	-	-	68,872	70	16.43	85,399	81	17.50	131,138	133	16.42	198	285,409
Wed-8/10/11	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thu-8/11/11	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fri-8/12/11	8,604	26	5.53	23,273	70	5.55	18,619	78	3.97	42,937	133	5.40	65	93,433
Sat-8/13/11	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sun-8/14/11	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mon-8/15/11	-	-	-	61,227	70	14.58	67,487	77	14.52	117,379	133	14.68	171	246,093
Tue-8/16/11	-	-	-	100,906	70	24.00	111,494	77	24.00	191,864	133	24.00	281	404,264
Wed-8/17/11	28,550	26	18.40	90,498	63	24.00	108,649	75	24.00	182,879	127	24.00	285	410,576
Thu-8/18/11	37,652	26	24.00	86,539	60	24.00	108,396	75	24.00	180,336	125	24.00	287	412,923
Fri-8/19/11	37,897	26	24.00	86,464	60	24.00	107,561	75	24.00	193,364	134	24.00	295	425,286
Sat-8/20/11	25,499	26	16.07	57,446	66	14.55	76,770	74	17.20	127,432	146	14.51	199	287,147
Sun-8/21/11	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mon-8/22/11	29,188	28	17.30	77,973	75	17.33	65,509	72	15.08	148,333	143	17.32	223	321,003
Tue-8/23/11	40,741	28	24.00	107,769	75	24.00	103,724	72	24.00	201,945	140	24.00	315	454,179
Wed-8/24/11	8,805	28	5.20	90,992	63	24.00	113,125	79	24.00	201,973	140	24.00	288	414,895
Thu-8/25/11	-	-	-	86,242	60	24.00	115,112	80	24.00	216,393	150	24.00	290	417,747
Fri-8/26/11	-	-	-	86,431	60	24.00	116,451	81	24.00	233,088	162	24.00	303	435,970
Sat-8/27/11	-	-	-	86,373	60	24.00	116,555	81	24.00	245,208	170	24.00	311	448,136
Sun-8/28/11	-	-	-	86,198	60	24.00	116,924	81	24.00	245,148	170	24.00	311	448,270
Mon-8/29/11	-	-	-	86,254	60	24.00	115,833	80	24.00	231,430	161	24.00	301	433,517
Tue-8/30/11	-	-	-	86,398	60	24.00	115,682	80	24.00	191,675	133	24.00	273	393,755
Wed-8/31/11	-	-	-	86,529	60	24.00	115,786	80	24.00	180,920	126	24.00	266	383,235
TOTALS	216,936	27	134.50	2,262,447	66	572.45	2,710,156	79	572.27	4,896,623	142	572.31	269	10,086,167

TOTAL VOLUME EXTRACTED :	10,086,167 GALLONS
DAYS IN MONTH :	31 DAYS
MONTHLY AVERAGE FLOW RATE :	225.94 GPM

08/09/11-08/15/11 - Operation was shut down due to bromate analysis error by external lab.
 08/12/11 - Extraction was used to adjust the Pond level.
 08/12/11-08/24/11 - HZ-S was used periodically to adjust the Pond level.
 08/20/11-08/22/11 - Extraction was shut down due to power outages caused by storms in the area.

UNIT D2 DOWNGRADIENT EXTRACTION DATA

Month of: Aug-11

Date	LB-1			LB-3			Daily	Daily
	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.	Flow GPM	Total Gallons
Mon-8/1/11	86,461	60	24.00	57,716	40	24.00	100	144,177
Tue-8/2/11	86,468	60	24.00	57,562	40	24.00	100	144,030
Wed-8/3/11	86,470	60	23.98	57,704	40	23.98	100	144,174
Thu-8/4/11	86,470	60	24.00	57,532	40	24.00	100	144,002
Fri-8/5/11	86,468	60	24.00	57,484	40	24.00	100	143,952
Sat-8/6/11	86,466	60	24.00	57,661	40	24.00	100	144,127
Sun-8/7/11	86,462	60	24.00	57,796	40	24.00	100	144,258
Mon-8/8/11	86,467	60	24.00	57,756	40	24.00	100	144,223
Tue-8/9/11	67,763	60	18.80	45,312	40	18.80	79	113,075
Wed-8/10/11	-	-	-	-	-	-	0	-
Thu-8/11/11	-	-	-	-	-	-	0	-
Fri-8/12/11	15,365	60	4.27	10,221	40	4.28	18	25,586
Sat-8/13/11	-	-	-	-	-	-	0	-
Sun-8/14/11	-	-	-	-	-	-	0	-
Mon-8/15/11	42,766	60	11.88	28,599	40	11.97	50	71,365
Tue-8/16/11	86,469	60	23.98	57,579	40	24.00	100	144,048
Wed-8/17/11	86,471	60	24.00	57,682	40	24.00	100	144,153
Thu-8/18/11	86,473	60	24.00	57,514	40	24.00	100	143,987
Fri-8/19/11	86,461	60	24.00	57,543	40	24.00	100	144,004
Sat-8/20/11	66,004	60	18.32	44,009	40	18.32	76	110,013
Sun-8/21/11	-	-	-	-	-	-	0	-
Mon-8/22/11	52,528	60	14.58	35,081	40	14.58	61	87,609
Tue-8/23/11	86,468	60	24.00	57,688	40	24.00	100	144,156
Wed-8/24/11	86,463	60	24.00	57,628	40	24.00	100	144,091
Thu-8/25/11	86,468	60	24.00	57,607	40	24.00	100	144,075
Fri-8/26/11	86,475	60	23.98	57,778	40	24.00	100	144,253
Sat-8/27/11	86,468	60	24.00	57,660	40	23.98	100	144,128
Sun-8/28/11	86,468	60	24.00	57,657	40	24.00	100	144,125
Mon-8/29/11	86,478	60	24.00	57,592	40	24.00	100	144,070
Tue-8/30/11	86,474	60	24.00	57,749	40	24.00	100	144,223
Wed-8/31/11	86,475	60	24.00	57,642	40	24.00	100	144,117
TOTALS	2,060,269	60	571.79	1,373,752	40	571.91	77	3,434,021

TOTAL VOLUME EXTRACTED :	3,434,021
DAYS IN MONTH :	31
MONTHLY AVERAGE FLOW RATE :	76.93

08/09/11-08/15/11 - Operation was shut down due to bromate analysis error by external lab.
 08/20/11-08/22/11 - Extraction was shut down due to power outages caused by storms in the area.

CORE AREA EXTRACTION DATA

Month of: Aug-11

Core Area Well Extraction										Daily	Daily
Date	TW-2 (Dolph)			TW-10			TW-20			Flow	Total
	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.	GPM	Gallons
Mon-8/1/11	32,938	23	24.00	87,419	61	24.00	72,072	50	24.00	134	192,429
Tue-8/2/11	32,850	23	24.00	89,472	62	24.00	72,096	50	24.00	135	194,418
Wed-8/3/11	32,769	23	24.00	93,467	65	24.00	72,111	50	24.00	138	198,347
Thu-8/4/11	32,717	23	24.00	95,660	66	24.00	72,069	50	24.00	139	200,446
Fri-8/5/11	32,754	23	24.00	95,756	66	24.00	72,099	50	24.00	139	200,609
Sat-8/6/11	32,801	23	24.00	95,883	67	24.00	72,078	50	24.00	139	200,762
Sun-8/7/11	32,792	23	24.00	95,942	67	24.00	72,091	50	24.00	139	200,825
Mon-8/8/11	31,593	23	23.15	95,988	67	24.00	72,102	50	24.00	139	199,683
Tue-8/9/11	13,236	23	9.73	69,648	67	17.40	52,322	50	17.42	94	135,206
Wed-8/10/11	-	-	-	-	-	-	-	-	-	-	-
Thu-8/11/11	-	-	-	-	-	-	-	-	-	-	-
Fri-8/12/11	6,017	23	4.37	17,061	51	5.57	16,632	50	5.53	28	39,710
Sat-8/13/11	-	-	-	-	-	-	-	-	-	-	-
Sun-8/14/11	-	-	-	-	-	-	-	-	-	-	-
Mon-8/15/11	18,903	23	13.75	41,479	51	13.62	40,847	50	13.62	70	101,229
Tue-8/16/11	32,934	23	24.00	72,762	51	24.00	72,085	50	24.00	123	177,781
Wed-8/17/11	33,083	23	24.00	72,380	50	24.00	72,073	50	24.00	123	177,536
Thu-8/18/11	33,128	23	24.00	71,645	50	24.00	72,115	50	24.00	123	176,888
Fri-8/19/11	33,107	23	24.00	70,771	49	24.00	72,108	50	24.00	122	175,986
Sat-8/20/11	-	-	-	45,300	49	15.52	46,658	50	15.52	64	91,958
Sun-8/21/11	-	-	-	-	-	-	-	-	-	-	-
Mon-8/22/11	-	-	-	47,479	48	16.37	49,097	50	16.37	67	96,576
Tue-8/23/11	-	-	-	69,151	48	24.00	72,116	50	24.00	98	141,267
Wed-8/24/11	-	-	-	68,068	47	24.00	72,086	50	24.00	97	140,154
Thu-8/25/11	-	-	-	28,550	47	10.10	72,103	50	24.00	70	100,653
Fri-8/26/11	27,848	26	17.92	9,477	72	2.20	72,073	50	24.00	76	109,398
Sat-8/27/11	36,068	25	24.00	-	-	-	72,090	50	24.00	75	108,158
Sun-8/28/11	34,622	24	24.00	-	-	-	72,089	50	24.00	74	106,711
Mon-8/29/11	34,014	24	24.00	-	-	-	72,114	50	24.00	74	106,128
Tue-8/30/11	37,700	26	24.00	72,479	92	13.10	74,037	51	24.00	128	184,216
Wed-8/31/11	39,846	28	24.00	130,199	90	24.00	72,853	51	24.00	169	242,898
TOTALS	641,720	24	452.92	1,636,036	60	453.87	1,722,216	50	572.45	107	3,999,972

TOTAL VOLUME EXTRACTED :	3,999,972 GALLONS
DAYS IN MONTH :	31 DAYS
MONTHLY AVERAGE FLOW RATE :	89.61 GPM

08/09/11-08/15/11 - Operation was shut down due to bromate analysis error by external lab.
 08/20/11-08/22/11 - Extraction was shut down due to power outages caused by storms in the area.
 08/23/11-08/26/11 - Dolph was shut down for maintenance.
 08/26/11-08/31/11 - TW-10 was shut down for maintenance.

MARSHY AREA EXTRACTION DATA

Month of: Aug-11

Marshy Well Extraction				Daily	Daily
Date	PW-1 Gallons	GPM	Run Hrs.	Flow GPM	Total Gallons
Mon-8/1/11	5,644	4	24.00	4	5,644
Tue-8/2/11	5,459	4	24.00	4	5,459
Wed-8/3/11	5,379	4	24.00	4	5,379
Thu-8/4/11	5,392	4	24.00	4	5,392
Fri-8/5/11	5,278	4	24.00	4	5,278
Sat-8/6/11	5,093	4	24.00	4	5,093
Sun-8/7/11	5,031	3	24.00	3	5,031
Mon-8/8/11	5,024	3	24.00	3	5,024
Tue-8/9/11	3,750	4	17.42	3	3,750
Wed-8/10/11	-	-	-	-	-
Thu-8/11/11	-	-	-	-	-
Fri-8/12/11	-	-	-	-	-
Sat-8/13/11	-	-	-	-	-
Sun-8/14/11	-	-	-	-	-
Mon-8/15/11	-	-	-	-	-
Tue-8/16/11	4,976	6	13.95	3	4,976
Wed-8/17/11	8,067	6	24.00	6	8,067
Thu-8/18/11	7,901	5	24.00	5	7,901
Fri-8/19/11	7,861	5	24.00	5	7,861
Sat-8/20/11	5,577	5	17.00	4	5,577
Sun-8/21/11	-	-	-	-	-
Mon-8/22/11	5,757	6	16.33	4	5,757
Tue-8/23/11	8,102	6	24.00	6	8,102
Wed-8/24/11	7,757	5	24.00	5	7,757
Thu-8/25/11	7,576	5	24.00	5	7,576
Fri-8/26/11	4,796	4	17.88	3	4,796
Sat-8/27/11	3,287	4	14.85	2	3,287
Sun-8/28/11	3,375	3	16.10	2	3,375
Mon-8/29/11	3,923	3	20.00	3	3,923
Tue-8/30/11	3,939	3	19.90	3	3,939
Wed-8/31/11	3,550	3	17.57	2	3,550
TOTALS	132,494	4	507.00	4	132,494

TOTAL VOLUME EXTRACTED :	132,494 GALLONS
DAYS IN MONTH :	31 DAYS
MONTHLY AVERAGE FLOW RATE :	2.97 GPM

08/09/11-08/15/11 - Operation was shut down due to bromate analysis error by external lab.
 08/20/11-08/22/11 - Extraction was shut down due to power outages caused by storms in the area.
 08/26/11 - 08/31/11 - PW-1 was shut down periodically for maintenance.

SOUTHWEST AREA EXTRACTION DATA

Month of: Aug-11

SouthWest Well Extraction				Daily	Daily
Date	ACTIVE WELLS			Flow	Total
	Gallons	GPM	Run Hrs.	GPM	Gallons
Mon-8/1/11	-	-	-	∅	-
Tue-8/2/11	-	-	-	∅	-
Wed-8/3/11	-	-	-	∅	-
Thu-8/4/11	-	-	-	∅	-
Fri-8/5/11	-	-	-	∅	-
Sat-8/6/11	-	-	-	∅	-
Sun-8/7/11	-	-	-	∅	-
Mon-8/8/11	-	-	-	∅	-
Tue-8/9/11	-	-	-	∅	-
Wed-8/10/11	-	-	-	∅	-
Thu-8/11/11	-	-	-	∅	-
Fri-8/12/11	-	-	-	∅	-
Sat-8/13/11	-	-	-	∅	-
Sun-8/14/11	-	-	-	∅	-
Mon-8/15/11	-	-	-	∅	-
Tue-8/16/11	4,972	6	13.70	3	4,972
Wed-8/17/11	8,891	6	24.00	6	8,891
Thu-8/18/11	8,874	6	24.00	6	8,874
Fri-8/19/11	9,015	6	24.00	6	9,015
Sat-8/20/11	6,179	6	17.00	4	6,179
Sun-8/21/11	-	-	-	∅	-
Mon-8/22/11	6,316	6	16.30	4	6,316
Tue-8/23/11	8,865	6	24.00	6	8,865
Wed-8/24/11	43,364	30	24.00	30	43,364
Thu-8/25/11	53,485	37	24.00	37	53,485
Fri-8/26/11	47,991	37	21.50	33	47,991
Sat-8/27/11	53,605	37	24.00	37	53,605
Sun-8/28/11	53,630	37	24.00	37	53,630
Mon-8/29/11	53,628	37	24.00	37	53,628
Tue-8/30/11	53,623	37	24.00	37	53,623
Wed-8/31/11	53,633	37	24.00	37	53,633
TOTALS	466,071	22	332.50	22	466,071

TOTAL VOLUME EXTRACTED :	466,071 GALLONS
DAYS IN MONTH :	31 DAYS
MONTHLY AVERAGE FLOW RATE :	10.44 GPM

Note: ACTIVE WELLS = TW-8, TW-22

08/01/11- 08/08/11 - SW extraction was shut down for maintenance.

08/09/11-08/15/11 - Operation was shut down due to bromate analysis error by external lab.

08/20/11-08/22/11 - Extraction was shut down due to power outages caused by storms in the area.

UNIT "E" EXTRACTION DATA

Month of: Aug-11

Date	TW-11			TW-18			Daily	Daily
	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.	Flow GPM	Total Gallons
Mon-8/1/11	37,226	26	24.00	202,632	141	24.00	167	239,858
Tue-8/2/11	37,211	26	24.00	209,567	146	24.00	171	246,778
Wed-8/3/11	37,284	26	24.00	209,577	146	24.00	171	246,861
Thu-8/4/11	36,999	26	24.00	209,536	146	24.00	171	246,535
Fri-8/5/11	36,395	25	24.00	209,522	146	24.00	171	245,917
Sat-8/6/11	35,625	25	24.00	209,539	146	24.00	170	245,164
Sun-8/7/11	34,605	24	24.00	209,328	145	23.98	169	243,933
Mon-8/8/11	34,337	24	24.00	198,694	138	24.00	162	233,031
Tue-8/9/11	24,765	24	17.50	141,532	135	17.45	115	166,297
Wed-8/10/11	-	-	-	-	-	-	-	-
Thu-8/11/11	-	-	-	-	-	-	-	-
Fri-8/12/11	7,901	33	3.97	43,869	135	5.40	36	51,770
Sat-8/13/11	-	-	-	-	-	-	-	-
Sun-8/14/11	-	-	-	-	-	-	-	-
Mon-8/15/11	24,308	28	14.52	111,025	135	13.68	94	135,333
Tue-8/16/11	38,366	27	24.00	194,870	135	24.00	162	233,236
Wed-8/17/11	37,560	26	24.00	186,243	129	24.00	155	223,803
Thu-8/18/11	37,595	26	24.00	183,161	127	24.00	153	220,756
Fri-8/19/11	37,381	26	24.00	195,408	136	24.00	162	232,789
Sat-8/20/11	26,823	26	17.20	149,262	146	17.02	122	176,085
Sun-8/21/11	-	-	-	-	-	-	-	-
Mon-8/22/11	26,570	29	15.08	119,049	142	13.98	101	145,619
Tue-8/23/11	42,255	29	24.00	205,043	142	24.00	172	247,298
Wed-8/24/11	48,427	34	24.00	205,077	142	24.00	176	253,504
Thu-8/25/11	50,452	35	24.00	222,399	154	24.00	189	272,851
Fri-8/26/11	50,651	35	24.00	237,961	165	24.00	200	288,612
Sat-8/27/11	50,755	35	24.00	248,868	173	24.00	208	299,623
Sun-8/28/11	48,776	34	24.00	248,850	173	24.00	207	297,626
Mon-8/29/11	48,763	34	24.00	236,837	164	24.00	198	285,600
Tue-8/30/11	51,289	36	24.00	195,458	136	24.00	171	246,747
Wed-8/31/11	52,859	37	24.00	183,839	128	24.00	164	236,698
TOTALS	995,178	29	572.27	4,967,146	144	571.52	159	5,962,324

TOTAL VOLUME EXTRACTED :	5,962,324 GALLONS
DAYS IN MONTH :	31 DAYS
MONTHLY AVERAGE FLOW RATE :	133.56 GPM

08/09/11-08/15/11 - Operation was shut down due to bromate analysis error by external lab.
 08/20/11-08/22/11 - Extraction was shut down due to power outages caused by storms in the area.

TABLE #8

INDIVIDUAL PURGE WELL CONCENTRATIONS

SAMPLE ID	Date Sampled	1,4-DIOXANE (ppb)
DOLPH-08-01-11-08:04-1	8/1/11	74
TW-10-08-01-11-15:14-1	8/1/11	563
TW-20-08-01-11-15:10-1	8/1/11	1116
LB-1-08-01-11-11:40-1	8/1/11	638
LB-3-08-01-11-08:42-1	8/1/11	535
TW-21-08-01-11-14:49-1	8/1/11	144
TW-5-08-01-11-14:56-1	8/1/11	746
TW-9-08-01-11-15:17-1	8/1/11	752
TW-11-08-01-11-14:58-1	8/1/11	210
TW-18-08-01-11-08:06-1	8/1/11	302
PW-1-08-01-11-08:08-1	8/1/11	994
SW-COMB-08-01-11-08:02-1	8/1/11	474
TW-22-08-01-11-15:02-1	8/1/11	491

RED POND DATA

Month of: Aug-11

Date	Time	Notes	Red Pond				
			Pond	Level	Aeration	Influent	Influent
			Visual Chk	Feet	Hours	Hours	GPM
Mon-8/1/11	3:05		Y	4.2	-	24.00	694
Tue-8/2/11	3:00		Y	4.1	-	24.00	704
Wed-8/3/11	3:00		Y	4.2	-	24.00	707
Thu-8/4/11	3:00		Y	4.3	-	24.00	708
Fri-8/5/11	3:00		Y	4.3	-	24.00	708
Sat-8/6/11	3:00	(1)		4.4	-	24.00	707
Sun-8/7/11	3:00	(1)		4.5	-	24.00	706
Mon-8/8/11	3:00		Y	4.5	-	24.00	690
Tue-8/9/11	3:00		Y	5.0	-	18.80	624
Wed-8/10/11	3:00		Y	5.1	-	-	-
Thu-8/11/11	3:00		Y	4.9	-	-	-
Fri-8/12/11	3:00		Y	4.9	-	5.57	630
Sat-8/13/11	3:00	(1)		7.0	-	-	-
Sun-8/14/11	3:00	(1)		6.9	-	-	-
Mon-8/15/11	3:00		Y	6.9	-	14.68	629
Tue-8/16/11	3:00		Y	6.2	-	24.00	673
Wed-8/17/11	3:00		Y	5.8	-	24.00	676
Thu-8/18/11	3:00		Y	5.4	-	24.00	675
Fri-8/19/11	3:00		Y	-	-	24.00	691
Sat-8/20/11	3:00	(1)		4.6	-	18.32	616
Sun-8/21/11	3:00	(1)		5.2	-	-	-
Mon-8/22/11	3:00		Y	5.2	-	17.33	638
Tue-8/23/11	3:00		Y	5.1	-	24.00	697
Wed-8/24/11	3:00		Y	5.0	-	24.00	697
Thu-8/25/11	3:00		Y	5.0	-	24.00	692
Fri-8/26/11	3:00		Y	4.5	-	24.00	716
Sat-8/27/11	3:00	(1)		4.3	-	24.00	734
Sun-8/28/11	3:00	(1)		4.4	-	24.00	732
Mon-8/29/11	3:00		Y	4.3	-	24.00	713
Tue-8/30/11	3:00		Y	4.6	-	24.00	713
Wed-8/31/11	3:00		Y	4.9	-	24.00	739
TOTALS			-	-	-	579	

Daily readings are collected by the Operator at various times of the day, resulting in varied readings and calculations.

(1) Manual readings were not taken due to weekend and/or holiday.

TABLE #10

RED POND CONCENTRATIONS

Concentrations of 1,4-Dioxane found in the Red Pond

SAMPLE ID	Date Sampled	1,4-DIOXANE (ppb)
Red Pond-08-01-11-08:00-1	8/1/2011	430
Red Pond-08-08-11-08:45-1	8/8/111	481
Red Pond-08-10-11-1	8/10/2011	
Red Pond-08-10-11-08:00-5	8/10/2011	414
Red Pond-08-15-11-11:55-1	8/15/2011	365
Red Pond-08-22-11-11:40-1	8/22/2011	537
Red Pond-08-29-11-08:05-1	8/29/2011	401

OZONE OPERATION REPORT

Month of: Aug-11

Date	Time	Notes	SYSTEM-1A		SYSTEM-1B		SYSTEM-2A		SYSTEM-2B	
			Flow GPM	Run Hours	Flow GPM	Run Hours	Flow GPM	Run Hours	Flow GPM	Run Hours
Mon-8/1/11	3:07 AM		360	24.00	0	0.00	360	24.00	0	0.00
Tue-8/2/11	3:00 AM		360	24.00	0	0.00	360	24.00	0	0.00
Wed-8/3/11	3:00 AM		360	24.00	0	0.00	360	24.00	0	0.00
Thu-8/4/11	3:00 AM		360	24.00	0	0.00	360	24.00	0	0.00
Fri-8/5/11	3:00 AM		360	24.00	0	0.00	360	24.00	0	0.00
Sat-8/6/11	3:00 AM	(1)	360	24.00	0	0.00	360	24.00	0	0.00
Sun-8/7/11	3:00 AM	(1)	360	24.00	0	0.00	361	24.00	0	0.00
Mon-8/8/11	3:00 AM		360	24.00	0	0.00	360	23.97	0	0.00
Tue-8/9/11	3:00 AM		360	16.13	0	0.00	361	16.15	0	0.00
Wed-8/10/11	3:00 AM		0	0.45	0	0.00	0	0.50	0	0.00
Thu-8/11/11	3:00 AM		0	1.18	0	0.00	0	1.05	0	0.00
Fri-8/12/11	3:00 AM		0	0.15	0	0.00	0	0.15	0	0.00
Sat-8/13/11	3:00 AM	(1)	0	0.00	0	0.00	0	0.00	0	0.00
Sun-8/14/11	3:00 AM	(1)	0	0.00	0	0.00	0	0.00	0	0.00
Mon-8/15/11	3:00 AM		0	15.57	0	0.00	0	15.35	0	0.00
Tue-8/16/11	3:00 AM		360	24.00	0	0.00	360	24.00	0	0.00
Wed-8/17/11	3:00 AM		360	24.00	0	0.00	360	24.00	0	0.00
Thu-8/18/11	3:00 AM		360	24.00	0	0.00	361	24.00	0	0.00
Fri-8/19/11	3:00 AM		360	24.00	0	0.00	360	24.00	0	0.00
Sat-8/20/11	3:00 AM	(1)	360	14.30	0	0.00	361	14.32	0	0.00
Sun-8/21/11	3:00 AM	(1)	0	0.00	0	0.00	0	0.00	0	0.00
Mon-8/22/11	3:00 AM		0	16.57	0	0.00	0	16.43	0	0.00
Tue-8/23/11	3:00 AM		360	24.00	0	0.00	361	24.00	0	0.00
Wed-8/24/11	3:00 AM		360	24.00	0	0.00	360	24.00	0	0.00
Thu-8/25/11	3:00 AM		360	24.00	0	0.00	360	24.00	0	0.00
Fri-8/26/11	3:00 AM		360	24.00	0	0.00	359	24.00	0	0.00
Sat-8/27/11	3:00 AM	(1)	360	24.00	0	0.00	360	24.00	0	0.00
Sun-8/28/11	3:00 AM	(1)	360	24.00	0	0.00	361	24.00	0	0.00
Mon-8/29/11	3:00 AM		360	24.00	0	0.00	360	24.00	0	0.00
Tue-8/30/11	3:00 AM		360	24.00	0	0.00	360	24.00	0	0.00
Wed-8/31/11	3:00 AM		360	24.00	0	0.00	360	24.00	0	0.00

Daily readings are collected by the Operator at various times of the day, resulting in varied readings and calculations.

(1) Manual readings were not taken due to weekend and/or holiday.

08/09/11-08/15/11 - Extraction and treatment were shut down due to bromate analysis error by external lab.

08/20/11-08/22/11 - Extraction and treatment were shut down due to power outages caused by storms in the area.

TABLE #12

GREEN POND / DISCHARGE DATA

Month of: Aug-11

			Green Pond																			
Date	Time	Notes	Pond			Aeration			Influent		Pond Discharge			Bypass Discharge			Recirc Thru UV to Pond			Recirc Thru UV to Disch		
			Visual Chk	Level Feet	Hours	Hours	GPM	GPM	Gallons	Hours	GPM	Gallons	Hours	GPM	Gallons	Hours	GPM	Gallons	Hours	GPM	Gallons	Hours
Mon-8/1/11	3:05 AM		Y	-	-									746	1,074,957	24.00	-	-	-	-	-	-
Tue-8/2/11	3:00 AM		Y	-	-									746	1,074,933	24.00	-	-	-	-	-	-
Wed-8/3/11	3:00 AM		Y	-	-									746	1,074,654	24.00	-	-	-	-	-	-
Thu-8/4/11	3:00 AM		Y	-	-									746	1,074,746	24.00	-	-	-	-	-	-
Fri-8/5/11	3:00 AM		Y	-	-									746	1,074,708	24.00	-	-	-	-	-	-
Sat-8/6/11	3:00 AM	(1)	-	-	-									746	1,074,431	24.00	-	-	-	-	-	-
Sun-8/7/11	3:00 AM	(1)	-	-	-									747	1,076,037	24.00	-	-	-	-	-	-
Mon-8/8/11	3:00 AM		Y	-	-									718	1,033,657	24.00	-	-	-	-	-	-
Tue-8/9/11	3:00 AM		Y	-	-									738	724,066	16.35	-	-	-	-	-	-
Wed-8/10/11	3:00 AM		Y	-	-									398	19,089	0.80	-	-	-	-	-	-
Thu-8/11/11	3:00 AM		Y	-	-									-	-	-	-	-	-	-	-	-
Fri-8/12/11	3:00 AM		Y	-	-									-	-	-	-	-	-	-	-	-
Sat-8/13/11	3:00 AM	(1)	-	-	-									-	-	-	-	-	-	-	-	-
Sun-8/14/11	3:00 AM	(1)	-	-	-									-	-	-	-	-	-	-	-	-
Mon-8/15/11	3:00 AM		Y	-	-									740	685,766	15.45	-	-	-	-	-	-
Tue-8/16/11	3:00 AM		Y	-	-									747	1,075,761	24.00	-	-	-	-	-	-
Wed-8/17/11	3:00 AM		Y	-	-									747	1,075,733	24.00	-	-	-	-	-	-
Thu-8/18/11	3:00 AM		Y	-	-									747	1,076,395	24.00	-	-	-	-	-	-
Fri-8/19/11	3:00 AM		Y	-	-									748	1,076,463	24.00	-	-	-	-	-	-
Sat-8/20/11	3:00 AM	(1)	-	-	-									747	642,748	14.33	-	-	-	-	-	-
Sun-8/21/11	3:00 AM	(1)	-	-	-									-	-	-	-	-	-	-	-	-
Mon-8/22/11	3:00 AM		Y	-	-									738	678,615	15.32	-	-	-	-	-	-
Tue-8/23/11	3:00 AM		Y	-	-									741	1,067,115	24.00	-	-	-	-	-	-
Wed-8/24/11	3:00 AM		Y	-	-									742	1,068,292	24.00	-	-	-	-	-	-
Thu-8/25/11	3:00 AM		Y	-	-									742	1,068,744	24.00	-	-	-	-	-	-
Fri-8/26/11	3:00 AM		Y	-	-									742	1,067,840	24.00	-	-	-	-	-	-
Sat-8/27/11	3:00 AM	(1)	-	-	-									743	1,069,475	24.00	-	-	-	-	-	-
Sun-8/28/11	3:00 AM	(1)	-	-	-									743	1,070,075	24.00	-	-	-	-	-	-
Mon-8/29/11	3:00 AM		Y	-	-									744	1,070,809	24.00	-	-	-	-	-	-
Tue-8/30/11	3:00 AM		Y	-	-									744	1,070,900	24.00	-	-	-	-	-	-
Wed-8/31/11	3:00 AM		Y	-	-									744	1,071,190	24.00	-	-	-	-	-	-
TOTALS															25,237,199	566						

Daily readings are collected by the Operator at various times of the day, resulting in varied readings and calculations.

(1) Manual readings were not taken due to weekend and/or holiday.

08/09/11-08/15/11 - Operation was shut down due to bromate analysis error by external lab.

08/20/11-08/22/11 - Discharge was shut down due to power outages caused by storms in the area.

TABLE #13
Daily Discharge Monitoring Report

	(Daily)	(Influent - Red Pond)	(Effluent - Outfall)	(Effluent - Outfall)	(Weekly)	(2 x Week)	(4 x Week)	(5 X Week)	(2 X Week)
PARAMETER NAME	Flow	1,4-Dioxane	1,4-Dioxane	Hydrogen Peroxide (measured as TRO)	Outfall Observation	Equipment Inspection	pH	Bromate	Sodium Bisulfite Dose Rate
PARAMETER CODE	50050	82388	82388	00139	84130	46478	00400	99814	99798
MONITORING PT.	001A	001A	001A	001A	001A	001A	001A	001A	001A
STAGE CODE	1	G	1	1	1	1	1	1	1
UNIT	MGD	mg/l	ug/l	ug/l	yes/no	yes/no	S.U.	ug/l	mg/l
8/1/2011	1.075	0.430	5	0	yes	yes	6.7	5	26
8/2/2011	1.075		4	0	no	no	6.7	5	26
8/3/2011	1.075		4	0	no	no	6.7	5	24
8/4/2011	1.075		5	0	no	yes	6.7	6	26
8/5/2011	1.075			0	no	no	6.7		30
8/6/2011	1.074								
8/7/2011	1.076		4					6	
8/8/2011	1.034	0.481	4	0	yes	yes	6.7	6	28
8/9/2011	0.724		3	0	no	no	6.7	5	42
8/10/2011	0.019	0.414							
8/11/2011	0.000								
8/12/2011	0.000								
8/13/2011	0.000								
8/14/2011	0.000								
8/15/2011	0.686	0.365	4	0	yes	yes	6.6	6	45
8/16/2011	1.076		4	0	no	no	6.6	0	32
8/17/2011	1.076		5	0	no	no	6.8	5	24
8/18/2011	1.076		5	0	no	yes	6.7	8	18
8/19/2011	1.076			100	no	no	6.8		16
8/20/2011	0.643								
8/21/2011	0.000								
8/22/2011	0.679	0.537	4	100	yes	yes	6.8	0	16
8/23/2011	1.067		4	0	no	no	6.7	0	16
8/24/2011	1.068		5	100	no	no	6.8	0	18
8/25/2011	1.069		4	0	no	yes	6.8	0	16
8/26/2011	1.068			0	no	no	6.8		20
8/27/2011	1.069								
8/28/2011	1.070		3					6	
8/29/2011	1.071	0.401	3	0	yes	yes	6.7	4	50
8/30/2011	1.071		3	0	no	no	6.7	4	34
8/31/2011	1.071		4	0	no	no	6.7	0	36
Discharged (mg)	25.237								
Monthly Avg			4					4	

Bromate: A zero value equals ND (less than 5 ppb)
Hydrogen Peroxide - A zero value equals ND (less than .1ppm)