



EXTRACTION DATA

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UNIT D2 UPGRADIENT EXTRACTION DATA

Month of: **Nov-11**

Date	TW-9			TW-5			TW-21			Daily Flow	Daily Total
	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.	GPM	Gallons
Tue-11/1/11	86,573	60	24.00	112,569	78	24.00	180,049	125	24.00	263	379,191
Wed-11/2/11	86,606	60	24.00	112,638	78	24.00	180,092	125	24.00	263	379,336
Thu-11/3/11	86,571	60	24.00	112,496	78	24.00	180,029	125	24.00	263	379,096
Fri-11/4/11	86,593	60	24.00	112,559	78	24.00	180,029	125	24.00	263	379,181
Sat-11/5/11	86,532	60	24.00	112,554	78	24.00	180,019	125	24.00	263	379,105
Sun-11/6/11	86,492	60	24.00	112,502	78	24.00	180,076	125	24.00	263	379,070
Mon-11/7/11	86,529	60	24.00	112,456	78	24.00	180,102	125	24.00	263	379,087
Tue-11/8/11	86,464	60	24.00	112,546	78	24.00	180,133	125	24.00	263	379,143
Wed-11/9/11	86,626	60	24.00	112,695	78	24.00	180,078	125	24.00	263	379,399
Thu-11/10/11	86,344	60	24.00	112,715	78	24.00	179,984	125	24.00	263	379,043
Fri-11/11/11	86,514	60	24.00	112,642	78	24.00	179,962	125	24.00	263	379,118
Sat-11/12/11	86,748	60	24.00	112,545	78	24.00	180,037	125	24.00	263	379,330
Sun-11/13/11	86,760	60	24.00	112,529	78	24.00	180,093	125	24.00	263	379,382
Mon-11/14/11	86,800	60	24.00	112,730	78	24.00	162,996	113	24.00	252	362,526
Tue-11/15/11	86,741	60	24.00	112,853	78	24.00	144,043	100	24.00	239	343,637
Wed-11/16/11	86,385	60	24.00	112,260	78	24.00	143,990	100	24.00	238	342,635
Thu-11/17/11	86,689	60	24.00	109,533	76	24.00	143,942	100	24.00	236	340,164
Fri-11/18/11	86,583	60	24.00	109,865	76	24.00	143,953	100	24.00	236	340,401
Sat-11/19/11	86,588	60	24.00	109,998	76	24.00	143,984	100	24.00	237	340,570
Sun-11/20/11	86,656	60	24.00	109,957	76	24.00	144,020	100	24.00	237	340,633
Mon-11/21/11	86,769	60	24.00	109,722	76	24.00	150,907	105	24.00	241	347,398
Tue-11/22/11	86,649	60	24.00	109,536	76	24.00	162,419	113	24.00	249	358,604
Wed-11/23/11	86,587	60	24.00	109,558	76	24.00	164,681	114	24.00	251	360,826
Thu-11/24/11	86,506	60	24.00	109,636	76	24.00	172,778	120	24.00	256	368,920
Fri-11/25/11	86,503	60	24.00	109,734	76	24.00	172,857	120	24.00	256	369,094
Sat-11/26/11	86,512	60	24.00	109,697	76	24.00	172,870	120	24.00	256	369,079
Sun-11/27/11	86,572	60	24.00	109,747	76	24.00	172,849	120	24.00	256	369,168
Mon-11/28/11	86,662	60	24.00	109,733	76	24.00	160,180	111	24.00	248	356,575
Tue-11/29/11	86,645	60	23.98	109,792	76	23.98	143,780	100	24.00	236	340,217
Wed-11/30/11	82,172	60	22.82	108,661	75	24.00	136,404	95	24.00	227	327,237
TOTALS	2,593,371	60	718.80	3,336,458	77	719.98	4,977,336	115	720.00	252	10,907,165

TOTAL VOLUME EXTRACTED :	10,907,165 GALLONS
DAYS IN MONTH :	30 DAYS
MONTHLY AVERAGE FLOW RATE :	252.48 GPM

11/30/11 - TW-9 was shut down briefly due to a DTE power failure.

UNIT D2 DOWNGRADIENT EXTRACTION DATA

Month of: Nov-11

Date	LB-1			LB-3			Daily	Daily
	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.	Flow GPM	Total Gallons
Tue-11/1/11	86,516	60	24.00	57,591	40	24.00	100	144,107
Wed-11/2/11	65,364	60	18.13	57,507	40	24.00	85	122,871
Thu-11/3/11	86,496	60	24.00	57,637	40	24.00	100	144,133
Fri-11/4/11	86,504	60	24.00	57,774	40	24.00	100	144,278
Sat-11/5/11	86,505	60	24.00	57,837	40	24.00	100	144,362
Sun-11/6/11	86,494	60	24.00	57,739	40	23.98	100	144,233
Mon-11/7/11	86,498	60	24.00	57,887	40	24.00	100	144,385
Tue-11/8/11	86,493	60	23.98	58,118	40	24.00	100	144,611
Wed-11/9/11	67,205	51	22.02	42,864	34	21.18	76	110,069
Thu-11/10/11	54,450	52	17.53	35,541	34	17.32	62	89,991
Fri-11/11/11	73,945	60	20.60	47,010	40	19.70	84	120,955
Sat-11/12/11	86,134	60	23.98	57,659	40	24.00	100	143,793
Sun-11/13/11	86,138	60	24.00	57,836	40	24.00	100	143,974
Mon-11/14/11	86,217	60	24.00	57,828	40	24.00	100	144,045
Tue-11/15/11	86,323	60	24.00	57,635	40	23.98	100	143,958
Wed-11/16/11	86,257	60	24.00	57,679	40	24.00	100	143,936
Thu-11/17/11	86,168	60	24.00	57,588	40	24.00	100	143,756
Fri-11/18/11	86,159	60	24.00	57,871	40	24.00	100	144,030
Sat-11/19/11	86,205	60	23.98	57,829	40	24.00	100	144,034
Sun-11/20/11	86,177	60	24.00	57,653	40	24.00	100	143,830
Mon-11/21/11	86,154	60	24.00	57,727	40	24.00	100	143,881
Tue-11/22/11	85,760	60	23.87	57,809	40	23.98	100	143,569
Wed-11/23/11	86,318	60	24.00	57,752	40	24.00	100	144,070
Thu-11/24/11	86,241	60	24.00	57,822	40	24.00	100	144,063
Fri-11/25/11	86,207	60	23.98	57,700	40	24.00	100	143,907
Sat-11/26/11	86,143	60	24.00	57,526	40	24.00	100	143,669
Sun-11/27/11	86,156	60	24.00	57,594	40	24.00	100	143,750
Mon-11/28/11	86,138	60	24.00	57,852	40	23.98	100	143,990
Tue-11/29/11	86,180	60	24.00	57,791	40	24.00	100	143,971
Wed-11/30/11	86,149	60	24.00	57,727	40	24.00	100	143,876
TOTALS	2,503,694	59	702.07	1,684,403	40	706.12	97	4,188,097

TOTAL VOLUME EXTRACTED :	4,188,097 GALLONS
DAYS IN MONTH :	30 DAYS
MONTHLY AVERAGE FLOW RATE :	96.95 GPM

11/02/11 - LB-1 was shut down for maintenance.

11/09/11 - 11/11/11 - Evergreen extraction was shut down for start-up of the pipeline extension.

CORE AREA EXTRACTION DATA

Month of: **Nov-11**

Core Area Well Extraction										Daily	Daily
Date	TW-2 (Dolph)			TW-10			TW-20			Flow GPM	Total Gallons
	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.		
Tue-11/1/11	38,907	27	24.00	131,260	91	24.00	73,130	51	24.00	169	243,297
Wed-11/2/11	38,966	27	24.00	131,207	91	24.00	73,504	51	24.00	169	243,677
Thu-11/3/11	38,907	27	24.00	131,172	91	24.00	73,508	51	24.00	169	243,587
Fri-11/4/11	38,921	27	24.00	131,224	91	24.00	73,497	51	24.00	169	243,642
Sat-11/5/11	38,982	27	24.00	131,162	91	24.00	73,510	51	24.00	169	243,654
Sun-11/6/11	38,987	27	24.00	131,150	91	24.00	73,512	51	24.00	169	243,649
Mon-11/7/11	38,506	27	24.00	131,089	91	24.00	73,512	51	24.00	169	243,107
Tue-11/8/11	38,631	27	24.00	130,884	91	24.00	73,535	51	24.00	169	243,050
Wed-11/9/11	38,729	27	24.00	130,475	91	24.00	73,527	51	24.00	169	242,731
Thu-11/10/11	38,689	27	24.00	130,397	91	24.00	73,500	51	24.00	168	242,586
Fri-11/11/11	38,742	27	24.00	130,527	91	24.00	73,519	51	24.00	169	242,788
Sat-11/12/11	38,803	27	24.00	130,845	91	24.00	73,507	51	24.00	169	243,155
Sun-11/13/11	38,877	27	24.00	130,894	91	24.00	73,511	51	24.00	169	243,282
Mon-11/14/11	38,824	27	24.00	121,103	84	24.00	73,517	51	24.00	162	233,444
Tue-11/15/11	38,784	27	24.00	108,912	76	24.00	73,526	51	24.00	154	221,222
Wed-11/16/11	38,799	27	24.00	108,675	75	24.00	73,502	51	24.00	153	220,976
Thu-11/17/11	38,719	27	24.00	108,512	75	24.00	73,492	51	24.00	153	220,723
Fri-11/18/11	32,034	22	24.00	108,189	75	24.00	73,482	51	24.00	148	213,705
Sat-11/19/11	31,186	22	24.00	108,053	75	24.00	73,484	51	24.00	148	212,723
Sun-11/20/11	30,936	21	24.00	107,960	75	24.00	73,499	51	24.00	147	212,395
Mon-11/21/11	33,419	23	24.00	108,127	75	24.00	73,470	51	24.00	149	215,016
Tue-11/22/11	36,570	25	24.00	108,172	75	24.00	73,486	51	24.00	152	218,228
Wed-11/23/11	36,566	25	24.00	108,212	75	24.00	73,470	51	24.00	152	218,248
Thu-11/24/11	36,655	25	24.00	108,286	75	24.00	73,482	51	24.00	152	218,423
Fri-11/25/11	36,946	26	24.00	108,272	75	24.00	73,474	51	24.00	152	218,692
Sat-11/26/11	37,047	26	24.00	108,121	75	24.00	73,509	51	24.00	152	218,677
Sun-11/27/11	37,065	26	24.00	108,041	75	24.00	73,524	51	24.00	152	218,630
Mon-11/28/11	37,049	26	24.00	108,025	75	24.00	73,513	51	24.00	152	218,587
Tue-11/29/11	37,052	26	24.00	108,005	75	24.00	73,518	51	24.00	152	218,575
Wed-11/30/11	37,055	26	24.00	107,998	75	24.00	73,512	51	24.00	152	218,565
TOTALS	1,119,353	26	720.00	3,554,949	82	720.00	2,204,732	51	720.00	159	6,879,034

TOTAL VOLUME EXTRACTED :	6,879,034 GALLONS
DAYS IN MONTH :	30 DAYS
MONTHLY AVERAGE FLOW RATE :	159.24 GPM

MARSHY AREA EXTRACTION DATA

Month of: Nov-11

Marshy Well Extraction				Daily	Daily
Date	PW-I Gallons	GPM	Run Hrs.	Flow GPM	Total Gallons
Tue-11/1/11	5,396	4	24.00	4	5,396
Wed-11/2/11	5,368	4	24.00	4	5,368
Thu-11/3/11	5,332	4	24.00	4	5,332
Fri-11/4/11	5,309	4	24.00	4	5,309
Sat-11/5/11	5,291	4	24.00	4	5,291
Sun-11/6/11	5,284	4	24.00	4	5,284
Mon-11/7/11	5,282	4	24.00	4	5,282
Tue-11/8/11	5,245	4	24.00	4	5,245
Wed-11/9/11	5,255	4	24.00	4	5,255
Thu-11/10/11	5,228	4	24.00	4	5,228
Fri-11/11/11	5,063	4	24.00	4	5,063
Sat-11/12/11	4,866	3	24.00	3	4,866
Sun-11/13/11	4,735	3	24.00	3	4,735
Mon-11/14/11	4,781	3	24.00	3	4,781
Tue-11/15/11	5,032	3	24.00	3	5,032
Wed-11/16/11	5,043	4	24.00	4	5,043
Thu-11/17/11	5,146	4	24.00	4	5,146
Fri-11/18/11	5,095	4	24.00	4	5,095
Sat-11/19/11	5,029	3	24.00	3	5,029
Sun-11/20/11	5,032	3	24.00	3	5,032
Mon-11/21/11	5,099	4	24.00	4	5,099
Tue-11/22/11	5,108	4	24.00	4	5,108
Wed-11/23/11	5,179	4	24.00	4	5,179
Thu-11/24/11	5,101	4	24.00	4	5,101
Fri-11/25/11	4,985	3	24.00	3	4,985
Sat-11/26/11	4,991	3	24.00	3	4,991
Sun-11/27/11	4,994	3	24.00	3	4,994
Mon-11/28/11	5,010	3	24.00	3	5,010
Tue-11/29/11	4,990	3	24.00	3	4,990
Wed-11/30/11	4,995	3	24.00	3	4,995
TOTALS	153,264	4	720.00	4	153,264

TOTAL VOLUME EXTRACTED :	153,264 GALLONS
DAYS IN MONTH :	30 DAYS
MONTHLY AVERAGE FLOW RATE :	3.55 GPM

SOUTHWEST AREA EXTRACTION DATA

Month of: **Nov-11**

South West Well Extraction				Daily	Daily
Date	ACTIVE WELLS			Flow	Total
	Gallons	GPM	Run Hrs.	GPM	Gallons
Tue-11/1/11	49,809	35	24,00	35	49,809
Wed-11/2/11	50,021	35	24,00	35	50,021
Thu-11/3/11	50,033	35	24,00	35	50,033
Fri-11/4/11	50,015	35	24,00	35	50,015
Sat-11/5/11	50,008	35	24,00	35	50,008
Sun-11/6/11	50,024	35	24,00	35	50,024
Mon-11/7/11	49,832	35	24,00	35	49,832
Tue-11/8/11	49,734	35	24,00	35	49,734
Wed-11/9/11	49,742	35	24,00	35	49,742
Thu-11/10/11	49,615	34	24,00	34	49,615
Fri-11/11/11	49,544	34	24,00	34	49,544
Sat-11/12/11	49,467	34	24,00	34	49,467
Sun-11/13/11	49,448	34	24,00	34	49,448
Mon-11/14/11	49,359	34	24,00	34	49,359
Tue-11/15/11	49,274	34	24,00	34	49,274
Wed-11/16/11	49,203	34	24,00	34	49,203
Thu-11/17/11	49,151	34	24,00	34	49,151
Fri-11/18/11	49,123	34	24,00	34	49,123
Sat-11/19/11	49,115	34	24,00	34	49,115
Sun-11/20/11	49,008	34	24,00	34	49,008
Mon-11/21/11	48,981	34	24,00	34	48,981
Tue-11/22/11	49,015	34	24,00	34	49,015
Wed-11/23/11	48,945	34	24,00	34	48,945
Thu-11/24/11	48,903	34	24,00	34	48,903
Fri-11/25/11	48,920	34	24,00	34	48,920
Sat-11/26/11	48,849	34	24,00	34	48,849
Sun-11/27/11	48,815	34	24,00	34	48,815
Mon-11/28/11	48,741	34	24,00	34	48,741
Tue-11/29/11	48,780	34	24,00	34	48,780
Wed-11/30/11	48,795	34	24,00	34	48,795
TOTALS	1,480,269	34	720.00	34	1,480,269

TOTAL VOLUME EXTRACTED :	1,480,269 GALLONS
DAYS IN MONTH :	30 DAYS
MONTHLY AVERAGE FLOW RATE :	34.27 GPM

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

UNIT "E" EXTRACTION DATA

Month of: Nov-11

Date	TW-11			TW-18			TW-19			Daily	Daily
	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.	Flow GPM	Total Gallons
Tue-11/1/11	55,284	38	24.00	182,295	127	24.00	-	-	-	165	237,579
Wed-11/2/11	55,077	38	24.00	182,293	127	24.00	-	-	-	165	237,370
Thu-11/3/11	55,322	38	24.00	182,302	127	24.00	-	-	-	165	237,624
Fri-11/4/11	55,328	38	24.00	182,298	127	24.00	-	-	-	165	237,626
Sat-11/5/11	55,400	38	24.00	182,298	127	24.00	-	-	-	165	237,698
Sun-11/6/11	55,815	39	24.00	182,305	127	24.00	-	-	-	165	238,120
Mon-11/7/11	55,857	39	24.00	182,284	127	24.00	2,258	63	0.60	167	240,399
Tue-11/8/11	55,809	39	24.00	182,301	127	24.00	-	-	-	165	238,110
Wed-11/9/11	55,670	39	24.00	182,287	127	24.00	5,643	78	1.20	169	243,600
Thu-11/10/11	55,649	39	24.00	182,254	127	24.00	3,281	60	0.92	167	241,184
Fri-11/11/11	55,467	39	24.00	182,239	127	24.00	3,633	67	0.90	168	241,339
Sat-11/12/11	55,469	39	24.00	182,245	127	24.00	-	-	-	165	237,714
Sun-11/13/11	55,474	39	24.00	182,268	127	24.00	-	-	-	165	237,742
Mon-11/14/11	55,261	38	24.00	166,562	116	24.00	61,332	70	14.60	197	283,155
Tue-11/15/11	55,300	38	24.00	145,931	101	24.00	108,078	75	24.00	215	309,309
Wed-11/16/11	55,230	38	24.00	145,898	101	24.00	108,079	75	24.00	215	309,207
Thu-11/17/11	55,294	38	24.00	145,897	101	24.00	108,079	75	24.00	215	309,270
Fri-11/18/11	55,040	38	24.00	145,881	101	24.00	108,080	75	24.00	215	309,001
Sat-11/19/11	55,174	38	24.00	145,887	101	24.00	108,075	75	24.00	215	309,136
Sun-11/20/11	55,139	38	24.00	145,885	101	24.00	108,078	75	24.00	215	309,102
Mon-11/21/11	57,459	40	24.00	152,004	106	24.00	108,079	75	24.00	221	317,542
Tue-11/22/11	59,262	41	24.00	164,864	114	24.00	110,130	77	23.95	232	334,256
Wed-11/23/11	58,797	41	24.00	166,210	115	24.00	87,983	65	22.45	217	312,990
Thu-11/24/11	58,815	41	24.00	174,962	122	24.00	79,021	55	24.00	217	312,798
Fri-11/25/11	58,822	41	24.00	174,997	122	24.00	79,662	55	24.00	218	313,481
Sat-11/26/11	58,533	41	24.00	175,011	122	24.00	79,901	55	24.00	218	313,445
Sun-11/27/11	58,369	41	24.00	175,010	122	24.00	79,966	56	24.00	218	313,345
Mon-11/28/11	58,347	41	24.00	163,490	114	24.00	98,859	79	20.88	223	320,696
Tue-11/29/11	58,081	40	24.00	165,532	115	24.00	144,073	102	23.63	255	367,686
Wed-11/30/11	53,957	37	24.00	166,817	116	24.00	97,399	98	16.60	221	318,173
TOTALS	1,688,501	39	720.00	5,090,507	118	720.00	1,689,689	72	389.73	196	8,468,697

TOTAL VOLUME EXTRACTED :	8,468,697 GALLONS
DAYS IN MONTH :	30 DAYS
MONTHLY AVERAGE FLOW RATE :	196.03 GPM

11/14/11 - TW-19 extraction resumed.
 11/23/11 - TW-19 was shut down for maintenance.
 11/28/11 - 11/30/11 - TW-19 was shut down for maintenance.

TABLE #7
Little Lake Area System Purgings

MW-53i table with columns Date, 1,4 Dioxane ug/L. Data range 06/09/00 to 11/20/00.

MW-53i table with columns Date, 1,4 Dioxane ug/L. Data range 12/04/00 to 06/12/01.

MW-53i table with columns Date, 1,4 Dioxane ug/L. Data range 06/25/01 to 04/15/02.

MW-53i table with columns Date, 1,4 Dioxane ug/L. Data range 04/29/02 to 04/04/03.

MW-53i table with columns Date, 1,4 Dioxane ug/L. Data range 04/11/03 to 08/18/04.

MW-53i table with columns Date, 1,4 Dioxane ug/L. Data range 09/07/04 to 04/10/06.

MW-53i table with columns Date, 1,4 Dioxane ug/L. Data range 05/04/06 to 04/10/09.

MW-53i table with columns Date, 1,4 Dioxane ug/L. Data range 07/13/09 to 10/06/11.

Ann Arbor Cleaning Supply Well table with columns Date, 1,4 Dioxane ug/L. Data range 05/02/03 to 05/11/04.

Ann Arbor Cleaning Supply Well table with columns Date, 1,4 Dioxane ug/L. Data range 06/02/04 to 06/27/05.

Ann Arbor Cleaning Supply Well table with columns Date, 1,4 Dioxane ug/L. Data range 07/08/05 to 07/07/06.

Ann Arbor Cleaning Supply Well table with columns Date, 1,4 Dioxane ug/L. Data range 08/03/06 to 08/07/07.

Ann Arbor Cleaning Supply Well table with columns Date, 1,4 Dioxane ug/L. Data range 09/06/07 to 08/07/08.

Ann Arbor Cleaning Supply Well table with columns Date, 1,4 Dioxane ug/L. Data range 09/04/08 to 09/03/09.

Ann Arbor Cleaning Supply Well table with columns Date, 1,4 Dioxane ug/L. Data range 10/01/09 to 10/07/10.

Ann Arbor Cleaning Supply Well table with columns Date, 1,4 Dioxane ug/L. Data range 11/09/10 to 11/11/11.

TABLE #8

INDIVIDUAL PURGE WELL CONCENTRATIONS

SAMPLE ID	Date Sampled	1,4-DIOXANE (ppb)
DOLPH-11-07-11-08:54-1	11/7/11	60
TW-10-11-08-11-09:00-1	11/8/11	630
TW-20-11-08-11-08:55-1	11/8/11	1079
LB-1-11-07-11-07:40-1	11/7/11	617
LB-3-11-07-11-07:42-1	11/7/11	502
TW-21-11-08-11-08:40-1	11/8/11	143
TW-5-11-08-11-08:45-1	11/8/11	796
TW-9-11-08-11-09:05-1	11/8/11	811
TW-11-11-08-11-08:46-1	11/8/11	196
TW-18-11-07-11-08:56-1	11/7/11	331
TW-19-11-14-11-15:10-1	11/14/11	1172
TW-19-11-22-11-07:40-1	11/22/11	974
PW-1-11-07-11-08:58-1	11/7/11	874
SW-COMB-11-07-11-08:52-1	11/7/11	453
TW-22-11-08-11-09:27-1	11/8/11	644
TW-8-11-08-11-09:25-1	11/8/11	423

RED POND DATA

Month of: Nov-11

Date	Time	Notes	Red Pond				
			Pond	Level	Aeration	Influent	Influent
			Visual Chk	Feet	Hours	Hours	GPM
Tue-11/1/11	3:05		Y	5.2	-	24.00	756
Wed-11/2/11	3:00		Y	5.9	-	24.00	721
Thu-11/3/11	3:00		Y	5.7	-	24.00	756
Fri-11/4/11	3:00		Y	5.6	-	24.00	736
Sat-11/5/11	3:00	(1)		5.5	-	24.00	756
Sun-11/6/11	3:00	(1)		5.5	-	24.00	736
Mon-11/7/11	3:00		Y	5.4	-	24.00	738
Tue-11/8/11	3:00		Y	5.3	-	24.00	736
Wed-11/9/11	3:00		Y	6.0	-	24.00	716
Thu-11/10/11	3:00		Y	5.7	-	24.00	700
Fri-11/11/11	3:00		Y	5.3	-	24.00	721
Sat-11/12/11	3:00	(1)		5.0	-	24.00	735
Sun-11/13/11	3:00	(1)		5.1	-	24.00	735
Mon-11/14/11	3:00		Y	5.2	-	24.00	748
Tue-11/15/11	3:00		Y	5.3	-	24.00	745
Wed-11/16/11	3:00		Y	5.4	-	24.00	744
Thu-11/17/11	3:00		Y	5.2	-	24.00	742
Fri-11/18/11	3:00		Y	4.9	-	24.00	737
Sat-11/19/11	3:00	(1)		4.5	-	24.00	737
Sun-11/20/11	3:00	(1)		4.3	-	24.00	736
Mon-11/21/11	3:00		Y	3.9	-	24.00	749
Tue-11/22/11	3:00		Y	3.7	-	24.00	770
Wed-11/23/11	3:00		Y	4.1	-	24.00	757
Thu-11/24/11	3:00		Y	4.1	-	24.00	763
Fri-11/25/11	3:00		Y	4.1	-	24.00	763
Sat-11/26/11	3:00	(1)		4.6	-	24.00	763
Sun-11/27/11	3:00	(1)		4.7	-	24.00	763
Mon-11/28/11	3:00		Y	4.8	-	24.00	759
Tue-11/29/11	3:00		Y	5.0	-	24.00	781
Wed-11/30/11	3:00		Y	6.4	-	24.00	737
TOTALS			-	-	-	720	

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-11-07-11-08:50-1	11/7/2011	490
Red Pond-11-14-11-08:20-1	11/14/2011	472
Red Pond-11-21-11-08:30-1	11/21/2011	542
Red Pond-11-28-11-09:30-1	11/28/2011	470

OZONE OPERATION REPORT

Month of: Nov-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
Tue-11/1/11	3:07 AM		360	22.05	0	0.00	360	22.52	0	0.00
Wed-11/2/11	3:00 AM		360	24.00	0	0.00	360	24.00	0	0.00
Thu-11/3/11	3:00 AM		360	24.00	0	0.00	361	24.00	0	0.00
Fri-11/4/11	3:00 AM		360	24.00	0	0.00	361	24.00	0	0.00
Sat-11/5/11	3:00 AM	(1)	360	24.00	0	0.00	360	24.00	0	0.00
Sun-11/6/11	3:00 AM	(1)	360	24.00	0	0.00	361	24.00	0	0.00
Mon-11/7/11	3:00 AM		360	24.00	0	0.00	360	24.00	0	0.00
Tue-11/8/11	3:00 AM		360	22.10	0	0.00	360	22.18	0	0.00
Wed-11/9/11	3:00 AM		360	24.00	0	0.00	361	24.00	0	0.00
Thu-11/10/11	3:00 AM		360	24.00	0	0.00	360	24.00	0	0.00
Fri-11/11/11	3:00 AM		360	24.00	0	0.00	360	24.00	0	0.00
Sat-11/12/11	3:00 AM	(1)	360	24.00	0	0.00	360	24.00	0	0.00
Sun-11/13/11	3:00 AM	(1)	360	24.00	0	0.00	360	24.00	0	0.00
Mon-11/14/11	3:00 AM		360	24.00	0	0.00	360	24.00	0	0.00
Tue-11/15/11	3:00 AM		370	22.83	0	0.00	371	24.00	0	0.00
Wed-11/16/11	3:00 AM		370	24.00	0	0.00	370	24.00	0	0.00
Thu-11/17/11	3:00 AM		370	24.00	0	0.00	370	24.00	0	0.00
Fri-11/18/11	3:00 AM		370	24.00	0	0.00	370	24.00	0	0.00
Sat-11/19/11	3:00 AM	(1)	370	24.00	0	0.00	371	24.00	0	0.00
Sun-11/20/11	3:00 AM	(1)	370	24.00	0	0.00	370	24.00	0	0.00
Mon-11/21/11	3:00 AM		370	24.00	0	0.00	370	24.00	0	0.00
Tue-11/22/11	3:00 AM		370	24.00	0	0.00	371	24.00	0	0.00
Wed-11/23/11	3:00 AM		370	24.00	0	0.00	370	24.00	0	0.00
Thu-11/24/11	3:00 AM		370	24.00	0	0.00	371	24.00	0	0.00
Fri-11/25/11	3:00 AM		370	23.18	0	0.00	370	23.67	0	0.00
Sat-11/26/11	3:00 AM	(1)	370	24.00	0	0.00	371	24.00	0	0.00
Sun-11/27/11	3:00 AM	(1)	370	24.00	0	0.00	370	24.00	0	0.00
Mon-11/28/11	3:00 AM		370	24.00	0	0.00	370	23.35	0	0.00
Tue-11/29/11	3:00 AM		370	22.43	0	0.00	370	23.35	0	0.00
Wed-11/30/11	3:00 AM		370	22.05	0	0.00	371	21.32	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.

- 11/01/11 - Treatment was shut down briefly for maintenance.
- 11/08/11 - Treatment was shut down briefly for maintenance.
- 11/15/11 - System 1A was shut down briefly for maintenance.
- 11/29/11 - 11/30/11 - Treatment was shut down briefly for maintenance.

GREEN POND / DISCHARGE DATA

Month of: Nov-11

Date	Time	Notes	Green Pond																				
			Pond			Aeration			Influent			Influent			Pond Discharge			Bypass Discharge			Recirc Thru UV to Pond		
			Visual Chk	Level Feet	Hours	Hours	GPM	GPM	Gallons	Hours	GPM	Gallons	Hours	GPM	Gallons	Hours	GPM	Gallons	Hours				
Tue-11/1/11	3:05 AM		Y	-	-						739	996,357	22.48	-	-	-	-	-	-				
Wed-11/2/11	3:00 AM		Y	-	-						745	1,073,354	24.00	-	-	-	-	-	-				
Thu-11/3/11	3:00 AM		Y	-	-						746	1,074,524	24.00	-	-	-	-	-	-				
Fri-11/4/11	3:00 AM		Y	-	-						746	1,074,079	24.00	-	-	-	-	-	-				
Sat-11/5/11	3:00 AM	(1)		-	-						746	1,074,803	24.00	-	-	-	-	-	-				
Sun-11/6/11	3:00 AM	(1)		-	-						746	1,074,953	24.00	-	-	-	-	-	-				
Mon-11/7/11	3:00 AM		Y	-	-						747	1,076,034	24.00	-	-	-	-	-	-				
Tue-11/8/11	3:00 AM		Y	-	-						747	992,577	22.13	-	-	-	-	-	-				
Wed-11/9/11	3:00 AM		Y	-	-						746	1,074,948	24.00	-	-	-	-	-	-				
Thu-11/10/11	3:00 AM		Y	-	-						747	1,075,933	24.00	-	-	-	-	-	-				
Fri-11/11/11	3:00 AM		Y	-	-						747	1,075,532	24.00	-	-	-	-	-	-				
Sat-11/12/11	3:00 AM	(1)		-	-						731	1,051,942	24.00	-	-	-	-	-	-				
Sun-11/13/11	3:00 AM	(1)		-	-						747	1,075,825	24.00	-	-	-	-	-	-				
Mon-11/14/11	3:00 AM		Y	-	-						755	1,086,611	24.00	-	-	-	-	-	-				
Tue-11/15/11	3:00 AM		Y	-	-						739	1,063,556	24.00	-	-	-	-	-	-				
Wed-11/16/11	3:00 AM		Y	-	-						767	1,104,164	24.00	-	-	-	-	-	-				
Thu-11/17/11	3:00 AM		Y	-	-						766	1,102,880	24.00	-	-	-	-	-	-				
Fri-11/18/11	3:00 AM		Y	-	-						766	1,102,402	24.00	-	-	-	-	-	-				
Sat-11/19/11	3:00 AM	(1)		-	-						767	1,104,240	24.00	-	-	-	-	-	-				
Sun-11/20/11	3:00 AM	(1)		-	-						768	1,105,853	24.00	-	-	-	-	-	-				
Mon-11/21/11	3:00 AM		Y	-	-						768	1,105,559	24.00	-	-	-	-	-	-				
Tue-11/22/11	3:00 AM		Y	-	-						767	1,104,798	24.00	-	-	-	-	-	-				
Wed-11/23/11	3:00 AM		Y	-	-						768	1,105,443	24.00	-	-	-	-	-	-				
Thu-11/24/11	3:00 AM		Y	-	-						769	1,106,754	24.00	-	-	-	-	-	-				
Fri-11/25/11	3:00 AM		Y	-	-						747	1,075,908	24.00	-	-	-	-	-	-				
Sat-11/26/11	3:00 AM	(1)		-	-						770	1,108,547	24.00	-	-	-	-	-	-				
Sun-11/27/11	3:00 AM	(1)		-	-						770	1,109,027	24.00	-	-	-	-	-	-				
Mon-11/28/11	3:00 AM		Y	-	-						758	1,091,352	24.00	-	-	-	-	-	-				
Tue-11/29/11	3:00 AM		Y	-	-						768	1,088,440	23.62	-	-	-	-	-	-				
Wed-11/30/11	3:00 AM		Y	-	-						754	941,282	20.80	-	-	-	-	-	-				
TOTALS												32,297,677	713										

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 #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
11/1/2011	0.996		3	100	no	no	6.6	8	
11/2/2011	1.073		4	0	no	no	6.6	8	
11/3/2011	1.075		4	100	no	yes	6.5	8	20
11/4/2011	1.074			0	no	no	6.6		
11/5/2011	1.075								
11/6/2011	1.075		4					8	
11/7/2011	1.076	0.49	3	0	yes	yes	6.6	8	32
11/8/2011	0.993		4	100	no	no	6.5	7	
11/9/2011	1.075		4	0	no	no	6.6	7	
11/10/2011	1.076		6	0	no	yes	6.6	5	20
11/11/2011	1.076			0	no	no	6.6		
11/12/2011	1.052								
11/13/2011	1.076		7					5	
11/14/2011	1.087	0.472	8	100	yes	yes	6.6	0	14
11/15/2011	1.064		8	0	no	no	6.6	0	
11/16/2011	1.104		7	0	no	no	6.6	0	
11/17/2011	1.103		6	100	no	yes	6.6	6	16
11/18/2011	1.102			100	no	no	6.6		
11/19/2011	1.104								
11/20/2011	1.106		6					5	
11/21/2011	1.106	0.542	6	100	yes	yes	6.6	6	18
11/22/2011	1.105		6	0	no	no	6.6	6	
11/23/2011	1.105		6	0	no	yes	6.6	6	28
11/24/2011	1.107								
11/25/2011	1.076								
11/26/2011	1.109								
11/27/2011	1.109		5					0	
11/28/2011	1.091	0.47	6	0	yes	yes	6.6	0	28
11/29/2011	1.088		6	0	no	no	6.6	0	
11/30/2011	0.941		6	0	no	no	6.6	0	
Discharged (mg)	32.298								
Monthly Avg			5					4	

Bromate: A zero value equals ND (less than 5 ppb)
Hydrogen Peroxide - A zero value equals ND (less than 100 ppb)