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**UNIT D2 UPGRADIENT EXTRACTION DATA**

Month of: **Jun-13**

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
Sat-6/1/13	35,600	25	24.00	71,849	50	24.00	72,111	50	24.00	125	179,560
Sun-6/2/13	28,596	22	21.78	66,061	51	21.68	68,480	48	23.98	113	163,137
Mon-6/3/13	28,416	20	24.00	73,529	51	24.00	60,896	42	24.00	113	162,841
Tue-6/4/13	28,541	20	24.00	24,633	51	8.12	66,906	46	24.00	83	120,080
Wed-6/5/13	28,854	20	24.00	-	-	-	83,116	58	24.00	78	111,970
Thu-6/6/13	22,068	20	18.47	31,277	52	10.00	59,298	56	17.55	78	112,643
Fri-6/7/13	31,889	23	22.93	48,115	50	15.98	75,613	55	22.97	108	155,617
Sat-6/8/13	35,957	25	24.00	71,743	50	24.00	72,195	50	24.00	125	179,895
Sun-6/9/13	35,906	25	24.00	71,722	50	24.00	72,184	50	24.00	125	179,812
Mon-6/10/13	12,746	26	8.30	25,026	49	8.45	24,573	50	8.15	43	62,345
Tue-6/11/13	-	-	-	-	-	-	-	-	-	-	-
Wed-6/12/13	-	-	-	-	-	-	-	-	-	-	-
Thu-6/13/13	-	-	-	-	-	-	-	-	-	-	-
Fri-6/14/13	23,107	25	15.55	48,387	52	15.55	58,983	63	15.70	91	130,477
Sat-6/15/13	36,057	25	24.00	71,977	50	24.00	101,021	70	24.00	145	209,055
Sun-6/16/13	35,952	25	24.00	71,791	50	24.00	100,926	70	24.00	145	208,669
Mon-6/17/13	35,698	25	24.00	71,920	50	24.00	89,530	62	24.00	137	197,148
Tue-6/18/13	35,910	25	24.00	71,720	50	24.00	75,242	52	24.00	127	182,872
Wed-6/19/13	36,192	25	24.00	71,404	50	24.00	66,438	46	24.00	121	174,034
Thu-6/20/13	36,204	25	24.00	71,541	50	24.00	64,989	45	24.00	120	172,734
Fri-6/21/13	36,287	25	24.00	71,320	50	24.00	59,930	42	24.00	116	167,537
Sat-6/22/13	36,419	25	24.00	71,120	49	24.00	57,763	40	24.00	115	165,302
Sun-6/23/13	36,105	25	24.00	71,082	49	24.00	57,783	40	24.00	115	164,970
Mon-6/24/13	35,847	25	24.00	71,287	50	24.00	61,673	43	23.98	117	168,807
Tue-6/25/13	35,690	25	24.00	73,556	51	24.00	65,025	45	24.00	121	174,271
Wed-6/26/13	35,934	25	24.00	74,030	51	24.00	70,400	49	24.00	125	180,364
Thu-6/27/13	35,998	25	23.97	75,199	52	23.98	70,608	49	24.00	126	181,805
Fri-6/28/13	35,457	25	24.00	74,567	52	24.00	64,972	45	24.00	122	174,996
Sat-6/29/13	35,936	25	24.00	74,774	52	24.00	64,917	45	24.00	122	175,627
Sun-6/30/13	36,238	25	24.00	74,879	52	24.00	64,959	45	24.00	122	176,076
<b>TOTALS</b>	<b>887,604</b>	<b>24</b>	<b>615.00</b>	<b>1,694,509</b>	<b>50</b>	<b>559.77</b>	<b>1,850,531</b>	<b>50</b>	<b>616.34</b>	<b>114</b>	<b>4,432,644</b>

<b>TOTAL VOLUME EXTRACTED :</b>	<b>4,432,644 GALLONS</b>
<b>DAYS IN MONTH :</b>	<b>30 DAYS</b>
<b>MONTHLY AVERAGE FLOW RATE :</b>	<b>102.61 GPM</b>

6/2/13 - TW-5 & TW-9 were shut down briefly due to a DTE power outage in the area.  
 6/4/13 - 6/5/13 - TW-5 was shut down to adjust the Pond level in preparation for the Pond cleaning.  
 6/6/13 - 6/7/13 - TW-5, TW-9 and TW-21 were shut down to adjust the Pond level in preparation for the Pond cleaning.  
 6/10/13 - 6/14/13 - Extraction was shut down for Pond cleaning.

**UNIT D2 DOWNGRADIENT EXTRACTION DATA**

**Month of: Jun-13**

Date	LB-1			LB-3			Daily	Daily
	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.	Flow GPM	Total Gallons
Sat-6/1/13	144,081	100	24.00	-	-	-	100	144,081
Sun-6/2/13	144,084	100	23.98	-	-	-	100	144,084
Mon-6/3/13	144,091	100	24.00	-	-	-	100	144,091
Tue-6/4/13	144,085	100	24.00	-	-	-	100	144,085
Wed-6/5/13	144,089	100	24.00	-	-	-	100	144,089
Thu-6/6/13	144,089	100	24.00	-	-	-	100	144,089
Fri-6/7/13	144,091	100	24.00	-	-	-	100	144,091
Sat-6/8/13	144,086	100	24.00	-	-	-	100	144,086
Sun-6/9/13	144,085	100	23.98	-	-	-	100	144,085
Mon-6/10/13	52,208	100	8.70	-	-	-	36	52,208
Tue-6/11/13	-	-	-	-	-	-	0	-
Wed-6/12/13	-	-	-	-	-	-	0	-
Thu-6/13/13	-	-	-	-	-	-	0	-
Fri-6/14/13	108,998	100	18.17	-	-	-	76	108,998
Sat-6/15/13	144,076	100	24.00	-	-	-	100	144,076
Sun-6/16/13	144,082	100	24.00	-	-	-	100	144,082
Mon-6/17/13	144,073	100	24.00	-	-	-	100	144,073
Tue-6/18/13	144,078	100	24.00	-	-	-	100	144,078
Wed-6/19/13	144,079	100	23.98	-	-	-	100	144,079
Thu-6/20/13	144,070	100	24.00	-	-	-	100	144,070
Fri-6/21/13	144,069	100	24.00	-	-	-	100	144,069
Sat-6/22/13	144,067	100	24.00	-	-	-	100	144,067
Sun-6/23/13	144,060	100	24.00	-	-	-	100	144,060
Mon-6/24/13	144,061	100	24.00	-	-	-	100	144,061
Tue-6/25/13	144,067	100	24.00	-	-	-	100	144,067
Wed-6/26/13	144,063	100	23.98	-	-	-	100	144,063
Thu-6/27/13	144,067	100	24.00	-	-	-	100	144,067
Fri-6/28/13	144,069	100	24.00	-	-	-	100	144,069
Sat-6/29/13	144,079	100	24.00	-	-	-	100	144,079
Sun-6/30/13	144,071	100	24.00	-	-	-	100	144,071
<b>TOTALS</b>	<b>3,763,118</b>	<b>100</b>	<b>626.79</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>87</b>	<b>3,763,118</b>

<b>TOTAL VOLUME EXTRACTED :</b>	<b>3,763,118 GALLONS</b>
<b>DAYS IN MONTH :</b>	<b>30 DAYS</b>
<b>MONTHLY AVERAGE FLOW RATE :</b>	<b>87.11 GPM</b>

6/1/13-6/30/13 - LB-3 is no longer operational.  
 6/10/13 - 6/14/13 - Extraction was shut down for Pond cleaning.

**CORE AREA EXTRACTION DATA**

Month of: **Jun-13**

Core Area Well Extraction							Daily	Daily
Date	TW-2 (Dolph)			TW-20			Flow	Total
	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.	GPM	Gallons
Sat-6/1/13	15,793	11	24.00	70,623	49	24.00	60	86,416
Sun-6/2/13	15,622	11	24.00	64,497	49	21.93	56	80,119
Mon-6/3/13	15,369	11	24.00	70,594	49	24.00	60	85,963
Tue-6/4/13	15,247	11	24.00	62,290	43	24.00	54	77,537
Wed-6/5/13	15,273	11	24.00	57,678	40	24.00	51	72,951
Thu-6/6/13	15,425	11	24.00	42,214	40	17.60	40	57,639
Fri-6/7/13	9,382	11	14.25	57,518	40	24.00	46	66,900
Sat-6/8/13	-	-	-	57,525	40	24.00	40	57,525
Sun-6/9/13	-	-	-	57,565	40	24.00	40	57,565
Mon-6/10/13	-	-	-	21,527	40	8.95	15	21,527
Tue-6/11/13	-	-	-	-	-	-	-	-
Wed-6/12/13	-	-	-	-	-	-	-	-
Thu-6/13/13	-	-	-	-	-	-	-	-
Fri-6/14/13	-	-	-	35,871	40	14.90	25	35,871
Sat-6/15/13	-	-	-	57,688	40	24.00	40	57,688
Sun-6/16/13	-	-	-	57,760	40	24.00	40	57,760
Mon-6/17/13	8,406	12	11.63	57,764	40	24.00	46	66,170
Tue-6/18/13	17,146	12	24.00	57,805	40	24.00	52	74,951
Wed-6/19/13	17,273	12	24.00	57,644	40	24.00	57	81,401
Thu-6/20/13	17,397	12	24.00	57,624	40	24.00	69	98,834
Fri-6/21/13	17,517	12	24.00	57,557	40	24.00	59	84,265
Sat-6/22/13	17,652	12	24.00	57,509	40	24.00	55	79,913
Sun-6/23/13	17,666	12	24.00	57,472	40	24.00	52	75,138
Mon-6/24/13	17,718	12	24.00	57,517	40	24.00	59	84,995
Tue-6/25/13	17,854	12	24.00	57,540	40	24.00	54	78,005
Wed-6/26/13	17,955	12	24.00	57,582	40	24.00	52	75,537
Thu-6/27/13	17,846	12	24.00	57,512	40	23.98	52	75,358
Fri-6/28/13	17,924	12	24.00	57,428	40	24.00	52	75,352
Sat-6/29/13	17,816	12	24.00	57,633	40	24.00	52	75,449
Sun-6/30/13	17,615	12	24.00	57,457	40	24.00	52	75,072
<b>TOTALS</b>	<b>339,896</b>	<b>12</b>	<b>481.88</b>	<b>1,519,394</b>	<b>41</b>	<b>615.37</b>	<b>49</b>	<b>1,915,901</b>

<b>TOTAL VOLUME EXTRACTED :</b>	<b>1,915,901 GALLONS</b>
<b>DAYS IN MONTH :</b>	<b>30 DAYS</b>
<b>MONTHLY AVERAGE FLOW RATE :</b>	<b>44.35 GPM</b>

6/7/13 - 6/9/10 - TW-2 extraction was tapered off to lower the Pond level for cleaning.

6/10/13 - 6/14/13 - Extraction was shut down for Pond cleaning.

6/15/13 - 6/17/13 TW-2 was shut down for maintenance.

MARSHY AREA EXTRACTION DATA

Month of: Jun-13

Marshy Well Extraction				Daily	Daily
Date	PW-1			Flow	Total
	Gallons	GPM	Run Hrs.	GPM	Gallons
Sat-6/1/13	3,723	3	24.00	3	3,723
Sun-6/2/13	3,734	3	24.00	3	3,734
Mon-6/3/13	3,742	3	24.00	3	3,742
Tue-6/4/13	3,732	3	24.00	3	3,732
Wed-6/5/13	3,624	3	24.00	3	3,624
Thu-6/6/13	2,890	3	18.53	2	2,890
Fri-6/7/13	3,791	3	24.00	3	3,791
Sat-6/8/13	3,820	3	24.00	3	3,820
Sun-6/9/13	3,881	3	24.00	3	3,881
Mon-6/10/13	1,511	3	8.97	1	1,511
Tue-6/11/13	-	-	-	-	-
Wed-6/12/13	-	-	-	-	-
Thu-6/13/13	-	-	-	-	-
Fri-6/14/13	2,496	3	14.90	2	2,496
Sat-6/15/13	3,895	3	24.00	3	3,895
Sun-6/16/13	3,873	3	24.00	3	3,873
Mon-6/17/13	3,554	2	24.00	2	3,554
Tue-6/18/13	3,220	2	23.60	2	3,220
Wed-6/19/13	2,868	2	22.65	2	2,868
Thu-6/20/13	3,013	2	23.77	2	3,013
Fri-6/21/13	3,150	2	24.00	2	3,150
Sat-6/22/13	3,117	2	24.00	2	3,117
Sun-6/23/13	3,178	2	24.00	2	3,178
Mon-6/24/13	3,208	2	24.00	2	3,208
Tue-6/25/13	3,243	2	24.00	2	3,243
Wed-6/26/13	3,265	2	24.00	2	3,265
Thu-6/27/13	3,233	2	24.00	2	3,233
Fri-6/28/13	3,257	2	24.00	2	3,257
Sat-6/29/13	3,132	2	24.00	2	3,132
Sun-6/30/13	3,062	2	24.00	2	3,062
<b>TOTALS</b>	<b>89,212</b>	<b>2</b>	<b>616.42</b>	<b>2</b>	<b>89,212</b>

TOTAL VOLUME EXTRACTED :	89,212 GALLONS
DAYS IN MONTH :	30 DAYS
MONTHLY AVERAGE FLOW RATE :	2.07 GPM

6/6/13 - Marshy extraction was shut down to adjust the Pond level in preparation for the Pond cleaning.  
 6/10/13 - 6/14/13 - Extraction was shut down for Pond cleaning.  
 6/19/13 - Marshy extraction was shut down briefly for maintenance.

SOUTHWEST AREA EXTRACTION DATA

Month of: Jun-13

South West Well Extraction				Daily	Daily
Date	ACTIVE WELLS			Flow	Total
	Gallons	GPM	Run Hrs.	GPM	Gallons
Sat-6/1/13	52,356	36	24.00	36	52,356
Sun-6/2/13	51,069	35	24.00	35	51,069
Mon-6/3/13	52,595	37	24.00	37	52,595
Tue-6/4/13	52,298	36	24.00	36	52,298
Wed-6/5/13	52,069	36	24.00	36	52,069
Thu-6/6/13	40,389	36	18.53	28	40,389
Fri-6/7/13	52,500	36	24.00	36	52,500
Sat-6/8/13	52,466	36	24.00	36	52,466
Sun-6/9/13	52,523	36	24.00	36	52,523
Mon-6/10/13	19,654	37	8.97	14	19,654
Tue-6/11/13	-	-	-	-	-
Wed-6/12/13	-	-	-	-	-
Thu-6/13/13	-	-	-	-	-
Fri-6/14/13	32,825	37	14.92	23	32,825
Sat-6/15/13	52,658	37	24.00	37	52,658
Sun-6/16/13	52,691	37	24.00	37	52,691
Mon-6/17/13	52,829	37	24.00	37	52,829
Tue-6/18/13	52,915	37	24.00	37	52,915
Wed-6/19/13	52,789	37	24.00	37	52,789
Thu-6/20/13	52,615	37	24.00	37	52,615
Fri-6/21/13	52,516	36	24.00	36	52,516
Sat-6/22/13	52,466	36	24.00	36	52,466
Sun-6/23/13	52,373	36	24.00	36	52,373
Mon-6/24/13	52,347	36	24.00	36	52,347
Tue-6/25/13	52,335	36	24.00	36	52,335
Wed-6/26/13	52,288	36	24.00	36	52,288
Thu-6/27/13	52,359	36	24.00	36	52,359
Fri-6/28/13	52,416	36	24.00	36	52,416
Sat-6/29/13	52,193	36	24.00	36	52,193
Sun-6/30/13	51,977	36	24.00	36	51,977
<b>TOTALS</b>	<b>1,350,511</b>	<b>36</b>	<b>618.42</b>	<b>35</b>	<b>1,350,511</b>

TOTAL VOLUME EXTRACTED :	1,350,511 GALLONS
DAYS IN MONTH :	30 DAYS
MONTHLY AVERAGE FLOW RATE :	31.26 GPM

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

6/6/13 - Southwest extraction was shut down to adjust the Pond level in preparation for the Pond cleaning.  
 6/10/13 - 6/14/13 - Extraction was shut down for Pond cleaning.

TABLE #6

UNIT "E" EXTRACTION DATA

Month of: Jun-13

Date	TW-11			TW-17			TW-18			TW-19			Daily Flow GPM	Daily Total Gallons
	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.		
Sat-6/1/13	40,243	28	24.00	-	-	-	231,087	160	24.00	146,933	102	24.00	290	418,263
Sun-6/2/13	35,088	27	21.68	-	-	-	216,019	150	23.98	146,934	102	24.00	276	398,041
Mon-6/3/13	38,202	27	24.00	-	-	-	207,682	144	24.00	146,939	102	24.00	273	392,823
Tue-6/4/13	13,119	27	8.12	-	-	-	221,188	154	24.00	146,938	102	24.00	265	381,245
Wed-6/5/13	-	-	-	-	-	-	248,483	173	24.00	146,939	102	24.00	275	395,422
Thu-6/6/13	-	-	-	-	-	-	185,070	165	18.72	146,948	102	24.00	231	332,018
Fri-6/7/13	16,714	26	10.55	-	-	-	245,063	170	24.00	146,946	102	24.00	284	408,723
Sat-6/8/13	38,123	26	24.00	-	-	-	255,905	178	24.00	146,940	102	24.00	306	440,968
Sun-6/9/13	38,217	27	24.00	-	-	-	252,454	175	24.00	146,943	102	24.00	304	437,614
Mon-6/10/13	13,659	27	8.55	-	-	-	87,091	162	8.97	53,339	102	8.70	107	154,089
Tue-6/11/13	-	-	-	4,934	60	1.37	-	-	-	-	-	-	3	4,934
Wed-6/12/13	-	-	-	21,284	54	6.57	-	-	-	-	-	-	15	21,284
Thu-6/13/13	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fri-6/14/13	22,882	25	15.55	-	-	-	157,577	176	14.92	111,014	102	18.10	202	291,473
Sat-6/15/13	36,017	25	24.00	-	-	-	277,710	193	24.00	146,937	102	24.00	320	460,664
Sun-6/16/13	36,062	25	24.00	-	-	-	277,701	193	24.00	146,936	102	24.00	320	460,699
Mon-6/17/13	36,201	25	24.00	-	-	-	244,250	170	24.00	146,932	102	24.00	297	427,383
Tue-6/18/13	36,307	25	24.00	-	-	-	222,912	155	24.00	146,929	102	24.00	282	406,148
Wed-6/19/13	36,363	25	24.00	-	-	-	213,829	148	24.00	146,935	102	24.00	276	397,127
Thu-6/20/13	36,433	25	24.00	-	-	-	212,109	147	24.00	146,932	102	24.00	275	395,474
Fri-6/21/13	36,453	25	24.00	-	-	-	207,286	144	24.00	146,930	102	24.00	271	390,669
Sat-6/22/13	36,343	25	24.00	-	-	-	204,846	142	24.00	146,927	102	24.00	270	388,116
Sun-6/23/13	36,182	25	24.00	-	-	-	204,876	142	24.00	146,926	102	24.00	269	387,984
Mon-6/24/13	36,147	25	24.00	-	-	-	208,304	145	23.98	146,925	102	24.00	272	391,376
Tue-6/25/13	36,091	25	24.00	-	-	-	212,151	147	24.00	146,927	102	24.00	274	395,169
Wed-6/26/13	36,085	25	24.00	-	-	-	217,742	151	24.00	146,932	102	24.00	278	400,759
Thu-6/27/13	35,899	25	23.98	-	-	-	217,930	151	24.00	146,933	102	24.00	278	400,762
Fri-6/28/13	35,860	25	24.00	-	-	-	212,136	147	24.00	146,933	102	24.00	274	394,929
Sat-6/29/13	36,248	25	24.00	-	-	-	212,119	147	24.00	146,937	102	24.00	275	395,304
Sun-6/30/13	35,521	25	24.00	-	-	-	212,131	147	24.00	146,937	102	24.00	274	394,589
<b>TOTALS</b>	<b>834,459</b>	<b>26</b>	<b>544.43</b>	<b>26,218</b>	<b>57</b>	<b>7.93</b>	<b>5,865,651</b>	<b>158</b>	<b>618.57</b>	<b>3,837,721</b>	<b>102</b>	<b>626.80</b>	<b>253</b>	<b>10,564,049</b>

TOTAL VOLUME EXTRACTED :	10,564,049 GALLONS
DAYS IN MONTH :	30 DAYS
MONTHLY AVERAGE FLOW RATE :	244.54 GPM

- 6/2/13 - TW-11 was shut down briefly due to a DTE power outage in the area.
- 6/4/13-6/7/13 - TW-11 was shut down to adjust the Pond level in preparation for the Pond cleaning.
- 6/6/13 - TW-18 was shut down to adjust the Pond level in preparation for the Pond cleaning.
- 6/10/13 - 6/14/13 - Extraction was shut down for Pond cleaning.
- 6/11/13-6/12/13 - TW-17 was turned on briefly for the Pond cleaning.

**TABLE #7**

**Little Lake Area System**

MW-53i	
Date	1,4-Dioxane ug/L
07/26/12	57
10/09/12	43
02/13/13	51
03/26/13	35
05/13/13	53

A2 Cleaning Supply Well	
Date	1,4-Dioxane ug/L
02/01/13	48
03/25/13	82
04/10/13	69
05/31/13	71
06/17/13	82

Date	Gallons Purged
6/6/2013	42,000



**TABLE #8**

**INDIVIDUAL PURGE WELL CONCENTRATIONS**

<b>SAMPLE ID</b>	<b>Date Sampled</b>	<b>1,4-DIOXANE (ppb)</b>
DOLPH-06-10-13-09:30-1	06/10/13	83
TW-20-06-10-13-09:54-1	06/10/13	970
LB-1-06-10-13-08:50-1	06/10/13	660
TW-21-06-10-13-09:00-1	06/10/13	150
TW-5-06-10-13-10:30-1	06/10/13	790
TW-9-06-10-13-09:50-1	06/10/13	780
TW-11-06-10-13-10:32-1	06/10/13	190
TW-18-06-10-13-09:40-1	06/10/13	320
TW-19-06-10-13-08:51-1	06/10/13	770
PW-1-06-10-13-09:41-1	06/10/13	900
TW-22-06-10-13-10:12-1	06/10/13	770
TW-8-06-10-13-10:10-1	06/10/13	560

RED POND DATA

Month of: Jun-13

Date	Time	Notes	Red Pond				
			Pond	Level	Aeration	Influent	Influent
			Visual Chk	Feet	Hours	Hours	GPM
Sat-6/1/13	3:05	(1)		4.7	-	24.00	614
Sun-6/2/13	3:00	(1)		4.9	-	24.00	583
Mon-6/3/13	3:00		Y	5.8	-	24.00	585
Tue-6/4/13	3:00		Y	5.5	-	24.00	541
Wed-6/5/13	3:00		Y	4.6	-	24.00	542
Thu-6/6/13	3:00		Y	3.7	-	24.00	479
Fri-6/7/13	3:00		Y	2.7	-	24.00	578
Sat-6/8/13	3:00	(1)		2.6	-	24.00	610
Sun-6/9/13	3:00	(1)		2.6	-	24.00	608
Mon-6/10/13	3:00		Y	2.6	-	8.97	578
Tue-6/11/13	3:00		Y	2.6	-	1.37	60
Wed-6/12/13	3:00		Y	2.6	-	6.57	54
Thu-6/13/13	3:00		Y	2.6	-		-
Fri-6/14/13	3:00		Y	2.6	-	18.17	552
Sat-6/15/13	3:00	(1)		3.2	-	24.00	644
Sun-6/16/13	3:00	(1)		3.9	-	24.00	644
Mon-6/17/13	3:00		Y	4.6	-	24.00	619
Tue-6/18/13	3:00		Y	5.3	-	24.00	600
Wed-6/19/13	3:00		Y	5.5	-	24.00	592
Thu-6/20/13	3:00		Y	5.9	-	24.00	602
Fri-6/21/13	3:00		Y	5.9	-	24.00	585
Sat-6/22/13	3:00	(1)		5.9	-	24.00	578
Sun-6/23/13	3:00	(1)		5.6	-	24.00	575
Mon-6/24/13	3:00		Y	5.2	-	24.00	587
Tue-6/25/13	3:00		Y	5.1	-	24.00	588
Wed-6/26/13	3:00		Y	5.0	-	24.00	595
Thu-6/27/13	3:00		Y	4.9	-	24.00	596
Fri-6/28/13	3:00		Y	5.3	-	24.00	587
Sat-6/29/13	3:00	(1)		5.2	-	24.00	587
Sun-6/30/13	3:00	(1)		5.0	-	24.00	587
<b>TOTALS</b>			-	-	-	635	

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

<b>SAMPLE ID</b>	<b>Date Sampled</b>	<b>1,4-DIOXANE (ppb)</b>
Red Pond-06-03-13-07:07-1	6/3/2013	470
Red Pond-06-10-13-08:15-1	6/10/2013	480
Red Pond-06-17-13-07:05-1	6/17/2013	640
Red Pond-06-24-13-07:40-1	6/24/2013	580

OZONE OPERATION REPORT

Month of: Jun-13

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
Sat-6/1/13	3:07 AM	(1)	230	24.00	0	0.00	360	24.00	0	0.00
Sun-6/2/13	3:00 AM	(1)	230	20.58	0	0.00	360	20.58	0	0.00
Mon-6/3/13	3:00 AM		230	24.00	0	0.00	360	24.00	0	0.00
Tue-6/4/13	3:00 AM		230	24.00	0	0.00	359	24.00	0	0.00
Wed-6/5/13	3:00 AM		230	24.00	0	0.00	360	24.00	0	0.00
Thu-6/6/13	3:00 AM		230	23.00	0	0.00	361	22.92	0	0.00
Fri-6/7/13	3:00 AM		230	24.00	0	0.00	360	24.00	0	0.00
Sat-6/8/13	3:00 AM	(1)	230	24.00	0	0.00	361	24.00	0	0.00
Sun-6/9/13	3:00 AM	(1)	230	24.00	0	0.00	361	24.00	0	0.00
Mon-6/10/13	3:00 AM		230	9.47	0	0.00	360	10.40	0	0.00
Tue-6/11/13	3:00 AM		0	0.00	0	0.00	0	0.00	0	0.00
Wed-6/12/13	3:00 AM		0	0.00	0	0.00	0	0.00	0	0.00
Thu-6/13/13	3:00 AM		0	0.00	0	0.00	0	0.00	0	0.00
Fri-6/14/13	3:00 AM		0	8.90	0	0.00	0	9.02	0	0.00
Sat-6/15/13	3:00 AM	(1)	230	24.00	0	0.00	361	24.00	0	0.00
Sun-6/16/13	3:00 AM	(1)	230	23.88	0	0.00	360	23.90	0	0.00
Mon-6/17/13	3:00 AM		230	24.00	0	0.00	360	24.00	0	0.00
Tue-6/18/13	3:00 AM		230	24.00	0	0.00	361	24.00	0	0.00
Wed-6/19/13	3:00 AM		230	24.00	0	0.00	361	24.00	0	0.00
Thu-6/20/13	3:00 AM		230	24.00	0	0.00	360	24.00	0	0.00
Fri-6/21/13	3:00 AM		230	24.00	0	0.00	360	24.00	0	0.00
Sat-6/22/13	3:00 AM	(1)	230	24.00	0	0.00	360	24.00	0	0.00
Sun-6/23/13	3:00 AM	(1)	230	24.00	0	0.00	360	24.00	0	0.00
Mon-6/24/13	3:00 AM		230	24.00	0	0.00	359	24.00	0	0.00
Tue-6/25/13	3:00 AM		230	24.00	0	0.00	360	24.00	0	0.00
Wed-6/26/13	3:00 AM		230	24.00	0	0.00	359	24.00	0	0.00
Thu-6/27/13	3:00 AM		230	23.27	0	0.00	360	23.25	0	0.00
Fri-6/28/13	3:00 AM		230	24.00	0	0.00	360	24.00	0	0.00
Sat-6/29/13	3:00 AM	(1)	230	24.00	0	0.00	360	24.00	0	0.00
Sun-6/30/13	3:00 AM	(1)	230	24.00	0	0.00	359	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.

6/2/13 - Treatment was shut down briefly due to a DTE power outage.

6/6/13 - Treatment was shut down briefly for maintenance.

6/10/13 - 6/14/13 - Treatment was shut down for Pond cleaning.

TABLE #12

GREEN POND / DISCHARGE DATA

Month of: Jun-13

			Green Pond																		
Date	Time	Notes	Pond			Influent			Pond Discharge			Bypass Discharge			Recirc Thru UV to Pond			Recirc Thru UV to Disch			
			Visual Chk	Level Feet	Aeration Hours	Influent Hours	Influent GPM	Pond Discharge GPM	Pond Discharge Gallons	Pond Discharge Hours	Bypass Discharge GPM	Bypass Discharge Gallons	Bypass Discharge Hours	Recirc Thru UV to Pond GPM	Recirc Thru UV to Pond Gallons	Recirc Thru UV to Pond Hours	Recirc Thru UV to Disch GPM	Recirc Thru UV to Disch Gallons	Recirc Thru UV to Disch Hours		
Sat-6/1/13	3:05 AM	(1)		-	-								616	886,518	24.00	-	-	-	-	-	-
Sun-6/2/13	3:00 AM	(1)		-	-								615	758,371	20.57	-	-	-	-	-	-
Mon-6/3/13	3:00 AM		Y	-	-								615	886,216	24.00	-	-	-	-	-	-
Tue-6/4/13	3:00 AM		Y	-	-								616	886,336	24.00	-	-	-	-	-	-
Wed-6/5/13	3:00 AM		Y	-	-								615	886,035	24.00	-	-	-	-	-	-
Thu-6/6/13	3:00 AM		Y	-	-								612	844,492	22.98	-	-	-	-	-	-
Fri-6/7/13	3:00 AM		Y	-	-								614	884,575	24.00	-	-	-	-	-	-
Sat-6/8/13	3:00 AM	(1)		-	-								614	884,665	24.00	-	-	-	-	-	-
Sun-6/9/13	3:00 AM	(1)		-	-								614	884,697	24.00	-	-	-	-	-	-
Mon-6/10/13	3:00 AM		Y	-	-								595	373,373	10.45	-	-	-	-	-	-
Tue-6/11/13	3:00 AM		Y	-	-								-	-	-	-	-	-	-	-	-
Wed-6/12/13	3:00 AM		Y	-	-								-	-	-	-	-	-	-	-	-
Thu-6/13/13	3:00 AM		Y	-	-								-	-	-	-	-	-	-	-	-
Fri-6/14/13	3:00 AM		Y	-	-								606	325,860	8.97	-	-	-	-	-	-
Sat-6/15/13	3:00 AM	(1)		-	-								614	884,180	24.00	-	-	-	-	-	-
Sun-6/16/13	3:00 AM	(1)		-	-								610	878,725	24.00	-	-	-	-	-	-
Mon-6/17/13	3:00 AM		Y	-	-								614	883,813	24.00	-	-	-	-	-	-
Tue-6/18/13	3:00 AM		Y	-	-								614	884,201	24.00	-	-	-	-	-	-
Wed-6/19/13	3:00 AM		Y	-	-								614	884,057	24.00	-	-	-	-	-	-
Thu-6/20/13	3:00 AM		Y	-	-								614	883,839	24.00	-	-	-	-	-	-
Fri-6/21/13	3:00 AM		Y	-	-								614	883,775	24.00	-	-	-	-	-	-
Sat-6/22/13	3:00 AM	(1)		-	-								614	883,828	24.00	-	-	-	-	-	-
Sun-6/23/13	3:00 AM	(1)		-	-								614	883,867	24.00	-	-	-	-	-	-
Mon-6/24/13	3:00 AM		Y	-	-								614	883,923	24.00	-	-	-	-	-	-
Tue-6/25/13	3:00 AM		Y	-	-								614	884,096	24.00	-	-	-	-	-	-
Wed-6/26/13	3:00 AM		Y	-	-								614	884,273	24.00	-	-	-	-	-	-
Thu-6/27/13	3:00 AM		Y	-	-								613	853,921	23.22	-	-	-	-	-	-
Fri-6/28/13	3:00 AM		Y	-	-								614	884,513	24.00	-	-	-	-	-	-
Sat-6/29/13	3:00 AM	(1)		-	-								613	882,977	24.00	-	-	-	-	-	-
Sun-6/30/13	3:00 AM	(1)		-	-								612	881,099	24.00	-	-	-	-	-	-
<b>TOTALS</b>													22,606,225	614							

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**

PARAMETER NAME	(Daily)	(Influent - Red Pond)	(Effluent - Outfall)	(Effluent - Outfall)	(Weekly)	(2 x Week)	(4 x Week)	(5 X Week)	(2 X Week)
	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
6/1/2013	0.887								
6/2/2013	0.758		10*					6	
6/3/2013	0.886	0.740	9*	50	yes	yes	6.7	0	10
6/4/2013	0.886		7*	0	no	no	6.6	7	
6/5/2013	0.886		7*	100	no	no	6.7	7	
6/6/2013	0.844		7	0	no	yes	6.7	6	30
6/7/2013	0.885			50	no	no	6.7		
6/8/2013	0.885								
6/9/2013	0.885		5					0	
6/10/2013	0.373	0.480	8	0	yes	yes	6.7	7	16
6/11/2013	0.000				no	no			
6/12/2013	0.000				no	no			
6/13/2013	0.000				no	no			
6/14/2013	0.326		9	100	no	no	6.7	0	10
6/15/2013	0.884								
6/16/2013	0.879		5					0	
6/17/2013	0.884	0.640	5	50	yes	yes	6.6	8	12
6/18/2013	0.884		5	0	no	no	6.6	0	
6/19/2013	0.884		5	50	no	no	6.7	5	
6/20/2013	0.884		6	50	no	yes	6.6	6	20
6/21/2013	0.884			50	no	no	6.6		
6/22/2013	0.884								
6/23/2013	0.884		6					0	
6/24/2013	0.884	0.580	6	50	yes	yes	6.7	0	18
6/25/2013	0.884		6	0	no	no	6.6	0	
6/26/2013	0.884		5	50	no	no	6.7	0	
6/27/2013	0.854		6	0	no	yes	6.7	0	22
6/28/2013	0.885			100	no	no	6.7		
6/29/2013	0.883								
6/30/2013	0.881		7					5	
Discharged (mg)	22.606								
Monthly Avg			6					3	

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

\*6/2/13 - 6/5/13 1,4-Dioxane samples were sent to an outside lab due to the extended absence of the Pall Analytical Staff. "Method Blanks" 2-3 ppb levels for 1,4-dioxane caused elevated levels in the analyzed samples.