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**UNIT D2 UPGRADIENT EXTRACTION DATA**

Month of: **Oct-17**

Date	TW-9			TW-21			Daily Flow	Daily Total
	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.	GPM	Gallons
	Sun-10/1/17	-	-	-	86,549	60	24.00	60
Mon-10/2/17	-	-	-	86,563	60	24.00	60	86,563
Tue-10/3/17	-	-	-	82,083	57	24.00	57	82,083
Wed-10/4/17	-	-	-	79,412	55	24.00	55	79,412
Thu-10/5/17	-	-	-	79,363	55	24.00	55	79,363
Fri-10/6/17	-	-	-	79,317	55	24.00	55	79,317
Sat-10/7/17	-	-	-	79,392	55	24.00	55	79,392
Sun-10/8/17	-	-	-	79,351	55	24.00	55	79,351
Mon-10/9/17	-	-	-	79,379	55	24.00	55	79,379
Tue-10/10/17	-	-	-	66,947	58	19.18	46	66,947
Wed-10/11/17	-	-	-	57,045	60	15.83	40	57,045
Thu-10/12/17	-	-	-	86,470	60	24.00	60	86,470
Fri-10/13/17	-	-	-	86,525	60	24.00	60	86,525
Sat-10/14/17	-	-	-	86,461	60	24.00	60	86,461
Sun-10/15/17	-	-	-	86,447	60	24.00	60	86,447
Mon-10/16/17	-	-	-	86,411	60	24.00	60	86,411
Tue-10/17/17	-	-	-	86,467	60	24.00	60	86,467
Wed-10/18/17	899	53	0.28	86,516	60	24.00	61	87,415
Thu-10/19/17	-	-	-	86,466	60	24.00	60	86,466
Fri-10/20/17	-	-	-	86,428	60	24.00	60	86,428
Sat-10/21/17	-	-	-	86,481	60	24.00	60	86,481
Sun-10/22/17	-	-	-	86,501	60	24.00	60	86,501
Mon-10/23/17	-	-	-	86,487	60	24.00	60	86,487
Tue-10/24/17	-	-	-	86,417	60	24.00	60	86,417
Wed-10/25/17	-	-	-	86,377	60	24.00	60	86,377
Thu-10/26/17	-	-	-	86,396	60	24.00	60	86,396
Fri-10/27/17	-	-	-	83,473	58	24.00	58	83,473
Sat-10/28/17	-	-	-	79,219	55	24.00	55	79,219
Sun-10/29/17	-	-	-	79,241	55	24.00	55	79,241
Mon-10/30/17	-	-	-	82,424	57	24.00	57	82,424
Tue-10/31/17	-	-	-	86,360	60	24.00	60	86,360
<b>TOTALS</b>	<b>899</b>	<b>53</b>	<b>0.28</b>	<b>2,562,968</b>	<b>58</b>	<b>731.01</b>	<b>57</b>	<b>2,563,867</b>

<b>TOTAL VOLUME EXTRACTED : 2,563,867 GALLONS</b>
<b>DAYS IN MONTH : 31 DAYS</b>
<b>MONTHLY AVERAGE FLOW RATE : 57.43 GPM</b>

10/10/17 - 10/11/17 - TW-21 was shut down to adjust the Pond level during maintenance on the treatment system.  
 10/18/17 - TW-9 was turned on briefly for sampling.

**UNIT D2 DOWNGRADIENT EXTRACTION DATA**

Month of: **Oct-17**

Date	LB-4			Daily	Daily
	Gallons	GPM	Run Hrs.	Flow GPM	Total Gallons
Sun-10/1/17	144,175	100	24.00	100	144,175
Mon-10/2/17	144,198	100	24.00	100	144,198
Tue-10/3/17	144,185	100	24.00	100	144,185
Wed-10/4/17	144,174	100	24.00	100	144,174
Thu-10/5/17	144,183	100	24.00	100	144,183
Fri-10/6/17	144,169	100	24.00	100	144,169
Sat-10/7/17	144,180	100	24.00	100	144,180
Sun-10/8/17	144,169	100	24.00	100	144,169
Mon-10/9/17	144,150	100	24.00	100	144,150
Tue-10/10/17	144,176	100	24.00	100	144,176
Wed-10/11/17	74,631	100	12.45	52	74,631
Thu-10/12/17	58,109	100	9.66	40	58,109
Fri-10/13/17	144,197	100	24.00	100	144,197
Sat-10/14/17	144,194	100	24.00	100	144,194
Sun-10/15/17	144,177	100	24.00	100	144,177
Mon-10/16/17	144,176	100	24.00	100	144,176
Tue-10/17/17	144,237	100	24.00	100	144,237
Wed-10/18/17	144,166	100	24.00	100	144,166
Thu-10/19/17	144,173	100	24.00	100	144,173
Fri-10/20/17	144,230	100	24.00	100	144,230
Sat-10/21/17	144,176	100	24.00	100	144,176
Sun-10/22/17	144,198	100	24.00	100	144,198
Mon-10/23/17	144,183	100	24.00	100	144,183
Tue-10/24/17	144,217	100	24.00	100	144,217
Wed-10/25/17	144,218	100	24.00	100	144,218
Thu-10/26/17	144,190	100	24.00	100	144,190
Fri-10/27/17	144,212	100	24.00	100	144,212
Sat-10/28/17	144,200	100	24.00	100	144,200
Sun-10/29/17	144,222	100	24.00	100	144,222
Mon-10/30/17	144,223	100	24.00	100	144,223
Tue-10/31/17	144,236	100	24.00	100	144,236
<b>TOTALS</b>	<b>4,314,324</b>	<b>100</b>	<b>718.11</b>	<b>97</b>	<b>4,314,324</b>

<b>TOTAL VOLUME EXTRACTED :</b>	<b>4,314,324 GALLONS</b>
<b>DAYS IN MONTH :</b>	<b>31 DAYS</b>
<b>MONTHLY AVERAGE FLOW RATE :</b>	<b>96.65 GPM</b>

10/11/17 - 10/12/17 - LB-4 was shut down due to a DTE Energy power loss in the area.

TABLE #3

CORE AREA EXTRACTION DATA

Month of: Oct-17

Core Area Well Extraction																		Daily	Daily	
Date	TW-1			TW-2 (Dolph)			TW-3			TW-10			TW-14			TW-20			Flow GPM	Total Gallons
	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.		
Sun-10/1/17	-	-	-	28,584	20	24.00	-	-	-	-	-	-	-	-	-	43,273	30	24.00	50	71,857
Mon-10/2/17	-	-	-	28,621	20	24.00	-	-	-	-	-	-	-	-	-	43,316	30	24.00	50	71,937
Tue-10/3/17	-	-	-	28,621	20	24.00	-	-	-	-	-	-	-	-	-	43,106	30	24.00	50	71,727
Wed-10/4/17	-	-	-	26,554	20	22.12	-	-	-	-	-	-	-	-	-	43,652	30	24.00	49	70,206
Thu-10/5/17	-	-	-	28,767	20	24.00	-	-	-	-	-	-	-	-	-	43,455	30	24.00	50	72,222
Fri-10/6/17	-	-	-	28,747	20	24.00	-	-	-	-	-	-	-	-	-	43,254	30	24.00	50	72,001
Sat-10/7/17	-	-	-	28,757	20	24.00	-	-	-	-	-	-	-	-	-	42,979	30	24.00	50	71,736
Sun-10/8/17	-	-	-	28,744	20	24.00	-	-	-	-	-	-	-	-	-	43,097	30	24.00	50	71,841
Mon-10/9/17	-	-	-	28,743	20	24.00	-	-	-	-	-	-	-	-	-	43,361	30	24.00	50	72,104
Tue-10/10/17	-	-	-	28,766	20	24.00	-	-	-	-	-	-	-	-	-	36,885	30	20.28	46	65,651
Wed-10/11/17	-	-	-	28,771	20	24.00	-	-	-	50,620	75	11.27	50,723	75	11.25	26,424	30	14.65	109	156,538
Thu-10/12/17	-	-	-	28,796	20	24.00	-	-	-	35,084	75	7.80	35,220	75	7.83	43,284	30	24.00	99	142,384
Fri-10/13/17	-	-	-	28,832	20	24.00	-	-	-	-	-	-	-	-	-	43,188	30	24.00	50	72,020
Sat-10/14/17	-	-	-	28,829	20	24.00	-	-	-	-	-	-	-	-	-	43,178	30	24.00	50	72,007
Sun-10/15/17	-	-	-	28,796	20	24.00	-	-	-	-	-	-	-	-	-	42,904	30	24.00	50	71,700
Mon-10/16/17	622	124	0.08	28,853	20	24.00	-	0	0.10	-	-	-	-	-	-	43,339	30	24.00	51	72,814
Tue-10/17/17	-	-	-	28,888	20	24.00	-	-	-	-	-	-	46,859	75	10.35	43,590	30	24.00	83	119,337
Wed-10/18/17	-	-	-	28,896	20	24.00	-	-	-	-	-	-	108,140	75	24.00	43,464	30	24.00	125	180,500
Thu-10/19/17	-	-	-	29,024	20	24.00	-	-	-	-	-	-	60,307	75	13.38	43,285	30	24.00	92	132,616
Fri-10/20/17	-	-	-	29,061	20	24.00	-	-	-	-	-	-	-	-	-	8,100	30	4.52	26	37,161
Sat-10/21/17	-	-	-	29,036	20	24.00	-	-	-	-	-	-	-	-	-	-	-	-	20	29,036
Sun-10/22/17	-	-	-	29,002	20	24.00	-	-	-	-	-	-	-	-	-	-	-	-	20	29,002
Mon-10/23/17	-	-	-	28,988	20	24.00	-	-	-	-	-	-	-	-	-	-	-	-	20	28,988
Tue-10/24/17	-	-	-	28,987	20	24.00	-	-	-	-	-	-	-	-	-	-	-	-	20	28,987
Wed-10/25/17	-	-	-	29,046	20	24.00	-	-	-	-	-	-	-	-	-	-	-	-	20	29,046
Thu-10/26/17	-	-	-	29,115	20	24.00	-	-	-	-	-	-	-	-	-	-	-	-	20	29,115
Fri-10/27/17	-	-	-	29,158	20	24.00	-	-	-	-	-	-	-	-	-	-	-	-	20	29,158
Sat-10/28/17	-	-	-	29,191	20	24.00	-	-	-	-	-	-	-	-	-	-	-	-	20	29,191
Sun-10/29/17	-	-	-	29,257	20	24.00	-	-	-	-	-	-	-	-	-	-	-	-	20	29,257
Mon-10/30/17	-	-	-	29,286	20	24.00	-	-	-	-	-	-	-	-	-	17,368	30	9.60	32	46,654
Tue-10/31/17	-	-	-	29,328	20	24.00	-	-	-	-	-	-	-	-	-	43,340	30	24.00	50	72,668
<b>TOTALS</b>	<b>622</b>	<b>124</b>	<b>0.08</b>	<b>894,044</b>	<b>20</b>	<b>742.12</b>	<b>-</b>	<b>0</b>	<b>0.10</b>	<b>85,704</b>	<b>75</b>	<b>19.07</b>	<b>301,249</b>	<b>75</b>	<b>66.82</b>	<b>867,842</b>	<b>30</b>	<b>481.05</b>	<b>48</b>	<b>2,149,461</b>

TOTAL VOLUME EXTRACTED :	2,149,461 GALLONS
DAYS IN MONTH :	31 DAYS
MONTHLY AVERAGE FLOW RATE :	48.15 GPM

10/04/17 - TW-2 was shut down briefly due to a DTE Energy power loss in the area.  
 10/10/17 - 10/11/17 - TW-20 was shut down to adjust the Pond level during maintenance on the treatment system.  
 10/11/17 - 10/19/17 - TW-10 and TW-14 were turned on periodically to adjust the Pond level.  
 10/16/17 - TW-1 and TW-3 were turned on briefly for sampling.  
 10/20/17 - 10/30/17 - TW-20 was shut down for a site investigation.

**MARSHY AREA EXTRACTION DATA**

**Month of: Oct-17**

Marshy Well Extraction				Daily Flow	Daily Total
Date	PW-1 Gallons	GPM	Run Hrs.	GPM	Gallons
Sun-10/1/17	-		-		-
Mon-10/2/17	-		-		-
Tue-10/3/17	-		-		-
Wed-10/4/17	-		-		-
Thu-10/5/17	-		-		-
Fri-10/6/17	-		-		-
Sat-10/7/17	-		-		-
Sun-10/8/17	-		-		-
Mon-10/9/17	-		-		-
Tue-10/10/17	1,565	2	13.60	1	1,565
Wed-10/11/17	2,833	2	24.00	2	2,833
Thu-10/12/17	2,843	2	24.00	2	2,843
Fri-10/13/17	2,855	2	24.00	2	2,855
Sat-10/14/17	2,861	2	24.00	2	2,861
Sun-10/15/17	2,834	2	24.00	2	2,834
Mon-10/16/17	2,853	2	24.00	2	2,853
Tue-10/17/17	2,878	2	24.00	2	2,878
Wed-10/18/17	2,927	2	24.00	2	2,927
Thu-10/19/17	3,034	2	24.00	2	3,034
Fri-10/20/17	709	3	4.52	0	709
Sat-10/21/17	-		-		-
Sun-10/22/17	-		-		-
Mon-10/23/17	-		-		-
Tue-10/24/17	-		-		-
Wed-10/25/17	-		-		-
Thu-10/26/17	-		-		-
Fri-10/27/17	-		-		-
Sat-10/28/17	-		-		-
Sun-10/29/17	-		-		-
Mon-10/30/17	1,372	2	9.58	1	1,372
Tue-10/31/17	3,286	2	24.00	2	3,286
<b>TOTALS</b>	<b>32,850</b>	<b>2</b>	<b>267.70</b>	<b>2</b>	<b>32,850</b>

<b>TOTAL VOLUME EXTRACTED :</b>	<b>32,850 GALLONS</b>
<b>DAYS IN MONTH :</b>	<b>31 DAYS</b>
<b>MONTHLY AVERAGE FLOW RATE :</b>	<b>0.74 GPM</b>

10/01/17 - 10/10/17 - PW-1 was shut down for low flow.  
 10/20/17 - 10/30/17 - PW-1 was shut down for a site investigation.

**SOUTHWEST AREA EXTRACTION DATA**

Month of: **Oct-17**

SouthWest Well Extraction				Daily Flow GPM	Daily Total Gallons
Date	ACTIVE WELLS				
	Gallons	GPM	Run Hrs.		
Sun-10/1/17	30,970	22	24.00	22	30,970
Mon-10/2/17	30,948	21	24.00	21	30,948
Tue-10/3/17	30,907	21	24.00	21	30,907
Wed-10/4/17	30,891	21	24.00	21	30,891
Thu-10/5/17	30,866	21	24.00	21	30,866
Fri-10/6/17	30,790	21	24.00	21	30,790
Sat-10/7/17	30,698	21	24.00	21	30,698
Sun-10/8/17	30,337	21	24.00	21	30,337
Mon-10/9/17	30,004	21	24.00	21	30,004
Tue-10/10/17	29,628	21	24.00	21	29,628
Wed-10/11/17	29,360	20	24.00	20	29,360
Thu-10/12/17	28,922	20	24.00	20	28,922
Fri-10/13/17	28,872	20	24.00	20	28,872
Sat-10/14/17	28,726	20	24.00	20	28,726
Sun-10/15/17	28,569	20	24.00	20	28,569
Mon-10/16/17	28,181	20	24.00	20	28,181
Tue-10/17/17	27,985	19	24.00	19	27,985
Wed-10/18/17	27,377	19	24.00	19	27,377
Thu-10/19/17	27,309	19	24.00	19	27,309
Fri-10/20/17	4,020	15	4.53	3	4,020
Sat-10/21/17	-	-	-	<2	-
Sun-10/22/17	-	-	-	<2	-
Mon-10/23/17	-	-	-	<2	-
Tue-10/24/17	-	-	-	<2	-
Wed-10/25/17	-	-	-	<2	-
Thu-10/26/17	-	-	-	<2	-
Fri-10/27/17	-	-	-	<2	-
Sat-10/28/17	-	-	-	<2	-
Sun-10/29/17	-	-	-	<2	-
Mon-10/30/17	12,843	22	9.58	9	12,843
Tue-10/31/17	29,253	20	24.00	20	29,253
<b>TOTALS</b>	<b>607,456</b>	<b>20</b>	<b>494.12</b>	<b>19</b>	<b>607,456</b>

<b>TOTAL VOLUME EXTRACTED :</b>	<b>607,456 GALLONS</b>
<b>DAYS IN MONTH :</b>	<b>31 DAYS</b>
<b>MONTHLY AVERAGE FLOW RATE :</b>	<b>13.61 GPM</b>

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

10/20/17 - 10/30/17 - SW extraction was shut down for a site investigation.

**TABLE #6**

**UNIT "E" EXTRACTION DATA**

Month of: Oct-17

Date	TW-17			TW-18			TW-19			TW-23			Daily Flow GPM	Daily Total Gallons
	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.		
Sun-10/1/17	-	-	-	225,897	157	24.00	44,320	31	24.00	99,142	69	24.00	256	369,359
Mon-10/2/17	-	-	-	225,896	157	24.00	44,588	31	24.00	99,199	69	24.00	257	369,683
Tue-10/3/17	-	-	-	223,202	155	24.00	44,728	31	24.00	99,198	69	24.00	255	367,128
Wed-10/4/17	-	-	-	218,691	152	24.00	44,725	31	24.00	99,244	69	24.00	252	362,660
Thu-10/5/17	-	-	-	218,668	152	24.00	44,750	31	24.00	99,186	69	24.00	252	362,604
Fri-10/6/17	-	-	-	218,656	152	24.00	44,760	31	24.00	99,149	69	24.00	252	362,565
Sat-10/7/17	-	-	-	218,723	152	24.00	44,785	31	24.00	99,201	69	24.00	252	362,709
Sun-10/8/17	-	-	-	218,718	152	24.00	44,776	31	24.00	99,206	69	24.00	252	362,700
Mon-10/9/17	-	-	-	218,695	152	24.00	44,763	31	24.00	99,144	69	24.00	252	362,602
Tue-10/10/17	-	-	-	188,263	155	20.28	44,777	31	24.00	99,095	69	24.00	231	332,135
Wed-10/11/17	54,060	80	11.25	137,916	157	14.68	19,319	31	10.30	42,603	69	10.30	176	253,898
Thu-10/12/17	37,479	80	7.82	225,781	157	24.00	22,563	32	11.90	49,110	69	11.90	233	334,933
Fri-10/13/17	-	-	-	225,848	157	24.00	45,629	32	24.00	99,195	69	24.00	257	370,672
Sat-10/14/17	-	-	-	225,847	157	24.00	45,655	32	24.00	99,170	69	24.00	257	370,672
Sun-10/15/17	-	-	-	225,841	157	24.00	45,524	32	24.00	99,155	69	24.00	257	370,520
Mon-10/16/17	-	-	-	225,837	157	24.00	45,599	32	24.00	99,146	69	24.00	257	370,582
Tue-10/17/17	43,564	70	10.35	85,305	156	9.10	45,483	32	24.00	99,183	69	24.00	190	273,535
Wed-10/18/17	100,981	70	24.00	-	-	-	45,319	31	24.00	99,142	69	24.00	170	245,442
Thu-10/19/17	56,240	70	13.38	100,987	157	10.72	45,327	31	24.00	99,188	69	24.00	210	301,742
Fri-10/20/17	58,090	50	19.32	226,629	157	24.00	45,339	31	24.00	99,236	69	24.00	298	429,294
Sat-10/21/17	72,114	50	24.00	226,654	157	24.00	45,331	31	24.00	99,178	69	24.00	308	443,277
Sun-10/22/17	72,221	50	24.00	226,678	157	24.00	45,329	31	24.00	99,200	69	24.00	308	443,428
Mon-10/23/17	72,195	50	24.00	226,632	157	24.00	45,356	31	24.00	99,256	69	24.00	308	443,439
Tue-10/24/17	13,752	50	4.58	226,629	157	24.00	45,411	32	24.00	99,182	69	24.00	267	384,974
Wed-10/25/17	-	-	-	226,614	157	24.00	45,441	32	24.00	99,248	69	24.00	258	371,303
Thu-10/26/17	-	-	-	226,617	157	24.00	45,436	32	24.00	99,254	69	24.00	258	371,307
Fri-10/27/17	-	-	-	226,636	157	24.00	45,477	32	24.00	99,233	69	24.00	258	371,346
Sat-10/28/17	-	-	-	226,643	157	24.00	45,509	32	24.00	99,197	69	24.00	258	371,349
Sun-10/29/17	-	-	-	226,644	157	24.00	45,527	32	24.00	99,463	69	24.00	258	371,634
Mon-10/30/17	-	-	-	226,653	157	24.00	45,572	32	24.00	99,450	69	24.00	258	371,675
Tue-10/31/17	-	-	-	226,657	157	24.00	45,579	32	24.00	99,336	69	24.00	258	371,572
<b>TOTALS</b>	<b>580,696</b>	<b>62</b>	<b>162.70</b>	<b>6,348,457</b>	<b>156</b>	<b>678.78</b>	<b>1,352,697</b>	<b>31</b>	<b>718.20</b>	<b>2,968,889</b>	<b>69</b>	<b>718.20</b>	<b>252</b>	<b>11,250,739</b>

<b>TOTAL VOLUME EXTRACTED :</b>	<b>11,250,739 GALLONS</b>
<b>DAYS IN MONTH :</b>	<b>31 DAYS</b>
<b>MONTHLY AVERAGE FLOW RATE :</b>	<b>262.03 GPM</b>

10/10/17 - 10/11/17 - TW-18 was shut down to adjust the Pond level during maintenance on the treatment system.  
 10/11/17 - 10/12/17 - TW-19 & TW-23 were shut down due to a DTE Energy power loss in the area.  
 10/11/17 - 10/24/17 - TW-17 was turned on periodically to adjust the Pond level.  
 10/17-17 - 10/19/17 - TW-18 was shut down for rehabilitation.

**TABLE #7**

**Little Lake Area System**

MW-53j	
Date	1,4-Dioxane ug/L
07/14/17	48
08/02/17	53
09/07/17	140*
10/03/17	43

A2 Cleaning Supply	
Date	1,4-Dioxane ug/L
07/12/17	82
08/10/17	78
09/11/17	90
10/03/17	84

\*confirmed



**TABLE #8**

**INDIVIDUAL PURGE WELL CONCENTRATIONS**

<b>SAMPLE ID</b>	<b>Date Sampled</b>	<b>1,4-DIOXANE (ppb)</b>
DOLPH-10-02-17-08:30-1	10/02/17	90
TW-1-10-16-17-11:40-1	10/16/17	88
TW-10-10-11-17-13:55-1	10/11/17	340
TW-14-10-11-17-14:06-1	10/11/17	27
TW-20-10-02-17-08:18-1	10/02/17	870
TW-3-10-16-17-11:45-1	10/16/17	1
LB-4-10-02-17-09:34-1	10/02/17	460
TW-21-10-02-17-09:45-1	10/02/17	180
TW-9-10-18-17-16:03-1	10/18/17	790
TW-17-10-11-17-14:01-1	10/11/17	500
TW-18-10-02-17-08:12-1	10/02/17	260
TW-19-10-02-17-10:42-1	10/02/17	710
TW-23-10-02-17-10:40-1	10/02/17	460
TW-22-10-02-17-08:37-1	10/02/17	440
TW-8-10-02-17-08:35-1	10/02/17	710

**RED POND DATA**

Month of: **Oct-17**

Date	Time	Notes	Red Pond				
			Pond	Level	Aeration	Influent	Influent
			Visual Chk	Feet	Hours	Hours	GPM
Sun-10/1/17	03:05:00	(1)		5.0	-	24.00	488
Mon-10/2/17	03:00:00		Y	4.9	-	24.00	488
Tue-10/3/17	03:00:00		Y	4.8	-	24.00	483
Wed-10/4/17	03:00:00		Y	5.3	-	24.00	477
Thu-10/5/17	03:00:00		Y	5.1	-	24.00	479
Fri-10/6/17	03:00:00		Y	5.0	-	24.00	478
Sat-10/7/17	03:00:00	(1)		4.9	-	24.00	478
Sun-10/8/17	03:00:00	(1)		4.8	-	24.00	478
Mon-10/9/17	03:00:00		Y	4.6	-	24.00	478
Tue-10/10/17	03:00:00		Y	4.4	-	24.00	445
Wed-10/11/17	03:00:00		Y	4.5	-	24.00	399
Thu-10/12/17	03:00:00		Y	4.8	-	24.00	454
Fri-10/13/17	03:00:00		Y	4.8	-	24.00	490
Sat-10/14/17	03:00:00	(1)		4.7	-	24.00	490
Sun-10/15/17	03:00:00	(1)		4.8	-	24.00	489
Mon-10/16/17	03:00:00		Y	4.7	-	24.00	490
Tue-10/17/17	03:00:00		Y	6.0	-	24.00	454
Wed-10/18/17	03:00:00		Y	5.8	-	24.00	478
Thu-10/19/17	03:00:00		Y	5.7	-	24.00	483
Fri-10/20/17	03:00:00		Y	5.6	-	24.00	487
Sat-10/21/17	03:00:00	(1)		5.7	-	24.00	488
Sun-10/22/17	03:00:00	(1)		5.7	-	24.00	488
Mon-10/23/17	03:00:00		Y	5.8	-	24.00	488
Tue-10/24/17	03:00:00		Y	6.3	-	24.00	448
Wed-10/25/17	03:00:00		Y	6.3	-	24.00	438
Thu-10/26/17	03:00:00		Y	6.4	-	24.00	438
Fri-10/27/17	03:00:00		Y	6.6	-	24.00	436
Sat-10/28/17	03:00:00	(1)		6.3	-	24.00	433
Sun-10/29/17	03:00:00	(1)		5.7	-	24.00	434
Mon-10/30/17	03:00:00		Y	5.0	-	24.00	458
Tue-10/31/17	03:00:00		Y	4.6	-	24.00	491
<b>TOTALS</b>			-	-	-	744	

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-10-02-17-08:10-1	10/2/2017	380
Red Pond-10-10-17-10:20-1	10/10/2017	500
Red Pond-10-16-17-06:00-1	10/16/2017	500
Red Pond-10-23-17-06:55-1	10/23/2017	420
Red Pond-10-25-17-07:00-1	10/25/2017	540
Red Pond-10-26-17-07:30-1	10/26/2017	650
Red Pond-10-27-17-08:16-1	10/27/2017	510
Red Pond-10-30-17-06:30-1	10/30/2017	350

Analyte value quantified from a dilution, reporting limit is raised to reflect dilution

OZONE OPERATION REPORT

Month of: Oct-17

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
Sun-10/1/17	03:07:00	(1)	240	24.00	0	0.00	240	24.00	0	0.00
Mon-10/2/17	03:00:00		240	24.00	0	0.00	240	24.00	0	0.00
Tue-10/3/17	03:00:00		240	22.28	0	0.00	241	22.27	0	0.00
Wed-10/4/17	03:00:00		240	24.00	0	0.00	240	24.00	0	0.00
Thu-10/5/17	03:00:00		240	23.82	0	0.00	241	23.80	0	0.00
Fri-10/6/17	03:00:00		240	24.00	0	0.00	240	24.00	0	0.00
Sat-10/7/17	03:00:00	(1)	240	24.00	0	0.00	240	23.92	0	0.00
Sun-10/8/17	03:00:00	(1)	240	24.00	0	0.00	240	24.00	0	0.00
Mon-10/9/17	03:00:00		240	24.00	0	0.00	240	24.00	0	0.00
Tue-10/10/17	03:00:00		240	18.38	0	0.00	241	24.00	0	0.00
Wed-10/11/17	03:00:00		0	15.82	0	0.00	240	23.95	0	0.00
Thu-10/12/17	03:00:00		240	24.00	0	0.00	241	19.82	0	0.00
Fri-10/13/17	03:00:00		240	24.00	0	0.00	240	24.00	0	0.00
Sat-10/14/17	03:00:00	(1)	240	24.00	0	0.00	240	24.00	0	0.00
Sun-10/15/17	03:00:00	(1)	240	24.00	0	0.00	241	24.00	0	0.00
Mon-10/16/17	03:00:00		240	15.15	0	0.00	240	24.00	0	0.00
Tue-10/17/17	03:00:00		240	22.95	0	0.00	240	22.97	0	0.00
Wed-10/18/17	03:00:00		240	23.88	0	0.00	240	23.88	0	0.00
Thu-10/19/17	03:00:00		240	24.00	0	0.00	240	24.00	0	0.00
Fri-10/20/17	03:00:00		240	24.00	0	0.00	240	24.00	0	0.00
Sat-10/21/17	03:00:00	(1)	240	24.00	0	0.00	240	24.00	0	0.00
Sun-10/22/17	03:00:00	(1)	240	24.00	0	0.00	241	24.00	0	0.00
Mon-10/23/17	03:00:00		239	23.83	0	0.00	241	23.87	0	0.00
Tue-10/24/17	03:00:00		240	24.00	0	0.00	241	24.00	0	0.00
Wed-10/25/17	03:00:00		239	24.00	0	0.00	240	24.00	0	0.00
Thu-10/26/17	03:00:00		240	24.00	0	0.00	241	23.08	0	0.00
Fri-10/27/17	03:00:00		241	23.85	0	0.00	240	23.33	0	0.00
Sat-10/28/17	03:00:00	(1)	240	24.00	0	0.00	240	24.00	0	0.00
Sun-10/29/17	03:00:00	(1)	240	24.00	0	0.00	240	24.00	0	0.00
Mon-10/30/17	03:00:00		240	24.00	0	0.00	239	24.00	0	0.00
Tue-10/31/17	03:00:00		240	24.00	0	0.00	240	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.

- 10/03/17 - Treatment was shut down briefly for maintenance.
- 10/10/17 - 10/11/17 - System 1A was shut down for maintenance.
- 10/12/17 - System 2A was shut down briefly for maintenance.
- 10/16/17 - 10/17/17 - System 1A was shut down for maintenance.
- 10/17/17 - System 2A was shut down briefly for maintenance.

**TABLE #12**

**GREEN POND / DISCHARGE DATA**

Month of: **Oct-17**

			<b>Green Pond</b>																	
<b>Date</b>	<b>Time</b>	<b>Notes</b>	<b>Pond</b>			<b>Influent</b>			<b>Pond Discharge</b>			<b>Bypass Discharge</b>			<b>Recirc Thru UV to Pond</b>			<b>Recirc Thru UV to Disch</b>		
			<b>Visual Chk</b>	<b>Level Feet</b>	<b>Aeration Hours</b>	<b>Influent Hours</b>	<b>Influent GPM</b>	<b>GPM</b>	<b>Gallons</b>	<b>Hours</b>	<b>GPM</b>	<b>Gallons</b>	<b>Hours</b>	<b>GPM</b>	<b>Gallons</b>	<b>Hours</b>	<b>GPM</b>	<b>Gallons</b>	<b>Hours</b>	
Sun-10/1/17	03:05:00	(1)		-	-							498	717,228	24.00	-	-	-	-	-	-
Mon-10/2/17	03:00:00		Y	-	-							498	717,219	24.00	-	-	-	-	-	-
Tue-10/3/17	03:00:00		Y	-	-							497	659,237	22.12	-	-	-	-	-	-
Wed-10/4/17	03:00:00		Y	-	-							497	715,957	24.00	-	-	-	-	-	-
Thu-10/5/17	03:00:00		Y	-	-							496	707,410	23.75	-	-	-	-	-	-
Fri-10/6/17	03:00:00		Y	-	-							496	714,606	24.00	-	-	-	-	-	-
Sat-10/7/17	03:00:00	(1)		-	-							495	712,794	24.00	-	-	-	-	-	-
Sun-10/8/17	03:00:00	(1)		-	-							496	714,956	24.00	-	-	-	-	-	-
Mon-10/9/17	03:00:00		Y	-	-							497	714,965	24.00	-	-	-	-	-	-
Tue-10/10/17	03:00:00		Y	-	-							437	629,796	24.00	-	-	-	-	-	-
Wed-10/11/17	03:00:00		Y	-	-							412	593,511	24.00	-	-	-	-	-	-
Thu-10/12/17	03:00:00		Y	-	-							456	656,235	24.00	-	-	-	-	-	-
Fri-10/13/17	03:00:00		Y	-	-							500	719,753	24.00	-	-	-	-	-	-
Sat-10/14/17	03:00:00	(1)		-	-							500	719,934	24.00	-	-	-	-	-	-
Sun-10/15/17	03:00:00	(1)		-	-							500	720,008	24.00	-	-	-	-	-	-
Mon-10/16/17	03:00:00		Y	-	-							405	582,879	24.00	-	-	-	-	-	-
Tue-10/17/17	03:00:00		Y	-	-							496	678,427	22.82	-	-	-	-	-	-
Wed-10/18/17	03:00:00		Y	-	-							492	708,172	24.00	-	-	-	-	-	-
Thu-10/19/17	03:00:00		Y	-	-							496	714,480	24.00	-	-	-	-	-	-
Fri-10/20/17	03:00:00		Y	-	-							496	714,497	24.00	-	-	-	-	-	-
Sat-10/21/17	03:00:00	(1)		-	-							496	714,726	24.00	-	-	-	-	-	-
Sun-10/22/17	03:00:00	(1)		-	-							496	714,864	24.00	-	-	-	-	-	-
Mon-10/23/17	03:00:00		Y	-	-							496	707,680	23.80	-	-	-	-	-	-
Tue-10/24/17	03:00:00		Y	-	-							496	713,935	24.00	-	-	-	-	-	-
Wed-10/25/17	03:00:00		Y	-	-							496	713,813	24.00	-	-	-	-	-	-
Thu-10/26/17	03:00:00		Y	-	-							485	697,849	24.00	-	-	-	-	-	-
Fri-10/27/17	03:00:00		Y	-	-							490	699,112	23.77	-	-	-	-	-	-
Sat-10/28/17	03:00:00	(1)		-	-							496	713,969	24.00	-	-	-	-	-	-
Sun-10/29/17	03:00:00	(1)		-	-							496	714,104	24.00	-	-	-	-	-	-
Mon-10/30/17	03:00:00		Y	-	-							496	714,385	24.00	-	-	-	-	-	-
Tue-10/31/17	03:00:00		Y	-	-							496	714,109	24.00	-	-	-	-	-	-
<b>TOTALS</b>													<b>21,630,610</b>	<b>740</b>						

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)	Quarterly		(Effluent - Outfall)	(Influent - Red Pond)	(Effluent - Outfall)	(Weekly)	(2 x Week)	(4 x Week)	(4 x Week)	(5 X Week)	(2 X Week)
PARAMETER NAME	Flow	Total Barium	Total Barium	1,4-Dioxane	1,4-Dioxane	Hydrogen Peroxide (measured as TRO)	Outfall Observation	Equipment Inspection	pH (Min. Daily)	pH (Max. Daily)	Bromate	Sodium Bisulfite Dose Rate
PARAMETER CODE	50050	1007	1007	82388	82388	00139	84130	46478	00400	00400	99814	99798
MONITORING PT.	001A	001A	001A	001A	001A	001A	001A	001A	001A	001A	001A	001A
STAGE CODE	1	1	1	1	G	1	1	1	1	1	1	1
UNIT	MGD	ug/l	lbs/day	ug/l	mg/l	ug/l	yes/no	yes/no	S.U.	S.U.	ug/l	mg/l
10/1/2017	0.717			6.1							8.4	
10/2/2017	0.717			6.3	0.380	<100	yes	yes	6.8	6.8	6.9	40
10/3/2017	0.659			6.2		<100	no	no	6.8	6.8	7.1	
10/4/2017	0.716			6.5		<100	no	no	6.7	6.7	6.8	
10/5/2017	0.707			6.4		<100	no	yes	6.8	6.8	8.2	40
10/6/2017	0.715	230	1.370			<100	no	no	6.8	6.8		
10/7/2017	0.713											
10/8/2017	0.715			6.6							7.5	
10/9/2017	0.715			8							7.7	
10/10/2017	0.630			7	0.500	<100	yes	yes	6.7	6.7	7	30
10/11/2017	0.594			6.9		<100	no	no	6.7	6.7	7	
10/12/2017	0.656			6		<100	no	yes	6.8	6.8	5.8	45
10/13/2017	0.720					<100	no	no	6.8	6.8		
10/14/2017	0.720											
10/15/2017	0.720			7							7.4	
10/16/2017	0.583			7	0.500	<100	yes	yes	6.9	6.9	7.6	30
10/17/2017	0.678			8		<100	no	no	6.8	6.8	6	
10/18/2017	0.708			8.0		<100	no	no	6.8	6.8	6.9	
10/19/2017	0.714			8		<100	no	yes	6.6	6.6	6.4	40
10/20/2017	0.714					<100	no	no	6.6	6.6		
10/21/2017	0.715											
10/22/2017	0.715			6							6.3	
10/23/2017	0.708			6	0.420	<100	yes	yes	6.6	6.6	5.5	55
10/24/2017	0.714			7		<100	no	no	6.7	6.7	0	
10/25/2017	0.714			8	0.540	<100	no	no	6.7	6.7	7	
10/26/2017	0.698			9.5	0.650	<100	no	yes	6.6	6.6	6.9	50
10/27/2017	0.699				0.510	<100	no	no	6.6	6.6		
10/28/2017	0.714											
10/29/2017	0.714			5.9							7.2	
10/30/2017	0.714			5.8	0.350	<100	yes	yes	6.6	6.6	6.8	40
10/31/2017	0.714			6.6		<100	no	no	6.7	6.7	6.4	
<b>Discharged</b>	<b>21.631</b>											
<b>Monthly Avg</b>				<b>6.9</b>							<b>6.6</b>	