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UNIT D2 UPGRADIENT EXTRACTION DATA

Month of: May-16

Date	TW-21			Daily	Daily
	TW-21			Flow	Total
	Gallons	GPM	Run Hrs.	GPM	Gallons
Sun-5/1/16	79,228	55	24.00	55	79,228
Mon-5/2/16	79,188	55	24.00	55	79,188
Tue-5/3/16	79,275	55	24.00	55	79,275
Wed-5/4/16	79,202	55	24.00	55	79,202
Thu-5/5/16	79,289	55	24.00	55	79,289
Fri-5/6/16	78,893	55	23.88	55	78,893
Sat-5/7/16	82,659	58	23.68	57	82,659
Sun-5/8/16	84,205	58	24.00	58	84,205
Mon-5/9/16	75,043	52	24.00	52	75,043
Tue-5/10/16	79,237	55	24.00	55	79,237
Wed-5/11/16	79,249	55	24.00	55	79,249
Thu-5/12/16	79,224	55	24.00	55	79,224
Fri-5/13/16	79,274	55	24.00	55	79,274
Sat-5/14/16	79,132	55	23.98	55	79,132
Sun-5/15/16	79,139	55	24.00	55	79,139
Mon-5/16/16	79,139	55	24.00	55	79,139
Tue-5/17/16	55,766	53	17.57	39	55,766
Wed-5/18/16	84,590	59	24.00	59	84,590
Thu-5/19/16	86,547	60	24.00	60	86,547
Fri-5/20/16	86,558	60	24.00	60	86,558
Sat-5/21/16	81,062	56	24.00	56	81,062
Sun-5/22/16	79,300	55	24.00	55	79,300
Mon-5/23/16	79,386	55	24.00	55	79,386
Tue-5/24/16	79,409	55	24.00	55	79,409
Wed-5/25/16	79,457	55	24.00	55	79,457
Thu-5/26/16	79,443	55	24.00	55	79,443
Fri-5/27/16	75,292	52	24.00	52	75,292
Sat-5/28/16	72,180	50	24.00	50	72,180
Sun-5/29/16	72,140	50	24.00	50	72,140
Mon-5/30/16	72,227	50	24.00	50	72,227
Tue-5/31/16	74,948	52	24.00	52	74,948
<b>TOTALS</b>	<b>2,429,681</b>	<b>55</b>	<b>737.11</b>	<b>54</b>	<b>2,429,681</b>

TOTAL VOLUME EXTRACTED :	2,429,681 GALLONS
DAYS IN MONTH :	31 DAYS
MONTHLY AVERAGE FLOW RATE :	54.43 GPM

05/17/16 - TW-21 was shut down briefly due to radio frequency traffic.

**UNIT D2 DOWNGRADIENT EXTRACTION DATA**

**Month of: May-16**

Date	LB-4			Daily	Daily
	Gallons	GPM	Run Hrs.	Flow GPM	Total Gallons
Sun-5/1/16	144,162	100	24.00	100	144,162
Mon-5/2/16	144,164	100	24.00	100	144,164
Tue-5/3/16	144,155	100	24.00	100	144,155
Wed-5/4/16	144,015	100	24.00	100	144,015
Thu-5/5/16	144,061	100	23.98	100	144,061
Fri-5/6/16	144,119	100	24.00	100	144,119
Sat-5/7/16	144,108	100	24.00	100	144,108
Sun-5/8/16	144,074	100	24.00	100	144,074
Mon-5/9/16	144,036	100	24.00	100	144,036
Tue-5/10/16	144,064	100	23.98	100	144,064
Wed-5/11/16	143,593	100	24.00	100	143,593
Thu-5/12/16	142,355	100	23.70	99	142,355
Fri-5/13/16	144,074	100	24.00	100	144,074
Sat-5/14/16	144,035	100	24.00	100	144,035
Sun-5/15/16	144,051	100	24.00	100	144,051
Mon-5/16/16	144,056	100	24.00	100	144,056
Tue-5/17/16	144,169	100	24.00	100	144,169
Wed-5/18/16	144,024	100	24.00	100	144,024
Thu-5/19/16	144,027	100	24.00	100	144,027
Fri-5/20/16	144,018	100	24.00	100	144,018
Sat-5/21/16	144,098	100	23.98	100	144,098
Sun-5/22/16	144,124	100	24.00	100	144,124
Mon-5/23/16	144,088	100	24.00	100	144,088
Tue-5/24/16	144,295	100	24.00	100	144,295
Wed-5/25/16	144,001	100	24.00	100	144,001
Thu-5/26/16	143,952	100	23.98	100	143,952
Fri-5/27/16	144,063	100	24.00	100	144,063
Sat-5/28/16	144,070	100	24.00	100	144,070
Sun-5/29/16	144,041	100	24.00	100	144,041
Mon-5/30/16	144,069	100	24.00	100	144,069
Tue-5/31/16	144,039	100	23.98	100	144,039
<b>TOTALS</b>	<b>4,464,200</b>	<b>100</b>	<b>743.60</b>	<b>100</b>	<b>4,464,200</b>

<b>TOTAL VOLUME EXTRACTED :</b>	<b>4,464,200 GALLONS</b>
<b>DAYS IN MONTH :</b>	<b>31 DAYS</b>
<b>MONTHLY AVERAGE FLOW RATE :</b>	<b>100.00 GPM</b>

**TABLE #3**

**CORE AREA EXTRACTION DATA**

Month of: **May-16**

Core Area Well Extraction													Daily	Daily
Date	TW-2 (Dolph)			TW-10			TW-14			TW-20			Flow	Total
	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.	GPM	Gallons
Sun-5/1/16	16,880	12	24.00	-	-	-	-	-	-	57,622	40	24.00	52	74,502
Mon-5/2/16	16,916	12	24.00	-	-	-	-	-	-	57,776	40	24.00	52	74,692
Tue-5/3/16	16,950	12	24.00	-	-	-	-	-	-	57,745	40	24.00	52	74,695
Wed-5/4/16	16,976	12	24.00	-	-	-	-	-	-	57,638	40	24.00	52	74,614
Thu-5/5/16	16,960	12	24.00	-	-	-	-	-	-	57,837	40	24.00	52	74,797
Fri-5/6/16	16,987	12	24.00	-	-	-	-	-	-	57,878	40	24.00	52	74,865
Sat-5/7/16	16,981	12	24.00	-	-	-	-	-	-	57,409	40	24.00	52	74,390
Sun-5/8/16	16,955	12	24.00	-	-	-	-	-	-	57,352	40	24.00	52	74,307
Mon-5/9/16	16,973	12	24.00	-	-	-	-	-	-	57,376	40	24.00	52	74,349
Tue-5/10/16	17,019	12	24.00	-	-	-	-	-	-	57,346	40	24.00	52	74,365
Wed-5/11/16	17,065	12	24.00	-	-	-	-	-	-	57,372	40	24.00	52	74,437
Thu-5/12/16	17,097	12	24.00	-	-	-	-	-	-	57,778	40	24.00	52	74,875
Fri-5/13/16	17,075	12	24.00	-	-	-	-	-	-	57,803	40	24.00	52	74,878
Sat-5/14/16	17,105	12	24.00	-	-	-	-	-	-	57,612	40	23.98	52	74,717
Sun-5/15/16	17,161	12	24.00	-	-	-	-	-	-	57,755	40	24.00	52	74,916
Mon-5/16/16	17,241	12	24.00	-	-	-	-	-	-	57,675	40	24.00	52	74,916
Tue-5/17/16	17,299	12	24.00	-	-	-	-	-	-	57,470	40	24.00	52	74,769
Wed-5/18/16	17,264	12	24.00	-	-	-	-	-	-	57,381	40	24.00	52	74,645
Thu-5/19/16	17,272	12	24.00	-	-	-	-	-	-	57,239	40	24.00	52	74,511
Fri-5/20/16	17,282	12	24.00	-	-	-	-	-	-	57,896	40	24.00	52	75,178
Sat-5/21/16	17,288	12	24.00	-	-	-	-	-	-	57,436	40	24.00	52	74,724
Sun-5/22/16	17,272	12	24.00	-	-	-	-	-	-	57,848	40	24.00	52	75,120
Mon-5/23/16	17,279	12	24.00	-	-	-	-	-	-	57,592	40	24.00	52	74,871
Tue-5/24/16	17,304	12	24.00	69,212	75	15.42	-	-	-	57,466	40	24.00	100	143,982
Wed-5/25/16	17,255	12	24.00	38,543	75	8.57	-	-	-	57,701	40	24.00	79	113,499
Thu-5/26/16	17,240	12	24.00	-	-	-	-	-	-	57,532	40	24.00	52	74,772
Fri-5/27/16	17,160	12	24.00	-	-	-	203	23	0.15	57,939	40	24.00	52	75,302
Sat-5/28/16	17,130	12	24.00	-	-	-	-	-	-	57,743	40	24.00	52	74,873
Sun-5/29/16	17,118	12	24.00	-	-	-	-	-	-	57,662	40	24.00	52	74,780
Mon-5/30/16	17,095	12	24.00	-	-	-	-	-	-	57,553	40	24.00	52	74,648
Tue-5/31/16	17,099	12	24.00	-	-	-	-	-	-	57,472	40	24.00	52	74,571
<b>TOTALS</b>	<b>530,698</b>	<b>12</b>	<b>744.00</b>	<b>107,755</b>	<b>75</b>	<b>23.98</b>	<b>203</b>	<b>23</b>	<b>0.15</b>	<b>1,785,904</b>	<b>40</b>	<b>743.98</b>	<b>54</b>	<b>2,424,560</b>

TOTAL VOLUME EXTRACTED :	2,424,560 GALLONS
DAYS IN MONTH :	31 DAYS
MONTHLY AVERAGE FLOW RATE :	54.31 GPM

05/24/16-05/25/16 - TW-10 was turned on briefly to maintain the Pond level during maintenance to TW-18.  
 05/27/16 - TW-14 was turned on briefly for maintenance.

**MARSHY AREA EXTRACTION DATA**

**Month of: May-16**

Marshy Well Extraction				Daily Flow	Daily Total
Date	PW-1 Gallons	GPM	Run Hrs.	GPM	Gallons
Sun-5/1/16	1	.	.	0	1
Mon-5/2/16	925	.	.	1	925
Tue-5/3/16	1,224	.	.	1	1,224
Wed-5/4/16	764	.	.	1	764
Thu-5/5/16	107	.	.	0	107
Fri-5/6/16	106	.	.	0	106
Sat-5/7/16	107	.	.	0	107
Sun-5/8/16	108	.	.	0	108
Mon-5/9/16	108	.	.	0	108
Tue-5/10/16	104	.	.	0	104
Wed-5/11/16	92	.	.	0	92
Thu-5/12/16	80	.	.	0	80
Fri-5/13/16	68	.	.	0	68
Sat-5/14/16	60	.	.	0	60
Sun-5/15/16	54	.	.	0	54
Mon-5/16/16	49	.	.	0	49
Tue-5/17/16	47	.	.	0	47
Wed-5/18/16	44	.	.	0	44
Thu-5/19/16	40	.	.	0	40
Fri-5/20/16	35	.	.	0	35
Sat-5/21/16	31	.	.	0	31
Sun-5/22/16	29	.	.	0	29
Mon-5/23/16	29	.	.	0	29
Tue-5/24/16	29	.	.	0	29
Wed-5/25/16	29	.	.	0	29
Thu-5/26/16	28	.	.	0	28
Fri-5/27/16	28	.	.	0	28
Sat-5/28/16	30	.	.	0	30
Sun-5/29/16	30	.	.	0	30
Mon-5/30/16	30	.	.	0	30
Tue-5/31/16	31	.	.	0	31
<b>TOTALS</b>	<b>4,447</b>	.	.	<b>0</b>	<b>4,447</b>

<b>TOTAL VOLUME EXTRACTED :</b>	<b>4,447 GALLONS</b>
<b>DAYS IN MONTH :</b>	<b>31 DAYS</b>
<b>MONTHLY AVERAGE FLOW RATE :</b>	<b>0.10 GPM</b>

Flow rate is interrupted and/or too low to record run time or GPM.

**SOUTHWEST AREA EXTRACTION DATA**

Month of: **May-16**

SouthWest Well Extraction				Daily	Daily
Date	ACTIVE WELLS			Flow	Total
	Gallons	GPM	Run Hrs.	GPM	Gallons
Sun-5/1/16	39,072	27	24.00	27	39,072
Mon-5/2/16	39,143	27	24.00	27	39,143
Tue-5/3/16	39,206	27	24.00	27	39,206
Wed-5/4/16	39,238	27	24.00	27	39,238
Thu-5/5/16	39,212	27	24.00	27	39,212
Fri-5/6/16	39,223	27	24.00	27	39,223
Sat-5/7/16	39,192	27	24.00	27	39,192
Sun-5/8/16	39,065	27	24.00	27	39,065
Mon-5/9/16	38,985	27	24.00	27	38,985
Tue-5/10/16	38,955	27	24.00	27	38,955
Wed-5/11/16	38,958	27	24.00	27	38,958
Thu-5/12/16	38,974	27	24.00	27	38,974
Fri-5/13/16	39,009	27	24.00	27	39,009
Sat-5/14/16	39,288	27	24.00	27	39,288
Sun-5/15/16	39,347	27	24.00	27	39,347
Mon-5/16/16	39,396	27	24.00	27	39,396
Tue-5/17/16	39,440	27	24.00	27	39,440
Wed-5/18/16	39,381	27	24.00	27	39,381
Thu-5/19/16	39,409	27	24.00	27	39,409
Fri-5/20/16	39,442	27	24.00	27	39,442
Sat-5/21/16	39,467	27	24.00	27	39,467
Sun-5/22/16	39,444	27	24.00	27	39,444
Mon-5/23/16	39,456	27	24.00	27	39,456
Tue-5/24/16	39,509	27	24.00	27	39,509
Wed-5/25/16	39,450	27	24.00	27	39,450
Thu-5/26/16	39,390	27	24.00	27	39,390
Fri-5/27/16	39,270	27	24.00	27	39,270
Sat-5/28/16	39,019	27	24.00	27	39,019
Sun-5/29/16	39,030	27	24.00	27	39,030
Mon-5/30/16	39,024	27	24.00	27	39,024
Tue-5/31/16	39,021	27	24.00	27	39,021
<b>TOTALS</b>	<b>1,216,015</b>	<b>27</b>	<b>744.00</b>	<b>27</b>	<b>1,216,015</b>

<b>TOTAL VOLUME EXTRACTED :</b>	<b>1,216,015 GALLONS</b>
<b>DAYS IN MONTH :</b>	<b>31 DAYS</b>
<b>MONTHLY AVERAGE FLOW RATE :</b>	<b>27.24 GPM</b>

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

TABLE #6

UNIT "E" EXTRACTION DATA

Month of: May-16

Date	TW-12			TW-16			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.	Gallons	GPM	Run Hrs.		
Sun-5/1/16	.	.	.	46,264	32	24.00	.	.	.	219,416	152	24.00	101,223	70	24.00	255	366,993
Mon-5/2/16	.	.	.	46,254	32	24.00	.	.	.	219,366	152	24.00	101,234	70	24.00	255	366,854
Tue-5/3/16	.	.	.	46,263	32	24.00	.	.	.	219,399	152	24.00	101,217	70	24.00	255	366,879
Wed-5/4/16	.	.	.	46,231	32	24.00	.	.	.	219,374	152	24.00	101,252	70	24.00	255	366,857
Thu-5/5/16	.	.	.	46,231	32	24.00	.	.	.	219,372	152	24.00	101,244	70	24.00	255	366,847
Fri-5/6/16	.	.	.	46,130	32	23.90	.	.	.	218,494	152	23.90	100,718	70	23.90	254	365,342
Sat-5/7/16	.	.	.	41,940	33	21.50	.	.	.	224,752	158	23.70	89,997	70	21.40	248	356,689
Sun-5/8/16	.	.	.	46,309	32	24.00	.	.	.	232,255	161	24.00	101,160	70	24.00	261	379,724
Mon-5/9/16	.	.	.	46,332	32	24.00	.	.	.	219,330	152	24.00	101,136	70	24.00	255	366,798
Tue-5/10/16	.	.	.	46,342	32	24.00	.	.	.	219,351	152	24.00	101,134	70	24.00	255	366,827
Wed-5/11/16	.	.	.	46,330	32	24.00	.	.	.	219,355	152	24.00	101,144	70	24.00	255	366,829
Thu-5/12/16	.	.	.	45,713	32	23.70	.	.	.	219,326	152	24.00	99,932	70	23.70	253	364,971
Fri-5/13/16	.	.	.	46,200	32	24.00	.	.	.	219,309	152	24.00	101,282	70	24.00	255	366,791
Sat-5/14/16	.	.	.	46,182	32	24.00	.	.	.	219,271	152	24.00	101,305	70	24.00	255	366,758
Sun-5/15/16	.	.	.	46,190	32	24.00	.	.	.	219,346	152	24.00	101,301	70	24.00	255	366,837
Mon-5/16/16	.	.	.	46,190	32	24.00	.	.	.	219,395	152	24.00	101,301	70	24.00	255	366,886
Tue-5/17/16	.	.	.	33,895	32	17.50	.	.	.	161,808	155	17.42	73,884	70	17.50	187	269,587
Wed-5/18/16	.	.	.	46,426	32	24.00	.	.	.	231,674	161	24.00	101,653	70	24.00	263	379,153
Thu-5/19/16	.	.	.	46,419	32	24.00	.	.	.	233,938	162	24.00	101,653	70	24.00	265	381,410
Fri-5/20/16	.	.	.	46,410	32	24.00	.	.	.	233,965	162	24.00	101,657	70	24.00	265	381,432
Sat-5/21/16	.	.	.	46,398	32	24.00	.	.	.	228,738	159	24.00	101,673	70	24.00	261	376,209
Sun-5/22/16	.	.	.	46,406	32	24.00	.	.	.	226,671	157	24.00	101,656	70	24.00	260	374,133
Mon-5/23/16	.	.	.	46,422	32	24.00	.	.	.	226,688	157	24.00	101,633	70	24.00	260	374,143
Tue-5/24/16	.	.	.	46,404	32	24.00	69,212	75	15.37	61,151	157	6.48	101,049	70	24.00	193	277,816
Wed-5/25/16	550	31	0.30	46,406	32	24.00	38,803	75	8.63	143,234	154	15.53	101,039	70	24.00	229	330,032
Thu-5/26/16	.	.	.	46,391	32	24.00	.	.	.	219,515	152	24.00	101,048	70	24.00	255	366,954
Fri-5/27/16	.	.	.	46,379	32	24.00	.	.	.	219,502	152	24.00	101,060	70	24.00	255	366,941
Sat-5/28/16	.	.	.	46,386	32	24.00	.	.	.	219,523	152	24.00	101,053	70	24.00	255	366,962
Sun-5/29/16	.	.	.	46,411	32	24.00	.	.	.	219,522	152	24.00	101,033	70	24.00	255	366,966
Mon-5/30/16	.	.	.	46,412	32	24.00	.	.	.	224,579	156	24.00	101,027	70	24.00	258	372,018
Tue-5/31/16	.	.	.	46,433	32	24.00	.	.	.	226,825	158	24.00	101,001	70	24.00	260	374,261
<b>TOTALS</b>	<b>550</b>	<b>31</b>	<b>0.30</b>	<b>1,418,699</b>	<b>32</b>	<b>734.60</b>	<b>108,015</b>	<b>75</b>	<b>24.00</b>	<b>6,604,444</b>	<b>155</b>	<b>711.03</b>	<b>3,095,101</b>	<b>70</b>	<b>734.50</b>	<b>251</b>	<b>11,226,809</b>

TOTAL VOLUME EXTRACTED :	11,226,809 GALLONS
DAYS IN MONTH :	31 DAYS
MONTHLY AVERAGE FLOW RATE :	261.50 GPM

05/07/16 - TW-16 was shut down briefly due to radio frequency traffic.  
 05/17/16 - TW-16 and TW-18 were shut down briefly due to radio frequency traffic.  
 05/24/16-05/25/16 - TW-17 was turned on briefly to maintain the Pond level during repairs to TW-18.  
 05/25/16 - TW-12 was turned on briefly for sampling.

**TABLE #7**

**Little Lake Area System**

MW-53i	
Date	1,4-Dioxane ug/L
02/01/16	56
03/02/16	65
04/01/16	51
05/02/16	61

A2 Cleaning Supply Well	
Date	1,4-Dioxane ug/L
02/02/16	48
03/03/16	68
04/05/16	57
05/02/16	54



**TABLE #8**

**INDIVIDUAL PURGE WELL CONCENTRATIONS**

<b>SAMPLE ID</b>	<b>Date Sampled</b>	<b>1,4-DIOXANE (ppb)</b>
DOLPH-05-02-16-07:43-1	05/02/16	110
TW-20-05-02-16-08:05-1	05/02/16	900
LB-4-05-02-16-09:16-1	05/02/16	490
TW-21-05-02-16-10:30-1	05/02/16	160
TW-16-05-02-16-10:18-1	05/02/16	850
TW-18-05-02-16-07:56-1	05/02/16	300
TW-19-05-02-16-10:16-1	05/02/16	680
PW-1-05-02-16-07:53-1	05/02/16	690
TW-22-05-02-16-10:48-1	05/02/16	550
TW-8-05-02-16-10:50-1	05/02/16	710

RED POND DATA

Month of: May-16

Date	Time	Notes	Red Pond				
			Pond Visual Chk	Level Feet	Aeration Hours	Influent Hours	Influent GPM
Sun-5/1/16	3:05	(1)		5.0	-	24.00	489
Mon-5/2/16	3:00		Y	5.0	-	24.00	490
Tue-5/3/16	3:00		Y	5.0	-	24.00	490
Wed-5/4/16	3:00		Y	5.0	-	24.00	489
Thu-5/5/16	3:00		Y	5.0	-	24.00	489
Fri-5/6/16	3:00		Y	5.0	-	24.00	488
Sat-5/7/16	3:00	(1)		5.0	-	24.00	484
Sun-5/8/16	3:00	(1)		4.9	-	24.00	501
Mon-5/9/16	3:00		Y	5.0	-	24.00	486
Tue-5/10/16	3:00		Y	4.9	-	24.00	489
Wed-5/11/16	3:00		Y	4.9	-	24.00	488
Thu-5/12/16	3:00		Y	4.9	-	24.00	486
Fri-5/13/16	3:00		Y	5.8	-	24.00	489
Sat-5/14/16	3:00	(1)		5.8	-	24.00	489
Sun-5/15/16	3:00	(1)		5.9	-	24.00	489
Mon-5/16/16	3:00		Y	5.8	-	24.00	489
Tue-5/17/16	3:00		Y	5.6	-	24.00	405
Wed-5/18/16	3:00		Y	4.5	-	24.00	501
Thu-5/19/16	3:00		Y	4.7	-	24.00	504
Fri-5/20/16	3:00		Y	4.9	-	24.00	505
Sat-5/21/16	3:00	(1)		5.0	-	24.00	497
Sun-5/22/16	3:00	(1)		5.1	-	24.00	495
Mon-5/23/16	3:00		Y	5.1	-	24.00	494
Tue-5/24/16	3:00		Y	5.2	-	24.00	476
Wed-5/25/16	3:00		Y	5.0	-	24.00	491
Thu-5/26/16	3:00		Y	5.2	-	24.00	489
Fri-5/27/16	3:00		Y	5.2	-	24.00	487
Sat-5/28/16	3:00	(1)		5.1	-	24.00	484
Sun-5/29/16	3:00	(1)		5.1	-	24.00	484
Mon-5/30/16	3:00		Y	4.9	-	24.00	488
Tue-5/31/16	3:00		Y	4.9	-	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

SAMPLE ID	Date Sampled	1,4-DIOXANE (ppb)
Red Pond-05-02-16-06:35-1	5/2/2016	450
Red Pond-05-09-16-06:50-1	5/9/2016	460
Red Pond-05-16-16-08:30-1	5/16/2016	500
Red Pond-05-23-16-08:15-1	5/23/2016	510
Red Pond-05-31-16-06:20-1	5/31/2016	470

Analyte value quantified from a dilution, reporting limit is raised to 10 ppb to reflect dilution

**OZONE OPERATION REPORT**

**Month of: May-16**

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-5/1/16	3:07 AM	(1)	239	24.00	0	0.00	240	24.00	0	0.00
Mon-5/2/16	3:00 AM		240	24.00	0	0.00	240	24.00	0	0.00
Tue-5/3/16	3:00 AM		240	24.00	0	0.00	240	24.00	0	0.00
Wed-5/4/16	3:00 AM		239	24.00	0	0.00	240	24.00	0	0.00
Thu-5/5/16	3:00 AM		240	23.87	0	0.00	240	23.87	0	0.00
Fri-5/6/16	3:00 AM		240	23.85	0	0.00	240	23.87	0	0.00
Sat-5/7/16	3:00 AM	(1)	240	24.00	0	0.00	240	24.00	0	0.00
Sun-5/8/16	3:00 AM	(1)	240	24.00	0	0.00	241	24.00	0	0.00
Mon-5/9/16	3:00 AM		240	24.00	0	0.00	241	24.00	0	0.00
Tue-5/10/16	3:00 AM		239	24.00	0	0.00	240	24.00	0	0.00
Wed-5/11/16	3:00 AM		240	24.00	0	0.00	240	24.00	0	0.00
Thu-5/12/16	3:00 AM		240	21.17	0	0.00	240	22.08	0	0.00
Fri-5/13/16	3:00 AM		240	24.00	0	0.00	240	24.00	0	0.00
Sat-5/14/16	3:00 AM	(1)	240	23.75	0	0.00	240	23.60	0	0.00
Sun-5/15/16	3:00 AM	(1)	240	24.00	0	0.00	240	24.00	0	0.00
Mon-5/16/16	3:00 AM		240	24.00	0	0.00	240	24.00	0	0.00
Tue-5/17/16	3:00 AM		240	24.00	0	0.00	240	24.00	0	0.00
Wed-5/18/16	3:00 AM		240	24.00	0	0.00	240	24.00	0	0.00
Thu-5/19/16	3:00 AM		239	24.00	0	0.00	240	24.00	0	0.00
Fri-5/20/16	3:00 AM		240	24.00	0	0.00	240	24.00	0	0.00
Sat-5/21/16	3:00 AM	(1)	240	24.00	0	0.00	240	24.00	0	0.00
Sun-5/22/16	3:00 AM	(1)	240	24.00	0	0.00	240	24.00	0	0.00
Mon-5/23/16	3:00 AM		240	24.00	0	0.00	239	24.00	0	0.00
Tue-5/24/16	3:00 AM		240	23.73	0	0.00	240	23.57	0	0.00
Wed-5/25/16	3:00 AM		240	23.85	0	0.00	241	22.93	0	0.00
Thu-5/26/16	3:00 AM		240	23.87	0	0.00	241	23.87	0	0.00
Fri-5/27/16	3:00 AM		240	24.00	0	0.00	239	24.00	0	0.00
Sat-5/28/16	3:00 AM	(1)	239	23.87	0	0.00	240	23.88	0	0.00
Sun-5/29/16	3:00 AM	(1)	240	24.00	0	0.00	240	24.00	0	0.00
Mon-5/30/16	3:00 AM		240	24.00	0	0.00	241	24.00	0	0.00
Tue-5/31/16	3:00 AM		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.

05/12/16 - Treatment was shut down briefly due to DTE Energy power loss.

05/25/16 - System 2A was shut down briefly for maintenance.

TABLE #12

GREEN POND / DISCHARGE DATA

Month of: May-16

Date	Time	Notes	Green Pond																				
			Pond			Aeration			Influent 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				
Sun-5/1/16	3:05 AM	(1)		-	-							499	719,261	24.00	-	-	-	-	-	-			
Mon-5/2/16	3:00 AM		Y	-	-							500	719,358	24.00	-	-	-	-	-	-			
Tue-5/3/16	3:00 AM		Y	-	-							500	719,787	24.00	-	-	-	-	-	-			
Wed-5/4/16	3:00 AM		Y	-	-							500	719,878	24.00	-	-	-	-	-	-			
Thu-5/5/16	3:00 AM		Y	-	-							496	714,306	24.00	-	-	-	-	-	-			
Fri-5/6/16	3:00 AM		Y	-	-							500	713,428	23.78	-	-	-	-	-	-			
Sat-5/7/16	3:00 AM	(1)		-	-							500	720,023	24.00	-	-	-	-	-	-			
Sun-5/8/16	3:00 AM	(1)		-	-							500	719,953	24.00	-	-	-	-	-	-			
Mon-5/9/16	3:00 AM		Y	-	-							500	719,717	24.00	-	-	-	-	-	-			
Tue-5/10/16	3:00 AM		Y	-	-							500	719,580	24.00	-	-	-	-	-	-			
Wed-5/11/16	3:00 AM		Y	-	-							500	719,602	24.00	-	-	-	-	-	-			
Thu-5/12/16	3:00 AM		Y	-	-							498	630,973	21.10	-	-	-	-	-	-			
Fri-5/13/16	3:00 AM		Y	-	-							499	718,494	24.00	-	-	-	-	-	-			
Sat-5/14/16	3:00 AM	(1)		-	-							499	704,995	23.57	-	-	-	-	-	-			
Sun-5/15/16	3:00 AM	(1)		-	-							499	718,325	24.00	-	-	-	-	-	-			
Mon-5/16/16	3:00 AM		Y	-	-							499	718,464	24.00	-	-	-	-	-	-			
Tue-5/17/16	3:00 AM		Y	-	-							499	719,182	24.00	-	-	-	-	-	-			
Wed-5/18/16	3:00 AM		Y	-	-							499	719,167	24.00	-	-	-	-	-	-			
Thu-5/19/16	3:00 AM		Y	-	-							500	719,298	24.00	-	-	-	-	-	-			
Fri-5/20/16	3:00 AM		Y	-	-							499	719,240	24.00	-	-	-	-	-	-			
Sat-5/21/16	3:00 AM	(1)		-	-							499	719,230	24.00	-	-	-	-	-	-			
Sun-5/22/16	3:00 AM	(1)		-	-							500	719,634	24.00	-	-	-	-	-	-			
Mon-5/23/16	3:00 AM		Y	-	-							500	719,770	24.00	-	-	-	-	-	-			
Tue-5/24/16	3:00 AM		Y	-	-							498	707,023	23.68	-	-	-	-	-	-			
Wed-5/25/16	3:00 AM		Y	-	-							486	700,374	24.00	-	-	-	-	-	-			
Thu-5/26/16	3:00 AM		Y	-	-							496	713,873	24.00	-	-	-	-	-	-			
Fri-5/27/16	3:00 AM		Y	-	-							499	719,070	24.00	-	-	-	-	-	-			
Sat-5/28/16	3:00 AM	(1)		-	-							496	714,095	24.00	-	-	-	-	-	-			
Sun-5/29/16	3:00 AM	(1)		-	-							499	719,104	24.00	-	-	-	-	-	-			
Mon-5/30/16	3:00 AM	(1)		-	-							499	718,888	24.00	-	-	-	-	-	-			
Tue-5/31/16	3:00 AM		Y	-	-							499	718,921	24.00	-	-	-	-	-	-			
<b>TOTALS</b>													<b>22,143,013</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 end/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
5/1/2016	0.719			4.2							6.1	
5/2/2016	0.719			4.3	0.450	<100	no	yes	6.7	6.7	6.2	40
5/3/2016	0.720			4.3		<100	no	no	6.8	6.8	6.0	
5/4/2016	0.720			4.4		<100	yes	yes	6.7	6.7	7.0	
5/5/2016	0.714			4.6		<100	no	no	6.7	6.7	5.6	
5/6/2016	0.713					<100	no	no	6.8	6.8		35
5/7/2016	0.720											
5/8/2016	0.720			4.2							6.1	
5/9/2016	0.720			4.6	0.460	<100	no	yes	6.7	6.7	6.7	35
5/10/2016	0.720			4.6		<100	no	no	6.8	6.8	6.0	
5/11/2016	0.720			4.5		<100	yes	yes	6.8	6.8	6.1	
5/12/2016	0.631			4.5		<100	no	no	6.8	6.8	6.2	
5/13/2016	0.718					<100	no	no	6.7	6.7		30
5/14/2016	0.705											
5/15/2016	0.718			4.7							6.6	
5/16/2016	0.718			5.5	0.500	<100	no	yes	6.7	6.7	6.3	20
5/17/2016	0.719			5.9		<100	no	no	6.8	6.8	7.3	
5/18/2016	0.719			5.3		<100	yes	yes	6.7	6.7	6.6	
5/19/2016	0.719			5.3		<100	no	no	6.7	6.7	6.0	
5/20/2016	0.719					<100	no	no	6.7	6.7		50
5/21/2016	0.719											
5/22/2016	0.720			5.2							5.3	
5/23/2016	0.720			5.1	0.510	<100	no	yes	6.8	6.8	5.3	45
5/24/2016	0.707			5.4		<100	no	no	6.8	6.8	6.6	
5/25/2016	0.700			5.4		<100	yes	yes	6.8	6.8	5.8	
5/26/2016	0.714			6.2		<100	no	no	6.6	6.6	7.4	
5/27/2016	0.719					<100	no	no	6.6	6.6		45
5/28/2016	0.714											
5/29/2016	0.719			5.7							5.3	
5/30/2016	0.719			6.1			no	no			6.8	
5/31/2016	0.719			6.0	0.470	<100	no	yes	6.7	6.7	<5.0	40
<b>Discharged (mg)</b>	<b>22.143</b>											
<b>Monthly Avg</b>				<b>5.0</b>							<b>6.0</b>	

5/30/16 - holiday

\*Barium is sampled and analyzed quarterly per NPDES permit