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EXTRACTION DATA

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UNIT D2 UPGRADIENT EXTRACTION DATA

Month of: Jul-16

Date	TW-9			TW-21			Daily Flow	Daily Total
	Gallons	GPM	Run Hrs.	TW-21		Run Hrs.	GPM	Gallons
				Gallons	GPM			
Fri-7/1/16	-	-	-	79,420	55	24.00	55	79,420
Sat-7/2/16	-	-	-	79,448	55	24.00	55	79,448
Sun-7/3/16	-	-	-	79,483	55	24.00	55	79,483
Mon-7/4/16	-	-	-	79,443	55	24.00	55	79,443
Tue-7/5/16	-	-	-	79,597	55	24.00	55	79,597
Wed-7/6/16	-	-	-	79,577	55	24.00	55	79,577
Thu-7/7/16	-	-	-	79,525	55	24.00	55	79,525
Fri-7/8/16	13,300	45	4.92	86,825	60	24.00	70	100,125
Sat-7/9/16	25,686	45	9.52	89,597	62	24.00	80	115,283
Sun-7/10/16	-	-	-	79,474	55	24.00	55	79,474
Mon-7/11/16	-	-	-	79,485	55	24.00	55	79,485
Tue-7/12/16	-	-	-	79,517	55	24.00	55	79,517
Wed-7/13/16	-	-	-	79,514	55	24.00	55	79,514
Thu-7/14/16	-	-	-	79,440	55	24.00	55	79,440
Fri-7/15/16	-	-	-	79,386	55	24.00	55	79,386
Sat-7/16/16	-	-	-	79,377	55	24.00	55	79,377
Sun-7/17/16	14,369	45	5.33	45,678	55	13.83	42	60,047
Mon-7/18/16	64,703	45	24.00	45,678	55	13.83	77	110,381
Tue-7/19/16	4,917	45	1.83	77,194	55	23.32	57	82,111
Wed-7/20/16	-	-	-	79,467	55	24.00	55	79,467
Thu-7/21/16	-	-	-	80,264	56	24.00	56	80,264
Fri-7/22/16	-	-	-	82,015	57	24.00	57	82,015
Sat-7/23/16	-	-	-	79,451	55	24.00	55	79,451
Sun-7/24/16	-	-	-	79,365	55	24.00	55	79,365
Mon-7/25/16	-	-	-	79,407	55	24.00	55	79,407
Tue-7/26/16	-	-	-	79,383	55	24.00	55	79,383
Wed-7/27/16	-	-	-	79,418	55	24.00	55	79,418
Thu-7/28/16	-	-	-	79,432	55	24.00	55	79,432
Fri-7/29/16	-	-	-	79,425	55	24.00	55	79,425
Sat-7/30/16	-	-	-	79,390	55	24.00	55	79,390
Sun-7/31/16	-	-	-	79,391	55	24.00	55	79,391
TOTALS	122,975	45	45.60	2,414,066	56	722.98	57	2,537,041

TOTAL VOLUME EXTRACTED :	2,537,041 GALLONS
DAYS IN MONTH :	31 DAYS
MONTHLY AVERAGE FLOW RATE :	56.83 GPM

07/08/16 - 07/09/16 - TW-9 was turned on to maintain the Pond level while TW-18 was down due to a DTE Energy power failure.
 07/17/16 - 07/19/16 - TW-9 was turned on to maintain the Pond level while TW-18 and TW-21 were down due to a broken DTE Energy transformer.

UNIT D2 DOWNGRADIENT EXTRACTION DATA

Month of: Jul-16

Date	LB-4			Daily	Daily
	Gallons	GPM	Run Hrs.	Flow GPM	Total Gallons
Fri-7/1/16	144,234	100	24.00	100	144,234
Sat-7/2/16	144,192	100	24.00	100	144,192
Sun-7/3/16	144,244	100	24.00	100	144,244
Mon-7/4/16	144,314	100	24.00	100	144,314
Tue-7/5/16	144,315	100	23.98	100	144,315
Wed-7/6/16	144,264	100	24.00	100	144,264
Thu-7/7/16	144,304	100	24.00	100	144,304
Fri-7/8/16	141,317	99	23.70	98	141,317
Sat-7/9/16	144,003	100	23.98	100	144,003
Sun-7/10/16	143,956	100	24.00	100	143,956
Mon-7/11/16	144,067	100	24.00	100	144,067
Tue-7/12/16	119,516	100	19.87	83	119,516
Wed-7/13/16	111,942	100	18.63	78	111,942
Thu-7/14/16	144,345	100	23.98	100	144,345
Fri-7/15/16	144,149	100	24.00	100	144,149
Sat-7/16/16	144,294	100	24.00	100	144,294
Sun-7/17/16	144,219	100	24.00	100	144,219
Mon-7/18/16	132,487	100	22.15	92	132,487
Tue-7/19/16	144,026	100	24.00	100	144,026
Wed-7/20/16	144,014	100	24.00	100	144,014
Thu-7/21/16	136,865	99	23.05	95	136,865
Fri-7/22/16	144,017	100	24.00	100	144,017
Sat-7/23/16	144,146	100	24.00	100	144,146
Sun-7/24/16	143,900	100	24.00	100	143,900
Mon-7/25/16	144,009	100	23.98	100	144,009
Tue-7/26/16	143,969	100	24.00	100	143,969
Wed-7/27/16	144,043	100	24.00	100	144,043
Thu-7/28/16	144,008	100	24.00	100	144,008
Fri-7/29/16	143,980	100	24.00	100	143,980
Sat-7/30/16	144,050	100	23.98	100	144,050
Sun-7/31/16	143,920	100	24.00	100	143,920
TOTALS	4,389,109	100	731.30	98	4,389,109

TOTAL VOLUME EXTRACTED :	4,389,109 GALLONS
DAYS IN MONTH :	31 DAYS
MONTHLY AVERAGE FLOW RATE :	98.32 GPM

07/12/16 - 07/13/16 - LB-4 was shut down due to a DTE Energy power failure caused by storms in the area.
 07/18/16 - LB-4 was shut down due to a DTE Energy power failure caused by storms in the area.

CORE AREA EXTRACTION DATA

Month of: Jul-16

Core Area Well Extraction													Daily	Daily
Date	TW-2 (Dolph)			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.		
Fri-7/1/16	21,943	15	24.00	-	-	-	-	-	-	57,879	40	24.00	55	79,822
Sat-7/2/16	21,922	15	24.00	-	-	-	-	-	-	57,742	40	24.00	55	79,664
Sun-7/3/16	21,971	15	24.00	-	-	-	-	-	-	57,536	40	24.00	55	79,507
Mon-7/4/16	22,006	15	24.00	-	-	-	-	-	-	57,331	40	24.00	55	79,337
Tue-7/5/16	22,018	15	24.00	-	-	-	-	-	-	57,242	40	24.00	55	79,260
Wed-7/6/16	22,010	15	24.00	-	-	-	-	-	-	57,486	40	24.00	55	79,496
Thu-7/7/16	21,984	15	24.00	-	-	-	-	-	-	57,611	40	24.00	55	79,595
Fri-7/8/16	21,959	15	24.00	-	-	-	-	-	-	57,786	40	24.00	55	79,745
Sat-7/9/16	21,477	15	24.00	5,117	75	1.13	-	-	-	57,693	40	24.00	59	84,287
Sun-7/10/16	21,099	15	24.00	-	-	-	-	-	-	57,807	40	24.00	55	78,906
Mon-7/11/16	21,090	15	24.00	-	-	-	-	-	-	58,081	40	24.00	55	79,171
Tue-7/12/16	21,077	15	24.00	-	-	-	2,909	28	1.72	57,632	40	24.00	57	81,618
Wed-7/13/16	21,034	15	24.00	-	-	-	-	-	-	57,378	40	24.00	54	78,412
Thu-7/14/16	21,005	15	24.00	-	-	-	-	-	-	57,218	40	24.00	54	78,223
Fri-7/15/16	21,008	15	24.00	-	-	-	-	-	-	57,781	40	24.00	55	78,789
Sat-7/16/16	21,036	15	24.00	-	-	-	-	-	-	57,752	40	24.00	55	78,788
Sun-7/17/16	21,134	15	24.00	24,297	75	5.42	-	-	-	57,685	40	24.00	72	103,116
Mon-7/18/16	20,907	15	24.00	107,711	75	24.00	-	-	-	57,711	40	24.00	129	186,329
Tue-7/19/16	21,249	15	24.00	8,013	75	1.78	-	-	-	57,752	40	24.00	60	87,014
Wed-7/20/16	21,185	15	24.00	-	-	-	-	-	-	57,715	40	24.00	55	78,900
Thu-7/21/16	21,175	15	24.00	-	-	-	-	-	-	57,696	40	24.00	55	78,872
Fri-7/22/16	21,160	15	24.00	-	-	-	-	-	-	57,681	40	24.00	55	78,842
Sat-7/23/16	21,145	15	24.00	-	-	-	-	-	-	57,603	40	24.00	55	78,749
Sun-7/24/16	21,117	15	24.00	-	-	-	-	-	-	57,816	40	24.00	55	78,934
Mon-7/25/16	21,100	15	24.00	-	-	-	-	-	-	58,166	40	24.00	55	79,267
Tue-7/26/16	21,106	15	24.00	-	-	-	-	-	-	58,187	40	24.00	55	79,294
Wed-7/27/16	21,122	15	24.00	-	-	-	-	-	-	58,069	40	24.00	55	79,192
Thu-7/28/16	21,137	15	24.00	-	-	-	-	-	-	57,746	40	24.00	55	78,884
Fri-7/29/16	21,134	15	24.00	-	-	-	-	-	-	57,574	40	24.00	55	78,709
Sat-7/30/16	21,148	15	24.00	-	-	-	-	-	-	57,495	40	24.00	55	78,644
Sun-7/31/16	21,175	15	24.00	-	-	-	-	-	-	57,464	40	24.00	55	78,640
TOTALS	661,633	15	744.00	145,138	75	32.33	2,909	28	1.72	1,788,315	40	744.00	58	2,598,006

TOTAL VOLUME EXTRACTED :	2,598,006 GALLONS
DAYS IN MONTH :	31 DAYS
MONTHLY AVERAGE FLOW RATE :	58.20 GPM

07/09/16 - TW-10 was turned on briefly to maintain the Pond level while TW-18 was down due to a DTE Energy power failure.
 07/12/16 - TW-14 was turned on briefly to maintain the Pond level while LB-4 was down due to a DTE Energy power failure caused by storms in the area.
 07/17/16 - 07/19/16 - TW-10 was turned on to maintain the Pond level while TW-18 and TW-21 were shut down due to a broken DTE Energy transformer.

MARSHY AREA EXTRACTION DATA

Month of: **Jul-16**

Marshy Well Extraction				Daily Flow	Daily Total
Date	PW-1 Gallons	GPM	Run Hrs.	GPM	Gallons
Fri-7/1/16	11	-	-	0	11
Sat-7/2/16	12	-	-	0	12
Sun-7/3/16	12	-	-	0	12
Mon-7/4/16	12	-	-	0	12
Tue-7/5/16	11	-	-	0	11
Wed-7/6/16	2,384	3	13.32	2	2,384
Thu-7/7/16	4,136	3	24.00	3	4,136
Fri-7/8/16	4,151	3	24.00	3	4,151
Sat-7/9/16	4,178	3	24.00	3	4,178
Sun-7/10/16	4,197	3	24.00	3	4,197
Mon-7/11/16	4,186	3	24.00	3	4,186
Tue-7/12/16	4,173	3	24.00	3	4,173
Wed-7/13/16	4,176	3	24.00	3	4,176
Thu-7/14/16	4,173	3	24.00	3	4,173
Fri-7/15/16	4,168	3	24.00	3	4,168
Sat-7/16/16	4,159	3	24.00	3	4,159
Sun-7/17/16	4,162	3	24.00	3	4,162
Mon-7/18/16	4,063	3	24.00	3	4,063
Tue-7/19/16	4,229	3	24.00	3	4,229
Wed-7/20/16	4,251	3	24.00	3	4,251
Thu-7/21/16	4,031	3	24.00	3	4,031
Fri-7/22/16	2,302	3	14.33	2	2,302
Sat-7/23/16	51	-	-	0	51
Sun-7/24/16	41	-	-	0	41
Mon-7/25/16	45	-	-	0	45
Tue-7/26/16	52	-	-	0	52
Wed-7/27/16	45	-	-	0	45
Thu-7/28/16	43	-	-	0	43
Fri-7/29/16	40	-	-	0	40
Sat-7/30/16	35	-	-	0	35
Sun-7/31/16	39	-	-	0	39
TOTALS	67,568	3	387.65	2	67,568

TOTAL VOLUME EXTRACTED :	67,568 GALLONS
DAYS IN MONTH :	31 DAYS
MONTHLY AVERAGE FLOW RATE :	1.51 GPM

Flow rate is too low to record accurate run time or GPM when <3.

SOUTHWEST AREA EXTRACTION DATA

Month of: **Jul-16**

South West Well Extraction				Daily Flow	Daily Total
Date	ACTIVE WELLS Gallons	GPM	Run Hrs.	GPM	Gallons
Fri-7/1/16	35,218	24	24.00	24	35,218
Sat-7/2/16	35,178	24	24.00	24	35,178
Sun-7/3/16	35,160	24	24.00	24	35,160
Mon-7/4/16	35,160	24	24.00	24	35,160
Tue-7/5/16	35,092	24	24.00	24	35,092
Wed-7/6/16	35,043	24	24.00	24	35,043
Thu-7/7/16	34,977	24	24.00	24	34,977
Fri-7/8/16	35,053	24	24.00	24	35,053
Sat-7/9/16	34,766	24	24.00	24	34,766
Sun-7/10/16	34,915	24	24.00	24	34,915
Mon-7/11/16	34,921	24	24.00	24	34,921
Tue-7/12/16	34,910	24	24.00	24	34,910
Wed-7/13/16	34,894	24	24.00	24	34,894
Thu-7/14/16	34,856	24	24.00	24	34,856
Fri-7/15/16	34,794	24	24.00	24	34,794
Sat-7/16/16	34,804	24	24.00	24	34,804
Sun-7/17/16	34,857	24	24.00	24	34,857
Mon-7/18/16	34,069	24	24.00	24	34,069
Tue-7/19/16	34,722	24	24.00	24	34,722
Wed-7/20/16	34,763	24	24.00	24	34,763
Thu-7/21/16	34,740	24	24.00	24	34,740
Fri-7/22/16	34,755	24	24.00	24	34,755
Sat-7/23/16	34,755	24	24.00	24	34,755
Sun-7/24/16	34,727	24	24.00	24	34,727
Mon-7/25/16	34,690	24	24.00	24	34,690
Tue-7/26/16	34,678	24	24.00	24	34,678
Wed-7/27/16	34,650	24	24.00	24	34,650
Thu-7/28/16	34,649	24	24.00	24	34,649
Fri-7/29/16	34,642	24	24.00	24	34,642
Sat-7/30/16	34,609	24	24.00	24	34,609
Sun-7/31/16	34,600	24	24.00	24	34,600
TOTALS	1,079,647	24	744.00	24	1,079,647

TOTAL VOLUME EXTRACTED :	1,079,647 GALLONS
DAYS IN MONTH :	31 DAYS
MONTHLY AVERAGE FLOW RATE :	24.19 GPM

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

TABLE #6

UNIT "E" EXTRACTION DATA

Month of: Jul-16

Date	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.		
Fri-7/1/16	45,526	32	24.00	-	-	-	219,477	152	24.00	101,894	71	24.00	255	366,897
Sat-7/2/16	45,559	32	24.00	-	-	-	219,500	152	24.00	101,867	71	24.00	255	366,926
Sun-7/3/16	45,560	32	24.00	-	-	-	219,527	152	24.00	101,860	71	24.00	255	366,947
Mon-7/4/16	45,544	32	24.00	-	-	-	219,492	152	24.00	101,879	71	24.00	255	366,915
Tue-7/5/16	45,496	32	24.00	-	-	-	219,586	152	24.00	101,909	71	24.00	255	366,991
Wed-7/6/16	45,527	32	24.00	-	-	-	219,538	152	24.00	101,880	71	24.00	255	366,945
Thu-7/7/16	45,553	32	24.00	-	-	-	219,586	152	24.00	101,855	71	24.00	255	366,994
Fri-7/8/16	45,504	32	24.00	22,790	75	5.07	161,763	153	17.67	101,896	71	24.00	231	331,953
Sat-7/9/16	45,490	32	24.00	43,044	75	9.57	134,906	152	14.77	101,918	71	24.00	226	325,358
Sun-7/10/16	45,567	32	24.00	-	-	-	219,431	152	24.00	101,842	71	24.00	255	366,840
Mon-7/11/16	45,580	32	24.00	-	-	-	219,451	152	24.00	101,824	71	24.00	255	366,855
Tue-7/12/16	45,566	32	24.00	12,152	75	2.70	219,484	152	24.00	101,842	71	24.00	263	379,044
Wed-7/13/16	45,542	32	24.00	31,415	75	6.98	219,470	152	24.00	101,864	71	24.00	277	398,291
Thu-7/14/16	45,541	32	24.00	-	-	-	219,455	152	24.00	101,863	71	24.00	255	366,859
Fri-7/15/16	45,538	32	24.00	-	-	-	219,414	152	24.00	101,861	71	24.00	255	366,813
Sat-7/16/16	45,698	32	24.00	-	-	-	219,410	152	24.00	101,705	71	24.00	255	366,813
Sun-7/17/16	45,795	32	24.00	23,465	75	5.22	135,690	152	14.83	101,609	71	24.00	213	306,559
Mon-7/18/16	41,545	31	22.10	108,059	75	24.00	-	-	-	93,776	71	22.10	169	243,380
Tue-7/19/16	45,739	32	24.00	8,459	75	1.88	204,102	152	22.33	101,684	71	24.00	250	359,984
Wed-7/20/16	45,325	31	24.00	-	-	-	219,397	152	24.00	102,086	71	24.00	255	366,808
Thu-7/21/16	42,103	30	23.10	-	-	-	220,419	153	24.00	98,658	71	23.10	251	361,180
Fri-7/22/16	43,989	31	24.00	-	-	-	231,109	160	24.00	103,391	72	24.00	263	378,489
Sat-7/23/16	43,411	30	24.00	-	-	-	234,080	163	24.00	103,959	72	24.00	265	381,450
Sun-7/24/16	42,863	30	24.00	-	-	-	234,021	163	24.00	104,505	73	24.00	265	381,389
Mon-7/25/16	42,072	29	24.00	-	-	-	232,972	162	24.00	105,291	73	24.00	264	380,335
Tue-7/26/16	41,306	29	24.00	-	-	-	225,857	157	24.00	106,053	74	24.00	259	373,216
Wed-7/27/16	40,743	28	24.00	-	-	-	219,516	152	24.00	106,606	74	24.00	255	366,865
Thu-7/28/16	40,713	28	24.00	-	-	-	219,465	152	24.00	106,630	74	24.00	255	366,808
Fri-7/29/16	40,680	28	24.00	-	-	-	222,217	154	24.00	106,660	74	24.00	257	369,557
Sat-7/30/16	40,673	28	24.00	-	-	-	226,637	157	24.00	106,672	74	24.00	260	373,982
Sun-7/31/16	40,678	28	24.00	-	-	-	222,185	154	24.00	106,664	74	24.00	257	369,527
TOTALS	1,366,426	31	741.20	249,384	75	55.42	6,417,157	154	693.60	3,184,003	72	741.20	251	11,216,970

TOTAL VOLUME EXTRACTED :	11,216,970 GALLONS
DAYS IN MONTH :	31 DAYS
MONTHLY AVERAGE FLOW RATE :	251.28 GPM

07/08/19 - 07/09/16 - TW-17 was turned on briefly to maintain the Pond level while TW-18 was down due to a DTE Energy power failure.
 07/12/19 - 07/13/16 - TW-17 was turned on briefly to maintain the Pond level while LB-4 was down due to a DTE Energy power failure caused by storms in the area.
 07/17/19 - 07/19/16 - TW-17 was turned on to maintain the Pond level while TW-18 and TW-21 were down due to a broken DTE Energy transformer.
 07/18/16 - TW-16 & TW-19 were down briefly due to a DTE Energy power failure.

TABLE #7

Little Lake Area System

MW-53i	
Date	1,4-Dioxane ug/L
04/01/16	51
05/02/16	61
06/02/16	56
07/26/16	58

A2 Cleaning Supply Well	
Date	1,4-Dioxane ug/L
04/05/16	57
05/02/16	54
06/02/16	76
07/26/16	62

TABLE #8

INDIVIDUAL PURGE WELL CONCENTRATIONS

SAMPLE ID	Date Sampled	1,4-DIOXANE (ppb)
DOLPH-07-06-16-10:35-1	07/06/16	93
TW-10-07-18-16-12:15-1	07/18/16	320
TW-20-07-06-16-10:40-1	07/06/16	910
LB-4-07-06-16-10:00-1	07/06/16	490
TW-21-07-06-16-10:09-1	07/06/16	140
TW-9-07-18-16-12:15-1	07/18/16	640
TW-16-07-06-16-09:45-1	07/06/16	810
TW-17-07-18-16-12:15-1	07/18/16	130
TW-18-07-06-16-10:31-1	07/06/16	300
TW-19-07-06-16-09:47-1	07/06/16	680
PW-1-07-06-16-11:48-1	07/06/16	780
TW-22-07-06-16-10:19-1	07/06/16	500
TW-8-07-06-16-10:21-1	07/06/16	770

RED POND DATA

Month of: Jul-16

Date	Time	Notes	Red Pond				
			Pond	Level	Aeration	Influent	Influent
			Visual Chk	Feet	Hours	Hours	GPM
Fri-7/1/16	3:05		Y	5.2	-	24.00	490
Sat-7/2/16	3:00	(1)		5.2	-	24.00	490
Sun-7/3/16	3:00	(1)		5.2	-	24.00	490
Mon-7/4/16	3:00		Y	5.1	-	24.00	490
Tue-7/5/16	3:00		Y	5.2	-	24.00	490
Wed-7/6/16	3:00		Y	5.1	-	24.00	491
Thu-7/7/16	3:00		Y	5.1	-	24.00	493
Fri-7/8/16	3:00		Y	5.2	-	24.00	481
Sat-7/9/16	3:00	(1)		5.1	-	24.00	492
Sun-7/10/16	3:00	(1)		5.1	-	24.00	492
Mon-7/11/16	3:00		Y	5.1	-	24.00	492
Tue-7/12/16	3:00		Y	5.1	-	24.00	485
Wed-7/13/16	3:00		Y	5.0	-	24.00	491
Thu-7/14/16	3:00		Y	5.0	-	24.00	492
Fri-7/15/16	3:00		Y	5.1	-	24.00	492
Sat-7/16/16	3:00	(1)		5.1	-	24.00	492
Sun-7/17/16	3:00	(1)		5.1	-	24.00	453
Mon-7/18/16	3:00		Y	4.9	-	24.00	494
Tue-7/19/16	3:00		Y	4.5	-	24.00	495
Wed-7/20/16	3:00		Y	4.5	-	24.00	492
Thu-7/21/16	3:00		Y	4.5	-	24.00	483
Fri-7/22/16	3:00		Y	4.5	-	24.00	500
Sat-7/23/16	3:00	(1)		4.6	-	24.00	499
Sun-7/24/16	3:00	(1)		4.7	-	24.00	499
Mon-7/25/16	3:00		Y	4.8	-	24.00	498
Tue-7/26/16	3:00		Y	4.9	-	24.00	493
Wed-7/27/16	3:00		Y	4.9	-	24.00	489
Thu-7/28/16	3:00		Y	4.9	-	24.00	489
Fri-7/29/16	3:00		Y	4.9	-	24.00	491
Sat-7/30/16	3:00	(1)		4.9	-	24.00	494
Sun-7/31/16	3:00	(1)		5.0	-	24.00	490
TOTALS			-	-	-	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-07-05-16-07:30-1	7/5/2016	460
Red Pond-07-11-16-09:30-1	7/11/2016	440
Red Pond-07-18-16-10:20-1	7/18/2016	420
Red Pond-07-25-16-09:05-1	7/25/2016	440

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

OZONE OPERATION REPORT

Month of: **Jul-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
Fri-7/1/16	3:07 AM		240	24.00	0	0.00	240	24.00	0	0.00
Sat-7/2/16	3:00 AM	(1)	240	24.00	0	0.00	239	24.00	0	0.00
Sun-7/3/16	3:00 AM	(1)	240	24.00	0	0.00	240	24.00	0	0.00
Mon-7/4/16	3:00 AM		240	23.85	0	0.00	240	23.87	0	0.00
Tue-7/5/16	3:00 AM		240	24.00	0	0.00	240	24.00	0	0.00
Wed-7/6/16	3:00 AM		240	24.00	0	0.00	240	24.00	0	0.00
Thu-7/7/16	3:00 AM		240	24.00	0	0.00	240	24.00	0	0.00
Fri-7/8/16	3:00 AM		240	23.52	0	0.00	241	24.00	0	0.00
Sat-7/9/16	3:00 AM	(1)	239	24.00	0	0.00	240	24.00	0	0.00
Sun-7/10/16	3:00 AM	(1)	240	24.00	0	0.00	240	24.00	0	0.00
Mon-7/11/16	3:00 AM		240	24.00	0	0.00	241	24.00	0	0.00
Tue-7/12/16	3:00 AM		240	24.00	0	0.00	240	24.00	0	0.00
Wed-7/13/16	3:00 AM		240	24.00	0	0.00	240	24.00	0	0.00
Thu-7/14/16	3:00 AM		239	24.00	0	0.00	240	23.68	0	0.00
Fri-7/15/16	3:00 AM		240	24.00	0	0.00	240	23.55	0	0.00
Sat-7/16/16	3:00 AM	(1)	240	24.00	0	0.00	240	24.00	0	0.00
Sun-7/17/16	3:00 AM	(1)	240	23.05	0	0.00	239	23.05	0	0.00
Mon-7/18/16	3:00 AM		240	24.00	0	0.00	241	24.00	0	0.00
Tue-7/19/16	3:00 AM		240	24.00	0	0.00	240	24.00	0	0.00
Wed-7/20/16	3:00 AM		240	24.00	0	0.00	240	24.00	0	0.00
Thu-7/21/16	3:00 AM		240	23.83	0	0.00	240	23.85	0	0.00
Fri-7/22/16	3:00 AM		239	24.00	0	0.00	241	24.00	0	0.00
Sat-7/23/16	3:00 AM	(1)	239	24.00	0	0.00	240	24.00	0	0.00
Sun-7/24/16	3:00 AM	(1)	240	24.00	0	0.00	240	24.00	0	0.00
Mon-7/25/16	3:00 AM		240	24.00	0	0.00	240	24.00	0	0.00
Tue-7/26/16	3:00 AM		239	24.00	0	0.00	240	24.00	0	0.00
Wed-7/27/16	3:00 AM		240	24.00	0	0.00	240	24.00	0	0.00
Thu-7/28/16	3:00 AM		240	24.00	0	0.00	240	24.00	0	0.00
Fri-7/29/16	3:00 AM		240	24.00	0	0.00	240	24.00	0	0.00
Sat-7/30/16	3:00 AM	(1)	240	24.00	0	0.00	239	24.00	0	0.00
Sun-7/31/16	3:00 AM	(1)	239	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.

TABLE #12

GREEN POND / DISCHARGE DATA

Month of: Jul-16

Date	Time	Notes	Green Pond																										
			Pond			Level			Aeration			Influent			Influent			Pond Discharge			Bypass Discharge			Recirc Thru UV to Pond			Recirc Thru UV to Disch		
			Visual	Chk		Feet		Hours	Hours	GPM	GPM	Gallons	Hours	GPM	Gallons	Hours	GPM	Gallons	Hours	GPM	Gallons	Hours	GPM	Gallons	Hours				
Fri-7/1/16	3:05 AM		Y	-	-	-	-	-	-	-	-	-	-	-	500	719,858	24.00	-	-	-	-	-	-	-					
Sat-7/2/16	3:00 AM	(1)		-	-	-	-	-	-	-	-	-	-	-	500	719,522	24.00	-	-	-	-	-	-	-					
Sun-7/3/16	3:00 AM	(1)		-	-	-	-	-	-	-	-	-	-	-	500	719,670	24.00	-	-	-	-	-	-	-					
Mon-7/4/16	3:00 AM		Y	-	-	-	-	-	-	-	-	-	-	-	496	714,693	24.00	-	-	-	-	-	-	-					
Tue-7/5/16	3:00 AM		Y	-	-	-	-	-	-	-	-	-	-	-	500	720,123	24.00	-	-	-	-	-	-	-					
Wed-7/6/16	3:00 AM		Y	-	-	-	-	-	-	-	-	-	-	-	500	720,219	24.00	-	-	-	-	-	-	-					
Thu-7/7/16	3:00 AM		Y	-	-	-	-	-	-	-	-	-	-	-	500	720,171	24.00	-	-	-	-	-	-	-					
Fri-7/8/16	3:00 AM		Y	-	-	-	-	-	-	-	-	-	-	-	495	712,160	24.00	-	-	-	-	-	-	-					
Sat-7/9/16	3:00 AM	(1)		-	-	-	-	-	-	-	-	-	-	-	500	720,174	24.00	-	-	-	-	-	-	-					
Sun-7/10/16	3:00 AM	(1)		-	-	-	-	-	-	-	-	-	-	-	500	720,141	24.00	-	-	-	-	-	-	-					
Mon-7/11/16	3:00 AM		Y	-	-	-	-	-	-	-	-	-	-	-	500	720,207	24.00	-	-	-	-	-	-	-					
Tue-7/12/16	3:00 AM		Y	-	-	-	-	-	-	-	-	-	-	-	500	720,473	24.00	-	-	-	-	-	-	-					
Wed-7/13/16	3:00 AM		Y	-	-	-	-	-	-	-	-	-	-	-	500	720,688	24.00	-	-	-	-	-	-	-					
Thu-7/14/16	3:00 AM		Y	-	-	-	-	-	-	-	-	-	-	-	497	715,235	24.00	-	-	-	-	-	-	-					
Fri-7/15/16	3:00 AM		Y	-	-	-	-	-	-	-	-	-	-	-	495	712,640	24.00	-	-	-	-	-	-	-					
Sat-7/16/16	3:00 AM	(1)		-	-	-	-	-	-	-	-	-	-	-	500	720,110	24.00	-	-	-	-	-	-	-					
Sun-7/17/16	3:00 AM	(1)		-	-	-	-	-	-	-	-	-	-	-	498	688,774	23.03	-	-	-	-	-	-	-					
Mon-7/18/16	3:00 AM		Y	-	-	-	-	-	-	-	-	-	-	-	497	715,944	24.00	-	-	-	-	-	-	-					
Tue-7/19/16	3:00 AM		Y	-	-	-	-	-	-	-	-	-	-	-	499	718,991	24.00	-	-	-	-	-	-	-					
Wed-7/20/16	3:00 AM		Y	-	-	-	-	-	-	-	-	-	-	-	499	719,096	24.00	-	-	-	-	-	-	-					
Thu-7/21/16	3:00 AM		Y	-	-	-	-	-	-	-	-	-	-	-	499	713,114	23.80	-	-	-	-	-	-	-					
Fri-7/22/16	3:00 AM		Y	-	-	-	-	-	-	-	-	-	-	-	499	719,201	24.00	-	-	-	-	-	-	-					
Sat-7/23/16	3:00 AM	(1)		-	-	-	-	-	-	-	-	-	-	-	499	719,179	24.00	-	-	-	-	-	-	-					
Sun-7/24/16	3:00 AM	(1)		-	-	-	-	-	-	-	-	-	-	-	499	719,109	24.00	-	-	-	-	-	-	-					
Mon-7/25/16	3:00 AM		Y	-	-	-	-	-	-	-	-	-	-	-	499	719,204	24.00	-	-	-	-	-	-	-					
Tue-7/26/16	3:00 AM		Y	-	-	-	-	-	-	-	-	-	-	-	499	719,201	24.00	-	-	-	-	-	-	-					
Wed-7/27/16	3:00 AM		Y	-	-	-	-	-	-	-	-	-	-	-	499	719,258	24.00	-	-	-	-	-	-	-					
Thu-7/28/16	3:00 AM		Y	-	-	-	-	-	-	-	-	-	-	-	499	719,196	24.00	-	-	-	-	-	-	-					
Fri-7/29/16	3:00 AM		Y	-	-	-	-	-	-	-	-	-	-	-	499	719,095	24.00	-	-	-	-	-	-	-					
Sat-7/30/16	3:00 AM	(1)		-	-	-	-	-	-	-	-	-	-	-	499	719,049	24.00	-	-	-	-	-	-	-					
Sun-7/31/16	3:00 AM	(1)		-	-	-	-	-	-	-	-	-	-	-	499	719,123	24.00	-	-	-	-	-	-	-					
TOTALS																22,243,618	743												

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
7/1/2016	0.720	*G	*G			<100	no	no	6.6	6.6		40
7/2/2016	0.720											
7/3/2016	0.720			4.8							6.8	
7/4/2016	0.715			4.8			no	no			5.6	
7/5/2016	0.720			4.7	0.460	<100	no	no	6.6	6.6	5.1	40
7/6/2016	0.720			5.1		<100	yes	yes	6.7	6.7	5.0	30
7/7/2016	0.720			5.4		<100	no	no	6.7	6.7	<5	35
7/8/2016	0.712					<100	no	yes	6.7	6.7		35
7/9/2016	0.720											
7/10/2016	0.720			5.1							5.2	
7/11/2016	0.720			5.2	0.440	<100	no	no	6.7	6.7	6.2	60
7/12/2016	0.720			5.8		<100	no	no	6.6	6.6	6.4	45
7/13/2016	0.721			5.5		<100	yes	yes	6.6	6.6	5.5	40
7/14/2016	0.715			5.6		<100	no	no	6.6	6.6	5.5	45
7/15/2016	0.713					<100	no	yes	6.8	6.8		40
7/16/2016	0.720											
7/17/2016	0.689			5.1							5.5	
7/18/2016	0.716			6.1	0.420	<100	no	no	6.7	6.7	5.6	40
7/19/2016	0.719			5.8		<100	no	no	6.6	6.6	6.1	45
7/20/2016	0.719			5.6		<100	yes	yes	6.7	6.7	5.7	40
7/21/2016	0.713			6.0		<100	no	no	6.6	6.6	5.1	40
7/22/2016	0.719					<100	no	yes	6.8	6.8		40
7/23/2016	0.719											
7/24/2016	0.719			4.8							5.4	
7/25/2016	0.719			5.0	0.440	<100	no	no	6.6	6.6	<5	35
7/26/2016	0.719			5.1		<100	no	no	6.7	6.7	5.6	35
7/27/2016	0.719			5.4		<100	yes	yes	6.8	6.8	<5	40
7/28/2016	0.719			5.4		<100	no	no	6.6	6.6	5.6	45
7/29/2016	0.719					<100	no	yes	6.6	6.6		45
7/30/2016	0.719											
7/31/2016	0.719			4.6							<5	
Total Volume Discharged (mg)	22.244											
Monthly Avg				5.3							4.6	

*G - Barium: Sampled on a quarterly basis
July 4th - Holiday