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UNIT D2 UPGRADIENT EXTRACTION DATA

Month of: Oct-12

Date	TW-9			TW-5			TW-21			Daily Flow	Daily Total
	TW-9 Gallons	GPM	Run Hrs.	TW-5 Gallons	GPM	Run Hrs.	TW-21 Gallons	GPM	Run Hrs.	GPM	Gallons
	Mon-10/1/12	36,114	25	24.00	74,053	51	24.00	79,289	55	24.00	132
Tue-10/2/12	36,323	25	24.00	74,068	51	24.00	79,302	55	24.00	132	189,693
Wed-10/3/12	36,230	25	24.00	74,215	52	24.00	102,762	71	24.00	148	213,207
Thu-10/4/12	36,202	25	24.00	74,121	51	24.00	115,358	80	24.00	157	225,681
Fri-10/5/12	35,938	25	24.00	74,195	52	24.00	96,443	67	24.00	143	206,576
Sat-10/6/12	35,881	25	24.00	74,176	52	24.00	79,184	55	24.00	131	189,241
Sun-10/7/12	35,867	25	24.00	74,184	52	24.00	79,165	55	24.00	131	189,216
Mon-10/8/12	35,887	25	24.00	74,199	52	24.00	79,198	55	24.00	131	189,284
Tue-10/9/12	35,871	25	24.00	74,172	52	24.00	79,211	55	24.00	131	189,254
Wed-10/10/12	35,934	25	24.00	74,253	52	24.00	79,195	55	24.00	132	189,382
Thu-10/11/12	35,967	25	24.00	74,270	52	24.00	79,201	55	24.00	132	189,438
Fri-10/12/12	35,955	25	24.00	74,312	52	24.00	79,212	55	24.00	132	189,479
Sat-10/13/12	35,907	25	24.00	74,328	52	24.00	79,185	55	24.00	132	189,420
Sun-10/14/12	35,932	25	24.00	74,286	52	24.00	79,282	55	24.00	132	189,500
Mon-10/15/12	35,880	25	24.00	74,217	52	24.00	79,201	55	24.00	131	189,298
Tue-10/16/12	35,868	25	24.00	74,237	52	24.00	82,392	57	24.00	134	192,497
Wed-10/17/12	35,869	25	24.00	74,259	52	24.00	79,735	55	24.00	132	189,863
Thu-10/18/12	22,201	25	14.90	48,375	52	15.63	44,448	50	14.82	80	115,024
Fri-10/19/12	26,523	25	17.90	50,219	53	15.78	71,421	66	18.10	103	148,163
Sat-10/20/12	35,536	25	24.00	76,210	53	24.00	108,015	75	24.00	153	219,761
Sun-10/21/12	35,609	25	24.00	76,153	53	24.00	112,695	78	24.00	156	224,457
Mon-10/22/12	35,726	25	24.00	76,157	53	24.00	115,292	80	24.00	158	227,175
Tue-10/23/12	35,780	25	24.00	76,078	53	24.00	99,551	69	24.00	147	211,409
Wed-10/24/12	35,870	25	24.00	75,930	53	24.00	76,395	53	24.00	131	188,195
Thu-10/25/12	35,854	25	24.00	75,982	53	24.00	72,130	50	24.00	128	183,966
Fri-10/26/12	35,799	25	24.00	75,907	53	24.00	71,983	50	24.00	128	183,689
Sat-10/27/12	35,746	25	24.00	76,067	53	24.00	79,013	55	24.00	133	190,826
Sun-10/28/12	35,780	25	24.00	76,022	53	24.00	80,048	56	24.00	133	191,850
Mon-10/29/12	35,835	25	24.00	76,088	53	24.00	104,601	73	24.00	150	216,524
Tue-10/30/12	35,869	25	24.00	76,079	53	24.00	115,380	80	24.00	158	227,328
Wed-10/31/12	35,883	25	24.00	75,990	53	24.00	71,611	50	23.92	127	183,484
<b>TOTALS</b>	<b>1,089,636</b>	<b>25</b>	<b>728.80</b>	<b>2,272,802</b>	<b>52</b>	<b>727.42</b>	<b>2,649,898</b>	<b>61</b>	<b>728.84</b>	<b>135</b>	<b>6,012,336</b>

TOTAL VOLUME EXTRACTED :	6,012,336 GALLONS
DAYS IN MONTH :	31 DAYS
MONTHLY AVERAGE FLOW RATE :	134.68 GPM

10/18/12-10/19/12 - Extraction was shut down due to DTE power failures.

**UNIT D2 DOWNGRADIENT EXTRACTION DATA**

Month of: **Oct-12**

Date	LB-1			LB-3			Daily	Daily
	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.	Flow GPM	Total Gallons
Mon-10/1/12	86,095	60	24.00	57,442	40	24.00	100	143,537
Tue-10/2/12	86,101	60	24.00	57,532	40	23.98	100	143,633
Wed-10/3/12	86,100	60	23.98	57,746	40	24.00	100	143,846
Thu-10/4/12	86,104	60	24.00	57,678	40	24.00	100	143,782
Fri-10/5/12	86,113	60	24.00	57,599	40	24.00	100	143,712
Sat-10/6/12	86,009	60	24.00	57,395	40	24.00	100	143,404
Sun-10/7/12	85,863	60	24.00	57,536	40	24.00	100	143,399
Mon-10/8/12	85,897	60	24.00	57,536	40	24.00	100	143,433
Tue-10/9/12	85,793	60	24.00	57,633	40	23.98	100	143,426
Wed-10/10/12	85,870	60	23.98	57,641	40	24.00	100	143,511
Thu-10/11/12	85,759	60	24.00	57,596	40	24.00	100	143,355
Fri-10/12/12	85,656	59	24.00	57,696	40	24.00	100	143,352
Sat-10/13/12	85,803	60	24.00	57,834	40	24.00	100	143,637
Sun-10/14/12	86,049	60	24.00	57,791	40	24.00	100	143,840
Mon-10/15/12	85,987	60	24.00	57,565	40	24.00	100	143,552
Tue-10/16/12	85,925	60	24.00	57,674	40	23.98	100	143,599
Wed-10/17/12	85,972	60	23.98	57,740	40	24.00	100	143,712
Thu-10/18/12	58,842	60	16.45	39,534	40	16.45	68	98,376
Fri-10/19/12	57,466	60	16.05	38,439	40	16.05	67	95,905
Sat-10/20/12	85,922	60	23.98	57,479	40	23.98	100	143,401
Sun-10/21/12	85,728	60	24.00	57,612	40	24.00	100	143,340
Mon-10/22/12	85,833	60	24.00	57,712	40	24.00	100	143,545
Tue-10/23/12	85,900	60	24.00	57,855	40	24.00	100	143,755
Wed-10/24/12	85,850	60	24.00	57,757	40	24.00	100	143,607
Thu-10/25/12	85,926	60	24.00	57,831	40	24.00	100	143,757
Fri-10/26/12	85,647	59	24.00	57,600	40	24.00	99	143,247
Sat-10/27/12	85,710	60	23.98	56,462	40	23.55	99	142,172
Sun-10/28/12	85,826	60	24.00	57,601	40	24.00	100	143,427
Mon-10/29/12	67,167	60	18.66	44,979	40	18.66	78	112,146
Tue-10/30/12	67,815	60	18.80	45,412	40	18.80	79	113,227
Wed-10/31/12	85,937	60	24.00	57,583	40	24.00	100	143,520
<b>TOTALS</b>	<b>2,570,665</b>	<b>60</b>	<b>717.86</b>	<b>1,723,490</b>	<b>40</b>	<b>717.43</b>	<b>96</b>	<b>4,294,155</b>

<b>TOTAL VOLUME EXTRACTED :</b>	<b>4,294,155 GALLONS</b>
<b>DAYS IN MONTH :</b>	<b>31 DAYS</b>
<b>MONTHLY AVERAGE FLOW RATE :</b>	<b>96.20 GPM</b>

10/18/12-10/19/12 - Extraction was shut down due to DTE power failures.

10/29/12-10/30/12 - Evergreen extraction was shut down due to multiple DTE power failures (Hurricane Sandy).

**CORE AREA EXTRACTION DATA**

Month of: **Oct-12**

Core Area Well Extraction							Daily	Daily
Date	FW-2 (Dolph)			TW-20			Flow	Total
	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.	GPM	Gallons
Mon-10/1/12	19,357	13	24.00	73,558	51	24.00	65	92,915
Tue-10/2/12	19,397	13	24.00	72,947	51	24.00	64	92,344
Wed-10/3/12	19,420	13	24.00	72,126	50	24.00	64	91,546
Thu-10/4/12	19,439	13	24.00	72,141	50	24.00	64	91,580
Fri-10/5/12	19,453	14	24.00	72,103	50	24.00	64	91,556
Sat-10/6/12	19,435	13	24.00	72,072	50	24.00	64	91,507
Sun-10/7/12	19,445	14	24.00	72,075	50	24.00	64	91,520
Mon-10/8/12	19,442	14	24.00	72,083	50	24.00	64	91,525
Tue-10/9/12	19,463	14	24.00	72,099	50	24.00	64	91,562
Wed-10/10/12	19,438	13	24.00	72,098	50	24.00	64	91,536
Thu-10/11/12	19,439	13	24.00	72,088	50	24.00	64	91,527
Fri-10/12/12	19,447	14	24.00	72,093	50	24.00	64	91,540
Sat-10/13/12	19,487	14	24.00	72,088	50	24.00	64	91,575
Sun-10/14/12	19,479	14	24.00	72,109	50	24.00	64	91,588
Mon-10/15/12	19,397	13	24.00	72,099	50	24.00	64	91,496
Tue-10/16/12	19,373	13	24.00	72,102	50	24.00	64	91,475
Wed-10/17/12	19,359	13	24.00	72,116	50	24.00	64	91,475
Thu-10/18/12	13,002	13	16.12	47,054	50	15.65	42	60,056
Fri-10/19/12	12,339	14	14.98	51,582	50	17.20	44	63,921
Sat-10/20/12	19,758	14	24.00	72,103	50	24.00	64	91,861
Sun-10/21/12	19,786	14	24.00	72,091	50	24.00	64	91,877
Mon-10/22/12	19,827	14	24.00	72,125	50	24.00	64	91,952
Tue-10/23/12	19,834	14	24.00	72,105	50	24.00	64	91,939
Wed-10/24/12	19,829	14	24.00	72,111	50	24.00	64	91,940
Thu-10/25/12	19,839	14	24.00	72,145	50	24.00	64	91,984
Fri-10/26/12	19,810	14	24.00	72,125	50	24.00	64	91,935
Sat-10/27/12	19,841	14	24.00	72,121	50	24.00	64	91,962
Sun-10/28/12	19,851	14	24.00	72,070	50	24.00	64	91,921
Mon-10/29/12	17,123	14	20.62	72,085	50	24.00	62	89,208
Tue-10/30/12	12,411	14	14.83	72,064	50	24.00	59	84,475
Wed-10/31/12	21,559	15	24.00	72,102	50	24.00	65	93,661
<b>TOTALS</b>	<b>585,079</b>	<b>14</b>	<b>714.55</b>	<b>2,191,880</b>	<b>50</b>	<b>728.85</b>	<b>62</b>	<b>2,776,959</b>

<b>TOTAL VOLUME EXTRACTED :</b>	<b>2,776,959 GALLONS</b>
<b>DAYS IN MONTH :</b>	<b>31 DAYS</b>
<b>MONTHLY AVERAGE FLOW RATE :</b>	<b>62.21 GPM</b>

10/18/12-10/19/12 - Extraction was shut down due to DTE power failures.

**MARSHY AREA EXTRACTION DATA**

Month of: **Oct-12**

Marshy Well Extraction				Daily Flow	Daily Total
Date	PW-1 Gallons	GPM	Run Hrs.	GPM	Gallons
Mon-10/1/12	222	3	1.25	0	222
Tue-10/2/12	-	-	-	-	-
Wed-10/3/12	-	-	-	-	-
Thu-10/4/12	-	-	-	-	-
Fri-10/5/12	-	-	-	-	-
Sat-10/6/12	-	-	-	-	-
Sun-10/7/12	-	-	-	-	-
Mon-10/8/12	-	-	-	-	-
Tue-10/9/12	-	-	-	-	-
Wed-10/10/12	-	-	-	-	-
Thu-10/11/12	-	-	-	-	-
Fri-10/12/12	-	-	-	-	-
Sat-10/13/12	-	-	-	-	-
Sun-10/14/12	-	-	-	-	-
Mon-10/15/12	-	-	-	-	-
Tue-10/16/12	-	-	-	-	-
Wed-10/17/12	-	-	-	-	-
Thu-10/18/12	-	-	-	-	-
Fri-10/19/12	-	-	-	-	-
Sat-10/20/12	-	-	-	-	-
Sun-10/21/12	-	-	-	-	-
Mon-10/22/12	-	-	-	-	-
Tue-10/23/12	-	-	-	-	-
Wed-10/24/12	-	-	-	-	-
Thu-10/25/12	-	-	-	-	-
Fri-10/26/12	-	-	-	-	-
Sat-10/27/12	-	-	-	-	-
Sun-10/28/12	-	-	-	-	-
Mon-10/29/12	-	-	-	-	-
Tue-10/30/12	-	-	-	-	-
Wed-10/31/12	-	-	-	-	-
<b>TOTALS</b>	<b>222</b>	<b>3</b>	<b>1.25</b>	<b>0</b>	<b>222</b>

<b>TOTAL VOLUME EXTRACTED :</b>	<b>222 GALLONS</b>
<b>DAYS IN MONTH :</b>	<b>31 DAYS</b>
<b>MONTHLY AVERAGE FLOW RATE :</b>	<b>0.00 GPM</b>

Marshy extraction was down most of the month due to low water levels.

**SOUTHWEST AREA EXTRACTION DATA**

Month of: **Oct-12**

Date	ACTIVE WELLS			Daily Flow	Daily Total
	Gallons	GPM	Run Hrs.	GPM	Gallons
Mon-10/1/12	43,701	30	24.00	30	43,701
Tue-10/2/12	43,659	30	24.00	30	43,659
Wed-10/3/12	43,509	30	24.00	30	43,509
Thu-10/4/12	43,392	30	24.00	30	43,392
Fri-10/5/12	43,210	30	24.00	30	43,210
Sat-10/6/12	42,956	30	24.00	30	42,956
Sun-10/7/12	42,727	30	24.00	30	42,727
Mon-10/8/12	42,629	30	24.00	30	42,629
Tue-10/9/12	42,667	30	24.00	30	42,667
Wed-10/10/12	42,389	29	24.00	29	42,389
Thu-10/11/12	42,169	29	24.00	29	42,169
Fri-10/12/12	41,963	29	24.00	29	41,963
Sat-10/13/12	42,422	29	24.00	29	42,422
Sun-10/14/12	42,869	30	24.00	30	42,869
Mon-10/15/12	42,302	29	24.00	29	42,302
Tue-10/16/12	42,107	29	24.00	29	42,107
Wed-10/17/12	42,022	29	24.00	29	42,022
Thu-10/18/12	27,353	29	15.68	19	27,353
Fri-10/19/12	32,447	32	17.15	23	32,447
Sat-10/20/12	42,741	30	24.00	30	42,741
Sun-10/21/12	41,994	29	24.00	29	41,994
Mon-10/22/12	42,028	29	24.00	29	42,028
Tue-10/23/12	42,080	29	24.00	29	42,080
Wed-10/24/12	41,973	29	24.00	29	41,973
Thu-10/25/12	41,993	29	24.00	29	41,993
Fri-10/26/12	41,611	29	24.00	29	41,611
Sat-10/27/12	41,654	29	24.00	29	41,654
Sun-10/28/12	41,675	29	24.00	29	41,675
Mon-10/29/12	41,796	29	24.00	29	41,796
Tue-10/30/12	42,013	29	24.00	29	42,013
Wed-10/31/12	41,594	29	24.00	29	41,594
<b>TOTALS</b>	<b>1,289,645</b>	<b>30</b>	<b>728.83</b>	<b>29</b>	<b>1,289,645</b>

<b>TOTAL VOLUME EXTRACTED :</b>	<b>1,289,645 GALLONS</b>
<b>DAYS IN MONTH :</b>	<b>31 DAYS</b>
<b>MONTHLY AVERAGE FLOW RATE :</b>	<b>28.89 GPM</b>

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

10/18/12-10/19/12 - Extraction was shut down due to DTE power failures.

UNIT "E" EXTRACTION DATA

Month of: Oct-12

Date	TW-18			TW-19			Daily	Daily
	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.	Flow GPM	Total Gallons
Mon-10/1/12	219,119	152	24.00	72,124	50	24.00	202	291,243
Tue-10/2/12	219,115	152	24.00	72,111	50	24.00	202	291,226
Wed-10/3/12	241,576	168	24.00	29,234	50	9.70	188	270,810
Thu-10/4/12	255,577	177	24.00	-	-	-	177	255,577
Fri-10/5/12	237,587	165	23.97	35,349	50	11.80	190	272,936
Sat-10/6/12	219,101	152	24.00	72,078	50	24.00	202	291,179
Sun-10/7/12	219,110	152	24.00	72,093	50	24.00	202	291,203
Mon-10/8/12	219,109	152	24.00	72,087	50	24.00	202	291,196
Tue-10/9/12	224,250	156	24.00	72,087	50	24.00	206	296,337
Wed-10/10/12	226,365	157	24.00	72,090	50	24.00	207	298,455
Thu-10/11/12	226,369	157	24.00	72,099	50	24.00	207	298,468
Fri-10/12/12	226,361	157	24.00	72,099	50	24.00	207	298,460
Sat-10/13/12	226,360	157	24.00	72,084	50	24.00	207	298,444
Sun-10/14/12	226,366	157	24.00	72,079	50	24.00	207	298,445
Mon-10/15/12	226,369	157	24.00	72,089	50	24.00	207	298,458
Tue-10/16/12	226,377	157	24.00	72,085	50	24.00	207	298,462
Wed-10/17/12	226,370	157	24.00	72,083	50	24.00	207	298,453
Thu-10/18/12	145,107	154	15.67	49,401	50	16.40	135	194,508
Fri-10/19/12	173,287	168	17.22	-	-	-	120	173,287
Sat-10/20/12	255,509	177	24.00	-	-	-	177	255,509
Sun-10/21/12	259,959	181	24.00	-	-	-	181	259,959
Mon-10/22/12	262,828	183	24.00	-	-	-	183	262,828
Tue-10/23/12	248,102	172	24.00	34,999	50	11.60	197	283,101
Wed-10/24/12	226,382	157	24.00	72,073	50	24.00	207	298,455
Thu-10/25/12	221,141	154	24.00	72,076	50	24.00	204	293,217
Fri-10/26/12	219,076	152	24.00	72,082	50	24.00	202	291,158
Sat-10/27/12	221,371	154	24.00	72,082	50	24.00	204	293,453
Sun-10/28/12	219,716	153	24.00	72,072	50	24.00	203	291,788
Mon-10/29/12	234,445	163	24.00	56,081	50	18.66	202	290,526
Tue-10/30/12	246,715	171	24.00	56,622	50	18.80	211	303,337
Wed-10/31/12	225,437	157	23.92	71,759	50	23.90	206	297,196
<b>TOTALS</b>	<b>7,024,556</b>	<b>161</b>	<b>728.77</b>	<b>1,703,118</b>	<b>50</b>	<b>566.86</b>	<b>196</b>	<b>8,727,674</b>

TOTAL VOLUME EXTRACTED :	8,727,674 GALLONS
DAYS IN MONTH :	31 DAYS
MONTHLY AVERAGE FLOW RATE :	195.51 GPM

- 10/03/12-10/05/12 - TW-19 was shut down for maintenance.
- 10/18/12-10/19/12 - Extraction was shut down due to DTE power failures.
- 10/20/12-10/23/12 - TW-19 was shut down as result of damage from the DTE power failure.
- 10/29/12-10/30/12 - TW-19 was shut down due to multiple DTE power failures (Hurricane Sandy).

**TABLE #7**  
**Little Lake Area System Purging**

MW-53i		MW-53i		MW-53i		MW-53i		MW-53i		MW-53i		MW-53i		MW-53i	
Date	1,4 Dioxane ug/L	Date	1,4 Dioxane ug/L	Date	1,4 Dioxane ug/L	Date	1,4 Dioxane ug/L	Date	1,4 Dioxane ug/L	Date	1,4 Dioxane ug/L	Date	1,4 Dioxane ug/L	Date	1,4 Dioxane ug/L
06/09/00	144	12/04/00	105	06/25/01	135	04/29/02	106	04/11/03	77	09/07/04	62	05/04/06	59	07/13/09	46
07/12/00	170	12/11/00	124	07/09/01	149	05/13/02	118	04/18/03	69	10/21/04	55	06/06/06	47	10/06/09	52
07/17/00	125	12/19/00	114	07/25/01	119	06/03/02	107	05/02/03	63	11/09/04	56	07/07/06	47	01/13/10	43
07/24/00	160	01/08/01	79	08/07/01	184	06/17/02	119	05/16/03	65	12/01/04	59	08/11/06	51	04/20/10	34
07/31/00	120	01/22/01	160	08/20/01	150	07/01/02	113	06/06/03	57	01/07/05	66	09/05/06	57	07/13/10	38
08/08/00	141	01/31/01	126	09/11/01	148	07/15/02	108	07/09/03	76	02/14/05	70	10/09/06	50	10/08/10	37
08/14/00	160	02/06/01	140	09/24/01	102	08/09/02	110	08/22/03	72	03/10/05	66	11/14/06	51	01/26/11	40
08/21/00	130	02/13/01	115	10/09/01	141	08/19/02	98	09/11/03	75	04/07/05	57	12/04/06	48	04/12/11	23
08/28/00	160	02/20/01	162	10/29/01	122	09/23/02	103	10/02/03	66	05/13/05	51	01/04/07	50	08/05/11	46
09/05/00	170	03/01/01	123	11/13/01	117	10/24/02	139	11/13/03	63	06/09/05	59	02/12/07	50	10/06/11	42
09/11/00	190	03/09/01	172	11/26/01	118	11/26/02	158	12/09/03	57	07/08/05	53	03/05/07	60	01/19/12	58
09/18/00	160	03/16/01	179	12/17/01	104	12/03/02	154	01/06/04	72	08/11/05	55	04/03/07	58	04/17/12	63
09/25/00	140	03/22/01	164	01/02/02	122	01/13/03	142	01/07/04	74	09/12/05	50	07/11/07	66	07/26/12	57
10/02/00	140	03/26/01	136	01/21/02	120	02/12/03	112	02/16/04	58	10/04/05	47	10/04/07	55	10/09/12	43
10/09/00	180	04/02/01	177	02/08/02	110	02/20/03	142	03/02/04	61	11/15/05	47	01/24/08	48		
10/16/00	180	04/09/01	111	02/19/02	100	02/27/03	104	04/01/04	64	12/14/05	47	04/07/08	43		
10/23/00	120	04/23/01	110	03/04/02	105	03/06/03	101	05/11/04	61	01/12/06	48	07/23/08	54		
10/30/00	140	05/07/01	119	03/18/02	97	03/14/03	99	06/02/04	63	02/08/06	45	10/07/08	47		
11/06/00	143	05/30/01	115	04/01/02	106	03/17/03	93	07/02/04	58	03/07/06	55	01/20/09	47		
11/20/00	150	06/12/01	128	04/15/02	109	04/04/03	72	08/18/04	59	04/10/06	45	04/10/09	38		

  

Ann Arbor Cleaning Supply Well		Ann Arbor Cleaning Supply Well		Ann Arbor Cleaning Supply Well		Ann Arbor Cleaning Supply Well		Ann Arbor Cleaning Supply Well		Ann Arbor Cleaning Supply Well		Ann Arbor Cleaning Supply Well		Ann Arbor Cleaning Supply Well	
Date	1,4 Dioxane ug/L	Date	1,4 Dioxane ug/L	Date	1,4 Dioxane ug/L	Date	1,4 Dioxane ug/L	Date	1,4 Dioxane ug/L	Date	1,4 Dioxane ug/L	Date	1,4 Dioxane ug/L	Date	1,4 Dioxane ug/L
05/02/03	139	08/18/04	150	11/15/05	115	02/01/07	108	04/03/08	92	07/09/09	96	10/07/10	112	02/06/12	68
05/19/03	129	09/07/04	147	12/14/05	140	03/06/07	105	05/01/08	94	08/06/09	105	11/09/10	88	3/1/12 (8 am)	70
07/23/03	126	10/07/04	123	01/12/06	119	04/05/07	106	06/05/08	98	09/03/09	100	12/02/10	103	3/1/12 (12 pm)	98
08/04/03	157	11/09/04	120	02/14/06	113	05/03/07	104	07/10/08	101	10/01/09	91	01/06/11	93	04/17/12	76
09/11/03	127	12/01/04	160	03/02/06	125	06/07/07	112	08/07/08	92	11/05/09	90	02/10/11	106	05/23/12	82
10/02/03	135	01/07/05	174	04/10/06	116	07/12/07	116	09/04/08	84	12/03/09	71	03/03/11	94	06/07/12	77
11/20/03	145	02/14/05	129	05/04/06	122	08/07/07	109	10/02/08	91	01/07/10	93	04/07/11	103	07/19/12	108
12/09/03	175	03/10/05	161	06/01/06	117	09/06/07	105	11/05/08	105	02/04/10	89	05/05/11	107	08/14/12	64
01/06/04	146	04/07/05	169	07/07/06	116	10/04/07	113	12/09/08	101	03/04/10	87	06/02/11	97	09/06/12	84
02/16/04	134	05/13/05	135	08/03/06	119	10/04/07	108	01/13/09	97	04/01/10	88	08/05/11	42	10/09/12	62
03/02/04	182	06/27/05	128	09/06/06	112	10/04/07	106	02/05/09	97	05/06/10	87	09/01/11	88		
04/01/04	168	07/08/05	121	10/05/06	119	11/01/07	111	03/05/09	98	06/10/10	89	10/07/11	56		
05/11/04	160	08/11/05	139	11/14/06	117	12/06/07	105	04/02/09	98	07/08/10	99	11/11/11	52		
06/02/04	150	09/12/05	118	12/07/06	108	01/03/08	101	05/07/09	100	08/05/10	98	12/01/11	101		
07/07/04	110	10/24/05	119	01/11/07	112	03/06/08	102	06/04/09	93	09/13/10	83	01/18/12	62		



**TABLE #8**

**INDIVIDUAL PURGE WELL CONCENTRATIONS**

<b>SAMPLE ID</b>	<b>Date Sampled</b>	<b>1,4-DIOXANE (ppb)</b>
DOLPH-10-01-12-08:15-1	10/01/12	74
TW-20-10-01-12-07:50-1	10/01/12	906
LB-1-10-01-12-08:30-1	10/01/12	475
LB-3-10-01-12-08:33-1	10/01/12	413
TW-21-10-01-12-08:00-1	10/01/12	157
TW-5-10-01-12-08:10-1	10/01/12	786
TW-9-10-01-12-11:45-1	10/01/12	613
TW-18-10-01-12-08:17-1	10/01/12	267
TW-19-10-01-12-08:32-1	10/01/12	782
TW-22-10-01-12-08:22-1	10/01/12	560
TW-8-10-01-12-08:20-1	10/01/12	399

RED POND DATA

Month of: Oct-12

Date	Time	Notes	Red Pond				
			Pond	Level	Aeration	Influent	Influent
			Visual Chk	Feet	Hours	Hours	GPM
Mon-10/1/12	3:05		Y	5.2	-	24.00	529
Tue-10/2/12	3:00		Y	5.2	-	24.00	528
Wed-10/3/12	3:00		Y	5.3	-	24.00	530
Thu-10/4/12	3:00		Y	5.3	-	24.00	528
Fri-10/5/12	3:00		Y	5.2	-	24.00	526
Sat-10/6/12	3:00	(1)		5.2	-	24.00	527
Sun-10/7/12	3:00	(1)		5.1	-	24.00	526
Mon-10/8/12	3:00		Y	5.0	-	24.00	526
Tue-10/9/12	3:00		Y	4.8	-	24.00	530
Wed-10/10/12	3:00		Y	4.8	-	24.00	531
Thu-10/11/12	3:00		Y	4.8	-	24.00	531
Fri-10/12/12	3:00		Y	4.8	-	24.00	531
Sat-10/13/12	3:00	(1)		4.7	-	24.00	532
Sun-10/14/12	3:00	(1)		4.9	-	24.00	532
Mon-10/15/12	3:00		Y	4.9	-	24.00	531
Tue-10/16/12	3:00		Y	4.8	-	24.00	533
Wed-10/17/12	3:00		Y	4.8	-	24.00	532
Thu-10/18/12	3:00		Y	5.4	-	16.45	502
Fri-10/19/12	3:00		Y	5.4	-	17.90	478
Sat-10/20/12	3:00	(1)		4.9	-	24.00	523
Sun-10/21/12	3:00	(1)		4.8	-	24.00	529
Mon-10/22/12	3:00		Y	4.7	-	24.00	533
Tue-10/23/12	3:00		Y	4.8	-	24.00	536
Wed-10/24/12	3:00		Y	4.9	-	24.00	531
Thu-10/25/12	3:00		Y	5.3	-	24.00	524
Fri-10/26/12	3:00		Y	5.3	-	24.00	522
Sat-10/27/12	3:00	(1)		4.9	-	24.00	528
Sun-10/28/12	3:00	(1)		4.8	-	24.00	528
Mon-10/29/12	3:00		Y	4.8	-	24.00	521
Tue-10/30/12	3:00		Y	4.9	-	24.00	535
Wed-10/31/12	3:00		Y	4.9	-	24.00	527
<b>TOTALS</b>			-	-	-	730	

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-10-01-12-08:19-1	10/1/2012	345
Red Pond-10-09-12-08:30-1	10/9/2012	450
Red Pond-10-15-12-07:55-1	10/15/2012	590
Red Pond-10-22-12-08:15-1	10/22/2012	490
Red Pond-10-29-12-09:10-1	10/29/2012	330

**OZONE OPERATION REPORT**

Month of: **Oct-12**

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
Mon-10/1/12	3:07 AM		259	24.00	0	0.00	260	23.00	0	0.00
Tue-10/2/12	3:00 AM		260	23.37	0	0.00	260	24.00	0	0.00
Wed-10/3/12	3:00 AM		260	24.00	0	0.00	260	24.00	0	0.00
Thu-10/4/12	3:00 AM		260	24.00	0	0.00	260	24.00	0	0.00
Fri-10/5/12	3:00 AM		260	24.00	0	0.00	261	24.00	0	0.00
Sat-10/6/12	3:00 AM	(1)	260	23.83	0	0.00	260	23.78	0	0.00
Sun-10/7/12	3:00 AM	(1)	260	24.00	0	0.00	260	24.00	0	0.00
Mon-10/8/12	3:00 AM		260	24.00	0	0.00	260	24.00	0	0.00
Tue-10/9/12	3:00 AM		261	24.00	0	0.00	260	24.00	0	0.00
Wed-10/10/12	3:00 AM		259	24.00	0	0.00	260	24.00	0	0.00
Thu-10/11/12	3:00 AM		260	24.00	0	0.00	261	24.00	0	0.00
Fri-10/12/12	3:00 AM		260	24.00	0	0.00	260	24.00	0	0.00
Sat-10/13/12	3:00 AM	(1)	259	24.00	0	0.00	260	24.00	0	0.00
Sun-10/14/12	3:00 AM	(1)	260	24.00	0	0.00	260	24.00	0	0.00
Mon-10/15/12	3:00 AM		260	24.00	0	0.00	260	24.00	0	0.00
Tue-10/16/12	3:00 AM		259	24.00	0	0.00	260	24.00	0	0.00
Wed-10/17/12	3:00 AM		260	20.47	0	0.00	260	24.00	0	0.00
Thu-10/18/12	3:00 AM		260	14.55	0	0.00	260	14.77	0	0.00
Fri-10/19/12	3:00 AM		0	18.38	0	0.00	0	18.10	0	0.00
Sat-10/20/12	3:00 AM	(1)	260	24.00	0	0.00	260	24.00	0	0.00
Sun-10/21/12	3:00 AM	(1)	260	24.00	0	0.00	260	24.00	0	0.00
Mon-10/22/12	3:00 AM		260	24.00	0	0.00	260	24.00	0	0.00
Tue-10/23/12	3:00 AM		260	24.00	0	0.00	260	24.00	0	0.00
Wed-10/24/12	3:00 AM		260	21.48	0	0.00	261	24.00	0	0.00
Thu-10/25/12	3:00 AM		260	24.00	0	0.00	260	24.00	0	0.00
Fri-10/26/12	3:00 AM		260	24.00	0	0.00	259	24.00	0	0.00
Sat-10/27/12	3:00 AM	(1)	260	23.85	0	0.00	260	23.87	0	0.00
Sun-10/28/12	3:00 AM	(1)	260	24.00	0	0.00	260	24.00	0	0.00
Mon-10/29/12	3:00 AM		260	24.00	0	0.00	261	22.47	0	0.00
Tue-10/30/12	3:00 AM		260	24.00	0	0.00	259	24.00	0	0.00
Wed-10/31/12	3:00 AM		260	24.00	0	0.00	260	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.

10/02/12 - System 2A was shut down briefly for maintenance.

10/17/12 - System 1A was shut down briefly for maintenance.

10/18/12-10/19/12 - Treatment was shut down due to DTE power failures in area.

10/29/12 - System 2A was shut down briefly for maintenance.

TABLE #12

GREEN POND / DISCHARGE DATA

Month of: Oct-12

			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	
Mon-10/1/12	3:05 AM		Y	-	-							528	760,847	24.00	-	-	-	-	-	-
Tue-10/2/12	3:00 AM		Y	-	-							533	767,330	24.00	-	-	-	-	-	-
Wed-10/3/12	3:00 AM		Y	-	-							540	778,213	24.00	-	-	-	-	-	-
Thu-10/4/12	3:00 AM		Y	-	-							540	777,979	24.00	-	-	-	-	-	-
Fri-10/5/12	3:00 AM		Y	-	-							541	778,353	24.00	-	-	-	-	-	-
Sat-10/6/12	3:00 AM	(1)		-	-							535	770,885	24.00	-	-	-	-	-	-
Sun-10/7/12	3:00 AM	(1)		-	-							541	779,158	24.00	-	-	-	-	-	-
Mon-10/8/12	3:00 AM		Y	-	-							541	779,013	24.00	-	-	-	-	-	-
Tue-10/9/12	3:00 AM		Y	-	-							541	778,788	24.00	-	-	-	-	-	-
Wed-10/10/12	3:00 AM		Y	-	-							536	772,250	24.00	-	-	-	-	-	-
Thu-10/11/12	3:00 AM		Y	-	-							539	776,465	24.00	-	-	-	-	-	-
Fri-10/12/12	3:00 AM		Y	-	-							541	778,847	24.00	-	-	-	-	-	-
Sat-10/13/12	3:00 AM	(1)		-	-							541	779,152	24.00	-	-	-	-	-	-
Sun-10/14/12	3:00 AM	(1)		-	-							541	778,654	24.00	-	-	-	-	-	-
Mon-10/15/12	3:00 AM		Y	-	-							541	779,202	24.00	-	-	-	-	-	-
Tue-10/16/12	3:00 AM		Y	-	-							541	779,471	24.00	-	-	-	-	-	-
Wed-10/17/12	3:00 AM		Y	-	-							500	719,699	24.00	-	-	-	-	-	-
Thu-10/18/12	3:00 AM		Y	-	-							541	480,568	14.80	-	-	-	-	-	-
Fri-10/19/12	3:00 AM		Y	-	-							539	586,329	18.12	-	-	-	-	-	-
Sat-10/20/12	3:00 AM	(1)		-	-							540	778,139	24.00	-	-	-	-	-	-
Sun-10/21/12	3:00 AM	(1)		-	-							540	778,246	24.00	-	-	-	-	-	-
Mon-10/22/12	3:00 AM		Y	-	-							540	778,001	24.00	-	-	-	-	-	-
Tue-10/23/12	3:00 AM		Y	-	-							540	778,095	24.00	-	-	-	-	-	-
Wed-10/24/12	3:00 AM		Y	-	-							511	736,548	24.00	-	-	-	-	-	-
Thu-10/25/12	3:00 AM		Y	-	-							540	778,024	24.00	-	-	-	-	-	-
Fri-10/26/12	3:00 AM		Y	-	-							540	777,774	24.00	-	-	-	-	-	-
Sat-10/27/12	3:00 AM	(1)		-	-							536	771,984	24.00	-	-	-	-	-	-
Sun-10/28/12	3:00 AM	(1)		-	-							540	778,266	24.00	-	-	-	-	-	-
Mon-10/29/12	3:00 AM		Y	-	-							522	752,160	24.00	-	-	-	-	-	-
Tue-10/30/12	3:00 AM		Y	-	-							541	778,379	24.00	-	-	-	-	-	-
Wed-10/31/12	3:00 AM		Y	-	-							541	778,640	24.00	-	-	-	-	-	-
<b>TOTALS</b>													23,465,459	729						

Daily readings are collected by the Operator at various times of the day, resulting in varied readings and calculations.

(1) Manual readings were not taken due to weekend and/or holiday.

**TABLE #13**  
**Daily Discharge Monitoring Report**

	(Daily)	(Influent - Red Pond)	(Effluent - Outfall)	(Effluent - Outfall)	(Weekly)	(2 x Week)	(4 x Week)	(5 X Week)	(2 X Week)
PARAMETER NAME	Flow	1,4-Dioxane	1,4-Dioxane	Hydrogen Peroxide (measured as TRO)	Outfall Observation	Equipment Inspection	pH	Bromate	Sodium Bisulfite Dose Rate
PARAMETER CODE	50050	82388	82388	00139	84130	46478	00400	99814	99798
MONITORING PT.	001A	001A	001A	001A	001A	001A	001A	001A	001A
STAGE CODE	1	G	1	1	1	1	1	1	1
UNIT	MGD	mg/l	ug/l	ug/l	yes/no	yes/no	S.U.	ug/l	mg/l
10/1/2012	0.761	0.345	3	50	yes	yes	6.6	5	28
10/2/2012	0.767		3	100	no	no	6.6	6	
10/3/2012	0.778		3	0	no	no	6.7	0	
10/4/2012	0.778		3	50	no	yes	6.6	0	10
10/5/2012	0.778			50	no	no	6.6		
10/6/2012	0.771								
10/7/2012	0.779		2					0	
10/8/2012	0.779		3	Holiday	Columbus	Day		5	
10/9/2012	0.779	0.450	3	50	yes	yes	6.6	0	12
10/10/2012	0.772		3	50	no	no	6.5	0	
10/11/2012	0.776		3	0	no	yes	6.6	5	12
10/12/2012	0.779			0	no	no	6.6		
10/13/2012	0.779								
10/14/2012	0.779		4					0	
10/15/2012	0.779	0.590	4	50	yes	yes	6.6	0	10
10/16/2012	0.779		4	100	no	no	6.6	0	
10/17/2012	0.720		3	50	no	no	6.5	0	
10/18/2012	0.481		4	50	no	yes	6.6	0	10
10/19/2012	0.586			0	no	no	6.5		
10/20/2012	0.778								
10/21/2012	0.778		2					6	
10/22/2012	0.778	0.490	3	50	yes	yes	6.5	8	22
10/23/2012	0.778		1	0	no	no	6.6	6	
10/24/2012	0.737		4	50	no	no	6.6	6	
10/25/2012	0.778		4	50	no	yes	6.6	0	20
10/26/2012	0.778			50	no	no	6.6		
10/27/2012	0.772								
10/28/2012	0.778		0					0	
10/29/2012	0.752	0.330	0	100	yes	yes	6.6	6	12
10/30/2012	0.778		3	50	no	no	6.6	0	
10/31/2012	0.779		3	0	no	no	6.6	0	
<b>Discharged (mg)</b>	<b>23.465</b>								
<b>Monthly Avg</b>			<b>3</b>					<b>2</b>	

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