

EXTRACTION DATA

- TABLE #1 - UNIT "D2" UPGRADIENT EXTRACTION DATA
- TABLE #2 - UNIT "D2" DOWNGRADIENT EXTRACTION DATA
- TABLE #3 - CORE AREA EXTRACTION DATA
- TABLE #4 - MARSHY AREA EXTRACTION DATA
- TABLE #5 - SOUTHWEST AREA EXTRACTION DATA
- TABLE #6 - UNIT "E" EXTRACTION DATA
- TABLE #7 - LITTLE LAKE AREA SYSTEM EXTRACTION DATA
- TABLE #8 - INDIVIDUAL PURGE WELL CONCENTRATIONS
- TABLE #9 - RED POND DATA
- TABLE #10 - RED POND CONCENTRATIONS

OZONE OPERATION DATA

- TABLE #11 - OZONE OPERATION REPORT

DISCHARGE DATA

- TABLE #12 - GREEN POND / DISCHARGE DATA
- TABLE #13 - DAILY DISCHARGE MONITORING REPORT

RECEIVED

JAN 17 2013

DEQ • RD
JACKSON DISTRICT OFFICE

UNIT D2 UPGRADIENT EXTRACTION DATA

Month of: Dec-12

Date	TW-9			TW-5			TW-21			Daily Flow	Daily Total
	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.	GPM	Gallons
Sat-12/1/12	36,219	25	24.00	76,188	53	24.00	86,369	60	24.00	138	198,776
Sun-12/2/12	36,299	25	24.00	76,035	53	24.00	86,414	60	24.00	138	198,748
Mon-12/3/12	37,783	26	24.00	75,826	53	24.00	89,444	62	24.00	141	203,053
Tue-12/4/12	36,143	25	24.00	75,767	53	24.00	93,592	65	24.00	143	205,502
Wed-12/5/12	36,103	25	24.00	75,734	53	24.00	93,516	65	24.00	143	205,353
Thu-12/6/12	36,030	25	24.00	75,784	53	24.00	93,339	65	23.97	142	205,153
Fri-12/7/12	35,964	25	24.00	75,867	53	24.00	87,916	61	24.00	139	199,747
Sat-12/8/12	35,891	25	24.00	75,775	53	24.00	86,352	60	24.00	138	198,018
Sun-12/9/12	33,023	25	21.92	73,423	53	23.27	78,406	60	21.80	128	184,852
Mon-12/10/12	16,018	25	10.73	33,168	55	10.08	39,572	61	10.80	62	88,758
Tue-12/11/12	35,698	25	24.00	78,831	55	24.00	86,364	60	24.00	140	200,893
Wed-12/12/12	35,566	25	24.00	78,863	55	24.00	86,337	60	24.00	139	200,766
Thu-12/13/12	35,797	25	24.00	78,878	55	24.00	86,349	60	24.00	140	201,024
Fri-12/14/12	36,070	25	24.00	78,971	55	24.00	86,340	60	24.00	140	201,381
Sat-12/15/12	36,087	25	24.00	78,943	55	24.00	86,324	60	24.00	140	201,354
Sun-12/16/12	36,068	25	24.00	78,925	55	24.00	86,413	60	24.00	140	201,406
Mon-12/17/12	36,041	25	24.00	78,912	55	24.00	80,744	56	24.00	136	195,697
Tue-12/18/12	35,942	25	23.98	76,559	53	24.00	75,117	52	24.00	130	187,618
Wed-12/19/12	35,803	25	24.00	75,492	52	24.00	71,970	50	24.00	127	183,265
Thu-12/20/12	35,804	25	24.00	75,550	52	24.00	71,927	50	24.00	127	183,281
Fri-12/21/12	36,093	25	24.00	75,487	52	24.00	71,898	50	24.00	127	183,478
Sat-12/22/12	35,599	25	24.00	75,394	52	24.00	71,892	50	24.00	127	182,885
Sun-12/23/12	35,544	25	24.00	70,207	49	24.00	74,513	52	24.00	125	180,264
Mon-12/24/12	35,573	25	24.00	69,922	49	24.00	58,617	60	16.40	114	164,112
Tue-12/25/12	35,636	25	24.00	70,170	49	24.00	-	-	-	73	105,806
Wed-12/26/12	35,645	25	24.00	70,144	49	24.00	50,641	60	14.10	109	156,430
Thu-12/27/12	35,675	25	24.00	69,925	49	24.00	86,340	60	24.00	133	191,940
Fri-12/28/12	35,798	25	24.00	69,867	49	24.00	86,287	60	24.00	133	191,952
Sat-12/29/12	35,818	25	24.00	70,020	49	24.00	96,011	67	24.00	140	201,849
Sun-12/30/12	35,860	25	24.00	69,891	49	24.00	100,665	70	24.00	143	206,416
Mon-12/31/12	35,863	25	24.00	69,974	49	24.00	100,673	70	24.00	143	206,510
TOTALS	1,091,453	25	728.63	2,274,492	52	729.35	2,450,342	59	687.07	130	5,816,287

TOTAL VOLUME EXTRACTED :	5,816,287 GALLONS
DAYS IN MONTH :	31 DAYS
MONTHLY AVERAGE FLOW RATE :	130.29 GPM

12/10/12 - Extraction was shut down due to a DTE power outage in the area.
 12/24/12-12/26/12 - TW-21 was shut down for maintenance.

UNIT D2 DOWNGRADIENT EXTRACTION DATA

Month of: Dec-12

Date	LB-1			LB-3			Daily	Daily
	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.	Flow GPM	Total Gallons
Sat-12/1/12	85,537	59	24.00	57,852	40	24.00	100	143,389
Sun-12/2/12	85,478	59	23.98	57,600	40	23.98	99	143,078
Mon-12/3/12	85,138	59	24.00	57,919	40	24.00	99	143,057
Tue-12/4/12	85,147	59	24.00	57,658	40	24.00	99	142,805
Wed-12/5/12	84,998	59	24.00	57,614	40	24.00	99	142,612
Thu-12/6/12	85,320	59	24.00	57,806	40	24.00	99	143,126
Fri-12/7/12	85,611	59	24.00	57,676	40	24.00	100	143,287
Sat-12/8/12	85,676	59	24.00	57,675	40	24.00	100	143,351
Sun-12/9/12	85,623	60	23.98	57,690	40	23.98	100	143,313
Mon-12/10/12	36,963	60	10.35	24,719	40	10.35	43	61,682
Tue-12/11/12	85,470	59	24.00	57,581	40	24.00	99	143,051
Wed-12/12/12	84,902	59	24.00	57,405	40	24.00	99	142,307
Thu-12/13/12	85,187	59	24.00	57,654	40	23.98	99	142,841
Fri-12/14/12	85,392	59	24.00	57,737	40	24.00	99	143,129
Sat-12/15/12	85,341	59	23.98	57,869	40	24.00	99	143,210
Sun-12/16/12	85,772	60	24.00	57,948	40	24.00	100	143,720
Mon-12/17/12	85,655	59	24.00	57,859	40	24.00	100	143,514
Tue-12/18/12	85,606	59	24.00	57,629	40	24.00	99	143,235
Wed-12/19/12	85,285	59	24.00	57,670	40	24.00	99	142,955
Thu-12/20/12	85,809	60	24.00	58,007	40	23.98	100	143,816
Fri-12/21/12	85,136	60	23.78	57,314	40	23.83	99	142,450
Sat-12/22/12	85,387	59	24.00	57,369	40	24.00	99	142,756
Sun-12/23/12	85,384	59	24.00	57,674	40	24.00	99	143,058
Mon-12/24/12	85,478	59	24.00	57,812	40	24.00	100	143,290
Tue-12/25/12	85,665	59	24.00	57,839	40	24.00	100	143,504
Wed-12/26/12	85,630	59	24.00	57,861	40	24.00	100	143,491
Thu-12/27/12	85,435	59	24.00	57,652	40	24.00	99	143,087
Fri-12/28/12	85,297	59	24.00	57,719	40	24.00	99	143,016
Sat-12/29/12	85,603	59	24.00	57,619	40	24.00	99	143,222
Sun-12/30/12	84,792	59	24.00	57,507	40	24.00	99	142,299
Mon-12/31/12	84,989	59	24.00	57,846	40	24.00	99	142,835
TOTALS	2,598,706	59	730.07	1,755,780	40	730.10	98	4,354,486

TOTAL VOLUME EXTRACTED :	4,354,486 GALLONS
DAYS IN MONTH :	31 DAYS
MONTHLY AVERAGE FLOW RATE :	97.55 GPM

12/10/12 - Extraction was shut down due to a DTE power outage in the area.

CORE AREA EXTRACTION DATA

Month of: **Dec-12**

Core Area Well Extraction										Daily	Daily
Date	TW-2 (Dolph)			TW-10			TW-20			Flow	Total
	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.	GPM	Gallons
Sat-12/1/12	16,666	12	24.00	-	-	-	69,385	48	24.00	60	86,051
Sun-12/2/12	16,640	12	24.00	-	-	-	70,069	49	24.00	60	86,709
Mon-12/3/12	16,636	12	24.00	-	-	-	58,571	41	24.00	52	75,207
Tue-12/4/12	16,606	12	24.00	-	-	-	55,869	39	24.00	50	72,475
Wed-12/5/12	16,561	12	24.00	-	-	-	57,675	40	24.00	52	74,236
Thu-12/6/12	16,161	11	24.00	-	-	-	57,696	40	24.00	51	73,857
Fri-12/7/12	16,411	11	24.00	-	-	-	53,376	37	24.00	48	69,787
Sat-12/8/12	16,399	11	24.00	-	-	-	50,504	35	24.00	46	66,903
Sun-12/9/12	15,513	11	22.63	-	-	-	47,250	35	22.47	44	62,763
Mon-12/10/12	9,714	18	8.90	-	-	-	17,498	35	8.33	19	27,212
Tue-12/11/12	22,601	16	24.00	-	-	-	50,443	35	24.00	51	73,044
Wed-12/12/12	21,036	15	24.00	-	-	-	50,419	35	24.00	50	71,455
Thu-12/13/12	21,502	15	24.00	-	-	-	55,762	39	24.00	54	77,264
Fri-12/14/12	21,945	15	24.00	-	-	-	57,675	40	24.00	55	79,620
Sat-12/15/12	22,297	15	24.00	-	-	-	57,676	40	24.00	56	79,973
Sun-12/16/12	22,578	16	24.00	-	-	-	57,692	40	24.00	56	80,270
Mon-12/17/12	22,800	16	24.00	-	-	-	57,673	40	24.00	56	80,473
Tue-12/18/12	22,820	16	24.00	-	-	-	57,666	40	24.00	56	80,486
Wed-12/19/12	22,783	16	24.00	-	-	-	57,654	40	24.00	56	80,437
Thu-12/20/12	22,881	16	24.00	-	-	-	57,674	40	24.00	56	80,555
Fri-12/21/12	22,478	16	24.00	-	-	-	57,656	40	24.00	56	80,134
Sat-12/22/12	21,796	15	24.00	-	-	-	57,668	40	24.00	55	79,464
Sun-12/23/12	21,326	15	24.00	-	-	-	57,665	40	24.00	55	78,951
Mon-12/24/12	21,270	16	22.33	2,228	74	0.50	57,659	40	24.00	56	81,157
Tue-12/25/12	22,435	22	17.22	109,319	76	24.00	57,697	40	24.00	132	189,451
Wed-12/26/12	21,140	17	21.20	38,825	76	8.52	57,648	40	24.00	82	117,613
Thu-12/27/12	20,249	14	24.00	-	-	-	57,662	40	24.00	54	77,911
Fri-12/28/12	20,149	14	24.00	-	-	-	57,659	40	24.00	54	77,808
Sat-12/29/12	20,479	14	24.00	-	-	-	57,667	40	24.00	54	78,146
Sun-12/30/12	20,599	14	24.00	-	-	-	57,649	40	24.00	54	78,248
Mon-12/31/12	20,639	14	24.00	-	-	-	57,673	40	24.00	54	78,312
TOTALS	613,110	14	716.28	150,372	75	33.02	1,732,530	40	726.80	56	2,496,012

TOTAL VOLUME EXTRACTED :	2,496,012 GALLONS
DAYS IN MONTH :	31 DAYS
MONTHLY AVERAGE FLOW RATE :	55.91 GPM

12/9/12-12/10/12 - Extraction was shut down due to a DTE power outage in the area.
 12/24/12-12/26/12 - Dolph was shut down for maintenance and TW-10 was started to maintain the Pond level.

MARSHY AREA EXTRACTION DATA

Month of: Dec-12

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

TOTAL VOLUME EXTRACTED :	0 GALLONS
DAYS IN MONTH :	31 DAYS
MONTHLY AVERAGE FLOW RATE :	0.00 GPM

Marshy extraction was down due to low water levels.

SOUTHWEST AREA EXTRACTION DATA

Month of: Dec-12

SouthWest Well Extraction				Daily	Daily
Date	ACTIVE WELLS			Flow	Total
	Gallons	GPM	Run Hrs.	GPM	Gallons
Sat-12/1/12	36,139	25	24.00	25	36,139
Sun-12/2/12	36,009	25	24.00	25	36,009
Mon-12/3/12	35,831	25	24.00	25	35,831
Tue-12/4/12	35,586	25	24.00	25	35,586
Wed-12/5/12	34,887	24	24.00	24	34,887
Thu-12/6/12	34,878	24	24.00	24	34,878
Fri-12/7/12	34,818	24	24.00	24	34,818
Sat-12/8/12	34,810	24	24.00	24	34,810
Sun-12/9/12	32,366	24	22.47	22	32,366
Mon-12/10/12	2,089	23	1.50	<2	2,089
Tue-12/11/12	22,806	26	14.78	16	22,806
Wed-12/12/12	34,437	24	24.00	24	34,437
Thu-12/13/12	34,659	24	24.00	24	34,659
Fri-12/14/12	36,502	25	24.00	25	36,502
Sat-12/15/12	37,271	26	24.00	26	37,271
Sun-12/16/12	37,368	26	24.00	26	37,368
Mon-12/17/12	37,112	26	24.00	26	37,112
Tue-12/18/12	37,006	26	24.00	26	37,006
Wed-12/19/12	36,732	26	24.00	26	36,732
Thu-12/20/12	37,344	26	24.00	26	37,344
Fri-12/21/12	36,917	26	24.00	26	36,917
Sat-12/22/12	36,336	25	24.00	25	36,336
Sun-12/23/12	36,491	25	24.00	25	36,491
Mon-12/24/12	36,361	25	24.00	25	36,361
Tue-12/25/12	35,500	25	24.00	25	35,500
Wed-12/26/12	35,871	25	24.00	25	35,871
Thu-12/27/12	35,815	25	24.00	25	35,815
Fri-12/28/12	35,698	25	24.00	25	35,698
Sat-12/29/12	35,724	25	24.00	25	35,724
Sun-12/30/12	35,177	24	24.00	24	35,177
Mon-12/31/12	35,351	25	24.00	25	35,351
TOTALS	1,063,891	25	710.75	25	1,063,891

TOTAL VOLUME EXTRACTED :	1,063,891 GALLONS
DAYS IN MONTH :	31 DAYS
MONTHLY AVERAGE FLOW RATE :	23.83 GPM

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

12/9/12-12/11/12 - SW Extraction was shut down due to a DTE power outage in the area.

UNIT "E" EXTRACTION DATA

Month of: Dec-12

Date	TW-18			TW-19			Daily	Daily
	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.	Flow GPM	Total Gallons
Sat-12/1/12	233,648	162	24.00	70,711	49	24.00	211	304,359
Sun-12/2/12	233,656	162	24.00	70,996	49	24.00	212	304,652
Mon-12/3/12	236,500	164	24.00	72,245	50	24.00	214	308,745
Tue-12/4/12	240,937	167	24.00	72,172	50	24.00	217	313,109
Wed-12/5/12	240,972	167	24.00	72,151	50	24.00	217	313,123
Thu-12/6/12	240,672	167	23.97	72,187	50	24.00	217	312,859
Fri-12/7/12	235,518	164	24.00	72,211	50	24.00	214	307,729
Sat-12/8/12	233,653	162	24.00	67,318	52	21.40	209	300,971
Sun-12/9/12	220,302	162	22.62	62,109	53	19.60	196	282,411
Mon-12/10/12	103,073	172	10.00	30,172	50	10.10	93	133,245
Tue-12/11/12	248,236	172	24.00	70,890	49	24.00	222	319,126
Wed-12/12/12	248,235	172	24.00	70,687	49	24.00	221	318,922
Thu-12/13/12	248,214	172	24.00	70,642	49	24.00	221	318,856
Fri-12/14/12	242,835	169	24.00	70,601	49	24.00	218	313,436
Sat-12/15/12	240,924	167	24.00	70,543	49	24.00	216	311,467
Sun-12/16/12	240,919	167	24.00	70,622	49	24.00	216	311,541
Mon-12/17/12	230,243	160	24.00	70,914	49	24.00	209	301,157
Tue-12/18/12	222,499	155	24.00	70,905	49	24.00	204	293,404
Wed-12/19/12	219,090	152	24.00	70,871	49	24.00	201	289,961
Thu-12/20/12	219,106	152	24.00	71,002	49	24.00	201	290,108
Fri-12/21/12	219,090	152	24.00	70,923	49	24.00	201	290,013
Sat-12/22/12	219,101	152	24.00	70,757	49	24.00	201	289,858
Sun-12/23/12	220,223	153	24.00	70,628	49	24.00	202	290,851
Mon-12/24/12	161,516	157	17.13	50,802	81	10.50	147	212,318
Tue-12/25/12	-	-	-	-	-	-	-	-
Wed-12/26/12	124,913	157	13.25	44,775	50	14.80	118	169,688
Thu-12/27/12	226,323	157	24.00	70,974	49	24.00	206	297,297
Fri-12/28/12	226,337	157	24.00	71,463	50	24.00	207	297,800
Sat-12/29/12	226,336	157	24.00	72,118	50	24.00	207	298,454
Sun-12/30/12	226,357	157	24.00	71,989	50	24.00	207	298,346
Mon-12/31/12	226,355	157	24.00	72,030	50	24.00	207	298,385
TOTALS	6,655,783	162	686.97	2,036,408	51	676.40	201	8,692,191

TOTAL VOLUME EXTRACTED :	8,692,191 GALLONS
DAYS IN MONTH :	31 DAYS
MONTHLY AVERAGE FLOW RATE :	194.72 GPM

12/9/12-12/10/12 - Extraction was shut down due to a DTE power outage in the area.
 12/24/12-12/26/12 - Unit E extraction was shut down for maintenance.

TABLE #7
Little Lake Area System Purging

Date	Gallons Purged
12/6/2012	42,000

MW-53j		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	11/02/12	72
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	12/06/12	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		

TABLE #8

INDIVIDUAL PURGE WELL CONCENTRATIONS

SAMPLE ID	Date Sampled	1,4-DIOXANE (ppb)
DOLPH-12-03-12-09:02-1	12/03/12	71
TW-20-12-03-12-09:45-1	12/03/12	1395
LB-1-12-03-12-08:10-1	12/03/12	407
LB-3-12-03-12-08:11-1	12/03/12	461
TW-21-12-03-12-09:30-1	12/03/12	162
TW-5-12-03-12-09:38-1	12/03/12	651
TW-9-12-03-12-09:56-1	12/03/12	652
TW-18-12-03-12-09:04-1	12/03/12	294
TW-19-12-03-12-08:12-1	12/03/12	843
TW-22-12-03-12-10:10-1	12/03/12	430
TW-8-12-03-12-10:11-1	12/03/12	329

RED POND DATA

Month of: Dec-12

Date	Time	Notes	Red Pond				
			Pond	Level	Aeration	Influent	Influent
			Visual Chk	Feet	Hours	Hours	GPM
Sat-12/1/12	03:05:00	(1)		5.1	-	24.00	534
Sun-12/2/12	03:00:00	(1)		5.1	-	24.00	534
Mon-12/3/12	03:00:00		Y	5.1	-	24.00	532
Tue-12/4/12	03:00:00		Y	5.1	-	24.00	534
Wed-12/5/12	03:00:00		Y	5.1	-	24.00	535
Thu-12/6/12	03:00:00		Y	5.0	-	24.00	535
Fri-12/7/12	03:00:00		Y	5.8	-	24.00	525
Sat-12/8/12	03:00:00	(1)		5.7	-	24.00	517
Sun-12/9/12	03:00:00	(1)		5.5	-	24.00	490
Mon-12/10/12	03:00:00		Y	5.6	-	10.80	483
Tue-12/11/12	03:00:00		Y	5.4	-	24.00	527
Wed-12/12/12	03:00:00		Y	5.3	-	24.00	533
Thu-12/13/12	03:00:00		Y	5.3	-	24.00	538
Fri-12/14/12	03:00:00		Y	5.4	-	24.00	538
Sat-12/15/12	03:00:00	(1)		5.4	-	24.00	537
Sun-12/16/12	03:00:00	(1)		5.5	-	24.00	538
Mon-12/17/12	03:00:00		Y	5.7	-	24.00	526
Tue-12/18/12	03:00:01		Y	5.5	-	24.00	515
Wed-12/19/12	03:00:00		Y	5.5	-	24.00	509
Thu-12/20/12	03:00:00		Y	6.1	-	24.00	510
Fri-12/21/12	03:00:00		Y	5.9	-	24.00	509
Sat-12/22/12	03:00:00	(1)		5.6	-	24.00	508
Sun-12/23/12	03:00:00	(1)		5.2	-	24.00	507
Mon-12/24/12	03:00:00		Y	4.8	-	24.00	443
Tue-12/25/12	03:00:01		Y	4.2	-	24.00	329
Wed-12/26/12	03:00:00		Y	5.0	-	24.00	433
Thu-12/27/12	03:00:00		Y	5.4	-	24.00	518
Fri-12/28/12	03:00:00		Y	5.2	-	24.00	518
Sat-12/29/12	03:00:01	(1)		5.0	-	24.00	526
Sun-12/30/12	03:00:00	(1)		5.0	-	24.00	528
Mon-12/31/12	03:00:00		Y	4.9	-	24.00	529
TOTALS			-	-	-	731	

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-12-03-12-09:00-1	12/3/2012	418
Red Pond-12-11-12-09:10-1	12/11/2012	315
Red Pond-12-17-12-09:20-1	12/17/2012	326
Red Pond-12-24-12-10:35-1	12/24/2012	368

OZONE OPERATION REPORT

Month of: Dec-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
Sat-12/1/12	03:07:00	(1)	260	24.00	0	0.00	261	24.00	0	0.00
Sun-12/2/12	03:00:00	(1)	260	24.00	0	0.00	261	24.00	0	0.00
Mon-12/3/12	03:00:00		260	24.00	0	0.00	260	24.00	0	0.00
Tue-12/4/12	03:00:00		260	24.00	0	0.00	260	24.00	0	0.00
Wed-12/5/12	03:00:00		260	24.00	0	0.00	260	24.00	0	0.00
Thu-12/6/12	03:00:00		260	24.00	0	0.00	260	22.50	0	0.00
Fri-12/7/12	03:00:00		260	24.00	0	0.00	260	24.00	0	0.00
Sat-12/8/12	03:00:00	(1)	260	23.87	0	0.00	260	23.85	0	0.00
Sun-12/9/12	03:00:00	(1)	260	21.77	0	0.00	261	21.77	0	0.00
Mon-12/10/12	03:00:00		260	10.86	0	0.00	0	10.82	0	0.00
Tue-12/11/12	03:00:00		260	24.00	0	0.00	260	24.00	0	0.00
Wed-12/12/12	03:00:00		260	24.00	0	0.00	261	24.00	0	0.00
Thu-12/13/12	03:00:00		260	24.00	0	0.00	260	24.00	0	0.00
Fri-12/14/12	03:00:00		260	24.00	0	0.00	260	24.00	0	0.00
Sat-12/15/12	03:00:00	(1)	260	24.00	0	0.00	260	24.00	0	0.00
Sun-12/16/12	03:00:00	(1)	260	24.00	0	0.00	260	24.00	0	0.00
Mon-12/17/12	03:00:00		260	24.00	0	0.00	260	24.00	0	0.00
Tue-12/18/12	03:00:01		260	23.53	0	0.00	259	23.58	0	0.00
Wed-12/19/12	03:00:00		260	24.00	0	0.00	261	17.13	0	0.00
Thu-12/20/12	03:00:00		260	24.00	0	0.00	260	24.00	0	0.00
Fri-12/21/12	03:00:00		260	23.83	0	0.00	260	23.83	0	0.00
Sat-12/22/12	03:00:00	(1)	260	24.00	0	0.00	260	24.00	0	0.00
Sun-12/23/12	03:00:00	(1)	260	24.00	0	0.00	260	24.00	0	0.00
Mon-12/24/12	03:00:00		260	24.00	0	0.00	261	20.43	0	0.00
Tue-12/25/12	03:00:01		260	24.00	0	0.00	0	0.00	0	0.00
Wed-12/26/12	03:00:00		260	22.72	0	0.00	0	13.08	0	0.00
Thu-12/27/12	03:00:00		260	24.00	0	0.00	260	24.00	0	0.00
Fri-12/28/12	03:00:00		260	24.00	0	0.00	260	24.00	0	0.00
Sat-12/29/12	03:00:01	(1)	260	24.00	0	0.00	261	24.00	0	0.00
Sun-12/30/12	03:00:00	(1)	260	24.00	0	0.00	260	24.00	0	0.00
Mon-12/31/12	03:00:00		260	24.00	0	0.00	261	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.

- 12/6/12-System-2A was shut down for maintenance.
- 12/9/12-12/10/12 - Treatment was shut down due to a DTE power outage in the area.
- 12/19/12 - System-2A was shut down for maintenance.
- 12/24/12-12/26/12 - System-2A was shut down to maintain the Pond level.
- 12/26/12 - System-1A was shut down briefly for maintenance.

GREEN POND / DISCHARGE DATA

Month of: Dec-12

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	
Sat-12/1/12	03:05:00	(1)		-	-							541	779,529	24.00	-	-	-	-	-	-
Sun-12/2/12	03:00:00	(1)		-	-							541	779,308	24.00	-	-	-	-	-	-
Mon-12/3/12	03:00:00		Y	-	-							541	779,623	24.00	-	-	-	-	-	-
Tue-12/4/12	03:00:00		Y	-	-							541	779,310	24.00	-	-	-	-	-	-
Wed-12/5/12	03:00:00		Y	-	-							541	778,965	24.00	-	-	-	-	-	-
Thu-12/6/12	03:00:00		Y	-	-							523	752,911	24.00	-	-	-	-	-	-
Fri-12/7/12	03:00:00		Y	-	-							541	778,667	24.00	-	-	-	-	-	-
Sat-12/8/12	03:00:00	(1)		-	-							537	772,918	24.00	-	-	-	-	-	-
Sun-12/9/12	03:00:00	(1)		-	-							539	704,110	21.77	-	-	-	-	-	-
Mon-12/10/12	03:00:00		Y	-	-							539	351,247	10.87	-	-	-	-	-	-
Tue-12/11/12	03:00:00		Y	-	-							540	777,779	24.00	-	-	-	-	-	-
Wed-12/12/12	03:00:00		Y	-	-							540	777,676	24.00	-	-	-	-	-	-
Thu-12/13/12	03:00:00		Y	-	-							540	777,661	24.00	-	-	-	-	-	-
Fri-12/14/12	03:00:00		Y	-	-							540	777,735	24.00	-	-	-	-	-	-
Sat-12/15/12	03:00:00	(1)		-	-							540	777,924	24.00	-	-	-	-	-	-
Sun-12/16/12	03:00:00	(1)		-	-							540	778,123	24.00	-	-	-	-	-	-
Mon-12/17/12	03:00:00		Y	-	-							540	778,035	24.00	-	-	-	-	-	-
Tue-12/18/12	03:00:01		Y	-	-							539	761,830	23.57	-	-	-	-	-	-
Wed-12/19/12	03:00:00		Y	-	-							462	665,794	24.00	-	-	-	-	-	-
Thu-12/20/12	03:00:00		Y	-	-							540	777,743	24.00	-	-	-	-	-	-
Fri-12/21/12	03:00:00		Y	-	-							535	770,803	24.00	-	-	-	-	-	-
Sat-12/22/12	03:00:00	(1)		-	-							540	778,025	24.00	-	-	-	-	-	-
Sun-12/23/12	03:00:00	(1)		-	-							541	778,475	24.00	-	-	-	-	-	-
Mon-12/24/12	03:00:00		Y	-	-							500	719,788	24.00	-	-	-	-	-	-
Tue-12/25/12	03:00:01		Y	-	-							270	389,477	24.00	-	-	-	-	-	-
Wed-12/26/12	03:00:00		Y	-	-							401	577,038	24.00	-	-	-	-	-	-
Thu-12/27/12	03:00:00		Y	-	-							539	776,850	24.00	-	-	-	-	-	-
Fri-12/28/12	03:00:00		Y	-	-							539	776,806	24.00	-	-	-	-	-	-
Sat-12/29/12	03:00:01	(1)		-	-							540	777,043	24.00	-	-	-	-	-	-
Sun-12/30/12	03:00:00	(1)		-	-							539	776,694	24.00	-	-	-	-	-	-
Mon-12/31/12	03:00:00		Y	-	-							539	776,813	24.00	-	-	-	-	-	-
TOTALS													22,804,700	728						

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
12/1/2012	0.780								
12/2/2012	0.779		2					0	
12/3/2012	0.780	0.418	3	50	yes	yes	6.7	0	18
12/4/2012	0.779		4	50	no	no	6.6	0	
12/5/2012	0.779		3	100	no	no	6.6	0	
12/6/2012	0.753		3	50	no	yes	6.5	0	18
12/7/2012	0.779			50	no	no	6.5		
12/8/2012	0.773								
12/9/2012	0.704		3					0	
12/10/2012	0.351		2	50	yes	yes	6.6	0	18
12/11/2012	0.778	0.315	0	50	no	no	6.6	0	
12/12/2012	0.778		3	100	no	no	6.6	0	
12/13/2012	0.778		0	0	no	yes	6.6	0	8
12/14/2012	0.778			50	no	no	6.6		
12/15/2012	0.778								
12/16/2012	0.778		3					0	
12/17/2012	0.778	0.326	3	50	yes	yes	6.6	0	18
12/18/2012	0.762		2	100	no	no	6.6	0	
12/19/2012	0.666		4	50	no	no	6.6	0	
12/20/2012	0.778		2	100	no	yes	6.7	0	18
12/21/2012	0.771			50	no	no	6.5		
12/22/2012	0.778								
12/23/2012	0.778		2					0	
12/24/2012	0.720	0.368	3	50	yes	yes	6.6	0	10
12/25/2012	0.389		3					0	
12/26/2012	0.577		4	50	no	no	6.7	0	
12/27/2012	0.777		2					0	
12/28/2012	0.777			50	no	yes	6.6		12
12/29/2012	0.777								
12/30/2012	0.777		3					0	
12/31/2012	0.777		3	100	yes	yes	6.7	0	10
Discharged (mg)	22,805								
Monthly Avg			3					0	

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