



EXTRACTION DATA

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TABLE #1

UNIT D2 UPGRADIENT EXTRACTION DATA

Month of: **Dec-10**

Date	Horizontal Well Extraction			TW-9			TW-5			TW-21			Daily Flow	Daily Total
	HW-S			TW-9			TW-5			TW-21			GPM	Gallons
	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.		
Wed-12/1/10	36,190	25	24.00	129,604	90	24.00	115,335	80	24.00	179,906	125	24.00	320	461,035
Thu-12/2/10	36,030	25	24.00	129,654	90	24.00	114,586	80	24.00	179,903	125	24.00	320	460,173
Fri-12/3/10	36,025	25	24.00	129,722	90	24.00	114,742	80	24.00	174,661	121	24.00	316	455,150
Sat-12/4/10	36,060	25	24.00	129,653	90	24.00	114,919	80	24.00	172,734	120	24.00	315	453,366
Sun-12/5/10	36,013	25	24.00	129,764	90	24.00	115,103	80	24.00	172,725	120	24.00	315	453,605
Mon-12/6/10	36,017	25	24.00	129,787	90	24.00	115,117	80	24.00	167,297	116	24.00	311	448,218
Tue-12/7/10	35,946	25	24.00	129,772	90	24.00	115,019	80	24.00	165,508	115	24.00	310	446,245
Wed-12/8/10	35,819	25	24.00	129,744	90	24.00	114,707	80	24.00	170,929	119	24.00	313	451,199
Thu-12/9/10	35,792	25	24.00	129,763	90	24.00	114,900	80	24.00	172,693	120	24.00	315	453,148
Fri-12/10/10	35,864	25	24.00	129,763	90	24.00	114,949	80	24.00	172,737	120	24.00	315	453,313
Sat-12/11/10	35,776	25	24.00	129,704	90	24.00	114,629	80	24.00	172,751	120	24.00	314	452,860
Sun-12/12/10	34,022	25	22.40	72,853	90	13.48	112,894	78	24.00	172,140	120	24.00	272	391,909
Mon-12/13/10	37,370	26	24.00	68,553	80	14.27	110,163	77	24.00	172,246	120	24.00	270	388,332
Tue-12/14/10	37,348	26	24.00	121,578	84	24.00	110,098	76	24.00	163,886	114	23.95	301	432,910
Wed-12/15/10	37,384	26	24.00	129,648	90	24.00	109,799	76	24.00	210,940	146	24.00	339	487,771
Thu-12/16/10	37,388	26	24.00	129,762	90	24.00	109,912	76	24.00	215,509	150	24.00	342	492,571
Fri-12/17/10	37,400	26	24.00	129,688	90	24.00	110,249	77	24.00	185,148	129	24.00	321	462,485
Sat-12/18/10	37,417	26	24.00	129,777	90	24.00	110,705	77	24.00	187,040	130	24.00	323	464,939
Sun-12/19/10	37,428	26	24.00	129,740	90	24.00	110,868	77	24.00	187,065	130	24.00	323	465,101
Mon-12/20/10	37,461	26	24.00	129,816	90	24.00	111,045	77	24.00	192,390	134	24.00	327	470,712
Tue-12/21/10	37,511	26	24.00	129,829	90	24.00	111,350	77	24.00	194,299	135	24.00	328	472,989
Wed-12/22/10	37,500	26	24.00	129,747	90	24.00	111,420	77	24.00	194,311	135	24.00	328	472,978
Thu-12/23/10	37,507	26	24.00	105,027	90	19.47	111,426	77	24.00	195,216	136	24.00	312	449,176
Fri-12/24/10	37,534	26	24.00	-	-	-	111,578	77	24.00	230,294	160	24.00	263	379,406
Sat-12/25/10	37,565	26	24.00	-	-	-	111,655	78	24.00	230,286	160	24.00	264	379,506
Sun-12/26/10	37,593	26	24.00	-	-	-	111,759	78	24.00	230,265	160	24.00	264	379,617
Mon-12/27/10	37,638	26	24.00	-	-	-	111,883	78	24.00	230,268	160	24.00	264	379,789
Tue-12/28/10	37,691	26	24.00	-	-	-	111,974	78	24.00	230,255	160	24.00	264	379,920
Wed-12/29/10	37,729	26	24.00	-	-	-	112,039	78	24.00	230,279	160	24.00	264	380,047
Thu-12/30/10	37,796	26	24.00	-	-	-	112,011	78	24.00	230,335	160	24.00	264	380,142
Fri-12/31/10	37,780	26	24.00	-	-	-	112,008	78	24.00	230,401	160	24.00	264	380,189
TOTALS	1,142,594	26	742.40	2,832,948	89	527.22	3,488,842	78	744.00	6,014,417	135	743.95	302	13,478,801

TOTAL VOLUME EXTRACTED :	13,478,801 GALLONS
DAYS IN MONTH :	31 DAYS
MONTHLY AVERAGE FLOW RATE :	301.94 GPM

12/12/10 - HW-S was shut down briefly due to a DTE power failure in the area.
 12/12/10 - 12/13/10 - TW-9 was shut down due to a DTE power failure in the area.
 12/23/10 - 12/31/10 - TW-9 was shut down for repairs.

UNIT D2 DOWNGRADIENT EXTRACTION DATA

Month of: Dec-10

Date	LB-1			LB-3			AE-3			Daily	Daily
	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.	Flow GPM	Total Gallons
Wed-12/1/10	136,934	95	24.00	115,368	80	24.00	21,600	15	24.00	190	273,902
Thu-12/2/10	136,930	95	24.00	115,195	80	24.00	21,579	15	24.00	190	273,704
Fri-12/3/10	136,935	95	24.00	115,408	80	24.00	21,574	15	24.00	190	273,917
Sat-12/4/10	136,934	95	24.00	115,411	80	23.98	21,580	15	24.00	190	273,925
Sun-12/5/10	136,934	95	23.98	115,343	80	24.00	21,545	15	24.00	190	273,822
Mon-12/6/10	136,930	95	24.00	115,320	80	24.00	21,490	15	24.00	190	273,740
Tue-12/7/10	136,938	95	24.00	115,421	80	24.00	21,510	15	24.00	190	273,869
Wed-12/8/10	136,936	95	24.00	115,479	80	24.00	21,504	15	24.00	190	273,919
Thu-12/9/10	136,933	95	24.00	115,291	80	24.00	21,508	15	24.00	190	273,732
Fri-12/10/10	136,935	95	24.00	115,265	80	24.00	21,520	15	24.00	190	273,720
Sat-12/11/10	136,936	95	24.00	115,227	80	23.98	21,603	15	24.00	190	273,766
Sun-12/12/10	136,929	95	23.98	115,354	80	24.00	21,628	15	24.00	190	273,911
Mon-12/13/10	136,943	95	24.00	115,196	80	24.00	21,605	15	24.00	190	273,744
Tue-12/14/10	141,476	98	24.00	79,090	55	24.00	21,615	15	24.00	168	242,181
Wed-12/15/10	101,140	100	16.83	40,313	40	16.83	15,165	15	16.80	109	156,618
Thu-12/16/10	99,026	100	16.50	39,503	40	16.50	14,770	15	16.50	106	153,299
Fri-12/17/10	144,156	100	24.00	57,665	40	23.98	21,669	15	24.00	155	223,490
Sat-12/18/10	144,155	100	24.00	57,604	40	24.00	21,602	15	24.00	155	223,361
Sun-12/19/10	144,154	100	23.98	57,601	40	24.00	21,567	15	24.00	155	223,322
Mon-12/20/10	144,149	100	24.00	57,531	40	24.00	21,531	15	24.00	155	223,211
Tue-12/21/10	144,147	100	24.00	57,342	40	24.00	21,493	15	24.00	155	222,982
Wed-12/22/10	144,146	100	24.00	57,384	40	24.00	21,445	15	24.00	155	222,975
Thu-12/23/10	144,143	100	24.00	57,684	40	24.00	21,412	15	24.00	155	223,239
Fri-12/24/10	144,143	100	24.00	57,747	40	23.98	21,463	15	24.00	155	223,353
Sat-12/25/10	144,148	100	24.00	57,780	40	24.00	21,468	15	24.00	155	223,396
Sun-12/26/10	144,148	100	23.98	57,560	40	24.00	21,456	15	24.00	155	223,164
Mon-12/27/10	144,150	100	24.00	57,682	40	24.00	21,451	15	24.00	155	223,283
Tue-12/28/10	144,152	100	24.00	57,701	40	24.00	21,474	15	24.00	155	223,327
Wed-12/29/10	144,151	100	24.00	57,581	40	24.00	21,462	15	24.00	155	223,194
Thu-12/30/10	144,144	100	24.00	57,569	40	23.98	21,649	15	24.00	155	223,362
Fri-12/31/10	144,145	100	24.00	57,645	40	24.00	21,801	15	24.00	155	223,591
TOTALS	4,284,020	98	729.25	2,522,260	57	729.23	654,739	15	729.30	167	7,461,019

TOTAL VOLUME EXTRACTED :	7,461,019 GALLONS
DAYS IN MONTH :	31 DAYS
MONTHLY AVERAGE FLOW RATE :	167.14 GPM

12/15/10-12/16/10 - Evergreen extraction was shut down due to a DTE power failure in the area.

TABLE #3

CORE AREA EXTRACTION DATA

Month of: Dec-10

Date	TW-1			TW-2 (Dolph)			TW-10			TW-14			TW-20			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.		
Wed-12/1/10	54,867	38	24.00	79,113	55	24.00	131,450	91	24.00	129,616	90	24.00	72,115	50	24.00	324	467,161
Thu-12/2/10	54,852	38	24.00	78,815	55	24.00	131,444	91	24.00	129,572	90	24.00	72,210	50	24.00	324	466,893
Fri-12/3/10	54,940	38	24.00	78,883	55	24.00	131,240	91	24.00	129,645	90	24.00	72,135	50	24.00	324	466,843
Sat-12/4/10	54,978	38	24.00	78,959	55	24.00	131,177	91	24.00	129,624	90	24.00	72,135	50	24.00	324	466,873
Sun-12/5/10	54,987	38	24.00	78,934	55	24.00	131,383	91	24.00	129,665	90	24.00	72,114	50	24.00	324	467,083
Mon-12/6/10	54,813	38	24.00	78,882	55	24.00	130,964	91	24.00	129,618	90	24.00	72,131	50	24.00	324	466,408
Tue-12/7/10	54,855	38	24.00	78,812	55	24.00	130,609	91	24.00	129,601	90	24.00	72,193	50	24.00	324	466,070
Wed-12/8/10	54,926	38	24.00	78,733	55	24.00	130,608	91	24.00	129,663	90	24.00	72,375	50	24.00	324	466,305
Thu-12/9/10	54,965	38	24.00	78,708	55	24.00	130,650	91	24.00	129,642	90	24.00	72,186	50	24.00	324	466,151
Fri-12/10/10	54,800	38	24.00	78,780	55	24.00	130,700	91	24.00	129,626	90	24.00	72,136	50	24.00	324	466,042
Sat-12/11/10	54,698	38	24.00	78,803	55	24.00	130,656	91	24.00	129,583	90	24.00	72,087	50	24.00	323	465,827
Sun-12/12/10	51,038	38	22.33	79,056	55	24.00	122,212	91	22.37	120,659	90	22.35	67,152	50	22.37	306	440,117
Mon-12/13/10	54,850	38	24.00	78,665	55	24.00	122,303	85	24.00	121,001	84	24.00	72,104	50	24.00	312	448,923
Tue-12/14/10	54,896	38	24.00	79,036	55	24.00	122,683	85	24.00	121,395	84	24.00	72,025	50	24.00	313	450,035
Wed-12/15/10	54,839	38	24.00	79,343	55	24.00	130,997	91	24.00	129,549	90	24.00	72,103	50	24.00	324	466,831
Thu-12/16/10	54,865	38	24.00	79,273	55	24.00	131,157	91	24.00	129,605	90	24.00	72,123	50	24.00	324	467,023
Fri-12/17/10	54,741	38	24.00	78,962	55	24.00	131,202	91	24.00	129,664	90	24.00	72,137	50	24.00	324	466,706
Sat-12/18/10	54,770	38	24.00	79,001	55	24.00	131,232	91	24.00	129,624	90	24.00	72,140	50	24.00	324	466,767
Sun-12/19/10	54,771	38	24.00	78,946	55	24.00	131,490	91	24.00	129,625	90	24.00	72,117	50	24.00	324	466,949
Mon-12/20/10	54,769	38	24.00	78,840	55	24.00	131,433	91	24.00	129,636	90	24.00	72,097	50	24.00	324	466,775
Tue-12/21/10	54,813	38	24.00	78,878	55	24.00	131,404	91	24.00	129,597	90	24.00	72,093	50	24.00	324	466,785
Wed-12/22/10	54,796	38	24.00	78,826	55	24.00	131,322	91	24.00	129,631	90	24.00	72,107	50	24.00	324	466,682
Thu-12/23/10	54,797	38	24.00	78,762	55	24.00	131,275	91	24.00	129,656	90	24.00	72,116	50	24.00	324	466,606
Fri-12/24/10	54,851	38	24.00	78,293	54	24.00	131,338	91	24.00	129,661	90	24.00	72,088	50	24.00	324	466,231
Sat-12/25/10	54,696	38	24.00	78,228	54	24.00	131,395	91	24.00	129,626	90	24.00	72,076	50	24.00	324	466,021
Sun-12/26/10	54,816	38	24.00	78,185	54	24.00	131,343	91	24.00	129,678	90	24.00	72,105	50	24.00	324	466,127
Mon-12/27/10	54,892	38	24.00	78,154	54	24.00	131,352	91	24.00	129,703	90	24.00	72,182	50	24.00	324	466,283
Tue-12/28/10	54,935	38	24.00	78,186	54	24.00	131,357	91	24.00	129,684	90	24.00	72,128	50	24.00	324	466,290
Wed-12/29/10	54,940	38	24.00	78,180	54	24.00	131,349	91	24.00	129,667	90	24.00	72,210	50	24.00	324	466,346
Thu-12/30/10	54,949	38	24.00	78,180	54	24.00	131,691	91	24.00	129,626	90	24.00	72,204	50	24.00	324	466,650
Fri-12/31/10	54,923	38	24.00	78,176	54	24.00	131,576	91	24.00	129,646	90	24.00	72,292	50	24.00	324	466,613
TOTALS	1,696,628		742.33	2,440,592	55	744.00	4,040,992	91	742.37	3,992,788	90	742.35	2,231,416	50	742.37	323	14,402,416

TOTAL VOLUME EXTRACTED :	14,402,416 GALLONS
DAYS IN MONTH :	31 DAYS
MONTHLY AVERAGE FLOW RATE :	322.63 GPM

12/12/10 - TW-1, TW-10, TW-14, & TW-20 were shut down due to a DTE power failure in the area.

MARSHY AREA EXTRACTION DATA

Month of: Dec-10

Marshy Well Extraction				Daily	Daily
Date	PW-1	GPM	Run Hrs.	Flow	Total
	Gallons			GPM	Gallons
Wed-12/1/10	6,035	4	24.00	4	6,035
Thu-12/2/10	6,011	4	24.00	4	6,011
Fri-12/3/10	5,978	4	24.00	4	5,978
Sat-12/4/10	5,863	4	24.00	4	5,863
Sun-12/5/10	5,842	4	24.00	4	5,842
Mon-12/6/10	5,762	4	24.00	4	5,762
Tue-12/7/10	5,651	4	24.00	4	5,651
Wed-12/8/10	5,622	4	24.00	4	5,622
Thu-12/9/10	5,593	4	24.00	4	5,593
Fri-12/10/10	5,480	4	24.00	4	5,480
Sat-12/11/10	5,502	4	24.00	4	5,502
Sun-12/12/10	5,440	4	24.00	4	5,440
Mon-12/13/10	5,195	4	24.00	4	5,195
Tue-12/14/10	5,698	4	24.00	4	5,698
Wed-12/15/10	5,673	4	24.00	4	5,673
Thu-12/16/10	5,637	4	24.00	4	5,637
Fri-12/17/10	5,667	4	24.00	4	5,667
Sat-12/18/10	5,643	4	24.00	4	5,643
Sun-12/19/10	5,653	4	24.00	4	5,653
Mon-12/20/10	5,720	4	24.00	4	5,720
Tue-12/21/10	5,711	4	24.00	4	5,711
Wed-12/22/10	5,673	4	24.00	4	5,673
Thu-12/23/10	5,819	4	24.00	4	5,819
Fri-12/24/10	5,795	4	24.00	4	5,795
Sat-12/25/10	5,515	4	24.00	4	5,515
Sun-12/26/10	5,212	4	24.00	4	5,212
Mon-12/27/10	5,111	4	24.00	4	5,111
Tue-12/28/10	5,165	4	24.00	4	5,165
Wed-12/29/10	5,106	4	24.00	4	5,106
Thu-12/30/10	5,174	4	24.00	4	5,174
Fri-12/31/10	5,189	4	24.00	4	5,189
TOTALS	173,135	4	744.00	4	173,135

TOTAL VOLUME EXTRACTED :	173,135 GALLONS
DAYS IN MONTH :	31 DAYS
MONTHLY AVERAGE FLOW RATE :	3.88 GPM

SOUTHWEST AREA EXTRACTION DATA

Month of: Dec-10

SouthWest Well Extraction				Daily	Daily
Date	ACTIVE WELLS			Flow	Total
	Gallons	GPM	Run Hrs.	GPM	Gallons
Wed-12/1/10	49,873	35	24.00	35	49,873
Thu-12/2/10	49,766	35	24.00	35	49,766
Fri-12/3/10	49,819	35	24.00	35	49,819
Sat-12/4/10	49,847	35	24.00	35	49,847
Sun-12/5/10	49,749	35	24.00	35	49,749
Mon-12/6/10	49,758	35	24.00	35	49,758
Tue-12/7/10	49,768	35	24.00	35	49,768
Wed-12/8/10	49,693	35	24.00	35	49,693
Thu-12/9/10	46,675	32	24.00	32	46,675
Fri-12/10/10	43,803	30	24.00	30	43,803
Sat-12/11/10	43,782	30	24.00	30	43,782
Sun-12/12/10	24,070	30	13.17	17	24,070
Mon-12/13/10	26,322	30	14.43	18	26,322
Tue-12/14/10	43,890	30	24.00	30	43,890
Wed-12/15/10	44,022	31	24.00	31	44,022
Thu-12/16/10	43,986	31	24.00	31	43,986
Fri-12/17/10	43,890	30	24.00	30	43,890
Sat-12/18/10	43,876	30	24.00	30	43,876
Sun-12/19/10	43,871	30	24.00	30	43,871
Mon-12/20/10	43,866	30	24.00	30	43,866
Tue-12/21/10	43,885	30	24.00	30	43,885
Wed-12/22/10	43,862	30	24.00	30	43,862
Thu-12/23/10	43,839	30	24.00	30	43,839
Fri-12/24/10	43,662	30	24.00	30	43,662
Sat-12/25/10	43,679	30	24.00	30	43,679
Sun-12/26/10	43,677	30	24.00	30	43,677
Mon-12/27/10	43,689	30	24.00	30	43,689
Tue-12/28/10	43,700	30	24.00	30	43,700
Wed-12/29/10	43,701	30	24.00	30	43,701
Thu-12/30/10	43,706	30	24.00	30	43,706
Fri-12/31/10	43,684	30	24.00	30	43,684
TOTALS	1,371,410	32	723.60	31	1,371,410

TOTAL VOLUME EXTRACTED :	1,371,410 GALLONS
DAYS IN MONTH :	31 DAYS
MONTHLY AVERAGE FLOW RATE :	30.72 GPM

Note: ACTIVE WELLS = TW-8, TW-13

12/12/10-12/13/10 - SW extraction was shut down due to a DTE power failure in the area.

12/12/10-12/31/10 - TW-13 was shut down for repairs.

UNIT "E" EXTRACTION DATA

Month of: Dec-10

Date	TW-11			TW-17			TW-18			Daily	Daily
	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.	Flow GPM	Total Gallons
Wed-12/1/10	68,388	47	24.00	129,507	90	24.00	182,800	127	24.00	264	380,695
Thu-12/2/10	67,986	47	24.00	129,525	90	24.00	182,660	127	24.00	264	380,171
Fri-12/3/10	67,815	47	24.00	129,544	90	24.00	177,341	123	24.00	260	374,700
Sat-12/4/10	67,866	47	24.00	129,495	90	24.00	175,512	122	24.00	259	372,873
Sun-12/5/10	67,886	47	24.00	129,497	90	24.00	175,462	122	24.00	259	372,845
Mon-12/6/10	67,829	47	24.00	129,530	90	24.00	169,810	118	24.00	255	367,169
Tue-12/7/10	67,870	47	24.00	129,516	90	24.00	173,837	121	24.00	258	371,223
Wed-12/8/10	67,694	47	24.00	129,488	90	24.00	175,774	122	24.00	259	372,956
Thu-12/9/10	67,257	47	24.00	129,495	90	24.00	175,767	122	24.00	259	372,519
Fri-12/10/10	67,602	47	24.00	129,558	90	24.00	175,709	122	24.00	259	372,869
Sat-12/11/10	67,147	47	24.00	129,513	90	24.00	175,591	122	24.00	259	372,251
Sun-12/12/10	75,941	53	24.00	120,603	90	22.35	175,315	122	24.00	258	371,859
Mon-12/13/10	87,159	61	24.00	120,919	84	24.00	174,748	121	24.00	266	382,826
Tue-12/14/10	87,272	61	24.00	121,244	84	24.00	167,162	116	23.95	261	375,678
Wed-12/15/10	87,199	61	24.00	129,436	90	24.00	216,027	150	24.00	300	432,662
Thu-12/16/10	87,355	61	24.00	129,477	90	24.00	217,750	151	24.00	302	434,582
Fri-12/17/10	87,695	61	24.00	129,513	90	24.00	188,457	131	24.00	282	405,665
Sat-12/18/10	87,405	61	24.00	129,489	90	24.00	190,310	132	24.00	283	407,204
Sun-12/19/10	87,297	61	24.00	129,461	90	24.00	190,339	132	24.00	283	407,097
Mon-12/20/10	87,056	60	24.00	129,505	90	24.00	195,843	136	24.00	286	412,404
Tue-12/21/10	86,929	60	24.00	129,527	90	24.00	197,656	137	24.00	288	414,112
Wed-12/22/10	87,053	60	24.00	129,508	90	24.00	197,610	137	24.00	288	414,171
Thu-12/23/10	87,325	61	24.00	129,863	90	24.00	199,946	139	24.00	290	417,134
Fri-12/24/10	87,413	61	24.00	143,918	100	24.00	263,116	183	24.00	343	494,447
Sat-12/25/10	87,632	61	24.00	143,912	100	24.00	263,240	183	24.00	344	494,784
Sun-12/26/10	87,422	61	24.00	143,901	100	24.00	263,209	183	24.00	343	494,532
Mon-12/27/10	87,446	61	24.00	143,920	100	24.00	263,216	183	24.00	343	494,582
Tue-12/28/10	87,533	61	24.00	143,884	100	24.00	263,129	183	24.00	343	494,546
Wed-12/29/10	87,573	61	24.00	143,901	100	24.00	263,060	183	24.00	343	494,534
Thu-12/30/10	87,692	61	24.00	143,934	100	24.00	263,020	183	24.00	344	494,646
Fri-12/31/10	87,772	61	24.00	143,955	100	24.00	263,201	183	24.00	344	494,928
TOTALS	2,481,509	56	744.00	4,104,538	92	742.35	6,356,617	142	743.95	290	12,942,664

TOTAL VOLUME EXTRACTED :	12,942,664 GALLONS
DAYS IN MONTH :	31 DAYS
MONTHLY AVERAGE FLOW RATE :	289.93 GPM

12/12/10 - TW-17 was shut down briefly due to a DTE power failure in the area.

TABLE #7
Western System Purging

Date	Gallons Purged
12/6/2010	36,000

Western System MW-53i	
Date	1,4 Dioxane ug/L
06/09/00	144
07/12/00	170
07/17/00	125
07/24/00	160
07/31/00	120
08/08/00	141
08/14/00	160
08/21/00	130
08/28/00	160
09/05/00	170
09/11/00	190
09/18/00	160
09/25/00	140
10/02/00	140
10/09/00	180
10/16/00	180
10/23/00	120
10/30/00	140
11/06/00	143
11/20/00	150

Western System MW-53i	
Date	1,4 Dioxane ug/L
12/04/00	105
12/11/00	124
12/19/00	114
01/08/01	79
01/22/01	160
01/31/01	126
02/06/01	140
02/13/01	115
02/20/01	162
03/01/01	123
03/09/01	172
03/16/01	179
03/22/01	164
03/26/01	136
04/02/01	177
04/09/01	111
04/23/01	110
05/07/01	119
05/30/01	115
06/12/01	128

Western System MW-53i	
Date	1,4 Dioxane ug/L
06/25/01	135
07/09/01	149
07/25/01	119
08/07/01	184
08/20/01	150
09/11/01	148
09/24/01	102
10/09/01	141
10/29/01	122
11/13/01	117
11/26/01	118
12/17/01	104
01/02/02	122
01/21/02	120
02/08/02	110
02/19/02	100
03/04/02	105
03/18/02	97
04/01/02	106
04/15/02	109

Western System MW-53i	
Date	1,4 Dioxane ug/L
04/29/02	106
05/13/02	118
06/03/02	107
06/17/02	119
07/01/02	113
07/15/02	108
08/09/02	110
08/19/02	98
09/23/02	103
10/24/02	139
11/26/02	158
12/03/02	154
01/13/03	142
02/12/03	112
02/20/03	142
02/27/03	104
03/06/03	101
03/14/03	99
03/17/03	93
04/04/03	72

Western System MW-53i	
Date	1,4 Dioxane ug/L
04/11/03	77
04/18/03	69
05/02/03	63
05/16/03	65
06/06/03	57
07/09/03	76
08/22/03	72
09/11/03	75
10/02/03	66
11/13/03	63
12/09/03	57
01/06/04	72
01/07/04	74
02/16/04	58
03/02/04	61
04/01/04	64
05/11/04	61
06/02/04	63
07/02/04	58
08/18/04	59

Western System MW-53i	
Date	1,4 Dioxane ug/L
09/07/04	62
10/21/04	55
11/09/04	56
12/01/04	59
01/07/05	66
02/14/05	70
03/10/05	66
04/07/05	57
05/13/05	51
06/09/05	59
07/08/05	53
08/11/05	55
09/12/05	50
10/04/05	47
11/15/05	47
12/14/05	47
01/12/06	48
02/08/06	45
03/07/06	55
04/10/06	45

Western System MW-53i	
Date	1,4 Dioxane ug/L
05/04/06	59
06/06/06	47
07/07/06	47
08/11/06	51
09/05/06	57
10/09/06	50
11/14/06	51
12/04/06	48
01/04/07	50
02/12/07	50
03/05/07	60
04/03/07	58
07/11/07	66
10/04/07	55
01/24/08	48
04/07/08	43
07/23/08	54
10/07/08	47
01/20/09	47
04/10/09	38

Western System MW-53i	
Date	1,4 Dioxane ug/L
07/13/09	46
10/06/09	52
01/13/10	43
04/20/10	34
07/13/10	38
10/08/10	37

Ann Arbor Cleaning Supply Well	
Date	1,4 Dioxane ug/L
05/02/03	139
05/19/03	129
07/23/03	126
08/04/03	157
09/11/03	127
10/02/03	135
11/20/03	145
12/09/03	175
01/06/04	146
02/16/04	134
03/02/04	182
04/01/04	168

Ann Arbor Cleaning Supply Well	
Date	1,4 Dioxane ug/L
05/11/04	160
06/02/04	150
07/07/04	110
08/18/04	150
09/07/04	147
10/07/04	123
11/09/04	120
12/01/04	160
01/07/05	174
02/14/05	129
03/10/05	161
04/07/05	169

Ann Arbor Cleaning Supply Well	
Date	1,4 Dioxane ug/L
05/13/05	135
06/27/05	128
07/08/05	121
08/11/05	139
09/12/05	118
10/24/05	119
11/15/05	115
12/14/05	140
01/12/06	119
02/14/06	113
03/02/06	125
04/10/06	116

Ann Arbor Cleaning Supply Well	
Date	1,4 Dioxane ug/L
05/04/06	122
06/01/06	117
07/07/06	116
08/03/06	119
09/06/06	112
10/05/06	119
11/14/06	117
12/07/06	108
01/11/07	112
02/01/07	108
03/06/07	105
04/05/07	106

Ann Arbor Cleaning Supply Well	
Date	1,4 Dioxane ug/L
05/03/07	104
06/07/07	112
07/12/07	116
08/07/07	109
09/06/07	105
10/04/07	113
10/04/07	108
10/04/07	106
11/01/07	111
12/06/07	105
01/03/08	101
03/06/08	102

Ann Arbor Cleaning Supply Well	
Date	1,4 Dioxane ug/L
04/03/08	92
05/01/08	94
06/05/08	98
07/10/08	101
08/07/08	92
09/04/08	84
10/02/08	91
11/05/08	105
12/09/08	101
01/13/09	97
02/05/09	97
03/05/09	98

Ann Arbor Cleaning Supply Well	
Date	1,4 Dioxane ug/L
04/02/09	98
05/07/09	100
06/04/09	93
07/09/09	96
08/06/09	105
09/03/09	100
10/01/09	91
11/05/09	90
12/03/09	71
01/07/10	93
02/04/10	89
03/04/10	87

Ann Arbor Cleaning Supply Well	
Date	1,4 Dioxane ug/L
04/01/10	88
05/06/10	87
06/10/10	89
07/08/10	99
08/05/10	98
09/13/10	83
10/07/10	112
11/09/10	88
12/02/10	103

TABLE #8

INDIVIDUAL PURGE WELL CONCENTRATIONS

SAMPLE ID	1,4-DIOXANE (ppb)
AE-3-12-06-10-11:30	129
HZ-S-12-06-10-10:15	967
LB-1-12-06-10-11:25	542
LB-3-12-06-10-11:28	519
PW-1-12-06-10-08:53	1,302
SW-COMB-12-06-10-08:47	576
TW-1-12-06-10-08:51	130
DOLPH-12-06-10-09:50	84
TW-5-12-06-10-10:50	963
TW-8-12-06-10-10:30	541
TW-9-12-06-10-10:10	1,029
TW-10-12-06-10-09:55	806
TW-11-12-06-10-11:52	217
TW-13-12-07-10-14:30	736
TW-14-12-06-10-10:07	123
TW-17-12-06-10-10:03	84
TW-18-12-06-10-08:55	361
TW-20-12-06-10-10:00	1,438
TW-21-12-06-10-11:45	278

RED POND DATA

Month of: Dec-10

Date	Time	Notes	Red Pond				
			Pond	Level	Aeration	Influent	Influent
			Visual Chk	Feet	Hours	Hours	GPM
Wed-12/1/10	03:05:00		Y	4.2	-	24.00	1,138
Thu-12/2/10	03:00:00		Y	4.4	-	24.00	1,137
Fri-12/3/10	03:00:01		Y	5.0	-	24.00	1,129
Sat-12/4/10	03:00:00	(1)		5.1	-	24.00	1,127
Sun-12/5/10	03:00:00	(1)		5.1	-	24.00	1,127
Mon-12/6/10	03:00:00		Y	5.2	-	24.00	1,119
Tue-12/7/10	03:00:00		Y	5.1	-	24.00	1,120
Wed-12/8/10	03:00:00		Y	5.0	-	24.00	1,125
Thu-12/9/10	03:00:00		Y	5.1	-	24.00	1,123
Fri-12/10/10	03:00:00		Y	5.1	-	24.00	1,122
Sat-12/11/10	03:00:00	(1)		5.1	-	24.00	1,121
Sun-12/12/10	03:00:00	(1)		5.1	-	24.00	1,047
Mon-12/13/10	03:00:00		Y	6.9	-	24.00	1,059
Tue-12/14/10	03:00:00		Y	6.1	-	24.00	1,077
Wed-12/15/10	03:00:00		Y	5.5	-	24.00	1,107
Thu-12/16/10	03:00:00		Y	5.1	-	24.00	1,109
Fri-12/17/10	03:00:00		Y	5.0	-	24.00	1,117
Sat-12/18/10	03:00:00	(1)		5.0	-	24.00	1,119
Sun-12/19/10	03:00:00	(1)		4.9	-	24.00	1,119
Mon-12/20/10	03:00:00		Y	4.8	-	24.00	1,127
Tue-12/21/10	03:00:01		Y	4.9	-	24.00	1,129
Wed-12/22/10	03:00:00		Y	5.0	-	24.00	1,129
Thu-12/23/10	03:00:00		Y	5.0	-	24.00	1,115
Fri-12/24/10	03:00:00		Y	4.9	-	24.00	1,120
Sat-12/25/10	03:00:00	(1)		4.9	-	24.00	1,120
Sun-12/26/10	03:00:00	(1)		5.0	-	24.00	1,120
Mon-12/27/10	03:00:00		Y	5.0	-	24.00	1,120
Tue-12/28/10	03:00:00		Y	5.3	-	24.00	1,120
Wed-12/29/10	03:00:00		Y	5.4	-	24.00	1,120
Thu-12/30/10	03:00:00		Y	5.6	-	24.00	1,121
Fri-12/31/10	03:00:00		Y	5.7	-	24.00	1,121
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	1,4-DIOXANE (ppb)
Red Pond-12-06-10-08:45	343
Red Pond-12-13-10-08:15	437
Red Pond-12-20-10-08:30	545
Red Pond-12-27-10-14:45	436

OZONE OPERATION REPORT

Month of: Dec-10

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
Wed-12/1/10	03:07:00		370	24.00	370	24.00	370	24.00	0	0.00
Thu-12/2/10	03:00:00		370	24.00	370	24.00	370	24.00	0	0.00
Fri-12/3/10	03:00:01		370	24.00	370	24.00	370	24.00	0	0.00
Sat-12/4/10	03:00:00	(1)	370	24.00	370	24.00	370	24.00	0	0.00
Sun-12/5/10	03:00:00	(1)	370	24.00	371	24.00	371	24.00	0	0.00
Mon-12/6/10	03:00:00		369	24.00	370	24.00	370	24.00	0	0.00
Tue-12/7/10	03:00:00		370	24.00	370	24.00	370	24.00	0	0.00
Wed-12/8/10	03:00:00		370	24.00	370	24.00	371	24.00	0	0.00
Thu-12/9/10	03:00:00		370	24.00	370	24.00	370	24.00	0	0.00
Fri-12/10/10	03:00:00		370	24.00	370	24.00	371	24.00	0	0.00
Sat-12/11/10	03:00:00	(1)	369	24.00	370	24.00	370	24.00	0	0.00
Sun-12/12/10	03:00:00	(1)	369	19.75	370	19.73	370	20.12	0	0.00
Mon-12/13/10	03:00:00		370	24.00	370	24.00	370	24.00	0	0.00
Tue-12/14/10	03:00:00		369	24.00	370	24.00	371	24.00	0	0.00
Wed-12/15/10	03:00:00		370	24.00	370	24.00	370	24.00	0	0.00
Thu-12/16/10	03:00:00		370	24.00	370	24.00	372	24.00	0	0.00
Fri-12/17/10	03:00:00		370	24.00	370	24.00	371	24.00	0	0.00
Sat-12/18/10	03:00:00	(1)	370	24.00	371	24.00	370	24.00	0	0.00
Sun-12/19/10	03:00:00	(1)	370	24.00	370	24.00	370	24.00	0	0.00
Mon-12/20/10	03:00:00		370	24.00	370	24.00	370	24.00	0	0.00
Tue-12/21/10	03:00:01		370	24.00	370	24.00	370	23.97	0	0.00
Wed-12/22/10	03:00:00		370	24.00	370	24.00	370	24.00	0	0.00
Thu-12/23/10	03:00:00		369	24.00	370	24.00	369	24.00	0	0.00
Fri-12/24/10	03:00:00		370	24.00	370	24.00	370	24.00	0	0.00
Sat-12/25/10	03:00:00	(1)	369	24.00	370	24.00	371	24.00	0	0.00
Sun-12/26/10	03:00:00	(1)	370	24.00	369	24.00	370	24.00	0	0.00
Mon-12/27/10	03:00:00		370	24.00	370	23.50	368	23.42	0	0.00
Tue-12/28/10	03:00:00		370	24.00	370	24.00	371	24.00	0	0.00
Wed-12/29/10	03:00:00		369	24.00	370	24.00	370	24.00	0	0.00
Thu-12/30/10	03:00:00		370	24.00	369	24.00	371	24.00	0	0.00
Fri-12/31/10	03:00:00		370	24.00	371	24.00	370	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.

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

TABLE #12

GREEN POND / DISCHARGE DATA

Month of: Dec-10

Date	Time	Notes	Green Pond																				
			Pond			Aeration			Influent			Pond Discharge			Bypass Discharge			Recirc Thru UV to Pond			Recirc Thru UV to Disch		
			Visual Chk	Level Feet	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				
Wed-12/1/10	03:05:00		Y	-	-							1,147	1,651,042	24.00	-	-	-	-	-	-			
Thu-12/2/10	03:00:00		Y	-	-							1,147	1,651,150	24.00	-	-	-	-	-	-			
Fri-12/3/10	03:00:01		Y	-	-							1,147	1,651,173	24.00	-	-	-	-	-	-			
Sat-12/4/10	03:00:00	(1)		-	-							1,146	1,650,913	24.00	-	-	-	-	-	-			
Sun-12/5/10	03:00:00	(1)		-	-							1,147	1,651,298	24.00	-	-	-	-	-	-			
Mon-12/6/10	03:00:00		Y	-	-							1,147	1,651,814	24.00	-	-	-	-	-	-			
Tue-12/7/10	03:00:00		Y	-	-							1,147	1,652,062	24.00	-	-	-	-	-	-			
Wed-12/8/10	03:00:00		Y	-	-							1,147	1,652,272	24.00	-	-	-	-	-	-			
Thu-12/9/10	03:00:00		Y	-	-							1,146	1,650,177	24.00	-	-	-	-	-	-			
Fri-12/10/10	03:00:00		Y	-	-							1,146	1,649,624	24.00	-	-	-	-	-	-			
Sat-12/11/10	03:00:00	(1)		-	-							1,147	1,651,218	24.00	-	-	-	-	-	-			
Sun-12/12/10	03:00:00	(1)		-	-							1,139	1,346,841	19.70	-	-	-	-	-	-			
Mon-12/13/10	03:00:00		Y	-	-							1,141	1,643,108	24.00	-	-	-	-	-	-			
Tue-12/14/10	03:00:00		Y	-	-							1,141	1,643,416	24.00	-	-	-	-	-	-			
Wed-12/15/10	03:00:00		Y	-	-							1,142	1,644,123	24.00	-	-	-	-	-	-			
Thu-12/16/10	03:00:00		Y	-	-							1,142	1,644,744	24.00	-	-	-	-	-	-			
Fri-12/17/10	03:00:00		Y	-	-							1,142	1,644,798	24.00	-	-	-	-	-	-			
Sat-12/18/10	03:00:00	(1)		-	-							1,143	1,645,213	24.00	-	-	-	-	-	-			
Sun-12/19/10	03:00:00	(1)		-	-							1,143	1,645,469	24.00	-	-	-	-	-	-			
Mon-12/20/10	03:00:00		Y	-	-							1,143	1,645,513	24.00	-	-	-	-	-	-			
Tue-12/21/10	03:00:01		Y	-	-							1,142	1,644,114	24.00	-	-	-	-	-	-			
Wed-12/22/10	03:00:00		Y	-	-							1,143	1,645,834	24.00	-	-	-	-	-	-			
Thu-12/23/10	03:00:00		Y	-	-							1,143	1,645,580	24.00	-	-	-	-	-	-			
Fri-12/24/10	03:00:00		Y	-	-							1,143	1,646,043	24.00	-	-	-	-	-	-			
Sat-12/25/10	03:00:00	(1)		-	-							1,143	1,646,491	24.00	-	-	-	-	-	-			
Sun-12/26/10	03:00:00	(1)		-	-							1,143	1,646,453	24.00	-	-	-	-	-	-			
Mon-12/27/10	03:00:00		Y	-	-							1,123	1,617,261	24.00	-	-	-	-	-	-			
Tue-12/28/10	03:00:00		Y	-	-							1,144	1,646,982	24.00	-	-	-	-	-	-			
Wed-12/29/10	03:00:00		Y	-	-							1,144	1,646,966	24.00	-	-	-	-	-	-			
Thu-12/30/10	03:00:00		Y	-	-							1,144	1,646,932	24.00	-	-	-	-	-	-			
Fri-12/31/10	03:00:00		Y	-	-							1,144	1,646,958	24.00	-	-	-	-	-	-			
TOTALS													50,745,582	740									

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.

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

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. STAGE CODE	001A 1	001A G	001A 1	001A 1	001A 1	001A 1	001A 1	001A 1	001A 1
UNIT	MGD	mg/l	ug/l	ug/l	yes/no	yes/no	S.U.	ug/l	mg/l
12/1/2010	1.651		3	100	yes	no	6.6	5	
12/2/2010	1.651		4	0	no	yes	6.6	7	21
12/3/2010	1.651			0	no	no	6.6		
12/4/2010	1.651								
12/5/2010	1.651		4					6	
12/6/2010	1.652	0.343	4	0	yes	yes	6.6	6	20
12/7/2010	1.652		4	0	no	no	6.6	6	
12/8/2010	1.652		4	0	no	no	6.6	5	
12/9/2010	1.650		4	100	no	yes	6.6	0	27
12/10/2010	1.650			0	no	no	6.6		
12/11/2010	1.651								
12/12/2010	1.347		4					5	
12/13/2010	1.643	0.436	4	0	yes	yes	6.6	5	20
12/14/2010	1.643		4	100	no	no	6.6	6	
12/15/2010	1.644		4	0	no	no	6.6	5	
12/16/2010	1.645		4	100	no	yes	6.6	5	32
12/17/2010	1.645			0	no	no	6.6		
12/18/2010	1.645								
12/19/2010	1.645		4					0	
12/20/2010	1.646	0.545	4	0	yes	yes	6.6	5	29
12/21/2010	1.644		4	0	no	no	6.6	5	
12/22/2010	1.646		5	0	no	no	6.6	5	
12/23/2010	1.646		5	100	no	yes	6.6	0	38
12/24/2010	1.646								
12/25/2010	1.646								
12/26/2010	1.646		4					5	
12/27/2010	1.617	0.436	5	100	yes	yes	6.6	0	18
12/28/2010	1.647		5	0	no	no	6.6	5	
12/29/2010	1.647		4	100	no	no	6.6	0	38
12/30/2010	1.647		4	100	no	yes	6.6	5	
12/31/2010	1.647								
Discharged (mg)	50.746								
Monthly Avg			4					4	

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