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MDEQ - RRD
JACKSON DISTRICT OFFICE

EXTRACTION DATA

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UNIT D2 UPGRADIENT EXTRACTION DATA

Month of: Sep-11

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
Thu-9/1/11	86,480	60	24.00	117,097	81	24.00	180,381	125	24.00	267	383,958
Fri-9/2/11	86,440	60	24.00	116,758	81	24.00	180,418	125	24.00	266	383,616
Sat-9/3/11	86,471	60	24.00	116,926	81	24.00	180,381	125	24.00	267	383,778
Sun-9/4/11	86,500	60	24.00	116,513	81	24.00	180,261	125	24.00	266	383,274
Mon-9/5/11	86,525	60	24.00	116,770	81	24.00	180,149	125	24.00	266	383,444
Tue-9/6/11	86,569	60	24.00	116,677	81	24.00	166,495	116	24.00	257	369,741
Wed-9/7/11	86,378	60	24.00	116,701	81	24.00	151,321	105	24.00	246	354,400
Thu-9/8/11	86,397	60	24.00	116,688	81	24.00	172,662	120	23.95	261	375,747
Fri-9/9/11	86,336	60	24.00	115,424	80	24.00	168,845	117	24.00	257	370,605
Sat-9/10/11	86,316	60	24.00	116,397	81	24.00	165,820	115	24.00	256	368,533
Sun-9/11/11	86,311	60	24.00	116,252	81	24.00	165,137	115	23.90	255	367,700
Mon-9/12/11	86,316	60	24.00	116,016	81	24.00	165,882	115	24.00	256	368,214
Tue-9/13/11	86,591	60	24.00	115,843	80	24.00	165,543	115	24.00	256	367,977
Wed-9/14/11	86,559	60	24.00	116,034	81	24.00	165,767	115	23.95	256	368,360
Thu-9/15/11	86,390	60	24.00	115,839	80	24.00	177,107	123	24.00	263	379,336
Fri-9/16/11	86,383	60	24.00	115,991	81	24.00	180,116	125	24.00	266	382,490
Sat-9/17/11	86,417	60	24.00	117,642	82	24.00	180,144	125	24.00	267	384,203
Sun-9/18/11	86,630	60	24.00	116,140	81	24.00	180,190	125	24.00	266	382,960
Mon-9/19/11	86,664	60	24.00	116,238	81	24.00	180,189	125	24.00	266	383,091
Tue-9/20/11	86,539	60	24.00	115,923	81	24.00	180,228	125	24.00	266	382,690
Wed-9/21/11	47,285	60	13.15	104,610	80	21.82	98,879	125	13.22	174	250,774
Thu-9/22/11	86,537	60	24.00	112,288	78	24.00	180,194	125	24.00	263	379,019
Fri-9/23/11	86,532	60	24.00	114,238	79	24.00	180,126	125	24.00	265	380,896
Sat-9/24/11	86,700	60	24.00	115,112	80	24.00	180,146	125	24.00	265	381,958
Sun-9/25/11	86,668	60	24.00	114,318	79	24.00	180,204	125	24.00	265	381,190
Mon-9/26/11	86,403	60	24.00	114,240	79	24.00	180,176	125	24.00	264	380,819
Tue-9/27/11	86,408	60	24.00	113,918	79	24.00	180,145	125	24.00	264	380,471
Wed-9/28/11	86,448	60	24.00	113,810	79	24.00	180,125	125	24.00	264	380,383
Thu-9/29/11	86,235	60	24.00	113,680	79	24.00	180,123	125	24.00	264	380,038
Fri-9/30/11	86,468	60	24.00	113,568	79	24.00	180,063	125	24.00	264	380,099
TOTALS	2,554,896	60	709.15	3,457,651	80	717.82	5,187,217	122	709.02	259	11,199,764

TOTAL VOLUME EXTRACTED :	11,199,764 GALLONS
DAYS IN MONTH :	30 DAYS
MONTHLY AVERAGE FLOW RATE :	259.25 GPM

09/21/11 - TW-5, TW-9, and TW-21 were shut down due to a DTE power failure.

UNIT D2 DOWNGRADE EXTRACTION DATA

Month of: **Sep-11**

Date	LB-1			LB-3			Daily	Daily
	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.	Flow GPM	Total Gallons
Thu-9/1/11	86,465	60	24.00	57,710	40	24.00	100	144,175
Fri-9/2/11	86,456	60	23.98	57,719	40	24.00	100	144,175
Sat-9/3/11	83,385	58	24.00	51,160	40	21.50	93	134,545
Sun-9/4/11	86,477	60	24.00	57,859	40	23.98	100	144,336
Mon-9/5/11	86,485	60	24.00	57,676	40	24.00	100	144,161
Tue-9/6/11	86,493	60	24.00	57,826	40	24.00	100	144,319
Wed-9/7/11	86,484	60	24.00	57,656	40	24.00	100	144,140
Thu-9/8/11	86,491	60	24.00	57,301	40	24.00	100	143,792
Fri-9/9/11	86,476	60	23.98	57,447	40	24.00	100	143,923
Sat-9/10/11	86,478	60	24.00	57,417	40	24.00	100	143,895
Sun-9/11/11	86,467	60	24.00	57,669	40	23.98	100	144,136
Mon-9/12/11	86,468	60	24.00	57,824	40	24.00	100	144,292
Tue-9/13/11	86,458	60	24.00	57,746	40	24.00	100	144,204
Wed-9/14/11	86,476	60	24.00	57,713	40	24.00	100	144,189
Thu-9/15/11	86,493	60	24.00	55,504	40	23.12	99	141,997
Fri-9/16/11	86,495	60	23.98	57,754	40	24.00	100	144,249
Sat-9/17/11	86,496	60	24.00	57,706	40	24.00	100	144,202
Sun-9/18/11	86,496	60	24.00	57,583	40	24.00	100	144,079
Mon-9/19/11	86,496	60	24.00	57,740	40	23.98	100	144,236
Tue-9/20/11	86,487	60	24.00	57,532	40	24.00	100	144,019
Wed-9/21/11	77,261	60	21.43	57,644	40	24.00	94	134,905
Thu-9/22/11	86,488	60	24.00	57,472	40	24.00	100	143,960
Fri-9/23/11	86,485	60	24.00	57,541	40	24.00	100	144,026
Sat-9/24/11	86,491	60	24.00	57,790	40	24.00	100	144,281
Sun-9/25/11	86,485	60	24.00	57,781	40	23.98	100	144,266
Mon-9/26/11	86,483	60	24.00	57,675	40	24.00	100	144,158
Tue-9/27/11	86,495	60	24.00	57,212	40	24.00	100	143,707
Wed-9/28/11	86,492	60	23.98	57,318	40	24.00	100	143,810
Thu-9/29/11	86,483	60	24.00	57,202	40	24.00	100	143,685
Fri-9/30/11	85,626	60	23.77	56,479	40	23.57	99	142,105
TOTALS	2,581,311	60	717.12	1,718,656	40	716.11	100	4,299,967

TOTAL VOLUME EXTRACTED :	4,299,967 GALLONS
DAYS IN MONTH :	30 DAYS
MONTHLY AVERAGE FLOW RATE :	99.54 GPM

09/03/11 - LB-3 was shut down briefly due to a DTE power failure.

09/21/11 - LB-1 was shut down due to a DTE power failure.

CORE AREA EXTRACTION DATA

Month of: Sep-11

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
Thu-9/1/11	39,670	28	24.00	129,550	90	24.00	72,081	50	24.00	168	241,301
Fri-9/2/11	39,575	27	24.00	129,598	90	24.00	72,083	50	24.00	168	241,256
Sat-9/3/11	39,651	28	24.00	129,835	90	24.00	72,089	50	24.00	168	241,575
Sun-9/4/11	39,749	28	24.00	129,598	90	24.00	72,089	50	24.00	168	241,436
Mon-9/5/11	39,715	28	24.00	129,450	90	24.00	42,311	50	14.08	147	211,476
Tue-9/6/11	39,809	28	24.00	130,011	90	24.00	-	-	-	118	169,820
Wed-9/7/11	39,817	28	24.00	130,334	91	24.00	40,235	51	13.18	146	210,386
Thu-9/8/11	39,868	28	24.00	130,359	91	24.00	72,121	50	24.00	168	242,348
Fri-9/9/11	39,938	28	24.00	129,564	90	24.00	72,111	50	24.00	168	241,613
Sat-9/10/11	39,944	28	24.00	129,626	90	24.00	72,125	50	24.00	168	241,695
Sun-9/11/11	39,981	28	24.00	129,711	90	24.00	72,096	50	24.00	168	241,788
Mon-9/12/11	39,996	28	24.00	129,571	90	24.00	72,086	50	24.00	168	241,653
Tue-9/13/11	39,961	28	24.00	129,974	90	24.00	72,111	50	24.00	168	242,046
Wed-9/14/11	39,940	28	24.00	129,134	90	24.00	72,094	50	24.00	167	241,168
Thu-9/15/11	39,977	28	24.00	129,239	90	24.00	73,169	51	24.00	168	242,385
Fri-9/16/11	40,064	28	24.00	129,211	90	24.00	73,530	51	24.00	169	242,805
Sat-9/17/11	40,135	28	24.00	129,302	90	24.00	73,543	51	24.00	169	242,980
Sun-9/18/11	40,154	28	24.00	129,400	90	24.00	73,530	51	24.00	169	243,084
Mon-9/19/11	40,140	28	24.00	129,565	90	24.00	73,539	51	24.00	169	243,244
Tue-9/20/11	39,571	27	24.00	129,601	90	24.00	73,534	51	24.00	169	242,706
Wed-9/21/11	38,599	27	24.00	70,800	90	13.15	40,304	51	13.17	104	149,703
Thu-9/22/11	38,428	27	24.00	129,624	90	24.00	73,530	51	24.00	168	241,582
Fri-9/23/11	38,557	27	24.00	130,026	90	24.00	73,503	51	24.00	168	242,086
Sat-9/24/11	38,597	27	24.00	129,864	90	24.00	73,473	51	24.00	168	241,934
Sun-9/25/11	38,892	27	24.00	130,005	90	24.00	73,524	51	24.00	168	242,421
Mon-9/26/11	38,892	27	24.00	130,105	90	24.00	73,532	51	24.00	168	242,529
Tue-9/27/11	38,327	27	24.00	130,253	90	24.00	73,553	51	24.00	168	242,133
Wed-9/28/11	37,645	26	24.00	130,126	90	24.00	73,547	51	24.00	168	241,318
Thu-9/29/11	37,678	26	24.00	129,109	90	24.00	73,538	51	24.00	167	240,325
Fri-9/30/11	37,635	26	24.00	129,581	90	24.00	73,520	51	24.00	167	240,736
TOTALS	1,180,905	27	720.00	3,832,126	90	709.15	2,018,501	51	664.43	163	7,031,532

TOTAL VOLUME EXTRACTED :	7,031,532 GALLONS
DAYS IN MONTH :	30 DAYS
MONTHLY AVERAGE FLOW RATE :	162.77 GPM

09/05/11 - 09/07/11 - TW-20 was shut down for maintenance.
 09/21/11 - TW-10 and TW-20 were shut down due to a DTE power failure.

MARSHY AREA EXTRACTION DATA

Month of: Sep-11

Marshy Well Extraction				Daily	Daily
Date	PW-1			Flow	Total
	Gallons	GPM	Run Hrs.	GPM	Gallons
Thu-9/1/11	3,497	4	15.33	2	3,497
Fri-9/2/11	4,750	5	16.60	3	4,750
Sat-9/3/11	5,767	5	17.60	4	5,767
Sun-9/4/11	5,570	5	16.90	4	5,570
Mon-9/5/11	-	-	-	-	-
Tue-9/6/11	3,745	4	14.63	3	3,745
Wed-9/7/11	5,924	4	24.00	4	5,924
Thu-9/8/11	5,822	4	24.00	4	5,822
Fri-9/9/11	5,826	4	24.00	4	5,826
Sat-9/10/11	6,311	4	24.00	4	6,311
Sun-9/11/11	6,265	4	24.00	4	6,265
Mon-9/12/11	6,255	4	24.00	4	6,255
Tue-9/13/11	6,242	4	24.00	4	6,242
Wed-9/14/11	6,273	4	24.00	4	6,273
Thu-9/15/11	6,306	4	24.00	4	6,306
Fri-9/16/11	6,315	4	24.00	4	6,315
Sat-9/17/11	6,299	4	24.00	4	6,299
Sun-9/18/11	6,257	4	24.00	4	6,257
Mon-9/19/11	6,215	4	24.00	4	6,215
Tue-9/20/11	6,131	4	24.00	4	6,131
Wed-9/21/11	6,028	4	24.00	4	6,028
Thu-9/22/11	5,932	4	24.00	4	5,932
Fri-9/23/11	6,464	4	24.00	4	6,464
Sat-9/24/11	6,579	5	24.00	5	6,579
Sun-9/25/11	6,441	4	24.00	4	6,441
Mon-9/26/11	6,416	4	24.00	4	6,416
Tue-9/27/11	6,362	4	24.00	4	6,362
Wed-9/28/11	6,327	4	24.00	4	6,327
Thu-9/29/11	6,383	4	24.00	4	6,383
Fri-9/30/11	6,527	5	24.00	5	6,527
TOTALS	173,229	4	657.07	4	173,229

TOTAL VOLUME EXTRACTED :	173,229 GALLONS
DAYS IN MONTH :	30 DAYS
MONTHLY AVERAGE FLOW RATE :	4.01 GPM

09/01/11-09/06/11 - PW-1 was shut down for maintenance.

SOUTHWEST AREA EXTRACTION DATA

Month of: Sep-11

South West Well Extraction				Daily	Daily
Date	ACTIVE WELLS			Flow	Total
	Gallons	GPM	Run Hrs.	GPM	Gallons
Thu-9/1/11	53,653	37	24.00	37	53,653
Fri-9/2/11	53,617	37	24.00	37	53,617
Sat-9/3/11	53,609	37	24.00	37	53,609
Sun-9/4/11	53,631	37	24.00	37	53,631
Mon-9/5/11	53,721	37	24.00	37	53,721
Tue-9/6/11	53,687	37	24.00	37	53,687
Wed-9/7/11	53,692	37	24.00	37	53,692
Thu-9/8/11	53,653	37	24.00	37	53,653
Fri-9/9/11	53,692	37	24.00	37	53,692
Sat-9/10/11	53,645	37	24.00	37	53,645
Sun-9/11/11	53,658	37	24.00	37	53,658
Mon-9/12/11	53,731	37	24.00	37	53,731
Tue-9/13/11	53,757	37	24.00	37	53,757
Wed-9/14/11	53,719	37	24.00	37	53,719
Thu-9/15/11	53,706	37	24.00	37	53,706
Fri-9/16/11	53,698	37	24.00	37	53,698
Sat-9/17/11	53,671	37	24.00	37	53,671
Sun-9/18/11	53,672	37	24.00	37	53,672
Mon-9/19/11	53,715	37	24.00	37	53,715
Tue-9/20/11	53,633	37	24.00	37	53,633
Wed-9/21/11	29,433	37	13.17	20	29,433
Thu-9/22/11	53,588	37	24.00	37	53,588
Fri-9/23/11	53,575	37	24.00	37	53,575
Sat-9/24/11	53,515	37	24.00	37	53,515
Sun-9/25/11	53,499	37	24.00	37	53,499
Mon-9/26/11	53,526	37	24.00	37	53,526
Tue-9/27/11	53,455	37	24.00	37	53,455
Wed-9/28/11	53,418	37	24.00	37	53,418
Thu-9/29/11	53,540	37	24.00	37	53,540
Fri-9/30/11	53,481	37	24.00	37	53,481
TOTALS	1,584,590	37	709.17	37	1,584,590

TOTAL VOLUME EXTRACTED :	1,584,590 GALLONS
DAYS IN MONTH :	30 DAYS
MONTHLY AVERAGE FLOW RATE :	36.68 GPM

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

09/21/11 - SW Extraction was shut down due to a DTE power failure.

UNIT "E" EXTRACTION DATA

Month of: Sep-11

Date	TW-11			TW-18			Daily	Daily
	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.	Flow GPM	Total Gallons
Thu-9/1/11	53,192	37	24.00	183,039	127	24.00	164	236,231
Fri-9/2/11	53,158	37	24.00	183,039	127	24.00	164	236,197
Sat-9/3/11	53,238	37	24.00	183,079	127	24.00	164	236,317
Sun-9/4/11	54,581	38	24.00	183,086	127	24.00	165	237,667
Mon-9/5/11	54,594	38	24.00	183,057	127	24.00	165	237,651
Tue-9/6/11	54,751	38	24.00	170,408	118	24.00	156	225,159
Wed-9/7/11	54,612	38	24.00	153,823	107	24.00	145	208,435
Thu-9/8/11	54,627	38	24.00	174,199	121	23.95	159	228,826
Fri-9/9/11	54,568	38	24.00	172,066	119	24.00	157	226,634
Sat-9/10/11	55,102	38	24.00	168,413	117	24.00	155	223,515
Sun-9/11/11	55,139	38	24.00	167,774	117	23.90	155	222,913
Mon-9/12/11	55,562	39	24.00	168,372	117	24.00	156	223,934
Tue-9/13/11	55,421	38	24.00	168,383	117	24.00	155	223,804
Wed-9/14/11	55,386	38	24.00	168,226	117	23.95	155	223,612
Thu-9/15/11	55,557	39	24.00	179,336	125	24.00	163	234,893
Fri-9/16/11	55,563	39	24.00	182,985	127	24.00	166	238,548
Sat-9/17/11	55,612	39	24.00	182,985	127	24.00	166	238,597
Sun-9/18/11	55,647	39	24.00	182,957	127	24.00	166	238,604
Mon-9/19/11	55,549	39	24.00	182,970	127	24.00	166	238,519
Tue-9/20/11	55,508	39	24.00	182,937	127	24.00	166	238,445
Wed-9/21/11	46,037	35	21.82	100,526	127	13.22	102	146,563
Thu-9/22/11	47,167	33	24.00	182,981	127	24.00	160	230,148
Fri-9/23/11	52,324	36	24.00	182,966	127	24.00	163	235,290
Sat-9/24/11	54,793	38	24.00	182,954	127	24.00	165	237,747
Sun-9/25/11	54,240	38	24.00	182,942	127	24.00	165	237,182
Mon-9/26/11	53,218	37	24.00	182,946	127	24.00	164	236,164
Tue-9/27/11	52,893	37	24.00	182,958	127	24.00	164	235,851
Wed-9/28/11	52,801	37	24.00	182,947	127	24.00	164	235,748
Thu-9/29/11	52,499	36	24.00	182,938	127	24.00	163	235,437
Fri-9/30/11	52,498	36	24.00	182,928	127	24.00	163	235,426
TOTALS	1,615,837	38	717.82	5,268,220	124	709.02	159	6,884,057

TOTAL VOLUME EXTRACTED :	6,884,057 GALLONS
DAYS IN MONTH :	30 DAYS
MONTHLY AVERAGE FLOW RATE :	159.35 GPM

09/21/11 - TW-11 & TW-18 were shut down due to a DTE power failure.

TABLE #7
Little Lake Area System Purging

Date	Gallons Purged
9/1/2011	36,000

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

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

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

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

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

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

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

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
01/26/11	40
04/12/11	23
08/05/11	46

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
05/11/04	160

Ann Arbor Cleaning Supply Well	
Date	1,4 Dioxane ug/L
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
05/13/05	135
06/27/05	128

Ann Arbor Cleaning Supply Well	
Date	1,4 Dioxane ug/L
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
05/04/06	122
06/01/06	117
07/07/06	116

Ann Arbor Cleaning Supply Well	
Date	1,4 Dioxane ug/L
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
05/03/07	104
06/07/07	112
07/12/07	116
08/07/07	109

Ann Arbor Cleaning Supply Well	
Date	1,4 Dioxane ug/L
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
04/03/08	92
05/01/08	94
06/05/08	98
07/10/08	101
08/07/08	92

Ann Arbor Cleaning Supply Well	
Date	1,4 Dioxane ug/L
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
04/02/09	98
05/07/09	100
06/04/09	93
07/09/09	96
08/06/09	105
09/03/09	100

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

Ann Arbor Cleaning Supply Well	
Date	1,4 Dioxane ug/L
11/09/10	88
12/02/10	103
01/06/11	93
02/10/11	106
03/03/11	94
04/07/11	103
05/05/11	107
06/02/11	97
08/05/11	42
09/01/11	88

TABLE #8

INDIVIDUAL PURGE WELL CONCENTRATIONS

SAMPLE ID	Date Sampled	1,4-DIOXANE (ppb)
DOLPH-09-12-11-08:04-1	9/12/11	54
TW-10-09-12-11-11:35-1	9/12/11	561
TW-20-09-12-11-11:30-1	9/12/11	1019
TW-6-09-29-11-11:45-1	9/12/11	52
LB-1-09-12-11-09:00-1	9/12/11	541
LB-3-09-12-11-09:02-1	9/12/11	471
TW-21-09-12-11-11:50-1	9/12/11	140
TW-5-09-12-11-12:00-1	9/12/11	730
TW-9-09-12-11-11:40-1	9/12/11	792
TW-11-09-12-11-12:02-1	9/12/11	187
TW-18-09-12-11-08:06-1	9/12/11	300
PW-1-09-12-11-08:08-1	9/12/11	749
SW-COMB-09-12-11-08:02-1	9/12/11	376
TW-22-09-12-11-12:20-1	9/12/11	600
TW-8-09-12-11-12:20-1	9/12/11	432

RED POND DATA

Month of: Sep-11

Date	Time	Notes	Red Pond				
			Pond	Level	Aeration	Influent	Influent
			Visual Chk	Feet	Hours	Hours	GPM
Thu-9/1/11	3:05		Y	4.9	-	24.00	738
Fri-9/2/11	3:00		Y	4.9	-	24.00	739
Sat-9/3/11	3:00	(1)		5.0	-	24.00	733
Sun-9/4/11	3:00	(1)		5.9	-	24.00	740
Mon-9/5/11	3:00		Y	5.9	-	24.00	716
Tue-9/6/11	3:00		Y	6.2	-	24.00	671
Wed-9/7/11	3:00		Y	6.5	-	24.00	678
Thu-9/8/11	3:00		Y	6.2	-	24.00	729
Fri-9/9/11	3:00		Y	6.3	-	24.00	724
Sat-9/10/11	3:00	(1)		6.1	-	24.00	721
Sun-9/11/11	3:00	(1)		6.0	-	24.00	720
Mon-9/12/11	3:00		Y	5.7	-	24.00	721
Tue-9/13/11	3:00		Y	5.5	-	24.00	721
Wed-9/14/11	3:00		Y	5.3	-	24.00	720
Thu-9/15/11	3:00		Y	5.1	-	24.00	735
Fri-9/16/11	3:00		Y	5.4	-	24.00	742
Sat-9/17/11	3:00	(1)		5.4	-	24.00	743
Sun-9/18/11	3:00	(1)		5.5	-	24.00	742
Mon-9/19/11	3:00		Y	5.5	-	24.00	742
Tue-9/20/11	3:00		Y	5.8	-	24.00	741
Wed-9/21/11	3:00		Y	5.7	-	24.00	498
Thu-9/22/11	3:00		Y	5.8	-	24.00	732
Fri-9/23/11	3:00		Y	5.7	-	24.00	738
Sat-9/24/11	3:00	(1)		5.7	-	24.00	740
Sun-9/25/11	3:00	(1)		5.8	-	24.00	740
Mon-9/26/11	3:00		Y	5.8	-	24.00	739
Tue-9/27/11	3:00		Y	5.9	-	24.00	737
Wed-9/28/11	3:00		Y	5.9	-	24.00	737
Thu-9/29/11	3:00		Y	5.9	-	24.00	736
Fri-9/30/11	3:00		Y	5.9	-	24.00	735
TOTALS			-	-	-	720	

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-09-06-11-07:55-1	9/6/2011	443
Red Pond-09-12-11-08:00-1	9/12/2011	493
Red Pond-09-19-11-08:20-1	9/19/2011	398
Red Pond-09-26-11-08:30-1	9/26/2011	228

OZONE OPERATION REPORT

Month of: Sep-11

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
Thu-9/1/11	3:07 AM		360	24.00	0	0.00	362	24.00	0	0.00
Fri-9/2/11	3:00 AM		360	24.00	0	0.00	360	24.00	0	0.00
Sat-9/3/11	3:00 AM	(1)	360	21.97	0	0.00	359	21.80	0	0.00
Sun-9/4/11	3:00 AM	(1)	360	24.00	0	0.00	360	24.00	0	0.00
Mon-9/5/11	3:00 AM		360	24.00	0	0.00	360	24.00	0	0.00
Tue-9/6/11	3:00 AM		360	24.00	0	0.00	360	24.00	0	0.00
Wed-9/7/11	3:00 AM		360	24.00	0	0.00	360	24.00	0	0.00
Thu-9/8/11	3:00 AM		360	24.00	0	0.00	360	24.00	0	0.00
Fri-9/9/11	3:00 AM		360	23.98	0	0.00	360	23.97	0	0.00
Sat-9/10/11	3:00 AM	(1)	360	24.00	0	0.00	360	24.00	0	0.00
Sun-9/11/11	3:00 AM	(1)	360	24.00	0	0.00	360	24.00	0	0.00
Mon-9/12/11	3:00 AM		360	24.00	0	0.00	360	24.00	0	0.00
Tue-9/13/11	3:00 AM		360	24.00	0	0.00	360	24.00	0	0.00
Wed-9/14/11	3:00 AM		360	24.00	0	0.00	361	24.00	0	0.00
Thu-9/15/11	3:00 AM		359	23.52	0	0.00	360	23.42	0	0.00
Fri-9/16/11	3:00 AM		360	24.00	0	0.00	360	24.00	0	0.00
Sat-9/17/11	3:00 AM	(1)	360	24.00	0	0.00	359	24.00	0	0.00
Sun-9/18/11	3:00 AM	(1)	360	24.00	0	0.00	360	24.00	0	0.00
Mon-9/19/11	3:00 AM		360	24.00	0	0.00	361	24.00	0	0.00
Tue-9/20/11	3:00 AM		360	24.00	0	0.00	361	24.00	0	0.00
Wed-9/21/11	3:00 AM		360	16.20	0	0.00	361	16.15	0	0.00
Thu-9/22/11	3:00 AM		360	24.00	0	0.00	361	24.00	0	0.00
Fri-9/23/11	3:00 AM		360	24.00	0	0.00	360	24.00	0	0.00
Sat-9/24/11	3:00 AM	(1)	360	24.00	0	0.00	360	24.00	0	0.00
Sun-9/25/11	3:00 AM	(1)	360	24.00	0	0.00	361	24.00	0	0.00
Mon-9/26/11	3:00 AM		360	24.00	0	0.00	361	24.00	0	0.00
Tue-9/27/11	3:00 AM		360	24.00	0	0.00	360	24.00	0	0.00
Wed-9/28/11	3:00 AM		360	24.00	0	0.00	360	24.00	0	0.00
Thu-9/29/11	3:00 AM		360	24.00	0	0.00	361	24.00	0	0.00
Fri-9/30/11	3:00 AM		359	24.00	0	0.00	360	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.

09/03/11 - Treatment was shut down due to a DTE power failure caused by storms in the area.

09/21/11 - Treatment was shut down due to a DTE power failure.

GREEN POND / DISCHARGE DATA

Month of: Sep-11

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	Hours	Influent GPM	GPM	Gallons	Hours	GPM	Gallons	Hours	GPM	Gallons	Hours	GPM	Gallons	Hours				
Thu-9/1/11	3:05 AM		Y	-	-								745	1,072,113	24.00	-	-	-	-	-	-		
Fri-9/2/11	3:00 AM		Y	-	-								745	1,073,244	24.00	-	-	-	-	-	-		
Sat-9/3/11	3:00 AM	(1)		-	-								741	977,610	21.98	-	-	-	-	-	-		
Sun-9/4/11	3:00 AM	(1)		-	-								744	1,071,270	24.00	-	-	-	-	-	-		
Mon-9/5/11	3:00 AM		Y	-	-								744	1,071,858	24.00	-	-	-	-	-	-		
Tue-9/6/11	3:00 AM		Y	-	-								744	1,071,889	24.00	-	-	-	-	-	-		
Wed-9/7/11	3:00 AM		Y	-	-								744	1,071,951	24.00	-	-	-	-	-	-		
Thu-9/8/11	3:00 AM		Y	-	-								745	1,072,358	24.00	-	-	-	-	-	-		
Fri-9/9/11	3:00 AM		Y	-	-								743	1,069,335	24.00	-	-	-	-	-	-		
Sat-9/10/11	3:00 AM	(1)		-	-								746	1,073,764	24.00	-	-	-	-	-	-		
Sun-9/11/11	3:00 AM	(1)		-	-								747	1,075,390	24.00	-	-	-	-	-	-		
Mon-9/12/11	3:00 AM		Y	-	-								748	1,076,637	24.00	-	-	-	-	-	-		
Tue-9/13/11	3:00 AM		Y	-	-								748	1,077,243	24.00	-	-	-	-	-	-		
Wed-9/14/11	3:00 AM		Y	-	-								748	1,076,935	24.00	-	-	-	-	-	-		
Thu-9/15/11	3:00 AM		Y	-	-								745	1,048,784	23.47	-	-	-	-	-	-		
Fri-9/16/11	3:00 AM		Y	-	-								744	1,071,904	24.00	-	-	-	-	-	-		
Sat-9/17/11	3:00 AM	(1)		-	-								746	1,073,668	24.00	-	-	-	-	-	-		
Sun-9/18/11	3:00 AM	(1)		-	-								747	1,076,119	24.00	-	-	-	-	-	-		
Mon-9/19/11	3:00 AM		Y	-	-								748	1,077,435	24.00	-	-	-	-	-	-		
Tue-9/20/11	3:00 AM		Y	-	-								749	1,078,135	24.00	-	-	-	-	-	-		
Wed-9/21/11	3:00 AM		Y	-	-								742	718,016	16.13	-	-	-	-	-	-		
Thu-9/22/11	3:00 AM		Y	-	-								743	1,069,456	24.00	-	-	-	-	-	-		
Fri-9/23/11	3:00 AM		Y	-	-								744	1,070,977	24.00	-	-	-	-	-	-		
Sat-9/24/11	3:00 AM	(1)		-	-								744	1,071,497	24.00	-	-	-	-	-	-		
Sun-9/25/11	3:00 AM	(1)		-	-								745	1,072,309	24.00	-	-	-	-	-	-		
Mon-9/26/11	3:00 AM		Y	-	-								745	1,073,143	24.00	-	-	-	-	-	-		
Tue-9/27/11	3:00 AM		Y	-	-								745	1,072,790	24.00	-	-	-	-	-	-		
Wed-9/28/11	3:00 AM		Y	-	-								745	1,073,433	24.00	-	-	-	-	-	-		
Thu-9/29/11	3:00 AM		Y	-	-								746	1,073,773	24.00	-	-	-	-	-	-		
Fri-9/30/11	3:00 AM		Y	-	-								746	1,073,954	24.00	-	-	-	-	-	-		
TOTALS													31,726,990	710									

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. 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
9/1/2011	0.107		4	0	no	yes	6.7	5	24
9/2/2011	0.107			0	no	no	6.7		16
9/3/2011	0.098								
9/4/2011	0.107		4					5	
9/5/2011	0.107		4					5	
9/6/2011	0.107	0.443	4	0	yes	yes	6.7	5	18
9/7/2011	0.107		5	0	no	no	6.7	5	28
9/8/2011	0.107		4	0	no	yes	6.7	5	12
9/9/2011	0.107			0	no	no	6.8		35
9/10/2011	0.107								
9/11/2011	0.108		4					5	
9/12/2011	0.108	0.493	4	0	yes	yes	6.7	5	36
9/13/2011	0.108		4	0	no	no	6.7	5	22
9/14/2011	0.108		4	0	no	no	6.7	5	30
9/15/2011	0.105		4	0	no	yes	6.7	5	26
9/16/2011	0.107			0	no	no	6.8		30
9/17/2011	0.107								
9/18/2011	0.108		3					5	
9/19/2011	0.108	0.398	4	0	yes	yes	6.7	0	20
9/20/2011	0.108		3	0	no	no	6.7	0	18
9/21/2011	0.072		4	100	no	no	6.9	0	28
9/22/2011	0.107		3	0	no	yes	6.7	0	26
9/23/2011	0.107			0	no	no	6.7		20
9/24/2011	0.107								
9/25/2011	0.107		4					0	
9/26/2011	0.107	0.228	4	0	yes	yes	6.7	0	26
9/27/2011	0.107		4	100	no	no	6.7	0	12
9/28/2011	0.107		4	0	no	no	6.6	0	20
9/29/2011	0.107		4	0	no	yes	6.6	0	20
9/30/2011	0.107			0	no	no	6.6		24
Discharged (mg)	3.173								
Monthly Avg			4					3	

Bromate: A zero value equals ND (less than 5 ppb)
Hydrogen Peroxide - A zero value equals ND (less than .1ppm)