



EXTRACTION DATA

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MURPHY - RRD
JACKSON DISTRICT OFFICE

MAY 18 2010

RECEIVED

UNIT D2 UPGRADIENT EXTRACTION DATA

Month of: **Apr-10**

Date	Horizontal Well Extraction			TW-9			TW-5			Daily Flow	Daily Total
	HW-S Gallons	GPM	Run Hrs.	TW-9 Gallons	GPM	Run Hrs.	TW-5 Gallons	GPM	Run Hrs.	GPM	Gallons
Thu-4/1/10	34,292	24	24.00	119,925	83	24.00	168,571	117	24.00	224	322,788
Fri-4/2/10	34,187	24	24.00	108,097	75	24.00	153,994	107	24.00	206	296,278
Sat-4/3/10	34,287	24	24.00	108,138	75	24.00	160,971	112	24.00	211	303,396
Sun-4/4/10	34,298	24	24.00	121,481	84	24.00	161,296	112	24.00	220	317,075
Mon-4/5/10	34,319	24	24.00	136,840	95	24.00	161,904	112	24.00	231	333,063
Tue-4/6/10	34,280	24	24.00	136,958	95	24.00	161,732	112	24.00	231	332,970
Wed-4/7/10	32,608	23	23.78	115,800	81	23.75	160,981	112	24.00	215	309,389
Thu-4/8/10	34,419	24	24.00	101,257	70	24.00	161,414	112	24.00	206	297,090
Fri-4/9/10	34,333	24	24.00	115,351	80	24.00	160,354	111	24.00	215	310,038
Sat-4/10/10	34,294	24	24.00	115,283	80	24.00	161,038	112	24.00	216	310,615
Sun-4/11/10	34,338	24	24.00	115,427	80	24.00	161,290	112	24.00	216	311,055
Mon-4/12/10	34,317	24	24.00	115,377	80	24.00	178,253	124	24.00	228	327,947
Tue-4/13/10	34,294	24	24.00	109,487	76	24.00	150,614	105	24.00	204	294,395
Wed-4/14/10	34,338	24	24.00	107,801	75	24.00	159,560	111	24.00	210	301,699
Thu-4/15/10	34,237	24	24.00	107,965	75	24.00	159,560	111	24.00	210	301,762
Fri-4/16/10	34,911	24	24.00	107,925	75	24.00	159,558	111	24.00	210	302,394
Sat-4/17/10	34,977	24	24.00	108,031	75	24.00	159,927	111	24.00	210	302,935
Sun-4/18/10	36,011	25	24.00	107,997	75	24.00	160,067	111	24.00	211	304,075
Mon-4/19/10	36,053	25	24.00	108,040	75	24.00	160,181	111	24.00	211	304,274
Tue-4/20/10	36,073	25	24.00	108,056	75	24.00	160,260	111	24.00	211	304,389
Wed-4/21/10	36,081	25	24.00	108,129	75	24.00	160,179	111	24.00	211	304,389
Thu-4/22/10	36,094	25	24.00	102,914	71	24.00	158,682	110	24.00	207	297,690
Fri-4/23/10	36,109	25	24.00	100,841	70	24.00	158,027	110	24.00	205	294,977
Sat-4/24/10	36,122	25	24.00	100,719	70	24.00	158,843	110	24.00	205	295,684
Sun-4/25/10	36,168	25	24.00	100,772	70	24.00	158,974	110	24.00	205	295,914
Mon-4/26/10	36,176	25	24.00	112,246	78	24.00	158,749	110	24.00	213	307,171
Tue-4/27/10	36,186	25	24.00	115,400	80	24.00	158,194	110	24.00	215	309,780
Wed-4/28/10	36,214	25	24.00	115,145	80	24.00	156,675	109	24.00	214	308,034
Thu-4/29/10	36,238	25	24.00	115,096	80	24.00	157,802	110	24.00	215	309,136
Fri-4/30/10	36,261	25	24.00	115,108	80	24.00	157,922	110	24.00	215	309,291
TOTALS	1,052,515	24	719.78	3,361,606	78	719.75	4,805,572	111	720.00	213	9,219,693

TOTAL VOLUME EXTRACTED :	9,219,693 GALLONS
DAYS IN MONTH :	30 DAYS
MONTHLY AVERAGE FLOW RATE :	213.42 GPM

UNIT D2 DOWNGRADIENT EXTRACTION DATA

Month of: **Apr-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
Thu-4/1/10	136,897	95	24.00	115,444	80	24.00	21,777	15	24.00	190	274,118
Fri-4/2/10	136,886	95	23.98	115,233	80	24.00	21,767	15	24.00	190	273,886
Sat-4/3/10	68,227	95	11.97	57,437	80	11.95	11,383	15	12.70	95	137,047
Sun-4/4/10	67,639	95	11.87	56,822	80	11.87	10,576	15	11.90	94	135,037
Mon-4/5/10	136,897	95	24.00	115,486	80	24.00	21,447	15	24.00	190	273,830
Tue-4/6/10	136,896	95	24.00	115,391	80	24.00	21,458	15	24.00	190	273,745
Wed-4/7/10	136,886	95	24.00	115,153	80	24.00	21,445	15	24.00	190	273,484
Thu-4/8/10	136,896	95	23.98	115,363	80	23.98	21,445	15	24.00	190	273,704
Fri-4/9/10	136,921	95	23.98	115,277	80	23.98	21,429	15	24.00	190	273,627
Sat-4/10/10	136,910	95	24.00	115,403	80	24.00	21,459	15	24.00	190	273,772
Sun-4/11/10	136,896	95	24.00	115,319	80	24.00	21,492	15	24.00	190	273,707
Mon-4/12/10	136,901	95	24.00	115,338	80	24.00	21,477	15	24.00	190	273,716
Tue-4/13/10	136,902	95	24.00	115,337	80	24.00	21,495	15	24.00	190	273,734
Wed-4/14/10	136,898	95	24.00	115,330	80	24.00	21,482	15	24.00	190	273,710
Thu-4/15/10	136,881	95	23.98	115,381	80	23.98	21,471	15	24.00	190	273,733
Fri-4/16/10	136,885	95	24.00	115,291	80	24.00	21,538	15	24.00	190	273,714
Sat-4/17/10	136,905	95	24.00	115,261	80	24.00	21,543	15	24.00	190	273,709
Sun-4/18/10	136,910	95	24.00	115,457	80	24.00	21,485	15	24.00	190	273,852
Mon-4/19/10	136,903	95	24.00	115,368	80	24.00	21,468	15	24.00	190	273,739
Tue-4/20/10	136,901	95	24.00	115,441	80	24.00	21,466	15	24.00	190	273,808
Wed-4/21/10	136,895	95	24.00	115,471	80	24.00	21,495	15	24.00	190	273,861
Thu-4/22/10	136,893	95	23.98	115,318	80	23.98	21,466	15	24.00	190	273,677
Fri-4/23/10	136,892	95	24.00	115,196	80	24.00	21,458	15	24.00	190	273,546
Sat-4/24/10	136,905	95	24.00	115,200	80	24.00	21,747	15	24.00	190	273,852
Sun-4/25/10	136,895	95	24.00	115,351	80	24.00	21,777	15	24.00	190	274,023
Mon-4/26/10	135,033	95	23.68	113,723	80	23.68	21,776	15	24.00	188	270,532
Tue-4/27/10	136,900	95	24.00	115,414	80	24.00	21,759	15	24.00	190	274,073
Wed-4/28/10	136,900	95	24.00	115,125	80	24.00	21,747	15	24.00	190	273,772
Thu-4/29/10	136,895	95	24.00	115,478	80	23.98	21,743	15	24.00	190	274,116
Fri-4/30/10	136,878	95	24.00	115,513	80	24.00	21,727	15	24.00	190	274,118
TOTALS	3,967,123	95	695.42	3,342,321	80	695.40	625,798	15	696.60	184	7,935,242

TOTAL VOLUME EXTRACTED :	7,935,242 GALLONS
DAYS IN MONTH :	30 DAYS
MONTHLY AVERAGE FLOW RATE :	183.69 GPM

04/03/10-04/04/10 - Evergreen extraction was shut down due to a storm-related DTE power failure.

TABLE #3

CORE AREA EXTRACTION DATA

Month of: **Apr-10**

Core Area Well Extraction															Daily	Daily	
Date	TW-1			TW-2 (Dolph)			TW-10			TW-14			TW-20			Flow GPM	Total Gallons
	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.		
Thu-4/1/10	53,605	37	24.00	78,967	55	24.00	119,633	83	24.00	141,663	98	24.00	108,128	75	24.00	349	501,996
Fri-4/2/10	53,633	37	24.00	78,926	55	24.00	108,468	75	24.00	129,674	90	24.00	108,128	75	24.00	333	478,829
Sat-4/3/10	53,564	37	24.00	80,467	56	24.00	108,642	75	24.00	129,652	90	24.00	108,134	75	24.00	334	480,459
Sun-4/4/10	53,635	37	24.00	32,470	57	9.52	118,993	83	24.00	132,964	92	24.00	108,134	75	24.00	310	446,196
Mon-4/5/10	53,594	37	24.00	59,966	55	18.18	129,690	90	24.00	136,853	95	24.00	108,131	75	24.00	339	488,234
Tue-4/6/10	53,621	37	24.00	79,061	55	24.00	129,900	90	24.00	136,840	95	24.00	108,122	75	24.00	352	507,544
Wed-4/7/10	36,838	37	16.65	80,130	56	24.00	112,260	78	24.00	94,789	95	16.68	108,131	75	24.00	300	432,148
Thu-4/8/10	-	-	-	80,366	56	24.00	111,050	77	24.00	87,684	90	16.25	108,123	75	24.00	269	387,223
Fri-4/9/10	-	-	-	79,561	55	24.00	129,263	90	24.00	129,620	90	24.00	108,118	75	24.00	310	446,562
Sat-4/10/10	-	-	-	79,451	55	24.00	129,869	90	24.00	129,632	90	24.00	108,124	75	24.00	310	447,076
Sun-4/11/10	-	-	-	79,475	55	24.00	129,731	90	24.00	129,669	90	24.00	108,128	75	24.00	310	447,003
Mon-4/12/10	-	-	-	79,482	55	24.00	129,780	90	24.00	129,681	90	24.00	108,130	75	24.00	310	447,073
Tue-4/13/10	42,206	37	18.87	78,907	55	24.00	118,080	82	24.00	118,310	82	24.00	108,114	75	24.00	323	465,617
Wed-4/14/10	53,668	37	24.00	78,797	55	24.00	111,924	78	24.00	115,001	80	24.00	108,137	75	24.00	325	467,527
Thu-4/15/10	53,480	37	24.00	78,877	55	24.00	108,249	75	24.00	115,125	80	24.00	108,122	75	24.00	322	463,853
Fri-4/16/10	53,546	37	24.00	78,896	55	24.00	108,074	75	24.00	115,106	80	24.00	108,123	75	24.00	322	463,745
Sat-4/17/10	53,516	37	24.00	78,777	55	24.00	108,800	76	24.00	111,050	77	24.00	108,119	75	24.00	320	460,262
Sun-4/18/10	53,529	37	24.00	78,688	55	24.00	108,819	76	24.00	108,193	75	24.00	108,121	75	24.00	318	457,350
Mon-4/19/10	53,593	37	24.00	78,724	55	24.00	108,829	76	24.00	108,081	75	24.00	108,123	75	24.00	318	457,350
Tue-4/20/10	53,579	37	24.00	78,803	55	24.00	108,797	76	24.00	108,139	75	24.00	108,128	75	24.00	318	457,446
Wed-4/21/10	53,619	37	24.00	78,840	55	24.00	108,758	76	24.00	108,135	75	24.00	108,128	75	24.00	318	457,480
Thu-4/22/10	53,599	37	24.00	78,724	55	24.00	103,398	72	24.00	98,208	68	24.00	108,128	75	24.00	307	442,057
Fri-4/23/10	53,360	37	24.00	78,732	55	24.00	100,530	70	24.00	93,677	65	24.00	108,124	75	24.00	302	434,423
Sat-4/24/10	53,354	37	24.00	78,822	55	24.00	100,869	70	24.00	93,650	65	24.00	108,138	75	24.00	302	434,833
Sun-4/25/10	53,397	37	24.00	78,930	55	24.00	100,836	70	24.00	93,747	65	24.00	108,130	75	24.00	302	435,040
Mon-4/26/10	53,394	37	24.00	78,811	55	24.00	112,891	78	24.00	105,252	73	24.00	108,127	75	24.00	318	458,475
Tue-4/27/10	53,363	37	24.00	78,612	55	24.00	115,574	80	24.00	108,013	75	24.00	108,130	75	24.00	322	463,692
Wed-4/28/10	53,395	37	24.00	78,620	55	24.00	115,455	80	24.00	108,114	75	24.00	108,127	75	24.00	322	463,711
Thu-4/29/10	53,425	37	24.00	78,676	55	24.00	115,550	80	24.00	108,084	75	24.00	108,132	75	24.00	322	463,867
Fri-4/30/10	53,438	37	24.00	78,737	55	24.00	115,557	80	24.00	107,990	75	24.00	108,131	75	24.00	322	463,853
TOTALS	1,309,951		587.52	2,306,295	55	699.70	3,428,269	79	720.00	3,432,596	81	704.93	3,243,813	75	720.00	318	13,720,924

TOTAL VOLUME EXTRACTED :	13,720,924 GALLONS
DAYS IN MONTH :	30 DAYS
MONTHLY AVERAGE FLOW RATE :	317.61 GPM

04/04/10-04/05/10 - TW-2 was shut down due to a storm-related DTE power failure.
 04/07/10-04/08/10 - TW-14 was shut down due to a DTE power failure.
 04/07/10-04/13/10 - TW-1 was shut down due to damage from a DTE power failure.

MARSHY AREA EXTRACTION DATA

Month of: Apr-10

Marshy Well Extraction				Daily	Daily
Date	PW-1 Gallons	GPM	Run Hrs.	Flow GPM	Total Gallons
Thu-4/1/10	6,630	5	24.00	5	6,630
Fri-4/2/10	6,587	5	24.00	5	6,587
Sat-4/3/10	6,544	5	24.00	5	6,544
Sun-4/4/10	6,534	5	24.00	5	6,534
Mon-4/5/10	6,516	5	24.00	5	6,516
Tue-4/6/10	6,580	5	24.00	5	6,580
Wed-4/7/10	6,574	5	24.00	5	6,574
Thu-4/8/10	6,501	5	24.00	5	6,501
Fri-4/9/10	6,416	4	24.00	4	6,416
Sat-4/10/10	6,357	4	24.00	4	6,357
Sun-4/11/10	6,280	4	24.00	4	6,280
Mon-4/12/10	6,246	4	24.00	4	6,246
Tue-4/13/10	6,233	4	24.00	4	6,233
Wed-4/14/10	6,239	4	24.00	4	6,239
Thu-4/15/10	6,197	4	24.00	4	6,197
Fri-4/16/10	6,182	4	24.00	4	6,182
Sat-4/17/10	6,271	4	24.00	4	6,271
Sun-4/18/10	6,309	4	24.00	4	6,309
Mon-4/19/10	6,329	4	24.00	4	6,329
Tue-4/20/10	6,317	4	24.00	4	6,317
Wed-4/21/10	6,336	4	24.00	4	6,336
Thu-4/22/10	6,462	4	24.00	4	6,462
Fri-4/23/10	6,455	4	24.00	4	6,455
Sat-4/24/10	6,427	4	24.00	4	6,427
Sun-4/25/10	6,400	4	24.00	4	6,400
Mon-4/26/10	6,421	4	24.00	4	6,421
Tue-4/27/10	6,377	4	24.00	4	6,377
Wed-4/28/10	6,339	4	24.00	4	6,339
Thu-4/29/10	6,291	4	24.00	4	6,291
Fri-4/30/10	5,980	4	24.00	4	5,980
TOTALS	191,330	4	720.00	4	191,330

TOTAL VOLUME EXTRACTED :	191,330 GALLONS
DAYS IN MONTH :	30 DAYS
MONTHLY AVERAGE FLOW RATE :	4.43 GPM

SOUTHWEST AREA EXTRACTION DATA

Month of: Apr-10

SouthWest Well Extraction				Daily	Daily
Date	ACTIVE WELLS			Flow	Total
	Gallons	GPM	Run Hrs.	GPM	Gallons
Thu-4/1/10	53,637	37	24.00	37	53,637
Fri-4/2/10	53,566	37	24.00	37	53,566
Sat-4/3/10	54,039	38	24.00	38	54,039
Sun-4/4/10	53,571	37	24.00	37	53,571
Mon-4/5/10	52,812	37	24.00	37	52,812
Tue-4/6/10	52,790	37	24.00	37	52,790
Wed-4/7/10	16,970	37	7.72	12	16,970
Thu-4/8/10	36,864	38	16.37	26	36,864
Fri-4/9/10	53,242	37	24.00	37	53,242
Sat-4/10/10	53,095	37	24.00	37	53,095
Sun-4/11/10	53,116	37	24.00	37	53,116
Mon-4/12/10	53,113	37	24.00	37	53,113
Tue-4/13/10	52,838	37	24.00	37	52,838
Wed-4/14/10	52,800	37	24.00	37	52,800
Thu-4/15/10	52,878	37	24.00	37	52,878
Fri-4/16/10	52,919	37	24.00	37	52,919
Sat-4/17/10	52,819	37	24.00	37	52,819
Sun-4/18/10	52,846	37	24.00	37	52,846
Mon-4/19/10	52,984	37	24.00	37	52,984
Tue-4/20/10	53,099	37	24.00	37	53,099
Wed-4/21/10	53,138	37	24.00	37	53,138
Thu-4/22/10	53,009	37	24.00	37	53,009
Fri-4/23/10	52,957	37	24.00	37	52,957
Sat-4/24/10	53,123	37	24.00	37	53,123
Sun-4/25/10	53,265	37	24.00	37	53,265
Mon-4/26/10	53,034	37	24.00	37	53,034
Tue-4/27/10	52,698	37	24.00	37	52,698
Wed-4/28/10	52,736	37	24.00	37	52,736
Thu-4/29/10	52,801	37	24.00	37	52,801
Fri-4/30/10	52,818	37	24.00	37	52,818
TOTALS	1,539,577	37	696.08	36	1,539,577

TOTAL VOLUME EXTRACTED :	1,539,577 GALLONS
DAYS IN MONTH :	30 DAYS
MONTHLY AVERAGE FLOW RATE :	35.64 GPM

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

04/07/10-04/08/10 - SW extraction was shut down due to a storm-related DTE power failure.

UNIT "E" EXTRACTION DATA

Month of: Apr-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
Thu-4/1/10	-		-	141,463	98	24.00	336,703	234	24.00	332	478,166
Fri-4/2/10	28,297	32	14.88	129,430	90	24.00	336,685	234	24.00	343	494,412
Sat-4/3/10	43,919	30	24.00	129,429	90	24.00	336,670	234	24.00	354	510,018
Sun-4/4/10	42,840	30	24.00	132,797	92	24.00	336,663	234	24.00	356	512,300
Mon-4/5/10	42,414	29	24.00	136,629	95	24.00	336,725	234	24.00	358	515,768
Tue-4/6/10	42,877	30	24.00	136,648	95	24.00	336,650	234	24.00	358	516,175
Wed-4/7/10	43,414	30	24.00	94,393	95	16.63	308,229	214	24.00	310	446,036
Thu-4/8/10	43,507	30	24.00	87,450	90	16.23	311,307	216	24.00	307	442,264
Fri-4/9/10	44,321	31	24.00	129,403	90	24.00	343,926	239	24.00	359	517,650
Sat-4/10/10	43,783	30	24.00	129,426	90	24.00	343,943	239	24.00	359	517,152
Sun-4/11/10	42,914	30	24.00	129,467	90	24.00	343,948	239	24.00	359	516,329
Mon-4/12/10	20,289	30	11.33	129,446	90	24.00	343,976	239	24.00	343	493,711
Tue-4/13/10	35,392	37	15.97	118,119	82	24.00	343,940	239	24.00	345	497,451
Wed-4/14/10	51,234	36	24.00	115,014	80	24.00	344,009	239	24.00	354	510,257
Thu-4/15/10	51,153	36	24.00	115,050	80	24.00	344,041	239	24.00	354	510,244
Fri-4/16/10	51,133	36	24.00	115,011	80	24.00	343,987	239	24.00	354	510,131
Sat-4/17/10	50,582	35	24.00	110,802	77	24.00	343,928	239	24.00	351	505,312
Sun-4/18/10	50,072	35	24.00	107,833	75	24.00	343,944	239	24.00	349	501,849
Mon-4/19/10	49,878	35	24.00	107,793	75	24.00	344,004	239	24.00	348	501,675
Tue-4/20/10	49,838	35	24.00	107,816	75	24.00	343,988	239	24.00	348	501,642
Wed-4/21/10	50,066	35	24.00	107,881	75	24.00	344,022	239	24.00	349	501,969
Thu-4/22/10	50,101	35	24.00	97,850	68	24.00	343,987	239	24.00	342	491,938
Fri-4/23/10	50,906	35	24.00	93,374	65	24.00	343,986	239	24.00	339	488,266
Sat-4/24/10	51,268	36	24.00	93,397	65	24.00	343,987	239	24.00	339	488,652
Sun-4/25/10	51,282	36	24.00	93,415	65	24.00	343,997	239	24.00	339	488,694
Mon-4/26/10	51,684	36	24.00	104,950	73	24.00	343,977	239	24.00	348	500,611
Tue-4/27/10	52,302	36	24.00	107,774	75	24.00	343,965	239	24.00	350	504,041
Wed-4/28/10	52,308	36	24.00	107,802	75	24.00	343,984	239	24.00	350	504,094
Thu-4/29/10	52,307	36	24.00	107,822	75	24.00	343,991	239	24.00	350	504,120
Fri-4/30/10	52,355	36	24.00	107,860	75	24.00	344,039	239	24.00	350	504,254
TOTALS	1,342,436	34	666.18	3,425,544	81	704.87	10,207,201	236	720.00	347	14,975,181

TOTAL VOLUME EXTRACTED :	14,975,181 GALLONS
DAYS IN MONTH :	30 DAYS
MONTHLY AVERAGE FLOW RATE :	346.65 GPM

04/01/10-04/02/10 - TW-11 was shut down for maintenance.
 04/07/10-04/08/10 - TW-17 was shut down due to a storm-related DTE power outage.
 04/12/10-04/13/10 - TW-11 was shut down for maintenance.

TABLE #7
Western System Purging

Date	Gallons Purged
4/1/2010	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

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



TABLE #8

INDIVIDUAL PURGE WELL CONCENTRATIONS

SAMPLE ID	1,4-DIOXANE (ppb)
AE-3-04-05-10-12:44	119
HZ-S-04-05-10-11:25	922
LB-1-04-05-10-12:40	544
LB-3-04-05-10-12:42	503
PW-1-04-05-10-11:56	723
SW-COMB-04-05-10-11:50	528
DOLPH-04-05-10-11:52	80
TW-5-04-05-10-12:59	917
TW-8-04-05-10-14:30	513
TW-9-04-05-10-11:12	975
TW-10-04-05-10-11:07	712
TW-13-04-05-10-12:05	649
TW-14-04-05-10-11:31	110
TW-17-04-05-10-11:35	100
TW-18-04-05-10-11:54	322
TW-20-04-05-10-11:40	1,660

RED POND DATA

Month of: **Apr-10**

Date	Time	Notes	Red Pond				
			Pond Visual Chk	Level Feet	Aeration Hours	Influent Hours	Influent GPM
Thu-4/1/10	03:05:00		Y	4.7	-	24.00	1,137
Fri-4/2/10	03:00:00		Y	5.3	-	24.00	1,114
Sat-4/3/10	03:00:00	(1)		5.4	-	24.00	1,036
Sun-4/4/10	03:00:00	(1)		4.1	-	24.00	1,021
Mon-4/5/10	03:00:00		Y	3.5	-	24.00	1,160
Tue-4/6/10	03:00:01		Y	4.2	-	24.00	1,173
Wed-4/7/10	03:00:01		Y	5.0	-	24.00	1,031
Thu-4/8/10	03:00:00		Y	5.5	-	24.00	1,003
Fri-4/9/10	03:00:00		Y	5.9	-	24.00	1,116
Sat-4/10/10	03:00:00	(1)		5.8	-	24.00	1,117
Sun-4/11/10	03:00:00	(1)		5.8	-	24.00	1,116
Mon-4/12/10	03:00:00		Y	5.8	-	24.00	1,112
Tue-4/13/10	03:00:00		Y	5.5	-	24.00	1,104
Wed-4/14/10	03:00:00		Y	5.7	-	24.00	1,120
Thu-4/15/10	03:00:00		Y	5.8	-	24.00	1,117
Fri-4/16/10	03:00:00		Y	5.8	-	24.00	1,117
Sat-4/17/10	03:00:00	(1)		5.9	-	24.00	1,112
Sun-4/18/10	03:00:00	(1)		5.9	-	24.00	1,109
Mon-4/19/10	03:00:00		Y	5.8	-	24.00	1,109
Tue-4/20/10	03:00:00		Y	5.7	-	24.00	1,109
Wed-4/21/10	03:00:00		Y	5.6	-	24.00	1,109
Thu-4/22/10	03:00:00		Y	5.6	-	24.00	1,087
Fri-4/23/10	03:00:00		Y	5.1	-	24.00	1,077
Sat-4/24/10	03:00:00	(1)		4.6	-	24.00	1,078
Sun-4/25/10	03:00:00	(1)		4.2	-	24.00	1,079
Mon-4/26/10	03:00:00		Y	3.8	-	24.00	1,109
Tue-4/27/10	03:00:00		Y	4.2	-	24.00	1,119
Wed-4/28/10	03:00:00		Y	4.3	-	24.00	1,117
Thu-4/29/10	03:00:00		Y	4.3	-	24.00	1,118
Fri-4/30/10	03:00:00		Y	4.3	-	24.00	1,118
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	1,4-DIOXANE (ppb)	BROMATE (ppb)
Red Pond-04-02-10-08:30		ND
Red Pond-04-05-10-07:40	517	
Red Pond-04-12-10-07:45	545	
Red Pond-04-19-10-08:15	529	
Red Pond-04-26-10-08:05	551	

OZONE OPERATION REPORT

Month of: Apr-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
Thu-4/1/10	03:07:00		370	24.00	370	24.00	370	24.00	0	0.00
Fri-4/2/10	03:00:00		370	24.00	369	24.00	370	24.00	0	0.00
Sat-4/3/10	03:00:00	(1)	370	24.00	369	24.00	370	24.00	0	0.00
Sun-4/4/10	03:00:00	(1)	370	24.00	370	21.57	371	24.00	0	0.00
Mon-4/5/10	03:00:00		370	24.00	370	24.00	370	24.00	0	0.00
Tue-4/6/10	03:00:01		370	24.00	370	24.00	369	24.00	0	0.00
Wed-4/7/10	03:00:01		370	24.00	369	24.00	370	16.57	0	0.00
Thu-4/8/10	03:00:00		370	24.00	370	24.00	0	16.43	0	0.00
Fri-4/9/10	03:00:00		370	24.00	370	24.00	370	24.00	0	0.00
Sat-4/10/10	03:00:00	(1)	370	24.00	370	24.00	370	24.00	0	0.00
Sun-4/11/10	03:00:00	(1)	370	24.00	370	24.00	370	24.00	0	0.00
Mon-4/12/10	03:00:00		370	24.00	369	24.00	371	24.00	0	0.00
Tue-4/13/10	03:00:00		370	23.18	371	24.00	370	24.00	0	0.00
Wed-4/14/10	03:00:00		371	24.00	370	24.00	371	24.00	0	0.00
Thu-4/15/10	03:00:00		370	24.00	371	24.00	370	24.00	0	0.00
Fri-4/16/10	03:00:00		370	24.00	370	23.67	370	24.00	0	0.00
Sat-4/17/10	03:00:00	(1)	370	24.00	370	24.00	370	24.00	0	0.00
Sun-4/18/10	03:00:00	(1)	370	24.00	370	24.00	370	24.00	0	0.00
Mon-4/19/10	03:00:00		370	24.00	370	24.00	371	24.00	0	0.00
Tue-4/20/10	03:00:00		370	24.00	371	24.00	370	24.00	0	0.00
Wed-4/21/10	03:00:00		370	24.00	370	24.00	369	24.00	0	0.00
Thu-4/22/10	03:00:00		369	24.00	370	24.00	371	24.00	0	0.00
Fri-4/23/10	03:00:00		370	24.00	370	24.00	370	24.00	0	0.00
Sat-4/24/10	03:00:00	(1)	370	24.00	370	24.00	370	24.00	0	0.00
Sun-4/25/10	03:00:00	(1)	367	24.00	371	24.00	370	24.00	0	0.00
Mon-4/26/10	03:00:00		363	22.80	370	23.58	371	23.72	0	0.00
Tue-4/27/10	03:00:00		370	24.00	371	24.00	370	24.00	0	0.00
Wed-4/28/10	03:00:00		370	24.00	370	24.00	371	24.00	0	0.00
Thu-4/29/10	03:00:00		370	24.00	370	24.00	371	24.00	0	0.00
Fri-4/30/10	03:00:00		370	24.00	370	24.00	371	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.

04/04/10- 1B was shut down briefly to adjust the Pond level

04/07/10-04/08/10 - 2A was shut down for maintenance.

04/26/10 - 1A was shut down briefly to clean the Pond screens.

TABLE #12

GREEN POND / DISCHARGE DATA

Month of: Apr-10

			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	Hours	GPM	GPM	Gallons	Hours	GPM	Gallons	Hours	GPM	Gallons	Hours	GPM	Gallons	Hours	
Thu-4/1/10	03:05:00		Y	-	-							1,144	1,647,164	24.00	-	-	-	-	-	-
Fri-4/2/10	03:00:00		Y	-	-							1,144	1,646,944	24.00	-	-	-	-	-	-
Sat-4/3/10	03:00:00	(1)		-	-							1,144	1,646,990	24.00	-	-	-	-	-	-
Sun-4/4/10	03:00:00	(1)		-	-							1,104	1,590,333	24.00	-	-	-	-	-	-
Mon-4/5/10	03:00:00		Y	-	-							1,144	1,647,448	24.00	-	-	-	-	-	-
Tue-4/6/10	03:00:01		Y	-	-							1,144	1,647,002	24.00	-	-	-	-	-	-
Wed-4/7/10	03:00:01		Y	-	-							820	1,180,480	24.00	-	-	-	-	-	-
Thu-4/8/10	03:00:00		Y	-	-							836	1,180,175	23.52	-	-	-	-	-	-
Fri-4/9/10	03:00:00		Y	-	-							1,149	1,654,708	24.00	-	-	-	-	-	-
Sat-4/10/10	03:00:00	(1)		-	-							1,149	1,654,755	24.00	-	-	-	-	-	-
Sun-4/11/10	03:00:00	(1)		-	-							1,149	1,654,684	24.00	-	-	-	-	-	-
Mon-4/12/10	03:00:00		Y	-	-							1,149	1,654,694	24.00	-	-	-	-	-	-
Tue-4/13/10	03:00:00		Y	-	-							1,135	1,634,488	24.00	-	-	-	-	-	-
Wed-4/14/10	03:00:00		Y	-	-							1,149	1,654,653	24.00	-	-	-	-	-	-
Thu-4/15/10	03:00:00		Y	-	-							1,149	1,654,722	24.00	-	-	-	-	-	-
Fri-4/16/10	03:00:00		Y	-	-							1,144	1,646,741	24.00	-	-	-	-	-	-
Sat-4/17/10	03:00:00	(1)		-	-							1,149	1,654,582	24.00	-	-	-	-	-	-
Sun-4/18/10	03:00:00	(1)		-	-							1,149	1,654,693	24.00	-	-	-	-	-	-
Mon-4/19/10	03:00:00		Y	-	-							1,150	1,655,391	24.00	-	-	-	-	-	-
Tue-4/20/10	03:00:00		Y	-	-							1,149	1,654,612	24.00	-	-	-	-	-	-
Wed-4/21/10	03:00:00		Y	-	-							1,148	1,652,714	24.00	-	-	-	-	-	-
Thu-4/22/10	03:00:00		Y	-	-							1,150	1,655,281	24.00	-	-	-	-	-	-
Fri-4/23/10	03:00:00		Y	-	-							1,150	1,655,359	24.00	-	-	-	-	-	-
Sat-4/24/10	03:00:00	(1)		-	-							1,149	1,653,943	24.00	-	-	-	-	-	-
Sun-4/25/10	03:00:00	(1)		-	-							1,145	1,649,028	24.00	-	-	-	-	-	-
Mon-4/26/10	03:00:00		Y	-	-							1,115	1,605,907	24.00	-	-	-	-	-	-
Tue-4/27/10	03:00:00		Y	-	-							1,150	1,656,337	24.00	-	-	-	-	-	-
Wed-4/28/10	03:00:00		Y	-	-							1,149	1,655,099	24.00	-	-	-	-	-	-
Thu-4/29/10	03:00:00		Y	-	-							1,150	1,655,542	24.00	-	-	-	-	-	-
Fri-4/30/10	03:00:00		Y	-	-							1,150	1,656,349	24.00	-	-	-	-	-	-
TOTALS													48,510,818	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 #13
Daily Discharge Monitoring Report

PARAMETER	NAME	PARAMETER CODE	50050	82388	82388	00139	84130	46478	00400	77081	99814	99798
PARAMETER	NAME	MONITORING PT.	001A	001A	001A	001A	001A	001A	001A	001A	001A	001A
UNIT	MGD	mg/l	mg/l	ug/l	ug/l	ug/l	yes/no	yes/no	S.U.	ug/l	ug/l	mg/l
STAGE CODE	1	G	1	1	1	1	1	1	1	1	1	1
MONITORING PT.	001A	001A	001A	001A	001A	001A	001A	001A	001A	001A	001A	001A
(Daily)	Flow	1,4-Dioxane										
(Influent - Red Pond)			0.517									
(Effluent - Outfall)												
(Effluent - Outfall)												
(Effluent - Outfall)												
(Weekly)	Outfall Observation											
(2 x Week)	Equipment Inspection											
(4 x Week)	pH											
(Qty)	Oxalic Acid											
(5 x Week)	Bromate											
(2 x Week)	Sodium Bisulfite Dose Rate											
4/1/2010	1.647	1.647	0	0	0	0	yes	yes	6.6	6.6	6.7	0
4/2/2010	1.647	1.647					no	no	6.6			
4/3/2010	1.647	1.647										
4/4/2010	1.590	1.590										
4/5/2010	1.647	1.647	0.517				yes	yes	6.6			
4/6/2010	1.647	1.647					no	no	6.6			
4/7/2010	1.180	1.180					no	no	6.6			
4/8/2010	1.180	1.180					yes	no	6.7			
4/9/2010	1.655	1.655					no	no	6.7			
4/10/2010	1.655	1.655										
4/11/2010	1.655	1.655										
4/12/2010	1.655	1.655	0.545				yes	yes	6.6			
4/13/2010	1.634	1.634					no	no	6.6			
4/14/2010	1.655	1.655					no	no	6.7			
4/15/2010	1.655	1.655					yes	no	6.6			
4/16/2010	1.647	1.647					no	no	6.6			
4/17/2010	1.655	1.655										
4/18/2010	1.655	1.655										
4/19/2010	1.655	1.655	0.529				yes	yes	6.7	0		
4/20/2010	1.655	1.655					no	no	6.6			
4/21/2010	1.653	1.653					0	0	6.6			
4/22/2010	1.655	1.655					yes	no	6.7			
4/23/2010	1.655	1.655					no	no	6.7			
4/24/2010	1.654	1.654										
4/25/2010	1.649	1.649										
4/26/2010	1.606	1.606	0.551				yes	yes	6.7			
4/27/2010	1.656	1.656					no	no	6.7			
4/28/2010	1.655	1.655					no	no	6.7			
4/29/2010	1.656	1.656					yes	no	6.7			
4/30/2010	1.656	1.656					no	no	6.6			
Monthly Avg	48.511	48.511										

Bromate: A zero value equals ND (less than 5 ppb)

Oxalic Acid - A zero value equals ND (less than 150 ppb)

Hydrogen Peroxide - A zero value equals ND (less than 1ppm)