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January 14, 2009

MDEQ - RRD
JACKSON DISTRICT OFFICE

Ms. Debora Snell
Surface Water Quality Division
Michigan Department of Environmental Quality
301 East Louis Glick Highway
Jackson, Michigan 49201

**Re: Monitoring Report # 140
December 1 – December 31, 2008**

Dear Ms. Snell:

Pursuant to the National Pollutant Discharge Elimination System (NPDES) Permit No. MI0048453, please find the enclosed Monitoring Report for the period of December 1 through December 31, 2008.

Should you have any questions or concerns regarding this report, please contact me at 734-913-6130.

Sincerely,



Farsad Fotouhi
Vice President
Corporate Environmental Engineering

cc: Ms. Sybil Kolon, MDEQ
Supervisor, Scio Twp.
Ms. Celeste R. Gill, MDAG
Alan D. Wasserman, Esq.
Michael Caldwell, Esq.
Matthew Naud, City of Ann Arbor

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UNIT D2 UPGRADE EXTRACTION DATA

Month of: **Dec-08**

Date	Horizontal Well Extraction			TW-9			TW-5			Daily Flow	Daily Total
	HW-S	GPM	Run Hrs.	TW-9	GPM	Run Hrs.	TW-5	GPM	Run Hrs.	GPM	Gallons
	Gallons			Gallons			Gallons				
Mon-12/1/08	34,602	24	24.00	72,148	50	24.00	133,303	93	24.00	167	240,053
Tue-12/2/08	34,603	24	24.00	71,799	50	24.00	133,168	92	24.00	166	239,570
Wed-12/3/08	34,553	24	24.00	71,956	50	24.00	133,242	93	24.00	166	239,751
Thu-12/4/08	34,531	24	24.00	72,182	50	24.00	133,155	92	24.00	167	239,868
Fri-12/5/08	34,567	24	24.00	72,177	50	24.00	133,181	92	24.00	167	239,925
Sat-12/6/08	34,562	24	24.00	72,041	50	24.00	133,374	93	24.00	167	239,977
Sun-12/7/08	34,591	24	24.00	72,169	50	24.00	133,081	92	24.00	167	239,841
Mon-12/8/08	34,608	24	24.00	72,200	50	24.00	133,101	92	24.00	167	239,909
Tue-12/9/08	34,600	24	24.00	72,139	50	24.00	133,070	92	24.00	167	239,809
Wed-12/10/08	34,578	24	24.00	72,092	50	24.00	133,179	92	24.00	167	239,849
Thu-12/11/08	34,551	24	24.00	71,854	50	24.00	133,087	92	24.00	166	239,492
Fri-12/12/08	34,570	24	24.00	71,968	50	24.00	133,078	92	24.00	166	239,616
Sat-12/13/08	34,544	24	24.00	72,445	50	24.00	133,063	92	24.00	167	240,052
Sun-12/14/08	34,633	24	24.00	72,401	50	24.00	133,313	93	24.00	167	240,347
Mon-12/15/08	34,664	24	24.00	71,969	50	24.00	133,219	93	24.00	167	239,852
Tue-12/16/08	34,532	24	24.00	71,853	50	24.00	133,013	92	24.00	166	239,398
Wed-12/17/08	34,501	24	24.00	72,124	50	24.00	133,074	92	24.00	166	239,699
Thu-12/18/08	34,551	24	24.00	72,103	50	24.00	132,985	92	24.00	166	239,639
Fri-12/19/08	34,566	24	24.00	71,818	50	24.00	133,255	93	24.00	166	239,639
Sat-12/20/08	34,562	24	24.00	71,974	50	24.00	133,158	92	24.00	166	239,694
Sun-12/21/08	34,535	24	24.00	71,793	50	24.00	133,279	93	24.00	166	239,607
Mon-12/22/08	34,509	24	24.00	72,092	50	24.00	133,095	92	24.00	166	239,696
Tue-12/23/08	34,536	24	24.00	72,220	50	24.00	133,283	93	24.00	167	240,039
Wed-12/24/08	34,553	24	24.00	72,220	50	24.00	133,477	93	24.00	167	240,250
Thu-12/25/08	34,508	24	24.00	72,134	50	24.00	133,030	92	24.00	166	239,672
Fri-12/26/08	34,601	24	24.00	72,013	50	24.00	133,232	93	24.00	167	239,846
Sat-12/27/08	34,579	24	24.00	71,902	50	24.00	133,284	93	24.00	167	239,765
Sun-12/28/08	34,598	24	24.00	71,886	50	24.00	133,181	92	24.00	166	239,665
Mon-12/29/08	34,540	24	24.00	71,768	50	24.00	133,175	92	24.00	166	239,483
Tue-12/30/08	34,577	24	24.00	71,761	50	24.00	133,058	92	24.00	166	239,396
Wed-12/31/08	34,526	24	24.00	72,384	50	24.00	133,003	92	24.00	167	239,913
TOTALS	1,071,531	24	744.00	2,233,585	50	744.00	4,128,196	92	744.00	167	7,433,312

TOTAL VOLUME EXTRACTED :	7,433,312 GALLONS
DAYS IN MONTH :	31 DAYS
MONTHLY AVERAGE FLOW RATE :	166.52 GPM

UNIT D2 DOWNGRADIENT EXTRACTION DATA

Month of: Dec-08

Date	LB-1			LB-3			AE-3			Daily Flow GPM	Daily Total Gallons
	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.		
Mon-12/1/08	136,933	95	24.00	129,723	90	24.00	15,272	15	17.10	196	281,928
Tue-12/2/08	136,930	95	24.00	129,848	90	24.00	21,513	15	24.00	200	288,291
Wed-12/3/08	136,934	95	24.00	129,720	90	24.00	21,516	15	24.00	200	288,170
Thu-12/4/08	136,930	95	23.98	129,923	90	23.98	21,469	15	24.00	200	288,322
Fri-12/5/08	136,935	95	24.00	129,846	90	24.00	21,461	15	24.00	200	288,242
Sat-12/6/08	136,934	95	24.00	129,843	90	24.00	21,503	15	24.00	200	288,280
Sun-12/7/08	136,942	95	24.00	129,733	90	24.00	21,493	15	24.00	200	288,168
Mon-12/8/08	136,938	95	23.98	129,753	90	23.98	21,513	15	24.00	200	288,204
Tue-12/9/08	136,928	95	24.00	129,898	90	24.00	21,514	15	24.00	200	288,340
Wed-12/10/08	136,626	95	24.00	129,575	90	24.00	21,502	15	24.00	200	287,703
Thu-12/11/08	135,055	95	23.67	127,962	90	23.67	21,184	15	23.70	197	284,201
Fri-12/12/08	130,076	95	22.82	123,191	90	22.80	20,442	15	22.80	190	273,709
Sat-12/13/08	136,944	95	24.00	129,714	90	24.00	21,574	15	24.00	200	288,232
Sun-12/14/08	136,938	95	24.00	129,792	90	23.98	21,564	15	24.00	200	288,294
Mon-12/15/08	136,939	95	23.98	129,813	90	24.00	21,524	15	24.00	200	288,276
Tue-12/16/08	136,946	95	24.00	129,877	90	24.00	21,489	15	24.00	200	288,312
Wed-12/17/08	136,942	95	24.00	129,802	90	24.00	21,633	15	24.00	200	288,377
Thu-12/18/08	136,944	95	24.00	129,647	90	24.00	21,561	15	24.00	200	288,152
Fri-12/19/08	136,943	95	23.98	129,756	90	23.98	21,592	15	24.00	200	288,291
Sat-12/20/08	136,944	95	24.00	129,716	90	24.00	21,574	15	24.00	200	288,234
Sun-12/21/08	136,944	95	24.00	129,697	90	24.00	21,591	15	24.00	200	288,232
Mon-12/22/08	136,954	95	24.00	129,707	90	24.00	21,546	15	24.00	200	288,207
Tue-12/23/08	136,943	95	23.98	129,895	90	23.98	21,510	15	24.00	200	288,348
Wed-12/24/08	136,937	95	24.00	129,649	90	24.00	21,468	15	24.00	200	288,054
Thu-12/25/08	136,943	95	24.00	129,677	90	24.00	21,455	15	24.00	200	288,075
Fri-12/26/08	136,945	95	24.00	129,787	90	24.00	21,475	15	24.00	200	288,207
Sat-12/27/08	136,926	95	23.98	129,909	90	23.98	21,484	15	24.00	200	288,319
Sun-12/28/08	136,917	95	24.00	129,694	90	24.00	21,497	15	24.00	200	288,108
Mon-12/29/08	136,928	95	24.00	129,802	90	24.00	21,587	15	24.00	200	288,317
Tue-12/30/08	136,927	95	24.00	129,846	90	24.00	21,593	15	24.00	200	288,366
Wed-12/31/08	136,935	95	24.00	129,730	90	23.98	21,577	15	24.00	200	288,242
TOTALS	4,236,000	95	742.37	4,014,525	90	742.33	659,676	15	735.60	200	8,910,201

TOTAL VOLUME EXTRACTED :	8,910,201 GALLONS
DAYS IN MONTH :	31 DAYS
MONTHLY AVERAGE FLOW RATE :	199.60 GPM

12/01/08 - AE-3 was shut down for due to DTE power outage.
 12/12/08 - Evergreen extraction was shut down briefly for maintenance.

TABLE #3

CORE AREA EXTRACTION DATA

Month of: **Dec-08**

Core Area Well Extraction																Daily	Daily
Date	TW-2 (Dolph)			TW-6			TW-10			TW-14			TW-20			Flow	Total
	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.	GPM	Gallons
Mon-12/1/08	81,010	56	24.00	28,711	20	24.00	143,962	100	24.00	144,164	100	24.00	72,101	50	24.00	326	469,948
Tue-12/2/08	80,729	56	24.00	28,168	20	24.00	144,136	100	24.00	144,249	100	24.00	72,085	50	24.00	326	469,367
Wed-12/3/08	81,016	56	24.00	28,167	20	24.00	144,307	100	24.00	144,232	100	24.00	72,096	50	24.00	326	469,818
Thu-12/4/08	80,876	56	24.00	27,799	19	24.00	144,270	100	24.00	144,238	100	24.00	72,092	50	24.00	326	469,275
Fri-12/5/08	80,962	56	24.00	27,720	19	24.00	144,278	100	24.00	144,253	100	24.00	72,087	50	24.00	326	469,300
Sat-12/6/08	81,082	56	24.00	27,763	19	24.00	144,327	100	24.00	144,200	100	24.00	72,087	50	24.00	326	469,459
Sun-12/7/08	80,786	56	24.00	27,350	19	24.00	144,115	100	24.00	144,239	100	24.00	72,084	50	24.00	325	468,574
Mon-12/8/08	80,896	56	24.00	27,307	19	24.00	144,154	100	24.00	144,244	100	24.00	72,093	50	24.00	325	468,694
Tue-12/9/08	80,951	56	24.00	27,297	19	24.00	144,108	100	24.00	144,202	100	24.00	72,086	50	24.00	325	468,644
Wed-12/10/08	80,734	56	24.00	26,978	19	24.00	143,948	100	24.00	144,252	100	24.00	72,090	50	24.00	325	468,002
Thu-12/11/08	80,905	56	24.00	27,026	19	24.00	144,079	100	24.00	144,218	100	24.00	72,090	50	24.00	325	468,318
Fri-12/12/08	80,906	56	24.00	26,843	19	24.00	143,983	100	24.00	144,222	100	24.00	72,091	50	24.00	325	468,045
Sat-12/13/08	80,698	56	24.00	26,640	19	24.00	143,870	100	24.00	144,243	100	24.00	72,099	50	24.00	325	467,550
Sun-12/14/08	80,752	56	24.00	26,644	19	24.00	144,010	100	24.00	144,176	100	24.00	72,100	50	24.00	325	467,682
Mon-12/15/08	80,451	56	24.00	26,336	18	24.00	143,923	100	24.00	144,218	100	24.00	72,091	50	24.00	324	467,019
Tue-12/16/08	80,444	56	24.00	26,253	18	24.00	143,856	100	24.00	144,295	100	24.00	72,102	50	24.00	324	466,950
Wed-12/17/08	80,560	56	24.00	26,308	18	24.00	143,907	100	24.00	144,238	100	24.00	72,096	50	24.00	324	467,109
Thu-12/18/08	80,447	56	24.00	26,154	18	24.00	143,983	100	24.00	144,241	100	24.00	72,087	50	24.00	324	466,912
Fri-12/19/08	80,563	56	24.00	26,149	18	24.00	144,106	100	24.00	144,212	100	24.00	72,087	50	24.00	324	467,117
Sat-12/20/08	80,435	56	24.00	26,072	18	24.00	143,940	100	24.00	144,262	100	24.00	72,092	50	24.00	324	466,801
Sun-12/21/08	80,450	56	24.00	26,052	18	24.00	143,943	100	24.00	144,210	100	24.00	72,093	50	24.00	324	466,748
Mon-12/22/08	80,123	56	24.00	25,727	18	24.00	143,825	100	24.00	144,206	100	24.00	72,108	50	24.00	324	465,989
Tue-12/23/08	80,351	56	24.00	25,714	18	24.00	144,229	100	24.00	144,205	100	24.00	72,077	50	24.00	324	466,576
Wed-12/24/08	80,491	56	24.00	25,679	18	24.00	144,190	100	24.00	144,163	100	24.00	72,094	50	24.00	324	466,617
Thu-12/25/08	80,146	56	24.00	25,379	18	24.00	143,705	100	24.00	144,215	100	24.00	72,090	50	24.00	323	465,535
Fri-12/26/08	80,397	56	24.00	25,407	18	24.00	144,046	100	24.00	144,212	100	24.00	72,099	50	24.00	324	466,161
Sat-12/27/08	80,483	56	24.00	25,410	18	24.00	144,031	100	24.00	144,162	100	24.00	72,102	50	24.00	324	466,188
Sun-12/28/08	80,252	56	24.00	25,306	18	24.00	143,825	100	24.00	144,200	100	24.00	72,092	50	24.00	323	465,675
Mon-12/29/08	80,204	56	24.00	25,227	18	24.00	143,947	100	24.00	144,246	100	24.00	72,091	50	24.00	323	465,715
Tue-12/30/08	80,294	56	24.00	25,112	17	24.00	143,816	100	24.00	144,304	100	24.00	72,092	50	24.00	323	465,618
Wed-12/31/08	80,131	56	24.00	24,906	17	24.00	143,883	100	24.00	144,203	100	24.00	72,093	50	24.00	323	465,216
TOTALS	2,498,525	56	744.00	821,604	18	744.00	4,464,702	100	744.00	4,470,924	100	744.00	2,234,867	50	744.00	325	14,490,622

TOTAL VOLUME EXTRACTED :	14,490,622 GALLONS
DAYS IN MONTH :	31 DAYS
MONTHLY AVERAGE FLOW RATE :	324.61 GPM

MARSHY AREA EXTRACTION DATA

Month of: Dec-08

Marshy Well Extraction				Daily	Daily
Date	PW-1		Run Hrs.	Flow GPM	Total Gallons
	Gallons	GPM			
Mon-12/1/08	7,603	5	24.00	5	7,603
Tue-12/2/08	7,596	5	24.00	5	7,596
Wed-12/3/08	7,597	5	24.00	5	7,597
Thu-12/4/08	7,597	5	24.00	5	7,597
Fri-12/5/08	7,634	5	24.00	5	7,634
Sat-12/6/08	7,618	5	24.00	5	7,618
Sun-12/7/08	7,607	5	24.00	5	7,607
Mon-12/8/08	7,589	5	24.00	5	7,589
Tue-12/9/08	7,562	5	24.00	5	7,562
Wed-12/10/08	7,540	5	24.00	5	7,540
Thu-12/11/08	7,481	5	24.00	5	7,481
Fri-12/12/08	7,491	5	24.00	5	7,491
Sat-12/13/08	7,485	5	24.00	5	7,485
Sun-12/14/08	7,483	5	24.00	5	7,483
Mon-12/15/08	7,482	5	24.00	5	7,482
Tue-12/16/08	7,447	5	24.00	5	7,447
Wed-12/17/08	7,442	5	24.00	5	7,442
Thu-12/18/08	7,462	5	24.00	5	7,462
Fri-12/19/08	7,442	5	24.00	5	7,442
Sat-12/20/08	7,427	5	24.00	5	7,427
Sun-12/21/08	7,418	5	24.00	5	7,418
Mon-12/22/08	7,420	5	24.00	5	7,420
Tue-12/23/08	7,411	5	24.00	5	7,411
Wed-12/24/08	7,404	5	24.00	5	7,404
Thu-12/25/08	7,416	5	24.00	5	7,416
Fri-12/26/08	7,451	5	24.00	5	7,451
Sat-12/27/08	7,430	5	24.00	5	7,430
Sun-12/28/08	7,467	5	24.00	5	7,467
Mon-12/29/08	7,495	5	24.00	5	7,495
Tue-12/30/08	7,516	5	24.00	5	7,516
Wed-12/31/08	7,527	5	24.00	5	7,527
TOTALS	232,540	5	744.00	5	232,540

TOTAL VOLUME EXTRACTED :	232,540 GALLONS
DAYS IN MONTH :	31 DAYS
MONTHLY AVERAGE FLOW RATE :	5.21 GPM

SOUTHWEST AREA EXTRACTION DATA

Month of: Dec-08

SouthWest Well Extraction				Daily	Daily
Date	ACTIVE WELLS			Flow	Total
	Gallons	GPM	Run Hrs.	GPM	Gallons
Mon-12/1/08	60,377	42	24.00	42	60,377
Tue-12/2/08	60,091	42	24.00	42	60,091
Wed-12/3/08	60,313	42	24.00	42	60,313
Thu-12/4/08	60,281	42	24.00	42	60,281
Fri-12/5/08	60,272	42	24.00	42	60,272
Sat-12/6/08	60,388	42	24.00	42	60,388
Sun-12/7/08	60,059	42	24.00	42	60,059
Mon-12/8/08	60,126	42	24.00	42	60,126
Tue-12/9/08	60,137	42	24.00	42	60,137
Wed-12/10/08	59,951	42	24.00	42	59,951
Thu-12/11/08	60,121	42	24.00	42	60,121
Fri-12/12/08	59,969	42	24.00	42	59,969
Sat-12/13/08	59,738	41	24.00	41	59,738
Sun-12/14/08	59,763	42	24.00	42	59,763
Mon-12/15/08	59,548	41	24.00	41	59,548
Tue-12/16/08	59,570	41	24.00	41	59,570
Wed-12/17/08	59,681	41	24.00	41	59,681
Thu-12/18/08	59,562	41	24.00	41	59,562
Fri-12/19/08	59,683	41	24.00	41	59,683
Sat-12/20/08	59,674	41	24.00	41	59,674
Sun-12/21/08	59,766	42	24.00	42	59,766
Mon-12/22/08	59,447	41	24.00	41	59,447
Tue-12/23/08	59,551	41	24.00	41	59,551
Wed-12/24/08	59,648	41	24.00	41	59,648
Thu-12/25/08	59,279	41	24.00	41	59,279
Fri-12/26/08	59,365	41	24.00	41	59,365
Sat-12/27/08	59,350	41	24.00	41	59,350
Sun-12/28/08	59,178	41	24.00	41	59,178
Mon-12/29/08	59,184	41	24.00	41	59,184
Tue-12/30/08	59,148	41	24.00	41	59,148
Wed-12/31/08	58,973	41	24.00	41	58,973
TOTALS	1,852,193	41	744.00	41	1,852,193

TOTAL VOLUME EXTRACTED :	1,852,193 GALLONS
DAYS IN MONTH :	31 DAYS
MONTHLY AVERAGE FLOW RATE :	41.49 GPM

Note: ACTIVE WELLS = TW-8, TW-13, MW-50

TABLE #6

UNIT "E" EXTRACTION DATA

Month of: Dec-08

Date	TW-11			TW-12			TW-17			TW-18			Daily	Daily
	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.	Flow GPM	Total Gallons
Mon-12/1/08	-	-	-	-	-	-	180,201	125	24.00	364,641	253	24.00	378	544,842
Tue-12/2/08	-	-	-	-	-	-	180,181	125	24.00	364,659	253	24.00	378	544,840
Wed-12/3/08	-	-	-	-	-	-	177,497	123	24.00	364,658	253	24.00	376	542,155
Thu-12/4/08	-	-	-	-	-	-	167,664	116	24.00	364,696	253	24.00	370	532,360
Fri-12/5/08	-	-	-	-	-	-	169,054	117	24.00	364,673	253	24.00	371	533,727
Sat-12/6/08	-	-	-	-	-	-	172,949	120	24.00	364,688	253	24.00	373	537,637
Sun-12/7/08	-	-	-	-	-	-	172,954	120	24.00	364,717	253	24.00	373	537,671
Mon-12/8/08	-	-	-	-	-	-	172,952	120	24.00	364,688	253	24.00	373	537,640
Tue-12/9/08	-	-	-	-	-	-	172,999	120	24.00	364,668	253	24.00	373	537,667
Wed-12/10/08	-	-	-	-	-	-	172,960	120	24.00	364,676	253	24.00	373	537,636
Thu-12/11/08	-	-	-	-	-	-	172,962	120	24.00	364,678	253	24.00	373	537,640
Fri-12/12/08	-	-	-	-	-	-	180,566	125	24.00	364,714	253	24.00	379	545,280
Sat-12/13/08	-	-	-	-	-	-	187,386	130	24.00	364,729	253	24.00	383	552,115
Sun-12/14/08	-	-	-	-	-	-	187,428	130	24.00	364,713	253	24.00	383	552,141
Mon-12/15/08	-	-	-	-	-	-	187,390	130	24.00	364,728	253	24.00	383	552,118
Tue-12/16/08	-	-	-	-	-	-	187,341	130	24.00	364,795	253	24.00	383	552,136
Wed-12/17/08	-	-	-	-	-	-	187,358	130	24.00	364,780	253	24.00	383	552,138
Thu-12/18/08	-	-	-	-	-	-	187,365	130	24.00	364,812	253	24.00	383	552,177
Fri-12/19/08	-	-	-	-	-	-	187,362	130	24.00	364,817	253	24.00	383	552,179
Sat-12/20/08	-	-	-	-	-	-	187,374	130	24.00	364,827	253	24.00	383	552,201
Sun-12/21/08	-	-	-	-	-	-	187,328	130	24.00	364,865	253	24.00	383	552,193
Mon-12/22/08	-	-	-	-	-	-	182,735	127	24.00	364,870	253	24.00	380	547,605
Tue-12/23/08	-	-	-	-	-	-	180,140	125	24.00	364,858	253	24.00	378	544,998
Wed-12/24/08	-	-	-	-	-	-	180,208	125	24.00	364,783	253	24.00	378	544,991
Thu-12/25/08	-	-	-	-	-	-	180,169	125	24.00	364,808	253	24.00	378	544,977
Fri-12/26/08	-	-	-	-	-	-	180,193	125	24.00	364,798	253	24.00	378	544,991
Sat-12/27/08	-	-	-	-	-	-	180,260	125	24.00	364,748	253	24.00	378	545,008
Sun-12/28/08	-	-	-	-	-	-	180,222	125	24.00	364,721	253	24.00	378	544,943
Mon-12/29/08	-	-	-	-	-	-	180,210	125	24.00	364,745	253	24.00	378	544,955
Tue-12/30/08	-	-	-	-	-	-	180,204	125	24.00	364,769	253	24.00	378	544,973
Wed-12/31/08	-	-	-	-	-	-	180,149	125	24.00	364,806	253	24.00	378	544,955
TOTALS	-	-	-	-	-	-	5,583,761	125	744.00	11,307,128	253	744.00	378	16,890,889

TOTAL VOLUME EXTRACTED :	16,890,889 GALLONS
DAYS IN MONTH :	31 DAYS
MONTHLY AVERAGE FLOW RATE :	378.38 GPM

TABLE #7
Western System Purging

Date	Gallons Purged
12/9/2008	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

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

TABLE #8

INDIVIDUAL PURGE WELL CONCENTRATIONS

SAMPLE ID	1,4-DIOXANE (ppb)
AE-3-12-01-08-11:11	102
HZ-S-12-01-08-13:40	999
LB-1-12-01-08-11:05	490
LB-3-12-01-08-11:07	498
PW-1-12-01-08-09:36	1,047
SW-COMB-12-01-08-09:44	548
DOLPH-12-01-08-09:42	87
TW-5-12-01-08-11:50	917
TW-6-12-01-08-09:40	118
TW-8-12-01-08-12:05	513
TW-9-12-01-08-13:35	1,315
TW-10-12-01-08-13:20	972
TW-13-12-01-08-13:50	619
TW-14-12-01-08-13:28	135
TW-17-12-01-08-13:25	107
TW-18-12-01-08-09:38	424
TW-20-12-01-08-14:00	2,450
MW-50-12-01-08-12:06	730

RED POND DATA

Month of: Dec-08

			Red Pond				
Date	Time	Notes	Pond	Level	Aeration	Influent	Influent
			Visual Chk	Feet	Hours	Hours	GPM
Mon-12/1/08	03:05:00		Y	4.7	-	24.00	1,114
Tue-12/2/08	03:00:00		Y	4.7	-	24.00	1,118
Wed-12/3/08	03:00:00		Y	4.7	-	24.00	1,117
Thu-12/4/08	03:00:00		Y	4.9	-	24.00	1,110
Fri-12/5/08	03:00:00		Y	4.7	-	24.00	1,110
Sat-12/6/08	03:00:00	(1)		4.6	-	24.00	1,113
Sun-12/7/08	03:00:00	(1)		4.5	-	24.00	1,112
Mon-12/8/08	03:00:00		Y	4.4	-	24.00	1,113
Tue-12/9/08	03:00:00		Y	4.3	-	24.00	1,113
Wed-12/10/08	03:00:00		Y	4.8	-	24.00	1,112
Thu-12/11/08	03:00:00		Y	4.6	-	24.00	1,109
Fri-12/12/08	03:00:00		Y	4.5	-	24.00	1,107
Sat-12/13/08	03:00:00	(1)		4.4	-	24.00	1,122
Sun-12/14/08	03:00:00	(1)		4.4	-	24.00	1,122
Mon-12/15/08	03:00:00		Y	4.5	-	24.00	1,121
Tue-12/16/08	03:00:00		Y	4.6	-	24.00	1,121
Wed-12/17/08	03:00:00		Y	4.6	-	24.00	1,121
Thu-12/18/08	03:00:01		Y	4.7	-	24.00	1,121
Fri-12/19/08	03:00:00		Y	4.7	-	24.00	1,121
Sat-12/20/08	03:00:00	(1)		4.8	-	24.00	1,121
Sun-12/21/08	03:00:00	(1)		4.9	-	24.00	1,121
Mon-12/22/08	03:00:00		Y	4.9	-	24.00	1,117
Tue-12/23/08	03:00:00		Y	4.9	-	24.00	1,116
Wed-12/24/08	03:00:00		Y	4.9	-	24.00	1,116
Thu-12/25/08	03:00:00		Y	4.9	-	24.00	1,115
Fri-12/26/08	03:00:00		Y	4.8	-	24.00	1,115
Sat-12/27/08	03:00:00	(1)		4.8	-	24.00	1,115
Sun-12/28/08	03:00:00	(1)		4.9	-	24.00	1,115
Mon-12/29/08	03:00:00		Y	4.8	-	24.00	1,115
Tue-12/30/08	03:00:00		Y	4.7	-	24.00	1,115
Wed-12/31/08	03:00:00		Y	4.7	-	24.00	1,114
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-12-01-08-09:34	566
Red Pond-12-08-08-08:15	602
Red Pond-12-15-08-08:00	595
Red Pond-12-22-08-07:49	600
Red Pond-12-29-08-07:15	604

OZONE OPERATION REPORT

Month of: Dec-08

Date	Time	Notes	SYSTEM-1A		SYSTEM-1B		SYSTEM-2A		SYSTEM-2B	
			Flow GPM	Run Hours	Flow GPM	Run Hours	Flow GPM	Run Hours	Flow GPM	Run Hours
Mon-12/1/08	03:07:00		369	24.00	369	24.00	370	24.00	0	0.00
Tue-12/2/08	03:00:00		370	24.00	369	24.00	370	24.00	0	0.00
Wed-12/3/08	03:00:00		369	24.00	370	24.00	370	24.00	0	0.00
Thu-12/4/08	03:00:00		370	24.00	370	24.00	370	24.00	0	0.00
Fri-12/5/08	03:00:00		370	24.00	370	24.00	371	24.00	0	0.00
Sat-12/6/08	03:00:00	(1)	370	24.00	370	24.00	371	24.00	0	0.00
Sun-12/7/08	03:00:00	(1)	370	24.00	370	24.00	371	24.00	0	0.00
Mon-12/8/08	03:00:00		370	24.00	370	24.00	370	24.00	0	0.00
Tue-12/9/08	03:00:00		370	24.00	371	24.00	370	24.00	0	0.00
Wed-12/10/08	03:00:00		370	24.00	370	24.00	370	24.00	0	0.00
Thu-12/11/08	03:00:00		370	24.00	370	24.00	371	24.00	0	0.00
Fri-12/12/08	03:00:00		370	24.00	370	24.00	370	24.00	0	0.00
Sat-12/13/08	03:00:00	(1)	370	24.00	370	24.00	371	24.00	0	0.00
Sun-12/14/08	03:00:00	(1)	370	24.00	371	24.00	371	24.00	0	0.00
Mon-12/15/08	03:00:00		370	24.00	370	24.00	370	24.00	0	0.00
Tue-12/16/08	03:00:00		370	24.00	370	24.00	370	24.00	0	0.00
Wed-12/17/08	03:00:00		370	24.00	370	24.00	371	24.00	0	0.00
Thu-12/18/08	03:00:01		370	24.00	370	24.00	371	24.00	0	0.00
Fri-12/19/08	03:00:00		370	24.00	370	24.00	370	24.00	0	0.00
Sat-12/20/08	03:00:00	(1)	370	24.00	370	24.00	370	24.00	0	0.00
Sun-12/21/08	03:00:00	(1)	370	24.00	370	24.00	371	24.00	0	0.00
Mon-12/22/08	03:00:00		370	24.00	370	24.00	370	24.00	0	0.00
Tue-12/23/08	03:00:00		370	24.00	370	24.00	371	24.00	0	0.00
Wed-12/24/08	03:00:00		370	24.00	370	24.00	371	24.00	0	0.00
Thu-12/25/08	03:00:00		370	24.00	369	24.00	370	24.00	0	0.00
Fri-12/26/08	03:00:00		370	24.00	370	24.00	371	24.00	0	0.00
Sat-12/27/08	03:00:00	(1)	370	24.00	370	24.00	370	24.00	0	0.00
Sun-12/28/08	03:00:00	(1)	370	24.00	370	24.00	370	24.00	0	0.00
Mon-12/29/08	03:00:00		370	24.00	370	24.00	371	24.00	0	0.00
Tue-12/30/08	03:00:00		370	24.00	370	24.00	370	24.00	0	0.00
Wed-12/31/08	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.

TABLE #12

GREEN POND / DISCHARGE DATA

Month of: **Dec-08**

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				
Mon-12/1/08	03:05:00		Y	-	-									1,144	1,648,005	24.00	-	-	-	-	-	-	
Tue-12/2/08	03:00:00		Y	-	-									1,144	1,647,293	24.00	-	-	-	-	-	-	
Wed-12/3/08	03:00:00		Y	-	-									1,128	1,624,341	24.00	-	-	-	-	-	-	
Thu-12/4/08	03:00:00		Y	-	-									1,144	1,647,302	24.00	-	-	-	-	-	-	
Fri-12/5/08	03:00:00		Y	-	-									1,144	1,647,022	24.00	-	-	-	-	-	-	
Sat-12/6/08	03:00:00	(1)		-	-									1,144	1,647,156	24.00	-	-	-	-	-	-	
Sun-12/7/08	03:00:00	(1)		-	-									1,144	1,647,192	24.00	-	-	-	-	-	-	
Mon-12/8/08	03:00:00		Y	-	-									1,144	1,647,397	24.00	-	-	-	-	-	-	
Tue-12/9/08	03:00:00		Y	-	-									1,144	1,648,026	24.00	-	-	-	-	-	-	
Wed-12/10/08	03:00:00		Y	-	-									1,144	1,647,643	24.00	-	-	-	-	-	-	
Thu-12/11/08	03:00:00		Y	-	-									1,144	1,647,626	24.00	-	-	-	-	-	-	
Fri-12/12/08	03:00:00		Y	-	-									1,144	1,647,556	24.00	-	-	-	-	-	-	
Sat-12/13/08	03:00:00	(1)		-	-									1,144	1,647,092	24.00	-	-	-	-	-	-	
Sun-12/14/08	03:00:00	(1)		-	-									1,144	1,647,371	24.00	-	-	-	-	-	-	
Mon-12/15/08	03:00:00		Y	-	-									1,144	1,646,938	24.00	-	-	-	-	-	-	
Tue-12/16/08	03:00:00		Y	-	-									1,144	1,647,204	24.00	-	-	-	-	-	-	
Wed-12/17/08	03:00:00		Y	-	-									1,144	1,647,363	24.00	-	-	-	-	-	-	
Thu-12/18/08	03:00:01		Y	-	-									1,144	1,647,235	24.00	-	-	-	-	-	-	
Fri-12/19/08	03:00:00		Y	-	-									1,144	1,646,855	24.00	-	-	-	-	-	-	
Sat-12/20/08	03:00:00	(1)		-	-									1,144	1,647,615	24.00	-	-	-	-	-	-	
Sun-12/21/08	03:00:00	(1)		-	-									1,144	1,646,850	24.00	-	-	-	-	-	-	
Mon-12/22/08	03:00:00		Y	-	-									1,143	1,646,552	24.00	-	-	-	-	-	-	
Tue-12/23/08	03:00:00		Y	-	-									1,144	1,646,920	24.00	-	-	-	-	-	-	
Wed-12/24/08	03:00:00		Y	-	-									1,144	1,647,839	24.00	-	-	-	-	-	-	
Thu-12/25/08	03:00:00		Y	-	-									1,144	1,647,277	24.00	-	-	-	-	-	-	
Fri-12/26/08	03:00:00		Y	-	-									1,144	1,647,667	24.00	-	-	-	-	-	-	
Sat-12/27/08	03:00:00	(1)		-	-									1,145	1,648,827	24.00	-	-	-	-	-	-	
Sun-12/28/08	03:00:00	(1)		-	-									1,144	1,648,068	24.00	-	-	-	-	-	-	
Mon-12/29/08	03:00:00		Y	-	-									1,145	1,648,085	24.00	-	-	-	-	-	-	
Tue-12/30/08	03:00:00		Y	-	-									1,145	1,648,262	24.00	-	-	-	-	-	-	
Wed-12/31/08	03:00:00		Y	-	-									1,144	1,647,672	24.00	-	-	-	-	-	-	
TOTALS															51,048,251	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 #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
12/1/2008	1.648	0.566	4	0	yes	yes	6.67	7	
12/2/2008	1.647		5	0	no	no	6.65	7	42
12/3/2008	1.624		5	0	no	no	6.63	6	
12/4/2008	1.647		4	0	no	yes	6.67	7	40
12/5/2008	1.647			0	no	no	6.63		
12/6/2008	1.647								
12/7/2008	1.647		5					6	
12/8/2008	1.647	0.602	5	0	yes	yes	6.63	6	
12/9/2008	1.648		5	0	no	no	6.63	5	39
12/10/2008	1.648		5	0	no	no	6.6	5	
12/11/2008	1.648		5	0	no	yes	6.62	5	41
12/12/2008	1.648			0	no	no	6.65		
12/13/2008	1.647								
12/14/2008	1.647		5					6	
12/15/2008	1.647	0.595	5	0	yes	yes	6.57	6	
12/16/2008	1.647		5	0	no	no	6.65	6	45
12/17/2008	1.647		5	0	no	no	6.59	6	
12/18/2008	1.647		5	0	no	yes	6.59	6	36
12/19/2008	1.647			0	no	no	6.63		
12/20/2008	1.648								
12/21/2008	1.647		5					6	
12/22/2008	1.647	0.6	5	0	yes	yes	6.61	6	38
12/23/2008	1.647		5	0	no	no	6.62	6	
12/24/2008	1.648			0	no	no	6.64		42
12/25/2008	1.647		5		no	no		0	
12/26/2008	1.648			0	no	yes	6.68		
12/27/2008	1.649								
12/28/2008	1.648		5					5	
12/29/2008	1.648	0.604	5	0	yes	yes	6.62	6	
12/30/2008	1.648		5	0	no	no	6.57	6	40
12/31/2008	1.648			0	no	no	6.64		
Discharged (mg)	51.048								
Monthly Avg			5					6	

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 .1 ppm)