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July 11, 2019

Claire Dijak
Surface Water Quality Division
Michigan Department of EGLE
301 East Louis Glick Highway
Jackson, Michigan 49201

**Re: Monitoring Report # 266
June 1 – June 30, 2019**

Dear Ms. Dijak:

Pursuant to the National Pollutant Discharge Elimination System (NPDES) Permit No. MI0048453, please find the enclosed Monitoring Report for the period of June 1 through June 30, 2019.

Should you have any questions or concerns regarding this report, please contact me at 386-562-0176.

Sincerely,

A handwritten signature in cursive script that reads "Lawrence J. Gelb".

Lawrence J. Gelb
Sr. Director Global EHS

cc: Dan Hamel, MDEQ
Supervisor, Scio Twp.
City of Ann Arbor



EXTRACTION DATA

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

OZONE OPERATION DATA

- TABLE #11 - OZONE OPERATION REPORT**

DISCHARGE DATA

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

UNIT D2 UPGRADIENT EXTRACTION DATA

Month of: **Jun-19**

Date	Horizontal Well Extraction			TW-9			TW-5			TW-21			Daily Flow	Daily Total
	HW-S Gallons	GPM	Run Hrs.	TW-9 Gallons	GPM	Run Hrs.	TW-5 Gallons	GPM	Run Hrs.	TW-21 Gallons	GPM	Run Hrs.	GPM	Gallons
Sat-6/1/19	-	-	-	-	-	-	-	-	-	86,620	60	24.00	60	86,620
Sun-6/2/19	-	-	-	-	-	-	-	-	-	86,538	60	24.00	60	86,538
Mon-6/3/19	106	25	0.07	4,201	102	0.68	-	-	-	86,477	60	24.00	63	90,784
Tue-6/4/19	-	-	-	-	-	-	-	-	-	86,539	60	24.00	60	86,539
Wed-6/5/19	-	-	-	-	-	-	-	-	-	86,613	60	24.00	60	86,613
Thu-6/6/19	-	-	-	-	-	-	-	-	-	86,509	60	24.00	60	86,509
Fri-6/7/19	-	-	-	-	-	-	-	-	-	86,579	60	24.00	60	86,579
Sat-6/8/19	-	-	-	-	-	-	-	-	-	86,668	60	24.00	60	86,668
Sun-6/9/19	-	-	-	-	-	-	-	-	-	86,598	60	24.00	60	86,598
Mon-6/10/19	-	-	-	-	-	-	-	-	-	29,235	60	8.12	20	29,235
Tue-6/11/19	-	-	-	6,036	104	0.97	-	-	-	62,118	61	16.97	47	68,154
Wed-6/12/19	-	-	-	-	-	-	-	-	-	86,613	60	24.00	60	86,613
Thu-6/13/19	-	-	-	-	-	-	-	-	-	86,529	60	24.00	60	86,529
Fri-6/14/19	-	-	-	-	-	-	-	-	-	86,576	60	24.00	60	86,576
Sat-6/15/19	-	-	-	-	-	-	-	-	-	86,557	60	24.00	60	86,557
Sun-6/16/19	-	-	-	-	-	-	-	-	-	86,412	60	23.98	60	86,412
Mon-6/17/19	-	-	-	-	-	-	-	-	-	30,249	60	8.40	21	30,249
Tue-6/18/19	-	-	-	-	-	-	-	-	-	-	-	-	0	-
Wed-6/19/19	-	-	-	-	-	-	-	-	-	-	-	-	0	-
Thu-6/20/19	-	-	-	-	-	-	-	-	-	45,167	66	11.40	31	45,167
Fri-6/21/19	-	-	-	-	-	-	-	-	-	98,366	68	24.00	68	98,366
Sat-6/22/19	-	-	-	-	-	-	-	-	-	98,423	68	24.00	68	98,423
Sun-6/23/19	-	-	-	-	-	-	-	-	-	98,464	68	24.00	68	98,464
Mon-6/24/19	-	-	-	-	-	-	-	-	-	98,429	68	24.00	68	98,429
Tue-6/25/19	-	-	-	-	-	-	-	-	-	98,400	68	24.00	68	98,400
Wed-6/26/19	-	-	-	-	-	-	-	-	-	98,413	68	24.00	68	98,413
Thu-6/27/19	-	-	-	-	-	-	-	-	-	98,444	68	24.00	68	98,444
Fri-6/28/19	-	-	-	-	-	-	-	-	-	98,426	68	24.00	68	98,426
Sat-6/29/19	-	-	-	-	-	-	-	-	-	98,459	68	24.00	68	98,459
Sun-6/30/19	-	-	-	-	-	-	-	-	-	98,429	68	24.00	68	98,429
TOTALS	106	25	0.07	10,237	103	1.65	-	-	-	2,362,850	63	620.87	55	2,373,193

TOTAL VOLUME EXTRACTED :	2,373,193 GALLONS
DAYS IN MONTH :	30 DAYS
MONTHLY AVERAGE FLOW RATE :	54.94 GPM

6/10/19 - 6/11/19 - TW-21 was shut down due to DTE Energy power surge.
 6/17/19 - 6/20/19 - Extraction was shut down for Pond cleaning.

UNIT D2 DOWNGRADE EXTRACTION DATA

Month of: **Jun-19**

Date	LB-1			LB-4			Daily	Daily
	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.	Flow GPM	Total Gallons
Sat-6/1/19	-	-	-	144,188	100	24.00	100	144,188
Sun-6/2/19	-	-	-	144,166	100	24.00	100	144,166
Mon-6/3/19	-	-	-	144,194	100	24.00	100	144,194
Tue-6/4/19	-	-	-	144,215	100	24.00	100	144,215
Wed-6/5/19	-	-	-	144,203	100	24.00	100	144,203
Thu-6/6/19	-	-	-	144,182	100	24.00	100	144,182
Fri-6/7/19	-	-	-	144,176	100	24.00	100	144,176
Sat-6/8/19	-	-	-	144,221	100	24.00	100	144,221
Sun-6/9/19	-	-	-	144,189	100	24.00	100	144,189
Mon-6/10/19	-	-	-	144,159	100	24.00	100	144,159
Tue-6/11/19	-	-	-	144,207	100	24.00	100	144,207
Wed-6/12/19	-	-	-	144,216	100	24.00	100	144,216
Thu-6/13/19	-	-	-	144,203	100	24.00	100	144,203
Fri-6/14/19	-	-	-	144,163	100	24.00	100	144,163
Sat-6/15/19	-	-	-	144,208	100	24.00	100	144,208
Sun-6/16/19	-	-	-	144,215	100	24.00	100	144,215
Mon-6/17/19	-	-	-	56,416	100	9.40	39	56,416
Tue-6/18/19	-	-	-	-	-	-	0	-
Wed-6/19/19	-	-	-	47,870	100	7.96	33	47,870
Thu-6/20/19	-	-	-	144,179	100	24.00	100	144,179
Fri-6/21/19	-	-	-	141,756	100	23.60	98	141,756
Sat-6/22/19	-	-	-	144,200	100	24.00	100	144,200
Sun-6/23/19	-	-	-	144,201	100	24.00	100	144,201
Mon-6/24/19	-	-	-	144,156	100	24.00	100	144,156
Tue-6/25/19	-	-	-	144,207	100	24.00	100	144,207
Wed-6/26/19	-	-	-	144,189	100	24.00	100	144,189
Thu-6/27/19	-	-	-	144,142	100	24.00	100	144,142
Fri-6/28/19	-	-	-	144,155	100	24.00	100	144,155
Sat-6/29/19	-	-	-	144,192	100	24.00	100	144,192
Sun-6/30/19	-	-	-	144,219	100	24.00	100	144,219
TOTALS	-	-	-	3,994,987	100	664.96	89	3,994,987

TOTAL VOLUME EXTRACTED :	3,994,987 GALLONS
DAYS IN MONTH :	30 DAYS
MONTHLY AVERAGE FLOW RATE :	92.48 GPM

6/17/19 - 6/19/19 - Extraction was shut down for Pond cleaning.

TABLE #3

CORE AREA EXTRACTION DATA

Month of: Jun-19

Core Area Well Extraction																Daily	Daily			
Date	TW-1			TW-2 (Dolph)			TW-3			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.	Gallons	GPM	Run Hrs.	GPM	Gallons
Sat-6/1/19	-	-	-	16,103	11	24.00	-	-	-	-	-	-	-	-	43,162	30	24.00	41	59,265	
Sun-6/2/19	-	-	-	15,648	11	24.00	-	-	-	-	-	-	-	-	43,133	30	24.00	41	58,781	
Mon-6/3/19	-	-	-	15,681	11	24.00	-	-	-	1,240	39	0.53	1,692	51	0.55	43,049	30	24.00	43	61,662
Tue-6/4/19	-	-	-	15,696	11	24.00	-	-	-	-	-	-	-	-	42,879	30	24.00	41	58,575	
Wed-6/5/19	-	-	-	15,690	11	24.00	-	-	-	-	-	-	-	-	42,838	30	24.00	41	58,528	
Thu-6/6/19	-	-	-	15,644	11	24.00	-	-	-	-	-	-	-	-	42,962	30	24.00	41	58,606	
Fri-6/7/19	-	-	-	15,648	11	24.00	-	-	-	-	-	-	-	-	43,255	30	24.00	41	58,903	
Sat-6/8/19	-	-	-	16,159	11	24.00	-	-	-	-	-	-	-	-	43,174	30	24.00	41	59,333	
Sun-6/9/19	-	-	-	16,565	12	24.00	-	-	-	-	-	-	-	-	43,169	30	24.00	41	59,734	
Mon-6/10/19	-	-	-	16,562	12	24.00	-	-	-	-	-	-	-	-	43,180	30	24.00	41	59,742	
Tue-6/11/19	-	-	-	16,376	11	24.00	-	-	-	29,685	29	17.33	2,851	50	0.95	43,268	30	23.98	64	92,180
Wed-6/12/19	-	-	-	16,139	11	23.72	-	-	-	32,028	22	24.00	-	-	-	37,817	26	24.00	60	85,984
Thu-6/13/19	-	-	-	15,968	11	24.00	-	-	-	30,572	21	24.00	-	-	-	35,778	25	24.00	57	82,318
Fri-6/14/19	-	-	-	15,987	11	24.00	-	-	-	29,102	20	24.00	-	-	-	35,952	25	24.00	56	81,041
Sat-6/15/19	-	-	-	15,990	11	24.00	-	-	-	24,215	20	19.95	-	-	-	35,919	25	24.00	53	76,124
Sun-6/16/19	-	-	-	12,115	12	17.17	-	-	-	-	-	-	-	-	27,032	25	18.00	27	39,147	
Mon-6/17/19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tue-6/18/19	-	-	-	-	-	-	-	-	-	-	-	-	4,733	35	2.27	-	-	-	3	4,733
Wed-6/19/19	-	-	-	732	41	0.30	-	-	-	-	-	-	-	-	-	-	-	-	41	732
Thu-6/20/19	-	-	-	16,361	36	7.60	-	-	-	-	-	-	-	-	15,321	25	10.27	22	31,682	
Fri-6/21/19	-	-	-	19,902	15	21.93	-	-	-	-	-	-	-	-	36,010	25	24.00	39	55,912	
Sat-6/22/19	-	-	-	16,116	11	24.00	-	-	-	-	-	-	-	-	35,955	25	24.00	36	52,071	
Sun-6/23/19	-	-	-	16,196	11	24.00	-	-	-	-	-	-	-	-	36,054	25	24.00	36	52,250	
Mon-6/24/19	-	-	-	16,064	11	24.00	-	-	-	-	-	-	-	-	35,963	25	24.00	36	52,027	
Tue-6/25/19	-	-	-	16,156	11	24.00	-	-	-	-	-	-	-	-	35,853	25	24.00	36	52,009	
Wed-6/26/19	-	-	-	16,663	12	24.00	-	-	-	-	-	-	-	-	35,852	25	24.00	36	52,515	
Thu-6/27/19	-	-	-	16,655	12	24.00	-	-	-	-	-	-	-	-	35,807	25	24.00	36	52,462	
Fri-6/28/19	-	-	-	16,582	12	24.00	-	-	-	-	-	-	-	-	36,050	25	24.00	37	52,632	
Sat-6/29/19	-	-	-	16,545	11	24.00	-	-	-	-	-	-	-	-	36,093	25	24.00	37	52,638	
Sun-6/30/19	-	-	-	16,556	11	24.00	-	-	-	-	-	-	-	-	36,201	25	24.00	37	52,757	
TOTALS	-	-	-	436,499	13	622.72	-	-	-	146,842	25	109.82	9,276	45	3.77	1,021,726	27	628.25	40	1,614,343

TOTAL VOLUME EXTRACTED :	1,614,343 GALLONS
DAYS IN MONTH :	30 DAYS
MONTHLY AVERAGE FLOW RATE :	37.37 GPM

6/16/19 - 6/20/19 - Extraction was shut down for Pond cleaning.
 6/21/19 - Dolph was shut down briefly for maintenance.

MARSHY AREA EXTRACTION DATA

Month of: **Jun-19**

Marshy Well Extraction				Daily	Daily
Date	PW-1		Run Hrs.	Flow	Total
	Gallons	GPM		GPM	Gallons
Sat-6/1/19	1,171	1	24.00	1	1,171
Sun-6/2/19	1,172	1	24.00	1	1,172
Mon-6/3/19	1,171	1	24.00	1	1,171
Tue-6/4/19	1,165	1	24.00	1	1,165
Wed-6/5/19	1,155	1	24.00	1	1,155
Thu-6/6/19	1,156	1	24.00	1	1,156
Fri-6/7/19	1,151	1	24.00	1	1,151
Sat-6/8/19	1,151	1	24.00	1	1,151
Sun-6/9/19	1,145	1	24.00	1	1,145
Mon-6/10/19	1,162	1	24.00	1	1,162
Tue-6/11/19	1,159	1	24.00	1	1,159
Wed-6/12/19	471	1	7.11	0	471
Thu-6/13/19	716	1	9.27	0	716
Fri-6/14/19	1,789	1	24.00	1	1,789
Sat-6/15/19	1,811	1	24.00	1	1,811
Sun-6/16/19	1,818	1	24.00	1	1,818
Mon-6/17/19	364	1	4.73	0	364
Tue-6/18/19	-	-	-	-	-
Wed-6/19/19	-	-	-	-	-
Thu-6/20/19	664	2	5.38	0	664
Fri-6/21/19	893	1	13.07	1	893
Sat-6/22/19	-	-	-	-	-
Sun-6/23/19	-	-	-	-	-
Mon-6/24/19	-	-	-	-	-
Tue-6/25/19	-	-	-	-	-
Wed-6/26/19	654	0	24.00	0	654
Thu-6/27/19	976	1	24.00	1	976
Fri-6/28/19	978	1	24.00	1	978
Sat-6/29/19	989	1	24.00	1	989
Sun-6/30/19	991	1	24.00	1	991
TOTALS	25,872	1	495.56	1	25,872

TOTAL VOLUME EXTRACTED :	25,872 GALLONS
DAYS IN MONTH :	30 DAYS
MONTHLY AVERAGE FLOW RATE :	0.60 GPM

PW-1 was shut down intermittently due to flow fluctuations
 6/17/19 - 6/20/19 - Extraction was shut down for Pond cleaning.

SOUTHWEST AREA EXTRACTION DATA

Month of: **Jun-19**

SouthWest Well Extraction							Daily	Daily
Date	TW22			TW28			Flow	Total
	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.	GPM	Gallons
Sat-6/1/19	1,574	<2	24.00	30,725	21	24.00	22	32,299
Sun-6/2/19	1,548	<2	24.00	31,748	22	24.00	23	33,296
Mon-6/3/19	1,525	<2	24.00	31,709	22	24.00	23	33,234
Tue-6/4/19	1,518	<2	24.00	31,677	22	24.00	23	33,195
Wed-6/5/19	1,500	<2	24.00	31,673	22	24.00	23	33,173
Thu-6/6/19	1,450	<2	24.00	31,675	22	24.00	23	33,125
Fri-6/7/19	1,433	<2	24.00	31,641	22	24.00	23	33,074
Sat-6/8/19	1,428	<2	24.00	31,626	22	24.00	23	33,054
Sun-6/9/19	1,413	<2	24.00	31,605	22	24.00	23	33,018
Mon-6/10/19	1,402	<2	24.00	31,612	22	24.00	23	33,014
Tue-6/11/19	1,339	<2	24.00	31,550	22	24.00	23	32,889
Wed-6/12/19	1,380	<2	24.00	31,274	22	24.00	23	32,654
Thu-6/13/19	1,349	<2	24.00	31,553	22	24.00	23	32,902
Fri-6/14/19	1,331	<2	24.00	31,532	22	24.00	23	32,863
Sat-6/15/19	1,331	<2	24.00	31,491	22	24.00	23	32,822
Sun-6/16/19	1,342	<2	24.00	31,460	22	24.00	23	32,802
Mon-6/17/19	565	<2	10.22	13,395	22	10.00	10	13,960
Tue-6/18/19	-	-	-	-	-	-	-	-
Wed-6/19/19	-	-	-	-	-	-	-	-
Thu-6/20/19	-	-	-	11,685	22	9.00	8	11,685
Fri-6/21/19	629	<2	9.25	27,249	19	24.00	19	27,878
Sat-6/22/19	1,586	<2	23.80	17,514	12	24.00	13	19,100
Sun-6/23/19	1,128	<2	21.47	17,607	12	24.00	13	18,735
Mon-6/24/19	-	-	-	17,575	12	24.00	12	17,575
Tue-6/25/19	-	-	-	17,517	12	24.00	12	17,517
Wed-6/26/19	-	-	-	24,454	17	24.00	17	24,454
Thu-6/27/19	80	<2	0.80	36,057	25	24.00	25	36,137
Fri-6/28/19	35	2	0.25	35,959	25	24.00	25	35,994
Sat-6/29/19	-	-	-	35,900	25	24.00	25	35,900
Sun-6/30/19	-	-	-	35,753	25	24.00	25	35,753
TOTALS	26,886	<2	449.78	795,216	21	643.00	20	822,102

TOTAL VOLUME EXTRACTED :	822,102 GALLONS
DAYS IN MONTH :	30 DAYS
MONTHLY AVERAGE FLOW RATE :	19.03 GPM

TW-22 volume calculated based on run time due to low flow.
 6/17/19 - 6/20/19 - Extraction was shut down for Pond cleaning.

TABLE #6

UNIT "E" EXTRACTION DATA

Month of: **Jun-19**

Date	TW-11			TW-12			TW-17			TW-18			TW-19			TW-23			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.	Gallons	GPM	Run Hrs.		
Sat-6/1/19	-	-	-	-	-	-	-	-	219,290	152	24.00	43,978	31	24.00	99,248	69	24.00	252	362,516	
Sun-6/2/19	-	-	-	-	-	-	-	-	219,194	152	24.00	43,947	31	24.00	99,197	69	24.00	252	362,338	
Mon-6/3/19	-	-	-	-	-	-	2,530	77	0.55	218,839	152	24.00	44,041	31	24.00	99,267	69	23.98	253	364,677
Tue-6/4/19	-	-	-	-	-	-	-	-	219,166	152	24.00	44,222	31	24.00	99,393	69	24.00	252	362,781	
Wed-6/5/19	-	-	-	-	-	-	-	-	219,250	152	24.00	44,208	31	24.00	99,347	69	24.00	252	362,805	
Thu-6/6/19	-	-	-	-	-	-	-	-	219,316	152	24.00	44,193	31	24.00	99,252	69	24.00	252	362,761	
Fri-6/7/19	-	-	-	-	-	-	-	-	218,100	151	24.00	44,162	31	24.00	99,219	69	24.00	251	361,481	
Sat-6/8/19	-	-	-	-	-	-	-	-	219,272	152	24.00	44,108	31	24.00	99,154	69	24.00	252	362,534	
Sun-6/9/19	-	-	-	-	-	-	-	-	219,220	152	24.00	44,102	31	24.00	99,158	69	24.00	252	362,480	
Mon-6/10/19	-	-	-	-	-	-	-	-	71,498	148	8.05	44,090	31	24.00	99,278	69	24.00	149	214,866	
Tue-6/11/19	-	-	-	-	-	-	4,286	75	0.95	152,759	152	16.73	44,283	31	24.00	99,219	69	24.00	209	300,547
Wed-6/12/19	-	-	-	-	-	-	-	-	218,854	152	23.98	44,263	31	24.00	99,185	69	24.00	252	362,302	
Thu-6/13/19	-	-	-	-	-	-	-	-	219,205	152	24.00	44,246	31	24.00	99,188	69	24.00	252	362,639	
Fri-6/14/19	-	-	-	-	-	-	-	-	219,277	152	24.00	44,246	31	24.00	99,184	69	24.00	252	362,707	
Sat-6/15/19	-	-	-	-	-	-	-	-	219,257	152	24.00	44,217	31	24.00	99,180	69	24.00	252	362,654	
Sun-6/16/19	-	-	-	-	-	-	-	-	201,513	140	23.98	44,232	31	24.00	99,211	69	24.00	240	344,956	
Mon-6/17/19	-	-	-	-	-	-	-	-	34,925	102	5.72	13,042	31	7.08	29,292	69	7.08	54	77,259	
Tue-6/18/19	-	-	-	-	-	-	6,617	50	2.22	-	-	-	-	-	-	-	-	5	6,617	
Wed-6/19/19	-	-	-	-	-	-	-	-	50,606	114	7.42	19,467	32	10.27	42,351	69	10.25	78	112,424	
Thu-6/20/19	-	-	-	-	-	-	-	-	161,146	112	23.98	44,233	31	23.53	97,144	69	23.52	210	302,523	
Fri-6/21/19	-	-	-	-	-	-	-	-	220,459	153	24.00	44,438	31	24.00	99,103	69	24.00	253	364,000	
Sat-6/22/19	-	-	-	-	-	-	-	-	237,514	165	24.00	44,555	31	24.00	99,184	69	24.00	265	381,253	
Sun-6/23/19	-	-	-	-	-	-	-	-	237,581	165	24.00	44,618	31	24.00	99,169	69	24.00	265	381,368	
Mon-6/24/19	-	-	-	-	-	-	-	-	237,655	165	24.00	44,694	31	24.00	99,249	69	24.00	265	381,598	
Tue-6/25/19	-	-	-	-	-	-	-	-	237,781	165	24.00	44,713	31	24.00	99,343	69	24.00	265	381,837	
Wed-6/26/19	-	-	-	-	-	-	-	-	237,796	165	24.00	44,724	31	24.00	99,300	69	24.00	265	381,820	
Thu-6/27/19	-	-	-	-	-	-	-	-	237,802	165	24.00	44,742	31	24.00	99,266	69	24.00	265	381,810	
Fri-6/28/19	-	-	-	-	-	-	-	-	237,862	165	24.00	44,750	31	24.00	99,270	69	24.00	265	381,882	
Sat-6/29/19	-	-	-	-	-	-	-	-	237,870	165	24.00	44,748	31	24.00	99,270	69	24.00	265	381,888	
Sun-6/30/19	-	-	-	-	-	-	-	-	237,788	165	24.00	44,745	31	24.00	99,255	69	24.00	265	381,788	
TOTALS	-	-	-	-	-	-	13,433	67	3.72	5,880,795	151	637.87	1,230,007	31	664.88	2,748,876	69	664.83	229	9,873,111

TOTAL VOLUME EXTRACTED : 9,873,111 GALLONS
DAYS IN MONTH : 30 DAYS
MONTHLY AVERAGE FLOW RATE : 228.54 GPM

6/10/19 - 6/11/19 - TW-18 was shut down due to a DTE Energy power surge.
 6/17/19 - 6/19/19 - Extraction was shut down for Pond cleaning.

TABLE #7

Little Lake Area System

MW-53i	
Date	1,4-Dioxane ug/L
03/11/19	30
04/03/19	50
05/01/19	56
06/04/19	100

A2 Cleaning Supply Well	
Date	1,4-Dioxane ug/L
04/03/19	91
05/01/19	87
06/04/19	87
06/13/19	76

Date	Gallons Purged
6/13/2019	28,000

TABLE #8

INDIVIDUAL PURGE WELL CONCENTRATIONS

SAMPLE ID	Date Sampled	1,4-DIOXANE (ppb)
DOLPH-06-12-19-09:40-1	06/12/19	110
TW-10-06-03-19-09:44-1	06/03/19	270
TW-10-06-12-19-09:59-1	06/12/19	350
TW-14-06-03-19-09:51-1	06/03/19	18
TW-20-06-12-19-10:04-1	06/12/19	880
HZ-S-06-03-19-10:10-1	06/03/19	930
LB-4-06-12-19-09:12-1	06/12/19	440
TW-21-06-12-19-09:33-1	06/12/19	210
TW-9-06-03-19-09:56-1	06/03/19	500
TW-17-06-03-19-09:48-1	06/03/19	350
TW-18-06-12-19-10:15-1	06/12/19	240
TW-19-06-12-19-08:30-1	06/12/19	590
TW-23-06-12-19-08:29-1	06/12/19	430
PW-1-06-12-19-10:12-1	06/12/19	670
TW-22-06-12-19-09:45-1	06/12/19	420
TW-28-06-12-19-09:44-1	06/12/19	640

RED POND DATA

Month of: **Jun-19**

Date	Time	Notes	Red Pond				
			Pond	Level	Aeration	Influent	Influent
			Visual Chk	Feet	Hours	Hours	GPM
Sat-6/1/19	4:00:00	(1)		6.5	-	24.00	476
Sun-6/2/19	4:00:00	(1)		6.4	-	24.00	477
Mon-6/3/19	4:00:00		Y	6.3	-	24.00	483
Tue-6/4/19	4:00:00		Y	6.3	-	24.00	477
Wed-6/5/19	4:00:00		Y	6.1	-	24.00	477
Thu-6/6/19	4:00:00		Y	6.0	-	24.00	477
Fri-6/7/19	4:00:00		Y	5.9	-	23.90	478
Sat-6/8/19	4:00:00	(1)		5.8	-	24.00	477
Sun-6/9/19	4:00:00	(1)		5.6	-	24.00	477
Mon-6/10/19	4:00:00		Y	5.5	-	24.00	335
Tue-6/11/19	4:00:00		Y	3.1	-	24.00	444
Wed-6/12/19	4:00:00		Y	2.8	-	24.00	495
Thu-6/13/19	4:00:00		Y	3.2	-	24.00	493
Fri-6/14/19	4:00:00		Y	3.6	-	24.00	492
Sat-6/15/19	4:00:00	(1)		3.7	-	24.00	489
Sun-6/16/19	4:00:00	(1)		3.8	-	24.00	451
Mon-6/17/19	4:00:00		Y	2.9	-	10.22	291
Tue-6/18/19	4:00:00		Y	-	-	2.27	83
Wed-6/19/19	4:00:00		Y	-	-	10.27	261
Thu-6/20/19	4:00:00		Y	3.1	-	19.30	463
Fri-6/21/19	4:00:00		Y	5.7	-	24.00	478
Sat-6/22/19	4:00:00	(1)		5.6	-	24.00	483
Sun-6/23/19	4:00:00	(1)		5.5	-	24.00	483
Mon-6/24/19	4:00:00		Y	5.4	-	24.00	482
Tue-6/25/19	4:00:00		Y	5.5	-	24.00	482
Wed-6/26/19	4:00:00		Y	5.4	-	24.00	488
Thu-6/27/19	4:00:00		Y	5.4	-	24.00	496
Fri-6/28/19	4:00:00		Y	5.6	-	24.00	496
Sat-6/29/19	4:00:00	(1)		5.7	-	24.00	496
Sun-6/30/19	4:00:00	(1)		5.8	-	24.00	496
TOTALS			-	-	-	666	

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-06-03-19-09:30-1	6/3/2019	370
Red Pond-06-11-19-07:47-1	6/11/2019	430
Red Pond-06-12-19-10:27-1	6/12/2019	350
Red Pond-06-17-19-06:54-1	6/17/2019	360
Red Pond-06-20-19-14:00-1	6/20/2019	320
Red Pond-06-21-19-07:30-1	6/21/2019	360
Red Pond-06-24-19-08:04-1	6/24/2019	340

Analyte value quantified from a dilution, reporting limit is raised to reflect dilution

OZONE OPERATION REPORT

Month of: **6/1/2019**

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
6/1/2019	4:00:00	(1)	240	24.00	0	0.00	240	24.00	0	0.00
6/2/2019	4:00:00	(1)	240	24.00	0	0.00	240	24.00	0	0.00
6/3/2019	4:00:00		239	24.00	0	0.00	240	24.00	0	0.00
6/4/2019	4:00:00		239	24.00	0	0.00	240	24.00	0	0.00
6/5/2019	4:00:00		240	24.00	0	0.00	240	24.00	0	0.00
6/6/2019	4:00:00		240	24.00	0	0.00	240	24.00	0	0.00
6/7/2019	4:00:00		240	24.00	0	0.00	240	24.00	0	0.00
6/8/2019	4:00:00	(1)	240	24.00	0	0.00	240	24.00	0	0.00
6/9/2019	4:00:00	(1)	240	24.00	0	0.00	239	24.00	0	0.00
6/10/2019	4:00:00		240	24.00	0	0.00	239	24.00	0	0.00
6/11/2019	4:00:00		240	24.00	0	0.00	240	24.00	0	0.00
6/12/2019	4:00:00		240	24.00	0	0.00	240	24.00	0	0.00
6/13/2019	4:00:00		240	24.00	0	0.00	240	24.00	0	0.00
6/14/2019	4:00:00		239	24.00	0	0.00	240	24.00	0	0.00
6/15/2019	4:00:00	(1)	240	24.00	0	0.00	240	24.00	0	0.00
6/16/2019	4:00:00	(1)	239	23.63	0	0.00	240	23.63	0	0.00
6/17/2019	4:00:00		240	17.82	0	0.00	240	19.10	0	0.00
6/18/2019	4:00:00		0	0.00	0	0.00	0	0.00	0	0.00
6/19/2019	4:00:00		0	0.00	0	0.00	0	0.00	0	0.00
6/20/2019	4:00:00		0	3.63	0	0.00	0	1.97	0	0.00
6/21/2019	4:00:00		240	24.00	0	0.00	242	24.00	0	0.00
6/22/2019	4:00:00	(1)	239	24.00	0	0.00	240	24.00	0	0.00
6/23/2019	4:00:00	(1)	240	24.00	0	0.00	239	24.00	0	0.00
6/24/2019	4:00:00		240	24.00	0	0.00	240	24.00	0	0.00
6/25/2019	4:00:00		239	24.00	0	0.00	240	24.00	0	0.00
6/26/2019	4:00:00		239	24.00	0	0.00	240	24.00	0	0.00
6/27/2019	4:00:00		239	24.00	0	0.00	241	24.00	0	0.00
6/28/2019	4:00:00		239	24.00	0	0.00	240	24.00	0	0.00
6/29/2019	4:00:00	(1)	240	24.00	0	0.00	239	24.00	0	0.00
6/30/2019	4:00:00	(1)	239	24.00	0	0.00	240	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.

6/17/19 - 6/20/19 - Treatment was shut down for Pond cleaning.

TABLE #12

GREEN POND / DISCHARGE DATA

Month of: **Jun-19**

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	GPM	Gallons	Hours	GPM	Gallons	Hours	GPM	Gallons	Hours		
Sat-6/1/19	4:00:00	(1)		-	-						498	717,127	24.00	-	-	-	-	-	-	
Sun-6/2/19	4:00:00	(1)		-	-						498	717,069	24.00	-	-	-	-	-	-	
Mon-6/3/19	4:00:00		Y	-	-						580	835,709	24.00	-	-	-	-	-	-	
Tue-6/4/19	4:00:00		Y	-	-						498	717,273	24.00	-	-	-	-	-	-	
Wed-6/5/19	4:00:00		Y	-	-						498	717,753	24.00	-	-	-	-	-	-	
Thu-6/6/19	4:00:00		Y	-	-						498	717,677	24.00	-	-	-	-	-	-	
Fri-6/7/19	4:00:00		Y	-	-						499	717,854	24.00	-	-	-	-	-	-	
Sat-6/8/19	4:00:00	(1)		-	-						499	717,928	24.00	-	-	-	-	-	-	
Sun-6/9/19	4:00:00	(1)		-	-						498	717,634	24.00	-	-	-	-	-	-	
Mon-6/10/19	4:00:00		Y	-	-						498	717,696	24.00	-	-	-	-	-	-	
Tue-6/11/19	4:00:00		Y	-	-						498	717,609	24.00	-	-	-	-	-	-	
Wed-6/12/19	4:00:00		Y	-	-						499	717,866	24.00	-	-	-	-	-	-	
Thu-6/13/19	4:00:00		Y	-	-						498	717,054	24.00	-	-	-	-	-	-	
Fri-6/14/19	4:00:00		Y	-	-						499	717,842	24.00	-	-	-	-	-	-	
Sat-6/15/19	4:00:00	(1)		-	-						498	705,911	23.63	-	-	-	-	-	-	
Sun-6/16/19	4:00:00	(1)		-	-						499	718,933	24.00	-	-	-	-	-	-	
Mon-6/17/19	4:00:00		Y	-	-						497	420,877	14.10	-	-	-	-	-	-	
Tue-6/18/19	4:00:00		Y	-	-						-	-	-	-	-	-	-	-	-	
Wed-6/19/19	4:00:00		Y	-	-						-	-	-	-	-	-	-	-	-	
Thu-6/20/19	4:00:00		Y	-	-						479	341,260	11.88	-	-	-	-	-	-	
Fri-6/21/19	4:00:00		Y	-	-						498	717,071	24.00	-	-	-	-	-	-	
Sat-6/22/19	4:00:00	(1)		-	-						498	717,294	24.00	-	-	-	-	-	-	
Sun-6/23/19	4:00:00	(1)		-	-						498	717,382	24.00	-	-	-	-	-	-	
Mon-6/24/19	4:00:00		Y	-	-						498	717,390	24.00	-	-	-	-	-	-	
Tue-6/25/19	4:00:00		Y	-	-						498	717,615	24.00	-	-	-	-	-	-	
Wed-6/26/19	4:00:00		Y	-	-						499	717,994	24.00	-	-	-	-	-	-	
Thu-6/27/19	4:00:00		Y	-	-						499	718,072	24.00	-	-	-	-	-	-	
Fri-6/28/19	4:00:00		Y	-	-						499	717,927	24.00	-	-	-	-	-	-	
Sat-6/29/19	4:00:00	(1)		-	-						499	718,023	24.00	-	-	-	-	-	-	
Sun-6/30/19	4:00:00	(1)		-	-						499	718,111	24.00	-	-	-	-	-	-	
TOTALS				-	-						-	19,527,951	650	-	-	-	-	-	-	

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)	Quarterly	(Effluent - Outfall)	(Influent - Red Pond)	(Effluent - Outfall)	(Effluent - Outfall)	(Weekly)	(2 x Week)	(4 x Week)	(4 x Week)	(5 X Week)	(2 X Week)	
PARAMETER NAME	Flow	Total Barium	Total Barium	1,4-Dioxane	1,4-Dioxane	Hydrogen Peroxide	Hydrogen Peroxide	Outfall Observation	Equipment Inspection	pH (Min. Daily)	pH (Max. Daily)	Bromate	Sodium Bisulfite Dose Rate
PARAMETER CODE	50050	1007	1007	82388	82388	00139	00139	84130	46478	00400	00400	99814	99798
MONITORING PT.	001A	001A	001A	001A	001A	001A	001A	001A	001A	001A	001A	001A	001A
STAGE CODE	1	1	1	1	G	1	1	1	1	1	1	1	1
UNIT	MGD	ug/l	lbs/day	ug/l	mg/l	ug/l	lbs/day	yes/no	yes/no	S.U.	S.U.	ug/l	mg/l
6/1/2019	0.717	*G	*G										
6/2/2019	0.717			5.7								5.7	
6/3/2019	0.836			6.4	370	<50	<0.16	Yes	Yes	6.9	6.9	5.7	40
6/4/2019	0.717			5.7		<50	<0.16	No	No	7.0	7.0	6.5	
6/5/2019	0.718			5.5		<50	<0.16	No	Yes	7.1	7.1	<5	35
6/6/2019	0.718			5.1		<50	<0.16	No	No	7.0	7.0	5.8	
6/7/2019	0.718					<50	<0.16	No	No	6.9	6.9		
6/8/2019	0.718												
6/9/2019	0.718			5.3								<5	
6/10/2019	0.718			5.7		<50	<0.16	Yes	Yes	6.9	6.9	5.7	34
6/11/2019	0.718			7.8	430	<50	<0.16	No	No	7.0	7.0	<5	
6/12/2019	0.718			6.5	350	<50	<0.16	No	Yes	6.9	6.9	5.1	25
6/13/2019	0.717			5.7		<50	<0.16	No	No	6.8	6.8	<5	
6/14/2019	0.718					<50	<0.16	No	No	6.9	6.9		
6/15/2019	0.706												
6/16/2019	0.719			5.5								5.2	
6/17/2019	0.421				360	<50	<0.16	Yes	Yes	6.7	6.7		48
6/18/2019	0.000					<50	<0.16	No	No				
6/19/2019	0.000					<50	<0.16	No	Yes				
6/20/2019	0.341			8.1	320	<50	<0.16	No	No	6.9	6.9	5.6	40
6/21/2019	0.717				360	<50	<0.16	No	No	6.7	6.7		
6/22/2019	0.717												
6/23/2019	0.717			7.5								<5	
6/24/2019	0.717			7.4	340	<50	<0.16	Yes	Yes	6.6	6.6	5.1	25
6/25/2019	0.718			7.2		<50	<0.16	No	No	6.7	6.7	<5	
6/26/2019	0.718			7.6		<50	<0.16	No	Yes	6.8	6.8	7	
6/27/2019	0.718			5.4		<50	<0.16	No	No	6.7	6.7	7.2	25
6/28/2019	0.718					<50	<0.16	No	No	6.8	6.8	8.7	
6/29/2019	0.718												
6/30/2019	0.718			5.0									
Discharged	19.528												
Monthly Avg				6.3								<5	

6/17/19 - 6/20/19 - Pond Cleaning

6/20/19 - Effluent value for 1,4-dioxane grab sample was 9.1 ppb

6/20/19 - Effluent value for bromate grab sample was <5 ppb