



July 17, 2020

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

**Re: Monitoring Report # 278
June 1 – June 30, 2020**

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 May 1 through May 31, 2020.

Should you have any questions or concerns regarding this report, please contact me at 269-993-7585.

Sincerely,

FLEIS & VANDENBRINK

A handwritten signature in blue ink, appearing to read "Jim Brode", is written over a light blue horizontal line.

Jim Brode, CPG
Senior Project Manager

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

TABLE #1

UNIT D2 UPGRADIENT EXTRACTION DATA

Month of: Jun-20

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
Mon-6/1/20	-	-	-	-	-	-	-	-	-	72,210	50	24.00	50	72,210
Tue-6/2/20	-	-	-	-	-	-	-	-	-	72,277	50	24.00	50	72,277
Wed-6/3/20	-	-	-	-	-	-	-	-	-	72,283	50	24.00	50	72,283
Thu-6/4/20	-	-	-	-	-	-	-	-	-	72,281	50	24.00	50	72,281
Fri-6/5/20	-	-	-	-	-	-	-	-	-	72,304	50	24.00	50	72,304
Sat-6/6/20	-	-	-	-	-	-	-	-	-	72,299	50	24.00	50	72,299
Sun-6/7/20	-	-	-	-	-	-	-	-	-	72,231	50	24.00	50	72,231
Mon-6/8/20	-	-	-	-	-	-	-	-	-	72,251	50	24.00	50	72,251
Tue-6/9/20	-	-	-	-	-	-	-	-	-	72,276	50	24.00	50	72,276
Wed-6/10/20	-	-	-	-	-	-	-	-	-	72,248	50	24.00	50	72,248
Thu-6/11/20	-	-	-	-	-	-	-	-	-	72,192	50	24.00	50	72,192
Fri-6/12/20	-	-	-	-	-	-	-	-	-	72,180	50	24.00	50	72,180
Sat-6/13/20	-	-	-	-	-	-	-	-	-	72,173	50	24.00	50	72,173
Sun-6/14/20	-	-	-	-	-	-	-	-	-	72,181	50	24.00	50	72,181
Mon-6/15/20	-	-	-	-	-	-	-	-	-	72,194	50	24.00	50	72,194
Tue-6/16/20	-	-	-	-	-	-	-	-	-	72,258	50	24.00	50	72,258
Wed-6/17/20	-	-	-	-	-	-	-	-	-	72,254	50	24.00	50	72,254
Thu-6/18/20	-	-	-	-	-	-	-	-	-	72,266	50	24.00	50	72,266
Fri-6/19/20	-	-	-	-	-	-	-	-	-	72,291	50	24.00	50	72,291
Sat-6/20/20	-	-	-	-	-	-	-	-	-	72,312	50	24.00	50	72,312
Sun-6/21/20	-	-	-	-	-	-	-	-	-	72,268	50	24.00	50	72,268
Mon-6/22/20	-	-	-	-	-	-	-	-	-	72,289	50	24.00	50	72,289
Tue-6/23/20	-	-	-	-	-	-	-	-	-	72,222	50	24.00	50	72,222
Wed-6/24/20	-	-	-	-	-	-	-	-	-	72,223	50	24.00	50	72,223
Thu-6/25/20	-	-	-	-	-	-	-	-	-	61,335	51	20.00	43	61,335
Fri-6/26/20	-	-	-	-	-	-	-	-	-	72,235	50	24.00	50	72,235
Sat-6/27/20	-	-	-	-	-	-	-	-	-	72,307	50	24.00	50	72,307
Sun-6/28/20	-	-	-	-	-	-	-	-	-	72,314	50	24.00	50	72,314
Mon-6/29/20	-	-	-	-	-	-	-	-	-	72,316	50	24.00	50	72,316
Tue-6/30/20	-	-	-	-	-	-	-	-	-	72,327	50	24.00	50	72,327
TOTALS	-	-	-	-	-	-	-	-	-	2,156,797	50	716.00	50	2,156,797

TOTAL VOLUME EXTRACTED :	2,156,797 GALLONS
DAYS IN MONTH :	30 DAYS
MONTHLY AVERAGE FLOW RATE :	49.93 GPM

06/25/20 - TW-21 was shut down briefly due to a DTE Energy power outage.

UNIT D2 DOWNGRADE EXTRACTION DATA

Month of: Jun-20

Date	LB-1			LB-4			Daily	Daily
	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.	Flow GPM	Total Gallons
Mon-6/1/20	-	-	-	144,184	100	24.00	100	144,184
Tue-6/2/20	-	-	-	144,173	100	24.00	100	144,173
Wed-6/3/20	-	-	-	144,183	100	24.00	100	144,183
Thu-6/4/20	-	-	-	144,171	100	24.00	100	144,171
Fri-6/5/20	-	-	-	144,187	100	24.00	100	144,187
Sat-6/6/20	-	-	-	144,192	100	24.00	100	144,192
Sun-6/7/20	-	-	-	144,156	100	24.00	100	144,156
Mon-6/8/20	-	-	-	144,154	100	24.00	100	144,154
Tue-6/9/20	-	-	-	144,181	100	24.00	100	144,181
Wed-6/10/20	-	-	-	144,099	100	24.00	100	144,099
Thu-6/11/20	-	-	-	144,204	100	24.00	100	144,204
Fri-6/12/20	-	-	-	144,190	100	24.00	100	144,190
Sat-6/13/20	-	-	-	144,179	100	24.00	100	144,179
Sun-6/14/20	-	-	-	144,164	100	24.00	100	144,164
Mon-6/15/20	-	-	-	144,192	100	24.00	100	144,192
Tue-6/16/20	-	-	-	144,173	100	24.00	100	144,173
Wed-6/17/20	-	-	-	144,168	100	24.00	100	144,168
Thu-6/18/20	-	-	-	144,181	100	24.00	100	144,181
Fri-6/19/20	-	-	-	144,182	100	24.00	100	144,182
Sat-6/20/20	-	-	-	144,194	100	24.00	100	144,194
Sun-6/21/20	-	-	-	144,153	100	24.00	100	144,153
Mon-6/22/20	-	-	-	144,172	100	24.00	100	144,172
Tue-6/23/20	-	-	-	144,183	100	24.00	100	144,183
Wed-6/24/20	-	-	-	144,179	100	24.00	100	144,179
Thu-6/25/20	-	-	-	144,215	100	24.00	100	144,215
Fri-6/26/20	-	-	-	144,146	100	24.00	100	144,146
Sat-6/27/20	-	-	-	144,183	100	24.00	100	144,183
Sun-6/28/20	-	-	-	144,189	100	24.00	100	144,189
Mon-6/29/20	-	-	-	144,172	100	24.00	100	144,172
Tue-6/30/20	-	-	-	144,159	100	24.00	100	144,159
TOTALS	-	-	-	4,325,258	100	720.00	100	4,325,258

TOTAL VOLUME EXTRACTED :	4,325,258 GALLONS
DAYS IN MONTH :	30 DAYS
MONTHLY AVERAGE FLOW RATE :	100.12 GPM

TABLE #3

CORE AREA EXTRACTION DATA

Month of: Jun-20

Core Area Well Extraction															Daily	Daily				
Date	TW-1			TW-2 (Dolph)			TW-3			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.	Gallons	GPM	Run Hrs.		
Mon-6/1/20	-	-	-	24,351	17	24.00	-	-	-	-	-	-	-	-	43,056	30	24.00	47	67,407	
Tue-6/2/20	-	-	-	24,604	17	24.00	-	-	-	-	-	-	-	-	43,157	30	24.00	47	67,761	
Wed-6/3/20	-	-	-	24,492	17	24.00	-	-	-	-	-	-	-	-	43,191	30	24.00	47	67,683	
Thu-6/4/20	-	-	-	24,272	17	24.00	-	-	-	-	-	-	-	-	43,094	30	24.00	47	67,366	
Fri-6/5/20	-	-	-	24,080	17	24.00	-	-	-	-	-	-	-	-	43,074	30	24.00	47	67,154	
Sat-6/6/20	-	-	-	23,811	17	24.00	-	-	-	-	-	-	-	-	43,033	30	24.00	46	66,844	
Sun-6/7/20	-	-	-	23,576	16	24.00	-	-	-	-	-	-	-	-	42,994	30	24.00	46	66,570	
Mon-6/8/20	-	-	-	23,533	16	24.00	-	-	-	-	-	-	-	-	43,092	30	24.00	46	66,625	
Tue-6/9/20	-	-	-	23,877	17	24.00	-	-	-	-	-	-	-	-	43,174	30	24.00	47	67,051	
Wed-6/10/20	-	-	-	21,138	17	21.12	-	-	-	-	-	-	-	-	43,176	30	24.00	45	64,314	
Thu-6/11/20	-	-	-	24,692	17	24.00	-	-	-	-	-	-	-	-	43,159	30	24.00	47	67,851	
Fri-6/12/20	-	-	-	25,134	17	24.00	-	-	-	-	-	-	-	-	43,230	30	24.00	47	68,364	
Sat-6/13/20	-	-	-	26,462	18	24.00	-	-	-	-	-	-	-	-	43,228	30	24.00	48	69,690	
Sun-6/14/20	-	-	-	27,624	19	24.00	-	-	-	-	-	-	-	-	43,184	30	24.00	49	70,808	
Mon-6/15/20	-	-	-	28,272	20	24.00	-	-	-	-	-	-	-	-	43,349	30	24.00	50	71,621	
Tue-6/16/20	-	-	-	28,714	20	24.00	-	-	-	-	-	-	-	-	43,450	30	24.00	50	72,164	
Wed-6/17/20	-	-	-	29,224	20	24.00	-	-	-	-	-	-	-	-	43,143	30	24.00	50	72,367	
Thu-6/18/20	-	-	-	29,620	21	24.00	-	-	-	-	-	-	-	-	43,057	30	24.00	50	72,677	
Fri-6/19/20	-	-	-	29,867	21	24.00	-	-	-	-	-	-	-	-	43,106	30	24.00	51	72,973	
Sat-6/20/20	-	-	-	30,130	21	24.00	-	-	-	-	-	-	-	-	43,713	30	24.00	51	73,843	
Sun-6/21/20	-	-	-	30,228	21	24.00	-	-	-	-	-	-	-	-	43,202	30	24.00	51	73,430	
Mon-6/22/20	-	-	-	30,051	22	23.15	-	-	-	-	-	-	-	-	43,032	30	24.00	51	73,083	
Tue-6/23/20	-	-	-	31,637	22	24.00	-	-	-	-	-	-	-	-	43,425	30	24.00	52	75,062	
Wed-6/24/20	-	-	-	31,560	22	24.00	-	-	-	-	-	-	-	-	43,659	30	24.00	52	75,219	
Thu-6/25/20	-	-	-	26,610	22	20.28	-	-	-	-	-	-	-	-	37,719	30	20.87	45	64,329	
Fri-6/26/20	-	-	-	31,790	22	24.00	-	-	-	-	-	-	-	-	43,220	30	24.00	52	75,010	
Sat-6/27/20	-	-	-	31,778	22	24.00	-	-	-	-	-	-	-	-	43,463	30	24.00	52	75,241	
Sun-6/28/20	-	-	-	31,762	22	24.00	-	-	-	-	-	-	-	-	43,598	30	24.00	52	75,360	
Mon-6/29/20	-	-	-	31,753	22	24.00	-	-	-	-	-	-	-	-	43,577	30	24.00	52	75,330	
Tue-6/30/20	-	-	-	31,729	22	24.00	-	-	-	-	-	-	-	-	43,550	30	24.00	52	75,279	
TOTALS	-	-	-	826,371	19	712.55	-	-	-	-	-	-	-	-	1,292,105	30	716.87	49	2,118,476	

TOTAL VOLUME EXTRACTED :	2,118,476 GALLONS
DAYS IN MONTH :	30 DAYS
MONTHLY AVERAGE FLOW RATE :	49.04 GPM

06/10/20 - Dolph was shut down briefly due to a DTE Energy power outage.
 06/25/20 - Dolph and TW-20 were shut down due to a DTE Energy power outage.

MARSHY AREA EXTRACTION DATA

Month of: Jun-20

Marshy Well Extraction				Daily Flow	Daily Total
Date	PW-1 Gallons	GPM	Run Hrs.	GPM	Gallons
Mon-6/1/20	2,107	1	24.00	1	2,107
Tue-6/2/20	2,091	1	24.00	1	2,091
Wed-6/3/20	2,049	1	24.00	1	2,049
Thu-6/4/20	2,021	1	24.00	1	2,021
Fri-6/5/20	2,039	1	24.00	1	2,039
Sat-6/6/20	2,019	1	24.00	1	2,019
Sun-6/7/20	2,006	1	24.00	1	2,006
Mon-6/8/20	1,988	1	24.00	1	1,988
Tue-6/9/20	1,960	1	24.00	1	1,960
Wed-6/10/20	1,959	1	24.00	1	1,959
Thu-6/11/20	1,938	1	24.00	1	1,938
Fri-6/12/20	1,942	1	24.00	1	1,942
Sat-6/13/20	1,946	1	24.00	1	1,946
Sun-6/14/20	1,932	1	24.00	1	1,932
Mon-6/15/20	1,924	1	24.00	1	1,924
Tue-6/16/20	1,937	1	24.00	1	1,937
Wed-6/17/20	1,942	1	24.00	1	1,942
Thu-6/18/20	1,932	1	24.00	1	1,932
Fri-6/19/20	1,904	1	24.00	1	1,904
Sat-6/20/20	1,898	1	24.00	1	1,898
Sun-6/21/20	1,911	1	24.00	1	1,911
Mon-6/22/20	1,924	1	24.00	1	1,924
Tue-6/23/20	1,930	1	24.00	1	1,930
Wed-6/24/20	1,931	1	24.00	1	1,931
Thu-6/25/20	1,634	1	20.33	1	1,634
Fri-6/26/20	2,047	1	24.00	1	2,047
Sat-6/27/20	2,042	1	24.00	1	2,042
Sun-6/28/20	2,041	1	24.00	1	2,041
Mon-6/29/20	2,055	1	24.00	1	2,055
Tue-6/30/20	2,025	1	24.00	1	2,025
	-		-		-
TOTALS	59,074	1	716.33	1	59,074

TOTAL VOLUME EXTRACTED :	59,074 GALLONS
DAYS IN MONTH :	30 DAYS
MONTHLY AVERAGE FLOW RATE :	1.37 GPM

06/25/20 - PW-1 was shut down briefly due to a DTE Energy power outage.

SOUTHWEST AREA EXTRACTION DATA

Month of: Jun-20

SouthWest Well Extraction							Daily Flow	Daily Total
Date	TW22			TW28			GPM	Gallons
	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.		
Mon-6/1/20	2,107	2	21.70	35,843	25	24.00	26	37,950
Tue-6/2/20	2,534	2	24.00	35,686	25	24.00	27	38,220
Wed-6/3/20	2,489	2	24.00	35,686	25	24.00	27	38,175
Thu-6/4/20	2,473	2	24.00	35,663	25	24.00	26	38,136
Fri-6/5/20	2,044	1	23.92	35,792	25	23.93	26	37,836
Sat-6/6/20	1,655	1	24.00	36,129	25	24.00	26	37,784
Sun-6/7/20	1,801	1	24.00	36,064	25	24.00	26	37,865
Mon-6/8/20	2,356	2	24.00	35,848	25	24.00	27	38,204
Tue-6/9/20	2,275	2	24.00	35,820	25	24.00	26	38,095
Wed-6/10/20	2,135	1	24.00	35,854	25	24.00	26	37,989
Thu-6/11/20	2,055	1	24.00	35,820	25	24.00	26	37,875
Fri-6/12/20	2,004	1	24.00	35,805	25	24.00	26	37,809
Sat-6/13/20	2,013	1	24.00	35,794	25	24.00	26	37,807
Sun-6/14/20	2,021	1	24.00	35,803	25	24.00	26	37,824
Mon-6/15/20	1,662	1	23.98	35,794	25	24.00	26	37,456
Tue-6/16/20	1,772	1	24.00	36,126	25	24.00	26	37,898
Wed-6/17/20	1,982	1	24.00	36,280	25	24.00	27	38,262
Thu-6/18/20	1,538	1	24.00	36,255	25	24.00	26	37,793
Fri-6/19/20	1,562	1	24.00	36,242	25	24.00	26	37,804
Sat-6/20/20	1,601	1	24.00	36,217	25	24.00	26	37,818
Sun-6/21/20	1,584	1	24.00	36,230	25	24.00	26	37,814
Mon-6/22/20	1,540	1	24.00	36,263	25	24.00	26	37,803
Tue-6/23/20	1,490	1	24.00	36,294	25	24.00	26	37,784
Wed-6/24/20	1,470	1	24.00	36,267	25	24.00	26	37,737
Thu-6/25/20	1,328	1	20.07	30,286	25	20.07	22	31,614
Fri-6/26/20	2,497	2	24.00	35,743	25	24.00	27	38,240
Sat-6/27/20	1,719	1	24.00	35,916	25	24.00	26	37,635
Sun-6/28/20	1,448	1	24.00	35,964	25	24.00	26	37,412
Mon-6/29/20	1,434	<1	24.00	35,956	25	24.00	26	37,390
Tue-6/30/20	1,505	1	24.00	35,941	25	24.00	26	37,446
	-	-	-	-	-	-	-	-
TOTALS	56,094	1	713.67	1,073,381	25	716.00	26	1,129,475

TOTAL VOLUME EXTRACTED :	1,129,475 GALLONS
DAYS IN MONTH :	30 DAYS
MONTHLY AVERAGE FLOW RATE :	26.15 GPM

06/01/20 - TW-22 was shut down briefly for maintenance.
 06/25/20 - TW-22 & TW-28 were shut down briefly due to a DTE Energy power outage.

TABLE #6

UNIT "E" EXTRACTION DATA

Month of: Jun-20

Date	TW-11			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.		
Mon-6/1/20	-	-	-	-	-	-	218,441	152	24.00	57,569	40	24.00	86,541	60	24.00	252	362,551
Tue-6/2/20	-	-	-	-	-	-	218,488	152	23.98	57,557	40	24.00	86,490	60	24.00	252	362,535
Wed-6/3/20	-	-	-	-	-	-	218,427	152	24.00	57,521	40	24.00	86,552	60	24.00	252	362,500
Thu-6/4/20	-	-	-	-	-	-	218,378	152	24.00	57,496	40	24.00	86,489	60	24.00	252	362,363
Fri-6/5/20	-	-	-	-	-	-	218,411	152	24.00	57,365	40	23.93	86,184	60	23.93	251	361,960
Sat-6/6/20	-	-	-	-	-	-	218,296	152	24.00	57,588	40	24.00	86,454	60	24.00	252	362,338
Sun-6/7/20	-	-	-	-	-	-	218,125	151	24.00	57,646	40	24.00	86,478	60	24.00	252	362,249
Mon-6/8/20	-	-	-	-	-	-	218,189	152	24.00	57,616	40	24.00	86,482	60	24.00	252	362,287
Tue-6/9/20	-	-	-	-	-	-	218,201	152	24.00	57,587	40	24.00	86,433	60	24.00	252	362,221
Wed-6/10/20	-	-	-	-	-	-	218,132	151	24.00	57,595	40	24.00	86,459	60	24.00	252	362,186
Thu-6/11/20	-	-	-	-	-	-	218,061	151	24.00	57,592	40	24.00	86,442	60	24.00	251	362,095
Fri-6/12/20	-	-	-	-	-	-	217,991	151	24.00	57,603	40	24.00	86,453	60	24.00	251	362,047
Sat-6/13/20	-	-	-	-	-	-	218,013	151	24.00	57,436	40	23.96	86,404	60	23.96	251	361,853
Sun-6/14/20	-	-	-	-	-	-	218,075	151	24.00	57,448	40	24.00	86,430	60	24.00	251	361,953
Mon-6/15/20	-	-	-	-	-	-	217,995	151	24.00	57,659	40	24.00	86,514	60	24.00	252	362,168
Tue-6/16/20	-	-	-	-	-	-	124,331	151	13.68	57,572	40	24.00	86,482	60	24.00	186	268,385
Wed-6/17/20	-	-	-	-	-	-	96,908	155	10.43	57,439	40	24.00	86,455	60	24.00	167	240,802
Thu-6/18/20	-	-	-	-	-	-	224,728	156	23.98	57,588	40	24.00	86,457	60	24.00	256	368,773
Fri-6/19/20	-	-	-	-	-	-	225,470	157	24.00	57,687	40	24.00	86,470	60	24.00	257	369,627
Sat-6/20/20	-	-	-	-	-	-	225,372	157	24.00	57,312	40	23.83	85,795	60	23.83	256	368,479
Sun-6/21/20	-	-	-	-	-	-	224,968	156	24.00	57,676	40	23.98	86,402	60	23.98	256	369,046
Mon-6/22/20	-	-	-	-	-	-	224,657	156	24.00	57,540	40	24.00	86,422	60	24.00	256	368,619
Tue-6/23/20	-	-	-	-	-	-	223,964	156	24.00	57,583	40	24.00	86,436	60	24.00	256	367,983
Wed-6/24/20	-	-	-	-	-	-	223,230	155	24.00	57,586	40	24.00	86,482	60	24.00	255	367,298
Thu-6/25/20	-	-	-	-	-	-	189,180	154	20.42	50,040	40	20.81	75,010	60	20.81	218	314,230
Fri-6/26/20	-	-	-	-	-	-	222,946	155	24.00	57,673	40	23.98	86,391	60	23.98	255	367,010
Sat-6/27/20	-	-	-	-	-	-	222,712	155	24.00	57,499	40	24.00	86,474	60	24.00	255	366,685
Sun-6/28/20	-	-	-	-	-	-	222,453	154	24.00	57,542	40	24.00	86,461	60	24.00	254	366,456
Mon-6/29/20	-	-	-	-	-	-	222,181	154	24.00	57,096	40	23.80	85,652	60	23.80	253	364,929
Tue-6/30/20	-	-	-	-	-	-	221,818	154	24.00	57,419	40	24.00	86,446	60	24.00	254	365,683
TOTALS	-	-	-	-	-	-	6,368,141	153	692.50	1,718,530	40	716.29	2,580,640	60	716.29	247	10,667,311

TOTAL VOLUME EXTRACTED :	10,667,311 GALLONS
DAYS IN MONTH :	30 DAYS
MONTHLY AVERAGE FLOW RATE :	246.93 GPM

06/16/20 - 06/17/20 - TW-18 was shut down for maintenance.
 06/25/20 - TW-18, TW-19, and TW-23 were shut down briefly due to a DTE Energy power outage.

TABLE #7

Little Lake Area System

MW-53i	
Date	1,4-Dioxane ug/L
03/06/20	30
04/06/20	34
05/01/20	33
06/01/20	54

A2 Cleaning Supply Well	
Date	1,4-Dioxane ug/L
03/05/20	65
04/06/20	61
05/01/20	70
06/04/20	61

Date	Gallons Purged
6/4/2020	28,000



TABLE #8

INDIVIDUAL PURGE WELL CONCENTRATIONS

SAMPLE ID	Date Sampled	1,4-DIOXANE (ppb)
DOLPH-06-08-20-09:55-1	06/08/20	130
TW-20-06-08-20-10:05-1	06/08/20	810
LB-4-06-08-20-09:40-1	06/08/20	470
TW-21-06-08-20-09:45-1	06/08/20	260
TW-18-06-08-20-09:50-1	06/08/20	240
TW-19-06-08-20-09:30-1	06/08/20	580
TW-23-06-08-20-09:35-1	06/08/20	370
PW-1-06-08-20-10:00-1	06/08/20	440
TW-22-06-08-20-10:10-1	06/08/20	480
TW-28-06-08-20-10:15-1	06/08/20	610

RED POND DATA

Month of: Jun-20

Date	Time	Notes	Red Pond				
			Pond	Level	Aeration	Influent	Influent
			Visual Chk	Feet	Hours	Hours	GPM
Mon-6/1/20	04:00:00.000		Y	3.6	-	24.00	477
Tue-6/2/20	04:00:00.000		Y	4.0	-	24.00	477
Wed-6/3/20	04:00:00.000		Y	3.8	-	24.00	477
Thu-6/4/20	04:00:00.000		Y	4.2	-	24.00	477
Fri-6/5/20	04:00:00.000		Y	5.9	-	24.00	476
Sat-6/6/20	04:00:00.000	(1)		5.8	-	24.00	476
Sun-6/7/20	04:00:00.000	(1)		5.7	-	24.00	476
Mon-6/8/20	04:00:00.000		Y	5.5	-	24.00	476
Tue-6/9/20	04:00:00.000		Y	5.7	-	24.00	476
Wed-6/10/20	04:00:00.000		Y	5.8	-	24.00	474
Thu-6/11/20	04:00:00.000		Y	5.7	-	24.00	476
Fri-6/12/20	04:00:00.000		Y	5.7	-	24.00	477
Sat-6/13/20	04:00:00.000	(1)		5.7	-	24.00	478
Sun-6/14/20	04:00:00.000	(1)		5.6	-	24.00	478
Mon-6/15/20	04:00:00.000		Y	5.9	-	24.00	479
Tue-6/16/20	04:00:00.000		Y	4.6	-	24.00	414
Wed-6/17/20	04:00:00.000		Y	3.7	-	24.00	396
Thu-6/18/20	04:00:00.000		Y	4.0	-	24.00	484
Fri-6/19/20	04:00:00.000		Y	4.0	-	24.00	485
Sat-6/20/20	04:00:00.000	(1)		3.9	-	24.00	485
Sun-6/21/20	04:00:00.000	(1)		4.0	-	24.00	485
Mon-6/22/20	04:00:00.000		Y	3.9	-	24.00	485
Tue-6/23/20	04:00:00.000		Y	3.9	-	24.00	486
Wed-6/24/20	04:00:00.000		Y	4.0	-	24.00	485
Thu-6/25/20	09:45:00.000		Y	4.8	-	24.00	429
Fri-6/26/20	08:00:00.000		Y	5.0	-	24.00	485
Sat-6/27/20	06:15:00.000	(1)		5.0	-	24.00	485
Sun-6/28/20	04:30:00.000	(1)		5.0	-	24.00	485
Mon-6/29/20	04:00:00.000		Y	5.0	-	24.00	483
Tue-6/30/20	04:00:00.000		Y	5.0	-	24.00	484
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-06-01-20-08:32-1	6/1/2020	360
Red Pond-06-08-20-08:22-1	6/8/2020	380
Red Pond-06-15-20-08:45-1	6/15/2020	370
Red Pond-06-22-20-09:45-1	6/22/2020	370
Red Pond-06-29-20-10:29-1	6/29/2020	370

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

OZONE OPERATION REPORT

Month of: Jun-20

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-6/1/20	14:00:00.00		240	24.00	0	0.00	240	24.00	0	0.00
Tue-6/2/20	14:00:00.00		240	23.83	0	0.00	239	23.85	0	0.00
Wed-6/3/20	14:00:00.00		241	24.00	0	0.00	240	24.00	0	0.00
Thu-6/4/20	14:00:00.00		241	24.00	0	0.00	241	24.00	0	0.00
Fri-6/5/20	14:00:00.00		241	18.63	0	0.00	239	19.45	0	0.00
Sat-6/6/20	14:00:00.00	(1)	240	24.00	0	0.00	239	24.00	0	0.00
Sun-6/7/20	14:00:00.00	(1)	240	24.00	0	0.00	240	24.00	0	0.00
Mon-6/8/20	14:00:00.00		241	24.00	0	0.00	240	24.00	0	0.00
Tue-6/9/20	14:00:00.00		241	24.00	0	0.00	240	24.00	0	0.00
Wed-6/10/20	14:00:00.00		241	23.75	0	0.00	240	23.78	0	0.00
Thu-6/11/20	14:00:00.00		240	24.00	0	0.00	240	24.00	0	0.00
Fri-6/12/20	14:00:00.00		240	23.83	0	0.00	240	23.83	0	0.00
Sat-6/13/20	14:00:00.00	(1)	241	24.00	0	0.00	240	24.00	0	0.00
Sun-6/14/20	14:00:00.00	(1)	241	24.00	0	0.00	240	24.00	0	0.00
Mon-6/15/20	14:00:00.00		239	23.85	0	0.00	239	23.87	0	0.00
Tue-6/16/20	14:00:00.00		240	24.00	0	0.00	240	24.00	0	0.00
Wed-6/17/20	14:00:00.00		240	24.00	0	0.00	240	24.00	0	0.00
Thu-6/18/20	14:00:00.00		241	23.35	0	0.00	240	23.35	0	0.00
Fri-6/19/20	14:00:00.00		239	24.00	0	0.00	240	24.00	0	0.00
Sat-6/20/20	14:00:00.00	(1)	241	24.00	0	0.00	240	24.00	0	0.00
Sun-6/21/20	14:00:00.00	(1)	241	24.00	0	0.00	240	24.00	0	0.00
Mon-6/22/20	14:00:00.00		240	24.00	0	0.00	240	24.00	0	0.00
Tue-6/23/20	14:00:00.00		241	24.00	0	0.00	239	24.00	0	0.00
Wed-6/24/20	14:00:00.00		240	24.00	0	0.00	240	24.00	0	0.00
Thu-6/25/20	19:45:00.00		241	18.72	0	0.00	240	18.97	0	0.00
Fri-6/26/20	18:00:00.00		240	23.88	0	0.00	240	23.87	0	0.00
Sat-6/27/20	16:15:00.00	(1)	241	24.00	0	0.00	240	24.00	0	0.00
Sun-6/28/20	14:30:00.00	(1)	240	24.00	0	0.00	239	24.00	0	0.00
Mon-6/29/20	14:00:00.00		240	24.00	0	0.00	239	24.00	0	0.00
Tue-6/30/20	14:00:00.00		240	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.

06/05/20 - Treatment was shut down briefly due to a DTE Energy power outage.

06/25/20 - Treatment was shut down due to a DTE Energy power outage.

TABLE #12

GREEN POND / DISCHARGE DATA

Month of: **Jun-20**

			Green Pond																										
Date	Time	Notes	Pond			Level			Aeration			Influent			Influent			Pond Discharge			Bypass Discharge			Recirc Thru UV to Pond			Recirc Thru UV to Disch		
			Visual Chk	Feet	Hours	Hours	Hours	Hours	GPM	GPM	Gallons	GPM	Gallons	Hours	GPM	Gallons	Hours	GPM	Gallons	Hours	GPM	Gallons	Hours						
Mon-6/1/20	14:00:00.00		Y	-	-	-	-	-	-	-	-	-	-	-	-	498	717,341	24.00	-	-	-	-	-	-	-	-	-		
Tue-6/2/20	14:00:00.00		Y	-	-	-	-	-	-	-	-	-	-	-	-	497	707,211	23.72	-	-	-	-	-	-	-	-	-		
Wed-6/3/20	14:00:00.00		Y	-	-	-	-	-	-	-	-	-	-	-	-	498	717,262	24.00	-	-	-	-	-	-	-	-	-		
Thu-6/4/20	14:00:00.00		Y	-	-	-	-	-	-	-	-	-	-	-	-	498	717,280	24.00	-	-	-	-	-	-	-	-	-		
Fri-6/5/20	14:00:00.00		Y	-	-	-	-	-	-	-	-	-	-	-	-	489	515,109	17.57	-	-	-	-	-	-	-	-	-		
Sat-6/6/20	14:00:00.00	(1)		-	-	-	-	-	-	-	-	-	-	-	-	499	718,122	24.00	-	-	-	-	-	-	-	-	-		
Sun-6/7/20	14:00:00.00	(1)		-	-	-	-	-	-	-	-	-	-	-	-	499	717,881	24.00	-	-	-	-	-	-	-	-	-		
Mon-6/8/20	14:00:00.00		Y	-	-	-	-	-	-	-	-	-	-	-	-	499	717,850	24.00	-	-	-	-	-	-	-	-	-		
Tue-6/9/20	14:00:00.00		Y	-	-	-	-	-	-	-	-	-	-	-	-	499	717,985	24.00	-	-	-	-	-	-	-	-	-		
Wed-6/10/20	14:00:00.00		Y	-	-	-	-	-	-	-	-	-	-	-	-	497	706,252	23.70	-	-	-	-	-	-	-	-	-		
Thu-6/11/20	14:00:00.00		Y	-	-	-	-	-	-	-	-	-	-	-	-	498	717,492	24.00	-	-	-	-	-	-	-	-	-		
Fri-6/12/20	14:00:00.00		Y	-	-	-	-	-	-	-	-	-	-	-	-	496	707,741	23.77	-	-	-	-	-	-	-	-	-		
Sat-6/13/20	14:00:00.00	(1)		-	-	-	-	-	-	-	-	-	-	-	-	498	717,085	24.00	-	-	-	-	-	-	-	-	-		
Sun-6/14/20	14:00:00.00	(1)		-	-	-	-	-	-	-	-	-	-	-	-	498	717,174	24.00	-	-	-	-	-	-	-	-	-		
Mon-6/15/20	14:00:00.00		Y	-	-	-	-	-	-	-	-	-	-	-	-	496	707,360	23.75	-	-	-	-	-	-	-	-	-		
Tue-6/16/20	14:00:00.00		Y	-	-	-	-	-	-	-	-	-	-	-	-	498	717,242	24.00	-	-	-	-	-	-	-	-	-		
Wed-6/17/20	14:00:00.00		Y	-	-	-	-	-	-	-	-	-	-	-	-	498	717,267	24.00	-	-	-	-	-	-	-	-	-		
Thu-6/18/20	14:00:00.00		Y	-	-	-	-	-	-	-	-	-	-	-	-	491	678,871	23.03	-	-	-	-	-	-	-	-	-		
Fri-6/19/20	14:00:00.00		Y	-	-	-	-	-	-	-	-	-	-	-	-	498	716,703	24.00	-	-	-	-	-	-	-	-	-		
Sat-6/20/20	14:00:00.00	(1)		-	-	-	-	-	-	-	-	-	-	-	-	498	716,855	24.00	-	-	-	-	-	-	-	-	-		
Sun-6/21/20	14:00:00.00	(1)		-	-	-	-	-	-	-	-	-	-	-	-	498	716,837	24.00	-	-	-	-	-	-	-	-	-		
Mon-6/22/20	14:00:00.00		Y	-	-	-	-	-	-	-	-	-	-	-	-	498	716,711	24.00	-	-	-	-	-	-	-	-	-		
Tue-6/23/20	14:00:00.00		Y	-	-	-	-	-	-	-	-	-	-	-	-	498	716,595	24.00	-	-	-	-	-	-	-	-	-		
Wed-6/24/20	14:00:00.00		Y	-	-	-	-	-	-	-	-	-	-	-	-	498	716,580	24.00	-	-	-	-	-	-	-	-	-		
Thu-6/25/20	19:45:00.00		Y	-	-	-	-	-	-	-	-	-	-	-	-	494	545,536	18.42	-	-	-	-	-	-	-	-	-		
Fri-6/26/20	18:00:00.00		Y	-	-	-	-	-	-	-	-	-	-	-	-	493	709,411	24.00	-	-	-	-	-	-	-	-	-		
Sat-6/27/20	16:15:00.00	(1)		-	-	-	-	-	-	-	-	-	-	-	-	498	717,161	24.00	-	-	-	-	-	-	-	-	-		
Sun-6/28/20	14:30:00.00	(1)		-	-	-	-	-	-	-	-	-	-	-	-	498	717,291	24.00	-	-	-	-	-	-	-	-	-		
Mon-6/29/20	14:00:00.00		Y	-	-	-	-	-	-	-	-	-	-	-	-	498	717,215	24.00	-	-	-	-	-	-	-	-	-		
Tue-6/30/20	14:00:00.00		Y	-	-	-	-	-	-	-	-	-	-	-	-	498	717,146	24.00	-	-	-	-	-	-	-	-	-		
TOTALS																	21,056,566	706											

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.

