



June 20, 2022

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

**Re: Monitoring Report #301
May 1 – May 31, 2022**

Dear Ms. Carver:

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, 2022.

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 faint, light blue circular stamp.

Jim Brode, CPG
Senior Project Manager

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



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TABLE #1

UNIT D2 UPGRADIENT EXTRACTION DATA

Month of: May-22

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
Sun-5/1/22	-	-	-	-	-	-	72,464	50	24.00	144,205	100	24.00	150	216,669
Mon-5/2/22	-	-	-	-	-	-	72,459	50	24.00	144,196	100	24.00	150	216,655
Tue-5/3/22	-	-	-	-	-	-	72,447	50	24.00	144,186	100	24.00	150	216,633
Wed-5/4/22	-	-	-	-	-	-	72,339	50	24.00	144,212	100	24.00	150	216,551
Thu-5/5/22	-	-	-	-	-	-	72,378	50	24.00	143,165	99	24.00	150	215,543
Fri-5/6/22	-	-	-	-	-	-	72,383	50	24.00	144,190	100	24.00	150	216,573
Sat-5/7/22	-	-	-	-	-	-	72,442	50	24.00	144,259	100	24.00	150	216,701
Sun-5/8/22	-	-	-	-	-	-	72,336	50	24.00	144,198	100	24.00	150	216,534
Mon-5/9/22	-	-	-	-	-	-	72,399	50	24.00	144,300	100	24.00	150	216,699
Tue-5/10/22	-	-	-	-	-	-	72,403	50	24.00	144,132	100	24.00	150	216,535
Wed-5/11/22	-	-	-	-	-	-	72,396	50	24.00	144,376	100	24.00	151	216,772
Thu-5/12/22	-	-	-	-	-	-	72,436	50	24.00	144,360	100	24.00	151	216,796
Fri-5/13/22	-	-	-	-	-	-	72,492	50	24.00	144,374	100	24.00	151	216,866
Sat-5/14/22	-	-	-	-	-	-	72,446	50	24.00	144,332	100	24.00	151	216,778
Sun-5/15/22	-	-	-	-	-	-	72,383	50	24.00	144,369	100	24.00	151	216,752
Mon-5/16/22	-	-	-	-	-	-	72,399	50	24.00	144,319	100	24.00	150	216,718
Tue-5/17/22	-	-	-	-	-	-	72,494	50	24.00	144,272	100	24.00	151	216,766
Wed-5/18/22	-	-	-	-	-	-	72,373	50	24.00	144,197	100	24.00	150	216,570
Thu-5/19/22	-	-	-	-	-	-	72,401	50	24.00	144,338	100	24.00	151	216,739
Fri-5/20/22	-	-	-	-	-	-	72,408	50	24.00	144,372	100	24.00	151	216,780
Sat-5/21/22	-	-	-	-	-	-	72,425	50	24.00	144,368	100	24.00	151	216,793
Sun-5/22/22	-	-	-	-	-	-	72,384	50	24.00	144,298	100	24.00	150	216,682
Mon-5/23/22	-	-	-	-	-	-	72,376	50	24.00	144,254	100	24.00	150	216,630
Tue-5/24/22	-	-	-	-	-	-	72,392	50	24.00	144,293	100	24.00	150	216,685
Wed-5/25/22	-	-	-	-	-	-	72,987	51	24.00	144,303	100	24.00	151	217,290
Thu-5/26/22	-	-	-	-	-	-	78,571	55	24.00	144,350	100	24.00	155	222,921
Fri-5/27/22	-	-	-	-	-	-	87,508	61	24.00	144,360	100	24.00	161	231,868
Sat-5/28/22	-	-	-	-	-	-	83,717	58	24.00	144,362	100	24.00	158	228,079
Sun-5/29/22	-	-	-	-	-	-	92,641	64	24.00	144,287	100	24.00	165	236,928
Mon-5/30/22	-	-	-	-	-	-	101,237	70	24.00	144,413	100	24.00	171	245,650
Tue-5/31/22	-	-	-	25,333	41	10.38	50,155	66	12.73	143,595	100	23.87	152	219,083
TOTALS	-	-	-	25,333	41	10.38	2,304,671	53	732.73	4,471,235	100	743.87	152	6,801,239

TOTAL VOLUME EXTRACTED :	6,801,239 GALLONS
DAYS IN MONTH :	31 DAYS
MONTHLY AVERAGE FLOW RATE :	152.36 GPM

5/31/22 - TW-5 was shut down for maintenance.

UNIT D2 DOWNGRADIENT EXTRACTION DATA

Month of: May-22

Date	LB-1			LB-4			Daily	Daily
	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.	Flow GPM	Total Gallons
Sun-5/1/22	-	-	-	144,242	100	24.00	100	144,242
Mon-5/2/22	-	-	-	144,199	100	24.00	100	144,199
Tue-5/3/22	-	-	-	144,220	100	24.00	100	144,220
Wed-5/4/22	-	-	-	144,213	100	24.00	100	144,213
Thu-5/5/22	-	-	-	144,214	100	24.00	100	144,214
Fri-5/6/22	-	-	-	144,249	100	24.00	100	144,249
Sat-5/7/22	-	-	-	144,222	100	24.00	100	144,222
Sun-5/8/22	-	-	-	144,178	100	24.00	100	144,178
Mon-5/9/22	-	-	-	144,250	100	24.00	100	144,250
Tue-5/10/22	-	-	-	144,206	100	24.00	100	144,206
Wed-5/11/22	-	-	-	144,246	100	24.00	100	144,246
Thu-5/12/22	-	-	-	144,233	100	24.00	100	144,233
Fri-5/13/22	-	-	-	144,194	100	24.00	100	144,194
Sat-5/14/22	-	-	-	144,218	100	24.00	100	144,218
Sun-5/15/22	-	-	-	144,177	100	24.00	100	144,177
Mon-5/16/22	-	-	-	144,154	100	24.00	100	144,154
Tue-5/17/22	-	-	-	144,180	100	24.00	100	144,180
Wed-5/18/22	-	-	-	144,241	100	24.00	100	144,241
Thu-5/19/22	-	-	-	144,184	100	24.00	100	144,184
Fri-5/20/22	-	-	-	144,212	100	24.00	100	144,212
Sat-5/21/22	-	-	-	144,228	100	24.00	100	144,228
Sun-5/22/22	-	-	-	144,178	100	24.00	100	144,178
Mon-5/23/22	-	-	-	144,214	100	24.00	100	144,214
Tue-5/24/22	-	-	-	144,210	100	24.00	100	144,210
Wed-5/25/22	-	-	-	144,218	100	24.00	100	144,218
Thu-5/26/22	-	-	-	144,174	100	24.00	100	144,174
Fri-5/27/22	-	-	-	144,241	100	24.00	100	144,241
Sat-5/28/22	-	-	-	144,191	100	24.00	100	144,191
Sun-5/29/22	-	-	-	144,228	100	24.00	100	144,228
Mon-5/30/22	-	-	-	144,192	100	24.00	100	144,192
Tue-5/31/22	-	-	-	144,194	100	24.00	100	144,194
TOTALS	-	-	-	4,470,500	100	744.00	100	4,470,500

TOTAL VOLUME EXTRACTED :	4,470,500 GALLONS
DAYS IN MONTH :	31 DAYS
MONTHLY AVERAGE FLOW RATE :	100.15 GPM

TABLE #3

CORE AREA EXTRACTION DATA

Month of: May-22

Core Area Well Extraction																					Daily Flow	Daily Total				
Date	TW-1			TW-2 (Dolph)			TW-3			TW-10			TW-14			TW-20			TW-24			TW-25			GPM	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.	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.		
Sun-5/1/22	-	-	-	33,841	24	24.00	-	-	-	58,045	40	24.00	-	-	-	43,216	30	24.00	35,939	25	24.00	-	-	-	119	171,041
Mon-5/2/22	-	-	-	33,667	23	24.00	-	-	-	58,187	40	24.00	-	-	-	43,183	30	24.00	40,921	28	24.00	-	-	-	122	175,958
Tue-5/3/22	-	-	-	33,572	23	24.00	-	-	-	57,691	40	24.00	-	-	-	43,152	30	24.00	43,361	30	24.00	-	-	-	123	177,776
Wed-5/4/22	-	-	-	33,474	23	24.00	-	-	-	56,291	39	24.00	-	-	-	43,347	30	24.00	43,246	30	24.00	-	-	-	122	176,358
Thu-5/5/22	-	-	-	33,430	23	24.00	-	-	-	56,332	39	24.00	-	-	-	43,568	30	24.00	43,284	30	24.00	-	-	-	123	176,614
Fri-5/6/22	-	-	-	33,391	23	24.00	-	-	-	56,387	39	24.00	-	-	-	43,540	30	24.00	33,937	24	24.00	-	-	-	116	167,255
Sat-5/7/22	-	-	-	33,338	23	24.00	-	-	-	56,317	39	24.00	-	-	-	43,452	30	24.00	28,651	20	24.00	-	-	-	112	161,758
Sun-5/8/22	-	-	-	33,294	23	24.00	-	-	-	56,300	39	24.00	-	-	-	43,331	30	24.00	28,585	20	24.00	-	-	-	112	161,510
Mon-5/9/22	-	-	-	36,576	25	24.00	-	-	-	56,295	39	24.00	-	-	-	43,350	30	24.00	28,610	20	24.00	-	-	-	114	164,831
Tue-5/10/22	-	-	-	37,703	26	24.00	-	-	-	56,252	39	24.00	-	-	-	43,388	30	24.00	28,602	20	24.00	-	-	-	115	165,945
Wed-5/11/22	-	-	-	37,632	26	24.00	-	-	-	56,790	39	24.00	-	-	-	43,375	30	24.00	18,306	20	15.35	-	-	-	108	156,103
Thu-5/12/22	-	-	-	37,484	26	24.00	-	-	-	56,908	40	24.00	-	-	-	43,348	30	24.00	-	-	-	-	-	-	96	137,740
Fri-5/13/22	-	-	-	36,217	25	24.00	-	-	-	56,878	39	24.00	-	-	-	43,307	30	24.00	-	-	-	-	-	-	95	136,402
Sat-5/14/22	-	-	-	36,080	25	24.00	-	-	-	56,761	39	24.00	-	-	-	43,260	30	24.00	-	-	-	-	-	-	95	136,101
Sun-5/15/22	-	-	-	36,082	25	24.00	-	-	-	56,680	39	24.00	-	-	-	43,219	30	24.00	-	-	-	-	-	-	94	135,981
Mon-5/16/22	-	-	-	36,111	25	24.00	-	-	-	56,778	39	24.00	-	-	-	43,220	30	24.00	-	-	-	-	-	-	95	136,109
Tue-5/17/22	-	-	-	36,084	25	24.00	-	-	-	56,902	40	24.00	-	-	-	43,186	30	24.00	-	-	-	-	-	-	95	136,172
Wed-5/18/22	-	-	-	36,113	25	24.00	-	-	-	56,949	40	24.00	-	-	-	43,176	30	24.00	-	-	-	-	-	-	95	136,238
Thu-5/19/22	-	-	-	36,023	25	24.00	-	-	-	56,902	40	24.00	-	-	-	43,149	30	24.00	-	-	-	-	-	-	94	136,074
Fri-5/20/22	-	-	-	35,973	25	24.00	-	-	-	56,977	40	24.00	-	-	-	43,087	30	24.00	6,754	9	11.85	-	-	-	99	142,791
Sat-5/21/22	-	-	-	36,008	25	24.00	-	-	-	56,928	40	24.00	-	-	-	43,062	30	24.00	13,775	10	24.00	-	-	-	104	149,773
Sun-5/22/22	-	-	-	36,022	25	24.00	-	-	-	56,996	40	24.00	-	-	-	43,054	30	24.00	13,698	10	24.00	-	-	-	104	149,770
Mon-5/23/22	-	-	-	36,026	25	24.00	-	-	-	57,317	40	24.00	-	-	-	43,855	37	24.00	13,777	10	24.00	-	-	-	112	160,975
Tue-5/24/22	-	-	-	17,586	25	11.70	-	-	-	57,634	40	24.00	-	-	-	72,159	50	24.00	13,985	10	24.00	-	-	-	112	161,364
Wed-5/25/22	-	-	-	-	-	-	-	-	-	57,690	40	24.00	-	-	-	40,464	30	13.45	14,193	10	24.00	-	-	-	78	112,257
Thu-5/26/22	-	-	-	24,533	26	15.87	-	-	-	60,194	42	24.00	-	-	-	-	-	-	19,109	13	24.00	-	-	-	72	103,836
Fri-5/27/22	-	-	-	36,727	26	24.00	-	-	-	58,462	41	24.00	-	-	-	21,695	30	11.98	21,461	15	24.00	-	-	-	96	138,345
Sat-5/28/22	-	-	-	36,514	25	24.00	-	-	-	36,772	39	24.00	-	-	-	43,567	30	24.00	21,256	15	24.00	-	-	-	110	138,109
Sun-5/29/22	-	-	-	36,302	25	24.00	-	-	-	36,707	39	24.00	-	-	-	43,350	30	24.00	21,245	15	24.00	-	-	-	110	157,694
Mon-5/30/22	-	-	-	36,236	25	24.00	-	-	-	57,165	40	24.00	-	-	-	43,356	30	24.00	21,263	15	24.00	-	-	-	110	158,020
Tue-5/31/22	-	-	-	14,017	25	9.30	-	-	-	56,964	40	24.00	-	-	-	43,407	30	24.00	21,289	15	24.00	-	-	-	94	133,677
TOTALS	-	-	-	1,016,146	25	684.87	-	-	-	1,769,361	40	744.00	-	-	-	1,313,823	32	697.43	575,247	18	531.20	-	-	-	105	4,674,577

TOTAL VOLUME EXTRACTED :	4,674,577 GALLONS
DAYS IN MONTH :	31 DAYS
MONTHLY AVERAGE FLOW RATE :	104.72 GPM

5/24/22 to 5/26/22 - TW-2 was shut down to control Red Pond level.
 5/31/22 - TW-2 down was shut down for rehabilitation.
 5/25/22 to 5/27/22 - TW-20 was shut down for rehabilitation.
 5/11/22 to 5/20/22 - TW-24 was shut down to control Red Pond level.

MARSHY AREA EXTRACTION DATA

Month of: May-22

Marshy Well Extraction				Daily	Daily
Date	PW-1 Gallons	GPM	Run Hrs.	Flow GPM	Total Gallons
Sun-5/1/22	-	-	-	-	-
Mon-5/2/22	-	-	-	-	-
Tue-5/3/22	-	-	-	-	-
Wed-5/4/22	-	-	-	-	-
Thu-5/5/22	-	-	-	-	-
Fri-5/6/22	-	-	-	-	-
Sat-5/7/22	-	-	-	-	-
Sun-5/8/22	-	-	-	-	-
Mon-5/9/22	-	-	-	-	-
Tue-5/10/22	-	-	-	-	-
Wed-5/11/22	-	-	-	-	-
Thu-5/12/22	-	-	-	-	-
Fri-5/13/22	-	-	-	-	-
Sat-5/14/22	-	-	-	-	-
Sun-5/15/22	-	-	-	-	-
Mon-5/16/22	-	-	-	-	-
Tue-5/17/22	240	1	6.83	0	240
Wed-5/18/22	2,179	2	16.33	2	2,179
Thu-5/19/22	3,146	2	24.00	2	3,146
Fri-5/20/22	3,179	2	24.00	2	3,179
Sat-5/21/22	3,179	2	24.00	2	3,179
Sun-5/22/22	3,186	2	24.00	2	3,186
Mon-5/23/22	3,246	2	24.00	2	3,246
Tue-5/24/22	3,281	2	24.00	2	3,281
Wed-5/25/22	3,276	2	24.00	2	3,276
Thu-5/26/22	3,263	2	24.00	2	3,263
Fri-5/27/22	3,247	2	24.00	2	3,247
Sat-5/28/22	3,242	2	24.00	2	3,242
Sun-5/29/22	3,251	2	24.00	2	3,251
Mon-5/30/22	3,239	2	24.00	2	3,239
Tue-5/31/22	3,222	2	24.00	2	3,222
TOTALS	44,376	2	335.17	2	44,376

TOTAL VOLUME EXTRACTED :	44,376 GALLONS
DAYS IN MONTH :	31 DAYS
MONTHLY AVERAGE FLOW RATE :	0.99 GPM

5/1/22 to 5/18/22 - PW-1 was shut down for pump replacement and rehabilitation.

SOUTHWEST AREA EXTRACTION DATA

Month of: May-22

SouthWest Well Extraction							Daily	Daily
Date	TW22			TW28			Flow	Total
	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.	GPM	Gallons
Sun-5/1/22	3,006	2	24.00	36,228	25	24.00	27	39,234
Mon-5/2/22	3,042	2	24.00	36,242	25	24.00	27	39,284
Tue-5/3/22	3,042	2	24.00	36,243	25	24.00	27	39,285
Wed-5/4/22	3,038	2	24.00	36,204	25	24.00	27	39,242
Thu-5/5/22	3,039	2	24.00	36,207	25	24.00	27	39,246
Fri-5/6/22	3,045	2	24.00	36,211	25	24.00	27	39,256
Sat-5/7/22	3,048	2	24.00	36,168	25	24.00	27	39,216
Sun-5/8/22	3,053	2	24.00	36,142	25	24.00	27	39,195
Mon-5/9/22	3,066	2	24.00	36,200	25	24.00	27	39,266
Tue-5/10/22	3,178	2	23.70	36,004	25	24.00	27	39,182
Wed-5/11/22	3,325	2	24.00	35,728	25	24.00	27	39,053
Thu-5/12/22	3,342	2	23.95	35,881	25	24.00	27	39,223
Fri-5/13/22	3,349	2	24.00	35,998	25	24.00	27	39,347
Sat-5/14/22	3,343	2	24.00	35,975	25	24.00	27	39,318
Sun-5/15/22	3,339	2	24.00	35,949	25	24.00	27	39,288
Mon-5/16/22	3,330	2	24.00	35,962	25	24.00	27	39,292
Tue-5/17/22	3,330	2	24.00	35,927	25	24.00	27	39,257
Wed-5/18/22	1,146	2	8.25	36,054	25	24.00	27	37,200
Thu-5/19/22	-	0	-	36,072	25	24.00	25	36,072
Fri-5/20/22	-	0	-	35,919	25	24.00	25	35,919
Sat-5/21/22	-	0	-	35,786	25	24.00	25	35,786
Sun-5/22/22	-	0	-	35,766	25	24.00	25	35,766
Mon-5/23/22	-	0	-	11,769	25	7.88	25	11,769
Tue-5/24/22	-	0	-	-	0	-	0	-
Wed-5/25/22	-	0	-	18,001	25	12.03	25	18,001
Thu-5/26/22	-	0	-	35,841	25	24.00	25	35,841
Fri-5/27/22	-	0	-	35,884	25	24.00	25	35,884
Sat-5/28/22	-	0	-	36,157	25	24.00	25	36,157
Sun-5/29/22	-	0	-	36,147	25	24.00	25	36,147
Mon-5/30/22	-	0	-	35,449	25	24.00	25	35,449
Tue-5/31/22	-	0	-	34,202	24	24.00	24	34,202
TOTALS	55,061	1	415.90	1,036,316	24	691.92	25	1,091,377

TOTAL VOLUME EXTRACTED :	1,091,377 GALLONS
DAYS IN MONTH :	31 DAYS
MONTHLY AVERAGE FLOW RATE :	24.45 GPM

5/18/22 to 5/31/22 - TW-22 was shut down for maintenance and rehabilitation.
 5/23/22 to 5/25/22 - TW-28 was shut down for rehabilitation.

TABLE #6

UNIT "E" EXTRACTION DATA

Month of: May-22

Date	TW-11			TW-17			TW-18			TW-29			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.		
Sun-5/1/22	-	-	-	36,276	25	24.00	146,492	102	24.00	71,950	50	24.00	72,149	50	24.00	227	326,867
Mon-5/2/22	-	-	-	12,358	25	8.18	146,469	102	24.00	71,896	50	24.00	72,133	50	24.00	210	302,836
Tue-5/3/22	-	-	-	36,060	25	24.00	146,487	102	24.00	71,885	50	24.00	72,158	50	24.00	227	326,590
Wed-5/4/22	-	-	-	35,930	25	24.00	146,512	102	24.00	71,970	50	24.00	72,132	50	24.00	227	326,544
Thu-5/5/22	-	-	-	35,970	25	24.00	146,287	102	23.90	71,813	50	24.00	72,181	50	24.00	227	326,251
Fri-5/6/22	-	-	-	45,458	32	24.00	146,503	102	24.00	71,870	50	24.00	72,285	50	24.00	233	336,116
Sat-5/7/22	-	-	-	50,616	35	24.00	146,548	102	24.00	71,879	50	24.00	72,254	50	24.00	237	341,297
Sun-5/8/22	-	-	-	50,602	35	24.00	146,487	102	24.00	71,936	50	24.00	72,198	50	24.00	237	341,223
Mon-5/9/22	-	-	-	50,676	35	24.00	146,562	102	24.00	71,766	50	24.00	72,125	50	24.00	237	341,129
Tue-5/10/22	-	-	-	50,726	35	24.00	146,574	102	24.00	71,846	50	24.00	72,161	50	24.00	237	341,307
Wed-5/11/22	-	-	-	34,580	35	16.37	146,600	102	24.00	71,824	50	24.00	72,158	50	24.00	226	325,162
Thu-5/12/22	-	-	-	50,550	35	24.00	146,627	102	24.00	70,450	50	23.50	64,208	50	21.33	230	331,835
Fri-5/13/22	-	-	-	50,449	35	24.00	146,609	102	24.00	72,051	50	24.00	72,175	50	24.00	237	341,284
Sat-5/14/22	-	-	-	50,462	35	24.00	146,581	102	24.00	72,076	50	24.00	72,190	50	24.00	237	341,309
Sun-5/15/22	-	-	-	71,111	58	20.57	146,594	102	24.00	72,066	50	24.00	72,183	50	24.00	251	361,954
Mon-5/16/22	-	-	-	35,076	41	14.13	146,561	102	24.00	72,002	50	24.00	72,185	50	24.00	226	325,824
Tue-5/17/22	-	-	-	50,624	35	24.00	146,529	102	24.00	71,967	50	24.00	72,179	50	24.00	237	341,299
Wed-5/18/22	-	-	-	50,591	35	24.00	146,533	102	24.00	72,006	50	24.00	72,190	50	24.00	237	341,320
Thu-5/19/22	-	-	-	50,716	35	24.00	146,631	102	24.00	72,026	50	24.00	72,136	50	24.00	237	341,509
Fri-5/20/22	-	-	-	50,553	35	24.00	146,664	102	24.00	71,949	50	24.00	72,121	50	24.00	237	341,287
Sat-5/21/22	-	-	-	50,351	35	24.00	146,656	102	24.00	71,888	50	24.00	72,121	50	24.00	237	341,016
Sun-5/22/22	-	-	-	50,369	35	24.00	146,593	102	24.00	72,039	50	24.00	72,155	50	24.00	237	341,156
Mon-5/23/22	-	-	-	50,706	35	24.00	146,671	102	24.00	72,108	50	24.00	72,178	50	24.00	237	341,663
Tue-5/24/22	-	-	-	50,515	35	24.00	146,670	102	24.00	72,095	50	24.00	72,146	50	24.00	237	341,426
Wed-5/25/22	-	-	-	50,619	35	24.00	146,733	102	24.00	72,077	50	24.00	72,157	50	24.00	237	341,586
Thu-5/26/22	-	-	-	50,656	35	24.00	146,783	102	24.00	71,957	50	24.00	72,176	50	24.00	237	341,572
Fri-5/27/22	-	-	-	73,931	51	24.00	146,791	102	24.00	71,936	50	24.00	72,168	50	24.00	253	364,826
Sat-5/28/22	-	-	-	86,619	60	24.00	146,827	102	24.00	71,949	50	24.00	72,119	50	24.00	262	377,514
Mon-5/29/22	-	-	-	86,661	60	24.00	146,756	102	24.00	72,012	50	24.00	72,125	50	24.00	262	377,554
Tue-5/30/22	-	-	-	86,672	60	24.00	146,975	102	24.00	71,960	50	24.00	72,165	50	24.00	262	377,772
Tue-5/31/22	-	-	-	84,355	59	24.00	146,127	102	23.85	71,197	50	23.73	71,361	50	23.73	259	373,040
TOTALS	-	-	-	1,620,818	38	707.25	4,544,432	102	743.75	2,228,446	50	743.23	2,228,372	50	741.06	238	10,622,068

TOTAL VOLUME EXTRACTED :	10,622,068 GALLONS
DAYS IN MONTH :	31 DAYS
MONTHLY AVERAGE FLOW RATE :	237.95 GPM

5/2/22 - TW-17 was shut down to control Red Pond level.
 5/11/22 TW-17 was shut down to control Red Pond level.
 5/15/22 to 5/16/22 - TW-17 was sut down to control Red Pond level.
 5/12/22 - TW-23 was shut down for maintenance.

TABLE #7

Little Lake Area System

MW-53i	
Date	1,4-Dioxane ug/L
02/10/22	43
03/14/22	39
04/04/22	36
05/06/22	26

TABLE #8

INDIVIDUAL PURGE WELL CONCENTRATIONS

SAMPLE ID	Date Sampled	1,4-DIOXANE (ppb)
DOLPH-05-12-22-13:40-1	05/12/22	130
TW-10-05-12-22-12:55-1	05/12/22	350
TW-20-05-12-22-12:50-1	05/12/22	560
TW-24-05-24-22-08:00-1	05/24/22	2100
LB-4-05-12-22-10:30-1	05/12/22	770
TW-21-05-12-22-12:25-1	05/12/22	280
TW-5-05-12-22-12:35-1	05/12/22	610
TW-17-05-12-22-12:45-1	05/12/22	70
TW-18-05-12-22-12:30-1	05/12/22	230
TW-23-05-12-22-10:55-1	05/12/22	290
TW-29-05-12-22-11:15-1	05/12/22	390
PW-1-05-18-22-07:35-1	05/18/22	800
TW-22-05-12-22-13:00-1	05/12/22	410
TW-28-05-12-22-13:30-1	05/12/22	530
TW-28-05-26-22-08:30-1	05/26/22	600

RED POND DATA

Month of: May-22

Date	Time	Notes	Red Pond				
			Pond	Level	Aeration	Influent	Influent
			Visual Chk	Feet	Hours	Hours	GPM
Sun-5/1/22	04:00:00.000	(1)		4.0	-	24.00	624
Mon-5/2/22	04:00:00.000		Y	4.1	-	24.00	610
Tue-5/3/22	04:00:00.000		Y	4.2	-	24.00	628
Wed-5/4/22	04:00:00.000		Y	4.3	-	24.00	627
Thu-5/5/22	04:00:00.000		Y	4.3	-	24.00	626
Fri-5/6/22	04:00:00.000		Y	4.4	-	24.00	627
Sat-5/7/22	04:00:00.000	(1)		4.5	-	24.00	627
Sun-5/8/22	04:00:00.000	(1)		4.6	-	24.00	627
Mon-5/9/22	04:00:00.000		Y	4.7	-	24.00	629
Tue-5/10/22	04:00:00.000		Y	5.0	-	24.00	630
Wed-5/11/22	04:00:00.000		Y	4.8	-	24.00	612
Thu-5/12/22	04:00:00.000		Y	4.8	-	24.00	604
Fri-5/13/22	04:00:00.000		Y	4.7	-	24.00	610
Sat-5/14/22	04:00:00.000	(1)		4.7	-	24.00	610
Sun-5/15/22	04:00:00.000	(1)		4.8	-	24.00	624
Mon-5/16/22	04:00:00.000		Y	4.9	-	24.00	599
Tue-5/17/22	04:00:00.000		Y	4.8	-	24.00	610
Wed-5/18/22	04:00:00.000		Y	4.6	-	24.00	610
Thu-5/19/22	04:00:00.000		Y	4.3	-	24.00	610
Fri-5/20/22	04:00:00.000		Y	4.4	-	24.00	614
Sat-5/21/22	04:00:00.000	(1)		4.4	-	24.00	619
Sun-5/22/22	04:00:00.000	(1)		4.3	-	24.00	619
Mon-5/23/22	04:00:00.000		Y	4.2	-	24.00	610
Tue-5/24/22	04:00:00.000		Y	4.8	-	24.00	602
Wed-5/25/22	04:00:00.000		Y	4.1	-	24.00	581
Thu-5/26/22	04:00:00.000		Y	3.6	-	24.00	591
Fri-5/27/22	04:00:00.000		Y	3.9	-	24.00	638
Sat-5/28/22	04:00:00.000	(1)		4.3	-	24.00	658
Sun-5/29/22	04:00:00.000	(1)		4.5	-	24.00	664
Mon-5/30/22	04:00:00.000		Y	4.8	-	24.00	670
Tue-5/31/22	04:00:00.000		Y	5.0	-	24.00	632
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

SAMPLE ID	Date Sampled	1,4-DIOXANE (ppb)
Red Pond-05-02-22-07:10-1	5/2/2022	510
Red Pond-05-03-22-07:30-1	5/3/2022	610
Red Pond-05-04-22-07:45-1	5/4/2022	580
Red Pond-05-05-22-09:50-1	5/5/2022	500
Red Pond-05-06-22-07:20-1	5/6/2022	630
Red Pond-05-09-22-07:10-1	5/9/2022	440
Red Pond-05-10-22-07:40-1	5/10/2022	440
Red Pond-05-11-22-07:10-1	5/11/2022	450
Red Pond-05-12-22-07:50-1	5/12/2022	400
Red Pond-05-16-22-10:00-1	5/16/2022	340
Red Pond-05-23-22-08:00-1	5/23/2022	390
Red Pond-05-31-22-07:55-1	5/31/2022	440

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

OZONE OPERATION REPORT

Month of: May-22

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
Sun-5/1/22	04:00:00.000	(1)	240	24.00	0	0.00	380	24.00	0	0.00
Mon-5/2/22	04:00:00.000		240	24.00	0	0.00	380	24.00	0	0.00
Tue-5/3/22	04:00:00.000		240	24.00	0	0.00	380	24.00	0	0.00
Wed-5/4/22	04:00:00.000		240	24.00	0	0.00	380	24.00	0	0.00
Thu-5/5/22	04:00:00.000		240	24.00	0	0.00	381	24.00	0	0.00
Fri-5/6/22	04:00:00.000		240	24.00	0	0.00	381	24.00	0	0.00
Sat-5/7/22	04:00:00.000	(1)	240	24.00	0	0.00	381	24.00	0	0.00
Sun-5/8/22	04:00:00.000	(1)	240	24.00	0	0.00	381	24.00	0	0.00
Mon-5/9/22	04:00:00.000		240	24.00	0	0.00	381	24.00	0	0.00
Tue-5/10/22	04:00:00.000		240	24.00	0	0.00	381	24.00	0	0.00
Wed-5/11/22	04:00:00.000		241	24.00	0	0.00	380	24.00	0	0.00
Thu-5/12/22	04:00:00.000		240	23.32	0	0.00	379	23.75	0	0.00
Fri-5/13/22	04:00:00.000		240	24.00	0	0.00	380	24.00	0	0.00
Sat-5/14/22	04:00:00.000	(1)	240	24.00	0	0.00	381	24.00	0	0.00
Sun-5/15/22	04:00:00.000	(1)	240	24.00	0	0.00	379	24.00	0	0.00
Mon-5/16/22	04:00:00.000		240	24.00	0	0.00	381	24.00	0	0.00
Tue-5/17/22	04:00:00.000		240	24.00	0	0.00	380	24.00	0	0.00
Wed-5/18/22	04:00:00.000		240	24.00	0	0.00	381	24.00	0	0.00
Thu-5/19/22	04:00:00.000		240	24.00	0	0.00	381	24.00	0	0.00
Fri-5/20/22	04:00:00.000		240	24.00	0	0.00	381	24.00	0	0.00
Sat-5/21/22	04:00:00.000	(1)	240	24.00	0	0.00	380	24.00	0	0.00
Sun-5/22/22	04:00:00.000	(1)	240	24.00	0	0.00	380	24.00	0	0.00
Mon-5/23/22	04:00:00.000		240	23.88	0	0.00	381	23.17	0	0.00
Tue-5/24/22	04:00:00.000		240	21.35	0	0.00	381	22.02	0	0.00
Wed-5/25/22	04:00:00.000		240	24.00	0	0.00	381	24.00	0	0.00
Thu-5/26/22	04:00:00.000		241	24.00	0	0.00	381	24.00	0	0.00
Fri-5/27/22	04:00:00.000		240	24.00	0	0.00	381	24.00	0	0.00
Sat-5/28/22	04:00:00.000	(1)	240	24.00	0	0.00	380	24.00	0	0.00
Sun-5/29/22	04:00:00.000	(1)	241	23.77	0	0.00	380	23.72	0	0.00
Mon-5/30/22	04:00:00.000		240	24.00	0	0.00	381	24.00	0	0.00
Tue-5/31/22	04:00:00.000		239	24.00	0	0.00	382	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.

5/24/22 - Treatment System was shut down for system maintenance.

TABLE #12

GREEN POND / DISCHARGE DATA

Month of: May-22

			Green Pond																	
Date	Time	Notes	Pond			Pond Discharge			Bypass Discharge			Recirc Thru UV to Pond			Recirc Thru UV to Disch					
			Visual Chk	Level Feet	Aeration Hours	Influent Hours	Influent GPM	GPM	Gallons	Hours	GPM	Gallons	Hours	GPM	Gallons	Hours	GPM	Gallons	Hours	
Sun-5/1/22	04:00:00.000	(1)		-	-					643	925,427	24.00	-	-	-	-	-	-		
Mon-5/2/22	04:00:00.000		Y	-	-					643	925,310	24.00	-	-	-	-	-	-		
Tue-5/3/22	04:00:00.000		Y	-	-					643	925,439	24.00	-	-	-	-	-	-		
Wed-5/4/22	04:00:00.000		Y	-	-					643	925,445	24.00	-	-	-	-	-	-		
Thu-5/5/22	04:00:00.000		Y	-	-					643	925,644	24.00	-	-	-	-	-	-		
Fri-5/6/22	04:00:00.000		Y	-	-					643	925,890	24.00	-	-	-	-	-	-		
Sat-5/7/22	04:00:00.000	(1)		-	-					643	925,909	24.00	-	-	-	-	-	-		
Sun-5/8/22	04:00:00.000	(1)		-	-					643	925,900	24.00	-	-	-	-	-	-		
Mon-5/9/22	04:00:00.000		Y	-	-					643	926,334	24.00	-	-	-	-	-	-		
Tue-5/10/22	04:00:00.000		Y	-	-					643	926,535	24.00	-	-	-	-	-	-		
Wed-5/11/22	04:00:00.000		Y	-	-					643	926,519	24.00	-	-	-	-	-	-		
Thu-5/12/22	04:00:00.000		Y	-	-					638	906,646	23.68	-	-	-	-	-	-		
Fri-5/13/22	04:00:00.000		Y	-	-					644	927,841	24.00	-	-	-	-	-	-		
Sat-5/14/22	04:00:00.000	(1)		-	-					644	927,824	24.00	-	-	-	-	-	-		
Sun-5/15/22	04:00:00.000	(1)		-	-					644	927,622	24.00	-	-	-	-	-	-		
Mon-5/16/22	04:00:00.000		Y	-	-					645	928,096	24.00	-	-	-	-	-	-		
Tue-5/17/22	04:00:00.000		Y	-	-					644	927,420	24.00	-	-	-	-	-	-		
Wed-5/18/22	04:00:00.000		Y	-	-					644	927,465	24.00	-	-	-	-	-	-		
Thu-5/19/22	04:00:00.000		Y	-	-					644	927,735	24.00	-	-	-	-	-	-		
Fri-5/20/22	04:00:00.000		Y	-	-					645	928,081	24.00	-	-	-	-	-	-		
Sat-5/21/22	04:00:00.000	(1)		-	-					644	927,684	24.00	-	-	-	-	-	-		
Sun-5/22/22	04:00:00.000	(1)		-	-					644	927,069	24.00	-	-	-	-	-	-		
Mon-5/23/22	04:00:00.000		Y	-	-					626	901,694	24.00	-	-	-	-	-	-		
Tue-5/24/22	04:00:00.000		Y	-	-					640	750,662	19.55	-	-	-	-	-	-		
Wed-5/25/22	04:00:00.000		Y	-	-					644	928,014	24.00	-	-	-	-	-	-		
Thu-5/26/22	04:00:00.000		Y	-	-					645	928,267	24.00	-	-	-	-	-	-		
Fri-5/27/22	04:00:00.000		Y	-	-					645	928,263	24.00	-	-	-	-	-	-		
Sat-5/28/22	04:00:00.000	(1)		-	-					645	928,207	24.00	-	-	-	-	-	-		
Sun-5/29/22	04:00:00.000	(1)		-	-					643	915,945	23.75	-	-	-	-	-	-		
Mon-5/30/22	04:00:00.000		Y	-	-					645	928,628	24.00	-	-	-	-	-	-		
Tue-5/31/22	04:00:00.000		Y	-	-					645	928,690	24.00	-	-	-	-	-	-		
TOTALS											28,506,205	739								

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)	(Annually)	(Annually)	(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
5/1/2022	0.925	*G	*G	6								11	
5/2/2022	0.925			6	0.510	<50	<0.16	yes	yes	7.0	7.0	9.2	38
5/3/2022	0.925			6	0.610	<50	<0.16	no	no	6.9	6.9	9.2	
5/4/2022	0.925			7	0.580	<50	<0.16	no	yes	7.0	7.0	13	34
5/5/2022	0.926			7	0.500	<50	<0.16	no	no	6.8	6.8	12	
5/6/2022	0.926				0.630	<50	<0.16	no	no	6.8	6.8		
5/7/2022	0.926												
5/8/2022	0.926			6.3								12	
5/9/2022	0.926			6.9	0.440	<50	<0.16	yes	yes	6.8	6.8	11	47
5/10/2022	0.927			6.5	0.440	<50	<0.16	no	no	6.8	6.8	11	
5/11/2022	0.927			6.8	0.450	<50	<0.16	no	yes	6.8	6.8	8.6	30
5/12/2022	0.907			8.1	0.400	<50	<0.16	no	no	6.8	6.8	8.3	
5/13/2022	0.928					<50	<0.16	no	no	6.8	6.8		
5/14/2022	0.928												
5/15/2022	0.928			5.5								5.5	
5/16/2022	0.928			6.5	0.340	<50	<0.16	yes	yes	6.8	6.8	7.8	34
5/17/2022	0.927			5.0		<50	<0.16	no	no	6.8	6.8	8.0	
5/18/2022	0.927			6.0		<50	<0.16	no	yes	6.7	6.7	6.3	35
5/19/2022	0.928			6.0		<50	<0.16	no	no	6.8	6.8	5.6	
5/20/2022	0.928					<50	<0.16	no	no	6.7	6.7		
5/21/2022	0.928												
5/22/2022	0.927			4.3								27	
5/23/2022	0.902			6.2	0.390	<50	<0.16	yes	yes	6.9	6.9	6.0	32
5/24/2022	0.751			5.5		<50	<0.16	no	no	6.8	6.8	6.3	
5/25/2022	0.928			5.9		<50	<0.16	no	yes	6.7	6.7	5.4	40
5/26/2022	0.928			5.4		<50	<0.16	no	no	6.8	6.8	6.1	
5/27/2022	0.928					<50	<0.16	no	no	6.8	6.8		
5/28/2022	0.928												
5/29/2022	0.916			6.7								7.6	
5/30/2022	0.929			8.1								7.4	
5/31/2022	0.929			5.2	0.440	<50	<0.16	yes		6.8	6.8	6.6	40
Discharged	28.506												
Monthly Avg	0.920			6.1								9.2	

5/30/22 - Memorial Day holiday.