



January 20, 2021

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

**Re: Monitoring Report # 284
December 1 – December 31, 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 December 1 through December 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, EGLE
Supervisor, Scio Twp.
City of Ann Arbor



EXTRACTION DATA

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TABLE #1

UNIT D2 UPGRADIENT EXTRACTION DATA

Month of: Dec-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
Tue-12/1/20	-	-	-	-	-	-	-	-	-	71,990	50	24.00	50	71,990
Wed-12/2/20	-	-	-	-	-	-	-	-	-	72,012	50	24.00	50	72,012
Thu-12/3/20	-	-	-	-	-	-	-	-	-	72,048	50	24.00	50	72,048
Fri-12/4/20	-	-	-	-	-	-	-	-	-	72,034	50	24.00	50	72,034
Sat-12/5/20	-	-	-	-	-	-	-	-	-	71,987	50	24.00	50	71,987
Sun-12/6/20	-	-	-	-	-	-	-	-	-	71,965	50	24.00	50	71,965
Mon-12/7/20	-	-	-	-	-	-	-	-	-	71,976	50	24.00	50	71,976
Tue-12/8/20	-	-	-	-	-	-	-	-	-	72,035	50	24.00	50	72,035
Wed-12/9/20	-	-	-	-	-	-	-	-	-	72,016	50	24.00	50	72,016
Thu-12/10/20	-	-	-	-	-	-	-	-	-	72,010	50	24.00	50	72,010
Fri-12/11/20	-	-	-	-	-	-	-	-	-	72,062	50	24.00	50	72,062
Sat-12/12/20	-	-	-	-	-	-	-	-	-	72,060	50	24.00	50	72,060
Sun-12/13/20	-	-	-	-	-	-	-	-	-	72,008	50	24.00	50	72,008
Mon-12/14/20	-	-	-	-	-	-	-	-	-	71,985	50	24.00	50	71,985
Tue-12/15/20	-	-	-	-	-	-	-	-	-	71,924	50	24.00	50	71,924
Wed-12/16/20	-	-	-	-	-	-	-	-	-	71,948	50	24.00	50	71,948
Thu-12/17/20	-	-	-	-	-	-	-	-	-	71,971	50	24.00	50	71,971
Fri-12/18/20	-	-	-	-	-	-	-	-	-	71,968	50	24.00	50	71,968
Sat-12/19/20	-	-	-	-	-	-	-	-	-	71,986	50	24.00	50	71,986
Sun-12/20/20	-	-	-	-	-	-	-	-	-	71,997	50	24.00	50	71,997
Mon-12/21/20	-	-	-	-	-	-	-	-	-	76,964	53	24.00	53	76,964
Tue-12/22/20	-	-	-	-	-	-	-	-	-	79,189	55	24.00	55	79,189
Wed-12/23/20	-	-	-	-	-	-	-	-	-	79,218	55	24.00	55	79,218
Thu-12/24/20	-	-	-	-	-	-	-	-	-	79,167	55	24.00	55	79,167
Fri-12/25/20	-	-	-	-	-	-	-	-	-	79,123	55	24.00	55	79,123
Sat-12/26/20	-	-	-	-	-	-	-	-	-	79,139	55	24.00	55	79,139
Sun-12/27/20	-	-	-	-	-	-	-	-	-	79,154	55	24.00	55	79,154
Mon-12/28/20	-	-	-	-	-	-	-	-	-	79,164	55	24.00	55	79,164
Tue-12/29/20	-	-	-	-	-	-	-	-	-	79,152	55	24.00	55	79,152
Wed-12/30/20	-	-	-	-	-	-	-	-	-	79,171	55	24.00	55	79,171
Thu-12/31/20	-	-	-	-	-	-	-	-	-	79,153	55	24.00	55	79,153.00
TOTALS	-	-	-	-	-	-	-	-	-	2,308,576	52	744.00	52	2,308,576

TOTAL VOLUME EXTRACTED :	2,308,576 GALLONS
DAYS IN MONTH :	31 DAYS
MONTHLY AVERAGE FLOW RATE :	51.72 GPM

UNIT D2 DOWNGRADIENT EXTRACTION DATA

Month of: **Dec-20**

Date	LB-1			LB-4			Daily	Daily
	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.	Flow GPM	Total Gallons
Tue-12/1/20	-		-	144,185	100	24.00	100	144,185
Wed-12/2/20	-		-	144,210	100	24.00	100	144,210
Thu-12/3/20	-		-	144,205	100	24.00	100	144,205
Fri-12/4/20	-		-	144,189	100	24.00	100	144,189
Sat-12/5/20	-		-	144,220	100	24.00	100	144,220
Sun-12/6/20	-		-	144,256	100	24.00	100	144,256
Mon-12/7/20	-		-	144,239	100	24.00	100	144,239
Tue-12/8/20	-		-	144,275	100	24.00	100	144,275
Wed-12/9/20	-		-	144,194	100	24.00	100	144,194
Thu-12/10/20	-		-	144,197	100	24.00	100	144,197
Fri-12/11/20	-		-	144,181	100	24.00	100	144,181
Sat-12/12/20	-		-	144,204	100	24.00	100	144,204
Sun-12/13/20	-		-	144,198	100	24.00	100	144,198
Mon-12/14/20	-		-	144,230	100	24.00	100	144,230
Tue-12/15/20	-		-	144,216	100	24.00	100	144,216
Wed-12/16/20	-		-	144,216	100	24.00	100	144,216
Thu-12/17/20	-		-	144,197	100	24.00	100	144,197
Fri-12/18/20	-		-	144,233	100	24.00	100	144,233
Sat-12/19/20	-		-	144,212	100	24.00	100	144,212
Sun-12/20/20	-		-	137,843	100	22.93	96	137,843
Mon-12/21/20	-		-	144,183	100	24.00	100	144,183
Tue-12/22/20	-		-	144,205	100	24.00	100	144,205
Wed-12/23/20	-		-	143,477	100	23.88	100	143,477
Thu-12/24/20	-		-	144,196	100	24.00	100	144,196
Fri-12/25/20	-		-	144,223	100	24.00	100	144,223
Sat-12/26/20	-		-	144,234	100	24.00	100	144,234
Sun-12/27/20	-		-	144,214	100	24.00	100	144,214
Mon-12/28/20	-		-	144,226	100	24.00	100	144,226
Tue-12/29/20	-		-	144,232	100	24.00	100	144,232
Wed-12/30/20	-		-	144,205	100	24.00	100	144,205
Thu-12/31/20	-		-	144,247	100	24.00	100	144,247
TOTALS	-		-	4,463,542	100	742.81	100	4,463,542

TOTAL VOLUME EXTRACTED :	4,463,542 GALLONS
DAYS IN MONTH :	31 DAYS
MONTHLY AVERAGE FLOW RATE :	99.99 GPM

12/20/20 - LB-4 was shut down briefly due to communication loss.

TABLE #3

CORE AREA EXTRACTION DATA

Month of: Dec-20

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
Tue-12/1/20	-	-	-	41,488	29	24.00	-	-	-	-	-	-	-	-	-	28,916	20	24.00	49	70,404
Wed-12/2/20	-	-	-	41,491	29	24.00	-	-	-	-	-	-	-	-	-	28,922	20	24.00	49	70,413
Thu-12/3/20	-	-	-	41,480	29	24.00	-	-	-	-	-	-	-	-	-	28,946	20	24.00	49	70,426
Fri-12/4/20	-	-	-	41,525	29	24.00	-	-	-	-	-	-	-	-	-	28,953	20	24.00	49	70,478
Sat-12/5/20	-	-	-	41,310	29	24.00	-	-	-	-	-	-	-	-	-	28,907	20	24.00	49	70,217
Sun-12/6/20	-	-	-	41,199	29	24.00	-	-	-	-	-	-	-	-	-	28,907	20	24.00	49	70,106
Mon-12/7/20	-	-	-	40,993	28	24.00	-	-	-	-	-	-	-	-	-	28,946	20	24.00	49	69,939
Tue-12/8/20	-	-	-	40,722	28	24.00	-	-	-	-	-	-	-	-	-	28,919	20	24.00	48	69,641
Wed-12/9/20	-	-	-	40,662	28	24.00	-	-	-	-	-	-	-	-	-	28,926	20	24.00	48	69,588
Thu-12/10/20	-	-	-	40,152	28	24.00	-	-	-	-	-	-	-	-	-	28,974	20	24.00	48	69,126
Fri-12/11/20	-	-	-	40,075	28	24.00	-	-	-	-	-	-	-	-	-	28,895	20	24.00	48	68,970
Sat-12/12/20	-	-	-	39,988	28	24.00	-	-	-	-	-	-	-	-	-	28,896	20	24.00	48	68,884
Sun-12/13/20	-	-	-	39,048	27	24.00	-	-	-	-	-	-	-	-	-	28,958	20	24.00	47	68,006
Mon-12/14/20	-	-	-	38,651	27	24.00	-	-	-	-	-	-	-	-	-	28,913	20	24.00	47	67,564
Tue-12/15/20	-	-	-	37,982	26	24.00	-	-	-	-	-	-	-	-	-	28,954	20	24.00	46	66,936
Wed-12/16/20	-	-	-	38,215	27	24.00	-	-	-	-	-	-	-	-	-	28,932	20	24.00	47	67,147
Thu-12/17/20	-	-	-	37,683	26	24.00	-	-	-	-	-	-	-	-	-	28,925	20	24.00	46	66,608
Fri-12/18/20	-	-	-	36,937	26	24.00	-	-	-	-	-	-	-	-	-	28,909	20	23.98	46	65,846
Sat-12/19/20	-	-	-	36,802	26	24.00	-	-	-	-	-	-	-	-	-	28,892	20	24.00	46	65,694
Sun-12/20/20	-	-	-	36,600	25	24.00	-	-	-	-	-	-	-	-	-	28,900	20	24.00	45	65,500
Mon-12/21/20	-	-	-	36,308	25	24.00	-	-	-	-	-	-	-	-	-	28,921	20	24.00	45	65,229
Tue-12/22/20	-	-	-	35,214	24	24.00	-	-	-	-	-	-	-	-	-	28,953	20	24.00	45	64,167
Wed-12/23/20	-	-	-	35,240	24	24.00	-	-	-	-	-	-	-	-	-	28,914	20	24.00	45	64,154
Thu-12/24/20	-	-	-	34,918	24	24.00	-	-	-	-	-	-	-	-	-	28,919	20	24.00	44	63,837
Fri-12/25/20	-	-	-	34,336	24	24.00	-	-	-	-	-	-	-	-	-	28,907	20	24.00	44	63,243
Sat-12/26/20	-	-	-	33,631	23	24.00	-	-	-	-	-	-	-	-	-	28,940	20	24.00	43	62,571
Sun-12/27/20	-	-	-	33,241	23	24.00	-	-	-	-	-	-	-	-	-	28,920	20	23.98	43	62,161
Mon-12/28/20	-	-	-	32,524	23	24.00	-	-	-	-	-	-	-	-	-	28,937	20	24.00	43	61,461
Tue-12/29/20	-	-	-	31,817	22	24.00	-	-	-	-	-	-	-	-	-	28,913	20	24.00	42	60,730
Wed-12/30/20	-	-	-	32,283	22	24.00	-	-	-	-	-	-	-	-	-	28,924	20	24.00	43	61,207
Thu-12/31/20	-	-	-	31,237	22	24.00	-	-	-	-	-	-	-	-	-	28,935	20	24.00	42	60,172
TOTALS	-	-	-	1,163,752	26	744.00	-	-	-	-	-	-	-	-	-	896,673	20	743.97	46	2,060,425

TOTAL VOLUME EXTRACTED :	2,060,425 GALLONS
DAYS IN MONTH :	31 DAYS
MONTHLY AVERAGE FLOW RATE :	45.16 GPM

MARSHY AREA EXTRACTION DATA

Month of: Dec-20

Marshy Well Extraction				Daily	Daily
Date	PW-1 Gallons	GPM	Run Hrs.	Flow GPM	Total Gallons
Tue-12/1/20	1,850	1	24.00	1	1,850
Wed-12/2/20	1,841	1	24.00	1	1,841
Thu-12/3/20	1,862	1	24.00	1	1,862
Fri-12/4/20	1,875	1	24.00	1	1,875
Sat-12/5/20	1,879	1	24.00	1	1,879
Sun-12/6/20	1,881	1	24.00	1	1,881
Mon-12/7/20	1,885	1	24.00	1	1,885
Tue-12/8/20	1,887	1	24.00	1	1,887
Wed-12/9/20	1,888	1	24.00	1	1,888
Thu-12/10/20	1,886	1	24.00	1	1,886
Fri-12/11/20	1,882	1	24.00	1	1,882
Sat-12/12/20	1,890	1	24.00	1	1,890
Sun-12/13/20	1,896	1	24.00	1	1,896
Mon-12/14/20	1,903	1	24.00	1	1,903
Tue-12/15/20	1,904	1	24.00	1	1,904
Wed-12/16/20	1,908	1	24.00	1	1,908
Thu-12/17/20	1,904	1	24.00	1	1,904
Fri-12/18/20	1,903	1	24.00	1	1,903
Sat-12/19/20	1,907	1	24.00	1	1,907
Sun-12/20/20	1,904	1	24.00	1	1,904
Mon-12/21/20	1,906	1	24.00	1	1,906
Tue-12/22/20	1,909	1	24.00	1	1,909
Wed-12/23/20	1,914	1	24.00	1	1,914
Thu-12/24/20	1,922	1	24.00	1	1,922
Fri-12/25/20	1,928	1	24.00	1	1,928
Sat-12/26/20	1,931	1	24.00	1	1,931
Sun-12/27/20	1,923	1	24.00	1	1,923
Mon-12/28/20	1,925	1	24.00	1	1,925
Tue-12/29/20	1,925	1	24.00	1	1,925
Wed-12/30/20	1,929	1	24.00	1	1,929
Thu-12/31/20	1,929	1	24.00	1	1,929
TOTALS	58,876	1	744.00	1	58,876

TOTAL VOLUME EXTRACTED :	58,876 GALLONS
DAYS IN MONTH :	31 DAYS
MONTHLY AVERAGE FLOW RATE :	1.32 GPM

SOUTHWEST AREA EXTRACTION DATA

Month of: Dec-20

South West Well Extraction							Daily	Daily
Date	TW22			TW28			Flow	Total
	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.	GPM	Gallons
Tue-12/1/20	883	<1	24.00	36,158	25	24.00	26	37,041
Wed-12/2/20	886	<1	24.00	36,125	25	24.00	26	37,011
Thu-12/3/20	1,039	<1	24.00	36,234	25	24.00	26	37,273
Fri-12/4/20	913	<1	24.00	36,358	25	24.00	26	37,271
Sat-12/5/20	890	<1	24.00	36,314	25	24.00	26	37,204
Sun-12/6/20	887	<1	24.00	36,307	25	24.00	26	37,194
Mon-12/7/20	879	<1	24.00	36,308	25	24.00	26	37,187
Tue-12/8/20	869	<1	24.00	36,304	25	24.00	26	37,173
Wed-12/9/20	860	<1	24.00	36,313	25	24.00	26	37,173
Thu-12/10/20	855	<1	24.00	36,269	25	24.00	26	37,124
Fri-12/11/20	851	<1	24.00	36,269	25	24.00	26	37,120
Sat-12/12/20	846	<1	24.00	36,264	25	24.00	26	37,110
Sun-12/13/20	843	<1	24.00	36,200	25	24.00	26	37,043
Mon-12/14/20	847	<1	24.00	36,213	25	24.00	26	37,060
Tue-12/15/20	855	<1	24.00	36,198	25	24.00	26	37,053
Wed-12/16/20	856	<1	24.00	36,221	25	24.00	26	37,077
Thu-12/17/20	847	<1	24.00	36,199	25	24.00	26	37,046
Fri-12/18/20	848	<1	24.00	36,159	25	24.00	26	37,007
Sat-12/19/20	850	<1	24.00	36,173	25	24.00	26	37,023
Sun-12/20/20	840	<1	24.00	36,178	25	24.00	26	37,018
Mon-12/21/20	824	<1	24.00	36,183	25	24.00	26	37,007
Tue-12/22/20	821	<1	24.00	36,125	25	24.00	26	36,946
Wed-12/23/20	826	<1	24.00	36,151	25	24.00	26	36,977
Thu-12/24/20	812	<1	24.00	36,142	25	24.00	26	36,954
Fri-12/25/20	807	<1	24.00	36,130	25	24.00	26	36,937
Sat-12/26/20	807	<1	24.00	36,107	25	24.00	26	36,914
Sun-12/27/20	813	<1	24.00	36,092	25	24.00	26	36,905
Mon-12/28/20	813	<1	24.00	36,067	25	24.00	26	36,880
Tue-12/29/20	827	<1	24.00	36,018	25	24.00	26	36,845
Wed-12/30/20	829	<1	24.00	36,068	25	24.00	26	36,897
Thu-12/31/20	820	<1	24.00	36,030	25	24.00	26	36,850
TOTALS	26,443		744.00	1,121,877	25	744.00	26	1,148,320

TOTAL VOLUME EXTRACTED :	1,148,320 GALLONS
DAYS IN MONTH :	31 DAYS
MONTHLY AVERAGE FLOW RATE :	25.72 GPM

TABLE #6

UNIT "E" EXTRACTION DATA

Month of: Dec-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.		
Tue-12/1/20	-	-	-	-	-	-	219,755	153	24.00	57,621	40	24.00	86,701	60	24.00	253	364,077
Wed-12/2/20	-	-	-	-	-	-	219,804	153	24.00	57,590	40	24.00	86,699	60	24.00	253	364,093
Thu-12/3/20	-	-	-	-	-	-	219,844	153	24.00	56,625	40	23.66	85,748	60	23.76	252	362,217
Fri-12/4/20	-	-	-	-	-	-	219,833	153	24.00	57,368	40	24.00	86,587	60	24.00	253	363,788
Sat-12/5/20	-	-	-	-	-	-	219,763	153	24.00	57,376	40	24.00	86,577	60	24.00	253	363,716
Sun-12/6/20	-	-	-	-	-	-	219,752	153	24.00	57,359	40	24.00	86,542	60	24.00	253	363,653
Mon-12/7/20	-	-	-	-	-	-	219,752	153	24.00	57,595	40	24.00	86,577	60	24.00	253	363,924
Tue-12/8/20	-	-	-	-	-	-	219,751	153	24.00	57,627	40	24.00	86,640	60	24.00	253	364,018
Wed-12/9/20	-	-	-	-	-	-	219,753	153	24.00	57,624	40	24.00	86,602	60	24.00	253	363,979
Thu-12/10/20	-	-	-	-	-	-	219,728	153	24.00	57,607	40	24.00	86,497	60	24.00	253	363,832
Fri-12/11/20	-	-	-	-	-	-	219,722	153	24.00	57,591	40	24.00	86,545	60	24.00	253	363,858
Sat-12/12/20	-	-	-	-	-	-	219,756	153	24.00	57,604	40	24.00	86,614	60	24.00	253	363,974
Sun-12/13/20	-	-	-	-	-	-	219,825	153	24.00	57,545	40	24.00	86,680	60	24.00	253	364,050
Mon-12/14/20	-	-	-	-	-	-	219,859	153	24.00	57,582	40	24.00	86,675	60	24.00	253	364,116
Tue-12/15/20	-	-	-	-	-	-	219,909	153	24.00	56,954	40	23.73	85,676	60	23.73	252	362,539
Wed-12/16/20	-	-	-	-	-	-	219,855	153	24.00	49,991	40	20.83	75,209	60	20.83	240	345,055
Thu-12/17/20	-	-	-	-	-	-	219,900	153	24.00	57,566	40	24.00	86,622	60	24.00	253	364,088
Fri-12/18/20	-	-	-	-	-	-	219,994	153	23.98	57,548	40	24.00	86,624	60	24.00	253	364,166
Sat-12/19/20	-	-	-	-	-	-	220,061	153	24.00	57,598	40	24.00	86,645	60	24.00	253	364,304
Sun-12/20/20	-	-	-	-	-	-	220,057	153	24.00	55,035	40	23.00	82,897	60	23.00	249	357,989
Mon-12/21/20	-	-	-	-	-	-	230,180	160	24.00	57,376	40	24.00	86,630	60	24.00	260	374,186
Tue-12/22/20	-	-	-	-	-	-	234,752	163	24.00	57,352	40	24.00	86,628	60	24.00	263	378,732
Wed-12/23/20	-	-	-	-	-	-	234,781	163	24.00	57,221	40	23.86	86,121	60	23.86	263	378,123
Thu-12/24/20	-	-	-	-	-	-	234,696	163	24.00	57,592	40	24.00	86,649	60	24.00	263	378,937
Fri-12/25/20	-	-	-	-	-	-	234,714	163	24.00	57,648	40	24.00	86,656	60	24.00	263	379,018
Sat-12/26/20	-	-	-	-	-	-	234,696	163	24.00	57,667	40	24.00	86,636	60	24.00	263	378,999
Sun-12/27/20	-	-	-	-	-	-	234,717	163	23.98	57,605	40	23.98	86,651	60	23.98	263	378,973
Mon-12/28/20	-	-	-	-	-	-	234,756	163	24.00	57,627	40	24.00	86,637	60	24.00	263	379,020
Tue-12/29/20	-	-	-	-	-	-	234,724	163	24.00	57,604	40	24.00	86,667	60	24.00	263	378,995
Wed-12/30/20	-	-	-	-	-	-	234,692	163	24.00	57,658	40	24.00	86,654	60	24.00	263	379,004
Thu-12/31/20	-	-	-	-	-	-	234,674	163	24.00	57,608	40	24.00	86,605	60	24.00	263	378,887
TOTALS	-	-	-	-	-	-	6,974,055	156	743.97	1,772,364	40	739.06	2,667,891	60	739.16	256	11,414,310

TOTAL VOLUME EXTRACTED :	11,414,310 GALLONS
DAYS IN MONTH :	31 DAYS
MONTHLY AVERAGE FLOW RATE :	255.70 GPM

12/16/20 - TW-19 and TW-23 were shut down briefly due to communication loss.
 12/20/20 - TW-19 and TW-23 were shut down briefly due to communication loss.

TABLE #7

Little Lake Area System

MW-53i	
Date	1,4-Dioxane ug/L
09/01/20	38
10/01/20	22
11/03/20	31
12/03/20	63

A2 Cleaning Supply Well	
Date	1,4-Dioxane ug/L
09/01/20	57
10/01/20	56
11/03/20	57
12/10/20	59

Date	Gallons Purged
12/8/2020	24,000

TABLE #8

INDIVIDUAL PURGE WELL CONCENTRATIONS

SAMPLE ID	Date Sampled	1,4-DIOXANE (ppb)
DOLPH-12-03-20-09:10-1	12/03/20	160
TW-20-12-03-20-09:20-1	12/03/20	780
LB-4-12-03-20-08:20-1	12/03/20	330
TW-21-12-03-20-09:00-1	12/03/20	190
TW-18-12-03-20-09:05-1	12/03/20	270
TW-19-12-03-20-08:35-1	12/03/20	480
TW-23-12-03-20-08:50-1	12/03/20	360
PW-1-12-03-20-09:15-1	12/03/20	500
TW-22-12-03-20-09:30-1	12/03/20	320
TW-28-12-03-20-09:35-1	12/03/20	610

RED POND DATA

Month of: Dec-20

Date	Time	Notes	Red Pond				
			Pond	Level	Aeration	Influent	Influent
			Visual Chk	Feet	Hours	Hours	GPM
Tue-12/1/20	04:00:00.000		Y	5.3	-	24.00	479
Wed-12/2/20	04:00:00.000		Y	5.2	-	24.00	479
Thu-12/3/20	04:00:00.000		Y	5.2	-	24.00	478
Fri-12/4/20	04:00:00.000		Y	5.1	-	24.00	479
Sat-12/5/20	04:00:00.000	(1)		5.0	-	24.00	479
Sun-12/6/20	04:00:00.000	(1)		4.9	-	24.00	479
Mon-12/7/20	04:00:00.000		Y	4.8	-	24.00	479
Tue-12/8/20	04:00:00.000		Y	5.1	-	24.00	478
Wed-12/9/20	04:00:00.000		Y	5.2	-	24.00	478
Thu-12/10/20	04:00:00.000		Y	5.1	-	24.00	478
Fri-12/11/20	04:00:00.000		Y	5.0	-	24.00	478
Sat-12/12/20	04:00:00.000	(1)		5.0	-	24.00	478
Sun-12/13/20	04:00:00.000	(1)		4.9	-	24.00	477
Mon-12/14/20	04:00:00.000		Y	4.8	-	24.00	477
Tue-12/15/20	04:00:00.000		Y	4.6	-	24.00	475
Wed-12/16/20	04:00:00.000		Y	4.3	-	24.00	463
Thu-12/17/20	04:00:00.000		Y	4.2	-	24.00	476
Fri-12/18/20	04:00:00.000		Y	4.1	-	24.00	476
Sat-12/19/20	04:00:00.000	(1)		3.8	-	24.00	476
Sun-12/20/20	04:00:00.000	(1)		3.6	-	24.00	467
Mon-12/21/20	04:00:00.000		Y	3.6	-	24.00	486
Tue-12/22/20	04:00:00.000		Y	3.8	-	24.00	490
Wed-12/23/20	04:00:00.000		Y	3.7	-	24.00	489
Thu-12/24/20	04:00:00.000		Y	3.8	-	24.00	490
Fri-12/25/20	04:00:00.000		Y	3.9	-	24.00	489
Sat-12/26/20	04:00:00.000	(1)		4.0	-	24.00	489
Sun-12/27/20	04:00:00.000	(1)		4.0	-	24.00	488
Mon-12/28/20	04:00:00.000		Y	4.2	-	24.00	488
Tue-12/29/20	04:00:00.000		Y	4.2	-	24.00	487
Wed-12/30/20	04:00:00.000		Y	4.3	-	24.00	488
Thu-12/31/20	04:00:00.000		Y	4.3	-	24.00	487
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	Date Sampled	1,4-DIOXANE (ppb)
Red Pond-12-07-20-08:05-1	12/7/2020	260
Red Pond-12-14-20-09:00-1	12/14/2020	330
Red Pond-12-21-20-08:30-1	12/21/2020	370
Red Pond-12-28-20-08:05-1	12/28/2020	370

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

OZONE OPERATION REPORT

Month of: Dec-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
Tue-12/1/20	14:00:00.00		241	24.00	0	0.00	240	24.00	0	0.00
Wed-12/2/20	14:00:00.00		241	24.00	0	0.00	239	24.00	0	0.00
Thu-12/3/20	14:00:00.00		240	24.00	0	0.00	240	24.00	0	0.00
Fri-12/4/20	14:00:00.00		242	24.00	0	0.00	241	24.00	0	0.00
Sat-12/5/20	14:00:00.00	(1)	240	24.00	0	0.00	241	24.00	0	0.00
Sun-12/6/20	14:00:00.00	(1)	240	24.00	0	0.00	240	24.00	0	0.00
Mon-12/7/20	14:00:00.00		240	24.00	0	0.00	240	24.00	0	0.00
Tue-12/8/20	14:00:00.00		241	22.67	0	0.00	239	22.82	0	0.00
Wed-12/9/20	14:00:00.00		241	24.00	0	0.00	241	24.00	0	0.00
Thu-12/10/20	14:00:00.00		241	24.00	0	0.00	240	24.00	0	0.00
Fri-12/11/20	14:00:00.00		239	24.00	0	0.00	240	24.00	0	0.00
Sat-12/12/20	14:00:00.00	(1)	241	24.00	0	0.00	239	24.00	0	0.00
Sun-12/13/20	14:00:00.00	(1)	241	24.00	0	0.00	240	24.00	0	0.00
Mon-12/14/20	14:00:00.00		241	24.00	0	0.00	240	24.00	0	0.00
Tue-12/15/20	14:00:00.00		240	24.00	0	0.00	239	24.00	0	0.00
Wed-12/16/20	14:00:00.00		240	24.00	0	0.00	241	24.00	0	0.00
Thu-12/17/20	14:00:00.00		241	24.00	0	0.00	240	24.00	0	0.00
Fri-12/18/20	14:00:00.00		241	24.00	0	0.00	240	24.00	0	0.00
Sat-12/19/20	14:00:00.00	(1)	240	24.00	0	0.00	241	24.00	0	0.00
Sun-12/20/20	14:00:00.00	(1)	241	24.00	0	0.00	240	24.00	0	0.00
Mon-12/21/20	14:00:00.00		240	24.00	0	0.00	240	24.00	0	0.00
Tue-12/22/20	14:00:00.00		240	24.00	0	0.00	239	24.00	0	0.00
Wed-12/23/20	14:00:00.00		241	24.00	0	0.00	240	24.00	0	0.00
Thu-12/24/20	14:00:00.00		240	24.00	0	0.00	239	24.00	0	0.00
Fri-12/25/20	14:00:00.00		240	24.00	0	0.00	239	24.00	0	0.00
Sat-12/26/20	14:00:00.00	(1)	240	24.00	0	0.00	239	24.00	0	0.00
Sun-12/27/20	14:00:00.00	(1)	241	24.00	0	0.00	241	23.98	0	0.00
Mon-12/28/20	14:00:00.00		241	23.87	0	0.00	240	23.93	0	0.00
Tue-12/29/20	14:00:00.00		241	24.00	0	0.00	240	24.00	0	0.00
Wed-12/30/20	14:00:00.00		240	24.00	0	0.00	239	24.00	0	0.00
Thu-12/31/20	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.

12/8/20 - Treatment was shut down briefly for maintenance.

TABLE #12

GREEN POND / DISCHARGE DATA

Month of: **Dec-20**

			Green Pond															
Date	Time	Notes	Pond		Aeration Hours	Influent Hours	Influent GPM	Pond Discharge		Bypass Discharge			Recirc Thru UV to Pond			Recirc Thru UV to Disch		
			Visual Chk	Level Feet				GPM	Gallons	GPM	Gallons	Hours	GPM	Gallons	Hours	GPM	Gallons	Hours
Tue-12/1/20	14:00:00.00		Y	-	-	-	-	-	-	496	714,707	24.00	-	-	-	-	-	-
Wed-12/2/20	14:00:00.00		Y	-	-	-	-	-	-	496	714,588	24.00	-	-	-	-	-	-
Thu-12/3/20	14:00:00.00		Y	-	-	-	-	-	-	496	714,724	24.00	-	-	-	-	-	-
Fri-12/4/20	14:00:00.00		Y	-	-	-	-	-	-	496	714,832	24.00	-	-	-	-	-	-
Sat-12/5/20	14:00:00.00	(1)		-	-	-	-	-	-	496	714,794	24.00	-	-	-	-	-	-
Sun-12/6/20	14:00:00.00	(1)		-	-	-	-	-	-	496	714,866	24.00	-	-	-	-	-	-
Mon-12/7/20	14:00:00.00		Y	-	-	-	-	-	-	496	714,894	24.00	-	-	-	-	-	-
Tue-12/8/20	14:00:00.00		Y	-	-	-	-	-	-	495	673,375	22.65	-	-	-	-	-	-
Wed-12/9/20	14:00:00.00		Y	-	-	-	-	-	-	497	715,789	24.00	-	-	-	-	-	-
Thu-12/10/20	14:00:00.00		Y	-	-	-	-	-	-	497	715,826	24.00	-	-	-	-	-	-
Fri-12/11/20	14:00:00.00		Y	-	-	-	-	-	-	497	715,913	24.00	-	-	-	-	-	-
Sat-12/12/20	14:00:00.00	(1)		-	-	-	-	-	-	497	715,880	24.00	-	-	-	-	-	-
Sun-12/13/20	14:00:00.00	(1)		-	-	-	-	-	-	497	715,772	24.00	-	-	-	-	-	-
Mon-12/14/20	14:00:00.00		Y	-	-	-	-	-	-	497	715,719	24.00	-	-	-	-	-	-
Tue-12/15/20	14:00:00.00		Y	-	-	-	-	-	-	496	714,130	24.00	-	-	-	-	-	-
Wed-12/16/20	14:00:00.00		Y	-	-	-	-	-	-	495	713,147	24.00	-	-	-	-	-	-
Thu-12/17/20	14:00:00.00		Y	-	-	-	-	-	-	497	715,416	24.00	-	-	-	-	-	-
Fri-12/18/20	14:00:00.00		Y	-	-	-	-	-	-	497	715,549	24.00	-	-	-	-	-	-
Sat-12/19/20	14:00:00.00	(1)		-	-	-	-	-	-	497	715,760	24.00	-	-	-	-	-	-
Sun-12/20/20	14:00:00.00	(1)		-	-	-	-	-	-	497	716,008	24.00	-	-	-	-	-	-
Mon-12/21/20	14:00:00.00		Y	-	-	-	-	-	-	497	716,156	24.00	-	-	-	-	-	-
Tue-12/22/20	14:00:00.00		Y	-	-	-	-	-	-	497	716,020	24.00	-	-	-	-	-	-
Wed-12/23/20	14:00:00.00		Y	-	-	-	-	-	-	497	716,052	24.00	-	-	-	-	-	-
Thu-12/24/20	14:00:00.00		Y	-	-	-	-	-	-	497	715,995	24.00	-	-	-	-	-	-
Fri-12/25/20	14:00:00.00		Y	-	-	-	-	-	-	497	715,946	24.00	-	-	-	-	-	-
Sat-12/26/20	14:00:00.00	(1)		-	-	-	-	-	-	497	715,913	24.00	-	-	-	-	-	-
Sun-12/27/20	14:00:00.00	(1)		-	-	-	-	-	-	497	715,940	24.00	-	-	-	-	-	-
Mon-12/28/20	14:00:00.00		Y	-	-	-	-	-	-	497	707,205	23.73	-	-	-	-	-	-
Tue-12/29/20	14:00:00.00		Y	-	-	-	-	-	-	497	715,797	24.00	-	-	-	-	-	-
Wed-12/30/20	14:00:00.00		Y	-	-	-	-	-	-	497	716,031	24.00	-	-	-	-	-	-
Thu-12/31/20	14:00:00.00		Y	-	-	-	-	-	-	497	715,908	24.00	-	-	-	-	-	-
TOTALS											22,128,652	742						

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.

