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March 4, 2020

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

**Re: Monitoring Report # 274  
February 1 – February 29, 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 February 1 through February 29, 2020.

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

Sincerely,

A handwritten signature in black ink, appearing to read "L. Gelb", with a long horizontal stroke extending to the right.

Lawrence J. Gelb  
Sr. Director Global EHS

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



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**TABLE #1**

**UNIT D2 UPGRADE EXTRACTION DATA**

Month of: **Feb-20**

Date	Horizontal Well Extraction			TW-9			TW-5			TW-21			Daily Flow	Daily Total
	HW-S	GPM	Run Hrs.	TW-9	GPM	Run Hrs.	TW-5	GPM	Run Hrs.	TW-21	GPM	Run Hrs.	GPM	Gallons
	Gallons			Gallons			Gallons			Gallons				
Sat-2/1/20	-	-	-	-	-	-	-	-	-	86,406	60	24.00	60	86,406
Sun-2/2/20	-	-	-	-	-	-	-	-	-	86,452	60	24.00	60	86,452
Mon-2/3/20	-	-	-	-	-	-	-	-	-	86,484	60	24.00	60	86,484
Tue-2/4/20	-	-	-	-	-	-	-	-	-	86,407	60	24.00	60	86,407
Wed-2/5/20	-	-	-	-	-	-	-	-	-	86,425	60	24.00	60	86,425
Thu-2/6/20	-	-	-	-	-	-	-	-	-	86,402	60	24.00	60	86,402
Fri-2/7/20	-	-	-	-	-	-	-	-	-	86,428	60	24.00	60	86,428
Sat-2/8/20	-	-	-	-	-	-	-	-	-	86,436	60	24.00	60	86,436
Sun-2/9/20	-	-	-	-	-	-	-	-	-	86,418	60	24.00	60	86,418
Mon-2/10/20	-	-	-	-	-	-	-	-	-	86,443	60	24.00	60	86,443
Tue-2/11/20	-	-	-	-	-	-	-	-	-	26,940	60	7.48	19	26,940
Wed-2/12/20	-	-	-	-	-	-	-	-	-	-	-	-	0	-
Thu-2/13/20	-	-	-	-	-	-	9,562	20	8.02	50,400	60	14.00	42	59,962
Fri-2/14/20	-	-	-	-	-	-	38,144	27	23.90	86,330	60	24.00	86	124,474
Sat-2/15/20	-	-	-	-	-	-	43,337	30	24.00	86,350	60	24.00	90	129,687
Sun-2/16/20	-	-	-	-	-	-	43,352	30	24.00	86,448	60	24.00	90	129,800
Mon-2/17/20	-	-	-	-	-	-	43,402	30	24.00	86,421	60	24.00	90	129,823
Tue-2/18/20	-	-	-	-	-	-	7,506	30	4.23	86,437	60	24.00	65	93,943
Wed-2/19/20	-	-	-	-	-	-	-	-	-	86,409	60	24.00	60	86,409
Thu-2/20/20	-	-	-	-	-	-	-	-	-	86,381	60	24.00	60	86,381
Fri-2/21/20	-	-	-	-	-	-	-	-	-	86,387	60	24.00	60	86,387
Sat-2/22/20	-	-	-	-	-	-	-	-	-	86,458	60	24.00	60	86,458
Sun-2/23/20	-	-	-	-	-	-	-	-	-	86,477	60	24.00	60	86,477
Mon-2/24/20	-	-	-	-	-	-	-	-	-	86,488	60	24.00	60	86,488
Tue-2/25/20	-	-	-	-	-	-	-	-	-	86,440	60	24.00	60	86,440
Wed-2/26/20	-	-	-	-	-	-	-	-	-	86,406	60	24.00	60	86,406
Thu-2/27/20	-	-	-	-	-	-	-	-	-	86,375	60	24.00	60	86,375
Fri-2/28/20	-	-	-	-	-	-	-	-	-	86,396	60	24.00	60	86,396
Sat-2/29/20	-	-	-	-	-	-	-	-	-	86,412	60	24.00	60	86,412
<b>TOTALS</b>	-	-	-	-	-	-	<b>185,303</b>	<b>28</b>	<b>108.15</b>	<b>2,324,256</b>	<b>60</b>	<b>645.48</b>	<b>60</b>	<b>2,509,559</b>

<b>TOTAL VOLUME EXTRACTED :</b>	<b>2,509,559 GALLONS</b>
<b>DAYS IN MONTH :</b>	<b>29 DAYS</b>
<b>MONTHLY AVERAGE FLOW RATE :</b>	<b>60.09 GPM</b>

2/11/20 - 2/13/20 - TW-21 was shut down for rehabilitation.

**UNIT D2 DOWNGRADIENT EXTRACTION DATA**

Month of: Feb-20

Date	LB-1			LB-4			Daily	Daily
	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.	Flow GPM	Total Gallons
Sat-2/1/20	-	-	-	144,159	100	24.00	100	144,159
Sun-2/2/20	-	-	-	144,220	100	24.00	100	144,220
Mon-2/3/20	-	-	-	144,200	100	24.00	100	144,200
Tue-2/4/20	-	-	-	144,217	100	24.00	100	144,217
Wed-2/5/20	-	-	-	144,187	100	24.00	100	144,187
Thu-2/6/20	-	-	-	144,206	100	24.00	100	144,206
Fri-2/7/20	-	-	-	144,226	100	24.00	100	144,226
Sat-2/8/20	-	-	-	144,213	100	24.00	100	144,213
Sun-2/9/20	-	-	-	144,209	100	24.00	100	144,209
Mon-2/10/20	-	-	-	144,197	100	24.00	100	144,197
Tue-2/11/20	-	-	-	144,185	100	24.00	100	144,185
Wed-2/12/20	-	-	-	144,183	100	24.00	100	144,183
Thu-2/13/20	-	-	-	144,210	100	24.00	100	144,210
Fri-2/14/20	-	-	-	144,209	100	24.00	100	144,209
Sat-2/15/20	-	-	-	144,215	100	24.00	100	144,215
Sun-2/16/20	-	-	-	144,203	100	24.00	100	144,203
Mon-2/17/20	-	-	-	144,192	100	24.00	100	144,192
Tue-2/18/20	-	-	-	144,183	100	24.00	100	144,183
Wed-2/19/20	-	-	-	144,187	100	24.00	100	144,187
Thu-2/20/20	-	-	-	142,208	100	23.66	99	142,208
Fri-2/21/20	-	-	-	144,206	100	24.00	100	144,206
Sat-2/22/20	-	-	-	144,211	100	24.00	100	144,211
Sun-2/23/20	-	-	-	144,165	100	24.00	100	144,165
Mon-2/24/20	-	-	-	144,184	100	24.00	100	144,184
Tue-2/25/20	-	-	-	144,189	100	24.00	100	144,189
Wed-2/26/20	-	-	-	144,181	100	24.00	100	144,181
Thu-2/27/20	-	-	-	144,207	100	24.00	100	144,207
Fri-2/28/20	-	-	-	144,174	100	24.00	100	144,174
Sat-2/29/20	-	-	-	144,184	100	24.00	100	144,184
<b>TOTALS</b>	-	-	-	<b>4,179,710</b>	<b>100</b>	<b>695.66</b>	<b>100</b>	<b>4,179,710</b>

<b>TOTAL VOLUME EXTRACTED :</b>	<b>4,179,710 GALLONS</b>
<b>DAYS IN MONTH :</b>	<b>29 DAYS</b>
<b>MONTHLY AVERAGE FLOW RATE :</b>	<b>100.09 GPM</b>

**TABLE #3**

**CORE AREA EXTRACTION DATA**

Month of: Feb-20

Core Area Well Extraction																		Daily Flow GPM	Daily Total Gallons	
Date	TW-1			TW-2 (Dolph)			TW-3			TW-10			TW-14			TW-20				
	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-2/1/20	-	-	-	16,050	11	24.00	-	-	-	-	-	-	-	-	-	35,866	25	24.00	36	51,916
Sun-2/2/20	-	-	-	16,316	11	24.00	-	-	-	-	-	-	-	-	-	35,778	25	24.00	36	52,094
Mon-2/3/20	-	-	-	16,092	11	24.00	-	-	-	-	-	-	-	-	-	36,002	25	24.00	36	52,094
Tue-2/4/20	-	-	-	16,020	11	24.00	-	-	-	-	-	-	-	-	-	35,856	25	24.00	36	51,876
Wed-2/5/20	-	-	-	16,010	11	24.00	-	-	-	-	-	-	-	-	-	35,911	25	24.00	36	51,921
Thu-2/6/20	-	-	-	16,146	11	24.00	-	-	-	-	-	-	-	-	-	36,005	25	24.00	36	52,151
Fri-2/7/20	-	-	-	15,279	11	24.00	-	-	-	-	-	-	-	-	-	35,989	25	24.00	36	51,268
Sat-2/8/20	-	-	-	14,561	10	24.00	-	-	-	-	-	-	-	-	-	35,940	25	24.00	35	50,501
Sun-2/9/20	-	-	-	14,340	10	24.00	-	-	-	-	-	-	-	-	-	35,826	25	24.00	35	50,166
Mon-2/10/20	-	-	-	14,397	10	24.00	-	-	-	-	-	-	-	-	-	35,902	25	24.00	35	50,299
Tue-2/11/20	-	-	-	14,432	10	24.00	-	-	-	-	-	-	-	-	-	35,896	25	24.00	35	50,328
Wed-2/12/20	-	-	-	14,648	10	24.00	-	-	-	-	-	-	-	-	-	36,040	25	24.00	35	50,688
Thu-2/13/20	-	-	-	14,786	10	24.00	-	-	-	-	-	-	-	-	-	35,876	25	24.00	35	50,662
Fri-2/14/20	-	-	-	14,734	10	24.00	-	-	-	-	-	-	-	-	-	35,833	25	24.00	35	50,567
Sat-2/15/20	-	-	-	15,458	11	24.00	-	-	-	-	-	-	-	-	-	35,984	25	24.00	36	51,442
Sun-2/16/20	-	-	-	16,258	11	24.00	-	-	-	-	-	-	-	-	-	36,147	25	24.00	36	52,405
Mon-2/17/20	-	-	-	16,409	11	24.00	-	-	-	-	-	-	-	-	-	35,857	25	24.00	36	52,266
Tue-2/18/20	-	-	-	16,786	12	24.00	-	-	-	-	-	-	-	-	-	35,969	25	24.00	37	52,755
Wed-2/19/20	-	-	-	16,763	12	24.00	-	-	-	-	-	-	-	-	-	35,875	25	24.00	37	52,638
Thu-2/20/20	-	-	-	16,986	12	24.00	-	-	-	-	-	-	-	-	-	35,861	25	24.00	37	52,847
Fri-2/21/20	-	-	-	17,362	12	24.00	-	-	-	-	-	-	-	-	-	35,900	25	24.00	37	53,262
Sat-2/22/20	-	-	-	17,724	12	24.00	-	-	-	-	-	-	-	-	-	35,880	25	24.00	37	53,604
Sun-2/23/20	-	-	-	18,061	13	24.00	-	-	-	-	-	-	-	-	-	36,100	25	24.00	38	54,161
Mon-2/24/20	-	-	-	18,083	13	24.00	-	-	-	-	-	-	-	-	-	35,878	25	24.00	37	53,961
Tue-2/25/20	-	-	-	18,272	13	24.00	-	-	-	-	-	-	-	-	-	36,168	25	24.00	38	54,440
Wed-2/26/20	-	-	-	18,209	13	24.00	-	-	-	-	-	-	-	-	-	36,014	25	24.00	38	54,223
Thu-2/27/20	-	-	-	18,523	13	24.00	-	-	-	-	-	-	-	-	-	36,132	25	24.00	38	54,655
Fri-2/28/20	-	-	-	18,927	13	24.00	-	-	-	-	-	-	-	-	-	36,164	25	24.00	38	55,091
Sat-2/29/20	-	-	-	19,028	13	24.00	-	-	-	-	-	-	-	-	-	36,015	25	24.00	38	55,043
<b>TOTALS</b>	-	-	-	<b>476,660</b>	<b>11</b>	<b>696.00</b>	-	-	-	-	-	-	-	-	-	<b>1,042,664</b>	<b>25</b>	<b>696.00</b>	<b>36</b>	<b>1,519,324</b>

TOTAL VOLUME EXTRACTED :	1,519,324 GALLONS
DAYS IN MONTH :	29 DAYS
MONTHLY AVERAGE FLOW RATE :	36.38 GPM

**MARSHY AREA EXTRACTION DATA**

**Month of: Feb-20**

<b>Marshy Well Extraction</b>				<b>Daily Flow</b>	<b>Daily Total</b>
<b>Date</b>	<b>PW-1 Gallons</b>	<b>GPM</b>	<b>Run Hrs.</b>	<b>GPM</b>	<b>Gallons</b>
Sat-2/1/20	1,952	1	24.00	1	1,952
Sun-2/2/20	1,947	1	24.00	1	1,947
Mon-2/3/20	1,940	1	24.00	1	1,940
Tue-2/4/20	1,948	1	24.00	1	1,948
Wed-2/5/20	2,003	1	24.00	1	2,003
Thu-2/6/20	2,095	1	24.00	1	2,095
Fri-2/7/20	2,100	1	24.00	1	2,100
Sat-2/8/20	2,088	1	24.00	1	2,088
Sun-2/9/20	2,087	1	24.00	1	2,087
Mon-2/10/20	2,085	1	24.00	1	2,085
Tue-2/11/20	2,080	1	24.00	1	2,080
Wed-2/12/20	2,080	1	24.00	1	2,080
Thu-2/13/20	2,076	1	24.00	1	2,076
Fri-2/14/20	2,086	1	24.00	1	2,086
Sat-2/15/20	2,095	1	24.00	1	2,095
Sun-2/16/20	2,079	1	24.00	1	2,079
Mon-2/17/20	2,076	1	24.00	1	2,076
Tue-2/18/20	2,081	1	24.00	1	2,081
Wed-2/19/20	2,094	1	24.00	1	2,094
Thu-2/20/20	2,122	1	24.00	1	2,122
Fri-2/21/20	2,120	1	24.00	1	2,120
Sat-2/22/20	2,116	1	24.00	1	2,116
Sun-2/23/20	2,110	1	24.00	1	2,110
Mon-2/24/20	2,157	1	24.00	1	2,157
Tue-2/25/20	2,218	2	24.00	2	2,218
Wed-2/26/20	2,231	2	24.00	2	2,231
Thu-2/27/20	2,242	2	24.00	2	2,242
Fri-2/28/20	2,239	2	24.00	2	2,239
Sat-2/29/20	2,239	2	24.00	2	2,239
<b>TOTALS</b>	<b>60,786</b>	<b>1</b>	<b>696.00</b>	<b>1</b>	<b>60,786</b>

<b>TOTAL VOLUME EXTRACTED :</b>	<b>60,786 GALLONS</b>
<b>DAYS IN MONTH :</b>	<b>29 DAYS</b>
<b>MONTHLY AVERAGE FLOW RATE :</b>	<b>1.46 GPM</b>

**SOUTHWEST AREA EXTRACTION DATA**

**Month of: Feb-20**

South West Well Extraction							Daily	Daily
Date	TW22			TW28			Flow	Total
	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.	GPM	Gallons
Sat-2/1/20	3,098	2	24.00	36,242	25	24.00	27	39,340
Sun-2/2/20	3,144	2	24.00	36,146	25	24.00	27	39,290
Mon-2/3/20	3,149	2	24.00	36,307	25	24.00	27	39,456
Tue-2/4/20	3,139	2	24.00	36,392	25	24.00	27	39,531
Wed-2/5/20	2,916	2	24.00	36,129	25	24.00	27	39,045
Thu-2/6/20	2,717	2	24.00	35,953	25	24.00	27	38,670
Fri-2/7/20	2,706	2	24.00	35,937	25	24.00	27	38,643
Sat-2/8/20	2,695	2	24.00	35,884	25	24.00	27	38,579
Sun-2/9/20	2,686	2	24.00	35,902	25	24.00	27	38,588
Mon-2/10/20	2,682	2	24.00	35,962	25	24.00	27	38,644
Tue-2/11/20	2,681	2	24.00	35,911	25	24.00	27	38,592
Wed-2/12/20	2,676	2	24.00	35,929	25	24.00	27	38,605
Thu-2/13/20	2,679	2	24.00	35,967	25	24.00	27	38,646
Fri-2/14/20	2,663	2	24.00	35,960	25	24.00	27	38,623
Sat-2/15/20	2,662	2	24.00	35,982	25	24.00	27	38,644
Sun-2/16/20	2,658	2	24.00	35,986	25	24.00	27	38,644
Mon-2/17/20	2,656	2	24.00	36,011	25	24.00	27	38,667
Tue-2/18/20	2,659	2	24.00	36,028	25	24.00	27	38,687
Wed-2/19/20	2,653	2	24.00	35,990	25	24.00	27	38,643
Thu-2/20/20	2,651	2	24.00	36,068	25	24.00	27	38,719
Fri-2/21/20	2,646	2	24.00	36,059	25	24.00	27	38,705
Sat-2/22/20	2,651	2	24.00	36,094	25	24.00	27	38,745
Sun-2/23/20	2,651	2	24.00	36,125	25	24.00	27	38,776
Mon-2/24/20	2,648	2	24.00	36,136	25	24.00	27	38,784
Tue-2/25/20	2,641	2	24.00	36,119	25	24.00	27	38,760
Wed-2/26/20	2,640	2	24.00	36,082	25	24.00	27	38,722
Thu-2/27/20	2,636	2	24.00	36,075	25	24.00	27	38,711
Fri-2/28/20	2,635	2	24.00	36,030	25	24.00	27	38,665
Sat-2/29/20	2,631	2	24.00	35,979	25	24.00	27	38,610
	-	-	-	-	-	-	-	-
<b>TOTALS</b>	<b>79,349</b>	<b>2</b>	<b>696.00</b>	<b>1,045,385</b>	<b>25</b>	<b>696.00</b>	<b>27</b>	<b>1,124,734</b>

<b>TOTAL VOLUME EXTRACTED :</b>	<b>1,124,734 GALLONS</b>
<b>DAYS IN MONTH :</b>	<b>29 DAYS</b>
<b>MONTHLY AVERAGE FLOW RATE :</b>	<b>26.93 GPM</b>

**TABLE #6**

**UNIT "E" EXTRACTION DATA**

Month of: Feb-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.		
Sat-2/1/20	42,396	29	24.00	86,722	60	24.00	218,277	152	24.00	-	-	-	-	-	-	241	347,395
Sun-2/2/20	42,461	29	24.00	86,714	60	24.00	218,348	152	24.00	-	-	-	-	-	-	241	347,523
Mon-2/3/20	42,401	29	24.00	86,692	60	24.00	218,382	152	24.00	-	-	-	-	-	-	241	347,475
Tue-2/4/20	42,426	29	24.00	86,681	60	24.00	218,370	152	24.00	-	-	-	-	-	-	241	347,477
Wed-2/5/20	21,814	29	12.43	64,842	45	24.00	218,371	152	24.00	-	-	-	79,809	85	15.58	267	384,836
Thu-2/6/20	-	-	-	50,603	35	24.00	218,368	152	23.98	-	-	-	122,717	85	24.00	272	391,688
Fri-2/7/20	-	-	-	18,589	35	8.82	218,397	152	24.00	-	-	-	122,618	85	24.00	250	359,604
Sat-2/8/20	-	-	-	-	-	-	218,362	152	24.00	-	-	-	122,697	85	24.00	237	341,059
Sun-2/9/20	-	-	-	-	-	-	218,384	152	24.00	-	-	-	122,545	85	23.96	237	340,929
Mon-2/10/20	-	-	-	-	-	-	218,406	152	24.00	25,364	40	10.58	106,901	74	24.00	244	350,671
Tue-2/11/20	30,940	30	17.47	34,706	35	16.45	218,407	152	24.00	57,543	40	24.00	86,635	60	24.00	297	428,231
Wed-2/12/20	42,395	29	24.00	50,332	35	23.87	218,394	152	24.00	57,669	40	24.00	86,697	60	24.00	316	455,487
Thu-2/13/20	30,948	23	22.19	36,172	35	17.12	218,417	152	24.00	57,677	40	24.00	83,528	60	23.10	296	426,742
Fri-2/14/20	7,659	15	8.59	-	-	-	218,374	152	24.00	57,692	40	24.00	86,663	60	24.00	257	370,388
Sat-2/15/20	-	-	-	-	-	-	218,404	152	24.00	57,673	40	24.00	86,647	60	24.00	252	362,724
Sun-2/16/20	-	-	-	-	-	-	218,415	152	24.00	57,670	40	24.00	86,618	60	24.00	252	362,703
Mon-2/17/20	-	-	-	-	-	-	218,425	152	24.00	57,591	40	24.00	86,711	60	24.00	252	362,727
Tue-2/18/20	-	-	-	-	-	-	218,442	152	24.00	57,622	40	24.00	86,666	60	24.00	252	362,730
Wed-2/19/20	-	-	-	-	-	-	218,416	152	24.00	56,894	40	23.70	86,727	60	24.00	251	362,037
Thu-2/20/20	-	-	-	-	-	-	218,402	152	23.98	57,647	40	24.00	86,774	60	24.00	252	362,823
Fri-2/21/20	-	-	-	-	-	-	218,469	152	24.00	57,656	40	24.00	86,760	60	24.00	252	362,885
Sat-2/22/20	-	-	-	-	-	-	218,486	152	24.00	57,706	40	24.00	86,720	60	24.00	252	362,912
Sun-2/23/20	-	-	-	-	-	-	218,566	152	24.00	57,420	40	24.00	86,699	60	24.00	252	362,685
Mon-2/24/20	-	-	-	-	-	-	218,565	152	24.00	57,524	40	24.00	86,647	60	24.00	252	362,736
Tue-2/25/20	-	-	-	-	-	-	218,514	152	24.00	57,590	40	24.00	86,623	60	24.00	252	362,727
Wed-2/26/20	-	-	-	-	-	-	218,504	152	24.00	57,565	40	24.00	86,706	60	24.00	252	362,775
Thu-2/27/20	-	-	-	-	-	-	218,492	152	24.00	57,584	40	24.00	86,743	60	24.00	252	362,819
Fri-2/28/20	-	-	-	-	-	-	218,496	152	24.00	57,557	40	24.00	86,723	60	24.00	252	362,776
Sat-2/29/20	-	-	-	-	-	-	218,473	152	24.00	57,561	40	24.00	86,694	60	24.00	252	362,728
<b>TOTALS</b>	<b>303,440</b>	<b>27</b>	<b>180.68</b>	<b>602,053</b>	<b>46</b>	<b>210.25</b>	<b>6,334,326</b>	<b>152</b>	<b>695.97</b>	<b>1,119,205</b>	<b>40</b>	<b>466.28</b>	<b>2,321,268</b>	<b>66</b>	<b>590.64</b>	<b>256</b>	<b>10,680,292</b>

<b>TOTAL VOLUME EXTRACTED :</b>	<b>10,680,292 GALLONS</b>
<b>DAYS IN MONTH :</b>	<b>29 DAYS</b>
<b>MONTHLY AVERAGE FLOW RATE :</b>	<b>255.75 GPM</b>

2/1/20 - 2/5/20 - TW-23 was shut down for rehabilitation.  
 2/1/20 - 2/10/20 - TW-19 was shut down for rehabilitation.



**Little Lake Area System**

MW-53i	
Date	1,4-Dioxane ug/L
11/01/19	43
12/10/19	32
01/06/20	35
02/06/20	37

A2 Cleaning Supply Well	
Date	1,4-Dioxane ug/L
11/01/19	82
12/05/19	59
01/06/20	66
02/25/20	73

**TABLE #8**

**INDIVIDUAL PURGE WELL CONCENTRATIONS**

<b>SAMPLE ID</b>	<b>Date Sampled</b>	<b>1,4-DIOXANE (ppb)</b>
DOLPH-02-05-20-10:42-1	02/05/20	130
TW-20-02-05-20-10:47-1	02/05/20	860
LB-4-02-05-20-10:22-1	02/05/20	450
TW-21-02-05-20-10:30-1	02/05/20	260
TW-21-02-13-20-14:00-1	02/13/20	360
TW-5-02-14-20-11:25-1	02/14/20	800
TW-11-02-05-20-10:52-1	02/05/20	210
TW-11-02-11-20-09:45-1	02/11/20	180
TW-17-02-05-20-10:58-1	02/05/20	74
TW-17-02-11-20-09:50-1	02/11/20	96
TW-18-02-05-20-10:35-1	02/05/20	250
TW-19-02-11-20-09:30-1	02/11/20	640
TW-23-02-05-20-10:25-1	02/05/20	280
TW-23-02-19-20-10:50-1	02/19/20	430
PW-1-02-05-20-10:40-1	02/05/20	1100
TW-22-02-05-20-11:05-1	02/05/20	420
TW-28-02-05-20-11:10-1	02/05/20	710

**RED POND DATA**

Month of: **Feb-20**

Date	Time	Notes	Red Pond				
			Pond	Level	Aeration	Influent	Influent
			Visual Chk	Feet	Hours	Hours	GPM
Sat-2/1/20	02:00:00.000	(1)		3.8	-	24.00	437
Sun-2/2/20	02:00:00.000	(1)		3.8	-	24.00	437
Mon-2/3/20	02:00:00.000		Y	3.8	-	24.00	437
Tue-2/4/20	02:00:00.000		Y	3.8	-	24.00	437
Wed-2/5/20	02:00:00.000		Y	3.9	-	24.00	477
Thu-2/6/20	02:00:00.000		Y	4.1	-	24.00	497
Fri-2/7/20	02:00:00.000		Y	4.0	-	24.00	474
Sat-2/8/20	02:00:00.000	(1)		3.6	-	24.00	460
Sun-2/9/20	02:00:00.000	(1)		3.2	-	24.00	460
Mon-2/10/20	02:00:00.000		Y	3.1	-	24.00	467
Tue-2/11/20	02:00:00.000		Y	3.1	-	24.00	458
Wed-2/12/20	02:00:00.000		Y	3.1	-	24.00	450
Thu-2/13/20	02:00:00.000		Y	3.5	-	24.00	480
Fri-2/14/20	02:00:00.000		Y	3.9	-	24.00	502
Sat-2/15/20	02:00:00.000	(1)		4.1	-	24.00	506
Sun-2/16/20	02:00:00.000	(1)		4.4	-	24.00	507
Mon-2/17/20	02:00:00.000		Y	4.7	-	24.00	507
Tue-2/18/20	02:00:00.000		Y	4.7	-	24.00	482
Wed-2/19/20	02:00:00.000		Y	4.6	-	24.00	476
Thu-2/20/20	02:00:00.000		Y	4.8	-	24.00	476
Fri-2/21/20	02:00:00.000		Y	4.7	-	24.00	477
Sat-2/22/20	02:00:00.000	(1)		4.5	-	24.00	478
Sun-2/23/20	02:00:00.000	(1)		4.4	-	24.00	478
Mon-2/24/20	02:00:00.000		Y	4.5	-	24.00	478
Tue-2/25/20	02:00:00.000		Y	4.4	-	24.00	478
Wed-2/26/20	02:00:00.000		Y	4.4	-	24.00	478
Thu-2/27/20	02:00:00.000		Y	4.3	-	24.00	478
Fri-2/28/20	02:00:00.000		Y	4.2	-	24.00	479
Sat-2/29/20	02:00:00.000	(1)		4.1	-	24.00	479
			-	-	-	-	-
			-	-	-	-	-
<b>TOTALS</b>			-	-	-	<b>696</b>	

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

<b>SAMPLE ID</b>	<b>Date Sampled</b>	<b>1,4-DIOXANE (ppb)</b>
Red Pond-02-03-20-08:15-1	2/3/2020	310
Red Pond-02-10-20-08:35-1	2/10/2020	360
Red Pond-02-17-20-08:15-1	2/17/2020	410
Red Pond-02-24-20-08:05-1	2/24/2020	380

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

OZONE OPERATION REPORT

Month of: Feb-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
Sat-2/1/20	12:00:00.00	(1)	240	24.00	0	0.00	240	24.00	0	0.00
Sun-2/2/20	12:00:00.00	(1)	240	24.00	0	0.00	240	24.00	0	0.00
Mon-2/3/20	12:00:00.00		239	24.00	0	0.00	240	24.00	0	0.00
Tue-2/4/20	12:00:00.00		239	24.00	0	0.00	240	24.00	0	0.00
Wed-2/5/20	12:00:00.00		240	24.00	0	0.00	239	24.00	0	0.00
Thu-2/6/20	12:00:00.00		240	23.87	0	0.00	240	23.87	0	0.00
Fri-2/7/20	12:00:00.00		240	24.00	0	0.00	240	24.00	0	0.00
Sat-2/8/20	12:00:00.00	(1)	240	24.00	0	0.00	240	24.00	0	0.00
Sun-2/9/20	12:00:00.00	(1)	240	24.00	0	0.00	240	24.00	0	0.00
Mon-2/10/20	12:00:00.00		240	24.00	0	0.00	240	24.00	0	0.00
Tue-2/11/20	12:00:00.00		240	24.00	0	0.00	240	24.00	0	0.00
Wed-2/12/20	12:00:00.00		240	24.00	0	0.00	240	24.00	0	0.00
Thu-2/13/20	12:00:00.00		239	24.00	0	0.00	240	24.00	0	0.00
Fri-2/14/20	12:00:00.00		239	24.00	0	0.00	241	24.00	0	0.00
Sat-2/15/20	12:00:00.00	(1)	240	24.00	0	0.00	240	24.00	0	0.00
Sun-2/16/20	12:00:00.00	(1)	240	24.00	0	0.00	241	24.00	0	0.00
Mon-2/17/20	12:00:00.00		239	24.00	0	0.00	240	24.00	0	0.00
Tue-2/18/20	12:00:00.00		239	24.00	0	0.00	240	24.00	0	0.00
Wed-2/19/20	12:00:00.00		240	24.00	0	0.00	240	24.00	0	0.00
Thu-2/20/20	12:00:00.00		240	22.80	0	0.00	240	22.88	0	0.00
Fri-2/21/20	12:00:00.00		240	24.00	0	0.00	240	24.00	0	0.00
Sat-2/22/20	12:00:00.00	(1)	240	24.00	0	0.00	240	24.00	0	0.00
Sun-2/23/20	12:00:00.00	(1)	240	24.00	0	0.00	240	24.00	0	0.00
Mon-2/24/20	12:00:00.00		239	23.48	0	0.00	240	23.70	0	0.00
Tue-2/25/20	12:00:00.00		239	24.00	0	0.00	240	24.00	0	0.00
Wed-2/26/20	12:00:00.00		239	24.00	0	0.00	240	24.00	0	0.00
Thu-2/27/20	12:00:00.00		240	24.00	0	0.00	240	24.00	0	0.00
Fri-2/28/20	12:00:00.00		239	24.00	0	0.00	240	24.00	0	0.00
Sat-2/29/20	12:00:00.00	(1)	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.

2/20/20 - Treatment was shut down briefly for maintenance.

**TABLE #12**

**GREEN POND / DISCHARGE DATA**

Month of: **Feb-20**

			<b>Green Pond</b>															
Date	Time	Notes	<b>Pond</b>				<b>Pond Discharge</b>			<b>Bypass Discharge</b>			<b>Recirc Thru UV to Pond</b>			<b>Recirc Thru UV to Disch</b>		
			Visual Chk	Level Feet	Aeration Hours	Influent Hours	Influent GPM	GPM	Gallons	GPM	Gallons	Hours	GPM	Gallons	Hours	GPM	Gallons	Hours
Sat-2/1/20	12:00:00.001	(1)		-	-				497	715,339	24.00	-	-	-	-	-	-	
Sun-2/2/20	12:00:00.001	(1)		-	-				497	715,533	24.00	-	-	-	-	-	-	
Mon-2/3/20	12:00:00.001		Y	-	-				497	715,526	24.00	-	-	-	-	-	-	
Tue-2/4/20	12:00:00.001		Y	-	-				497	715,326	24.00	-	-	-	-	-	-	
Wed-2/5/20	12:00:00.001		Y	-	-				497	714,966	24.00	-	-	-	-	-	-	
Thu-2/6/20	12:00:00.001		Y	-	-				492	708,664	24.00	-	-	-	-	-	-	
Fri-2/7/20	12:00:00.001		Y	-	-				497	715,198	24.00	-	-	-	-	-	-	
Sat-2/8/20	12:00:00.001	(1)		-	-				497	715,208	24.00	-	-	-	-	-	-	
Sun-2/9/20	12:00:00.001	(1)		-	-				497	715,171	24.00	-	-	-	-	-	-	
Mon-2/10/20	12:00:00.001		Y	-	-				497	715,331	24.00	-	-	-	-	-	-	
Tue-2/11/20	12:00:00.001		Y	-	-				497	715,421	24.00	-	-	-	-	-	-	
Wed-2/12/20	12:00:00.001		Y	-	-				497	715,386	24.00	-	-	-	-	-	-	
Thu-2/13/20	12:00:00.001		Y	-	-				497	715,521	24.00	-	-	-	-	-	-	
Fri-2/14/20	12:00:00.001		Y	-	-				497	715,014	24.00	-	-	-	-	-	-	
Sat-2/15/20	12:00:00.001	(1)		-	-				497	715,114	24.00	-	-	-	-	-	-	
Sun-2/16/20	12:00:00.001	(1)		-	-				497	715,489	24.00	-	-	-	-	-	-	
Mon-2/17/20	12:00:00.001		Y	-	-				497	715,402	24.00	-	-	-	-	-	-	
Tue-2/18/20	12:00:00.001		Y	-	-				497	715,405	24.00	-	-	-	-	-	-	
Wed-2/19/20	12:00:00.001		Y	-	-				497	715,192	24.00	-	-	-	-	-	-	
Thu-2/20/20	12:00:00.001		Y	-	-				495	673,587	22.70	-	-	-	-	-	-	
Fri-2/21/20	12:00:00.001		Y	-	-				497	715,387	24.00	-	-	-	-	-	-	
Sat-2/22/20	12:00:00.001	(1)		-	-				497	715,545	24.00	-	-	-	-	-	-	
Sun-2/23/20	12:00:00.001	(1)		-	-				497	715,830	24.00	-	-	-	-	-	-	
Mon-2/24/20	12:00:00.001		Y	-	-				494	700,678	23.63	-	-	-	-	-	-	
Tue-2/25/20	12:00:00.001		Y	-	-				497	715,905	24.00	-	-	-	-	-	-	
Wed-2/26/20	12:00:00.001		Y	-	-				497	715,554	24.00	-	-	-	-	-	-	
Thu-2/27/20	12:00:00.001		Y	-	-				497	715,498	24.00	-	-	-	-	-	-	
Fri-2/28/20	12:00:00.001		Y	-	-				497	715,666	24.00	-	-	-	-	-	-	
Sat-2/29/20	12:00:00.001	(1)		-	-				497	715,695	24.00	-	-	-	-	-	-	
<b>TOTALS</b>				-	-				-	<b>20,683,551</b>	<b>694</b>	-	-	-	-	-	-	

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**

PARAMETER NAME	(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)	
	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
2/1/2020	0.715	*G	*G										
2/2/2020	0.716			3.8								7.3	
2/3/2020	0.716			3.8	0.310	<50	<0.16	yes	yes	6.9	6.9	7.5	21
2/4/2020	0.715			4.3		<50	<0.16	no	no	6.9	6.9	7.1	
2/5/2020	0.715			4.4		<50	<0.16	no	yes	6.7	6.7	7.1	29
2/6/2020	0.709			7.3		<50	<0.16	no	no	6.9	6.9	6.2	
2/7/2020	0.715					<50	<0.16	no	no	6.6	6.6		
2/8/2020	0.715												
2/9/2020	0.715			5.2								6	
2/10/2020	0.715			5.1	0.360	<50	<0.16	yes	yes	6.7	6.7	7.2	25
2/11/2020	0.715			5.5		<50	<0.16	no	no	6.7	6.7	5.9	
2/12/2020	0.715			5.5		<50	<0.16	no	yes	6.8	6.8	6.1	33
2/13/2020	0.716			5.3		<50	<0.16	no	no	6.5	6.5	6.3	
2/14/2020	0.715					<50	<0.16	no	no	7.1	7.1		
2/15/2020	0.715												
2/16/2020	0.715			6.4								6.4	
2/17/2020	0.715			6.4	0.410	<50	<0.16	yes	yes	6.7	6.7	5.1	28
2/18/2020	0.715			5.8		<50	<0.16	no	no	7.3	7.3	5.4	
2/19/2020	0.715			6.0		<50	<0.16	no	yes	7.4	7.4	5.9	25
2/20/2020	0.674			5.8		<50	<0.16	no	no	7.5	7.5	6	
2/21/2020	0.715					<50	<0.16	no	no	7.4	7.4		
2/22/2020	0.716												
2/23/2020	0.716			5.8								5.5	
2/24/2020	0.701			5.5	0.380	<50	<0.16	yes	yes	7.5	7.5	6	24
2/25/2020	0.716			6.1		<50	<0.16	no	no	7.5	7.5	6.2	
2/26/2020	0.716			5.8		<50	<0.16	no	yes	7.4	7.4	6.4	26
2/27/2020	0.715			5.7		<50	<0.16	no	no	7.1	7.1	6.3	
2/28/2020	0.716					<50	<0.16	no	no	7.1	7.1		
2/29/2020	0.716												
<b>Discharged (mg)</b>	<b>20.684</b>												
<b>Monthly Avg</b>				<b>5.5</b>								<b>6.3</b>	