



February 17, 2021

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

**Re: Monitoring Report # 285  
January 1 – January 31, 2021**

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 January 1 through January 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 positioned above the printed name and title.

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: Jan-21

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				
Fri-1/1/21	-	-	-	-	-	-	-	-	-	79,135	55	24.00	55	79,135
Sat-1/2/21	-	-	-	-	-	-	-	-	-	79,183	55	24.00	55	79,183
Sun-1/3/21	-	-	-	-	-	-	-	-	-	79,169	55	24.00	55	79,169
Mon-1/4/21	-	-	-	-	-	-	-	-	-	79,164	55	24.00	55	79,164
Tue-1/5/21	-	-	-	-	-	-	-	-	-	78,948	55	24.00	55	78,948
Wed-1/6/21	-	-	-	-	-	-	-	-	-	79,216	55	24.00	55	79,216
Thu-1/7/21	-	-	-	-	-	-	-	-	-	79,207	55	24.00	55	79,207
Fri-1/8/21	-	-	-	-	-	-	-	-	-	79,182	55	24.00	55	79,182
Sat-1/9/21	-	-	-	-	-	-	-	-	-	79,170	55	24.00	55	79,170
Sun-1/10/21	-	-	-	-	-	-	-	-	-	79,146	55	24.00	55	79,146
Mon-1/11/21	-	-	-	-	-	-	-	-	-	79,157	55	24.00	55	79,157
Tue-1/12/21	-	-	-	-	-	-	-	-	-	79,155	55	24.00	55	79,155
Wed-1/13/21	-	-	-	-	-	-	-	-	-	79,186	55	24.00	55	79,186
Thu-1/14/21	-	-	-	-	-	-	-	-	-	79,228	55	24.00	55	79,228
Fri-1/15/21	-	-	-	-	-	-	-	-	-	79,195	55	24.00	55	79,195
Sat-1/16/21	-	-	-	-	-	-	-	-	-	79,164	55	24.00	55	79,164
Sun-1/17/21	-	-	-	-	-	-	-	-	-	79,166	55	24.00	55	79,166
Mon-1/18/21	-	-	-	-	-	-	-	-	-	79,163	55	24.00	55	79,163
Tue-1/19/21	-	-	-	-	-	-	-	-	-	79,173	55	24.00	55	79,173
Wed-1/20/21	-	-	-	-	-	-	-	-	-	79,146	55	24.00	55	79,146
Thu-1/21/21	-	-	-	-	-	-	-	-	-	84,070	58	24.00	58	84,070
Fri-1/22/21	-	-	-	-	-	-	-	-	-	86,382	60	24.00	60	86,382
Sat-1/23/21	-	-	-	-	-	-	-	-	-	86,357	60	24.00	60	86,357
Sun-1/24/21	-	-	-	-	-	-	-	-	-	86,351	60	24.00	60	86,351
Mon-1/25/21	-	-	-	-	-	-	-	-	-	86,364	60	24.00	60	86,364
Tue-1/26/21	-	-	-	-	-	-	-	-	-	86,393	60	24.00	60	86,393
Wed-1/27/21	-	-	-	-	-	-	-	-	-	86,354	60	24.00	60	86,354
Thu-1/28/21	-	-	-	-	-	-	-	-	-	86,342	60	24.00	60	86,342
Fri-1/29/21	-	-	-	-	-	-	-	-	-	86,330	60	24.00	60	86,330
Sat-1/30/21	-	-	-	-	-	-	-	-	-	86,345	60	24.00	60	86,345
Sun-1/31/21	-	-	-	-	-	-	-	-	-	86,374	60	24.00	60	86,374
<b>TOTALS</b>	-	-	-	-	-	-	-	-	-	<b>2,530,915</b>	<b>57</b>	<b>744.00</b>	<b>57</b>	<b>2,530,915</b>

TOTAL VOLUME EXTRACTED :	2,530,915 GALLONS
DAYS IN MONTH :	31 DAYS
MONTHLY AVERAGE FLOW RATE :	56.70 GPM

**UNIT D2 DOWNGRADIENT EXTRACTION DATA**

**Month of: Jan-21**

Date	LB-1			LB-4			Daily	Daily
	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.	Flow GPM	Total Gallons
Fri-1/1/21	-	-	-	144,214	100	24.00	100	144,214
Sat-1/2/21	-	-	-	144,198	100	24.00	100	144,198
Sun-1/3/21	-	-	-	144,173	100	24.00	100	144,173
Mon-1/4/21	-	-	-	144,213	100	24.00	100	144,213
Tue-1/5/21	-	-	-	144,226	100	24.00	100	144,226
Wed-1/6/21	-	-	-	144,202	100	24.00	100	144,202
Thu-1/7/21	-	-	-	144,241	100	24.00	100	144,241
Fri-1/8/21	-	-	-	144,213	100	24.00	100	144,213
Sat-1/9/21	-	-	-	144,213	100	24.00	100	144,213
Sun-1/10/21	-	-	-	144,171	100	24.00	100	144,171
Mon-1/11/21	-	-	-	144,242	100	24.00	100	144,242
Tue-1/12/21	-	-	-	144,223	100	24.00	100	144,223
Wed-1/13/21	-	-	-	144,167	100	24.00	100	144,167
Thu-1/14/21	-	-	-	144,157	100	24.00	100	144,157
Fri-1/15/21	-	-	-	144,174	100	24.00	100	144,174
Sat-1/16/21	-	-	-	144,195	100	24.00	100	144,195
Sun-1/17/21	-	-	-	144,188	100	24.00	100	144,188
Mon-1/18/21	-	-	-	144,220	100	24.00	100	144,220
Tue-1/19/21	-	-	-	144,193	100	24.00	100	144,193
Wed-1/20/21	-	-	-	144,235	100	24.00	100	144,235
Thu-1/21/21	-	-	-	144,186	100	24.00	100	144,186
Fri-1/22/21	-	-	-	144,205	100	24.00	100	144,205
Sat-1/23/21	-	-	-	144,209	100	24.00	100	144,209
Sun-1/24/21	-	-	-	144,204	100	24.00	100	144,204
Mon-1/25/21	-	-	-	144,209	100	24.00	100	144,209
Tue-1/26/21	-	-	-	144,233	100	24.00	100	144,233
Wed-1/27/21	-	-	-	144,229	100	24.00	100	144,229
Thu-1/28/21	-	-	-	144,198	100	24.00	100	144,198
Fri-1/29/21	-	-	-	144,270	100	24.00	100	144,270
Sat-1/30/21	-	-	-	144,262	100	24.00	100	144,262
Sun-1/31/21	-	-	-	144,162	100	24.00	100	144,162
<b>TOTALS</b>	-	-	-	<b>4,470,425</b>	<b>100</b>	<b>744.00</b>	<b>100</b>	<b>4,470,425</b>

<b>TOTAL VOLUME EXTRACTED :</b>	<b>4,470,425 GALLONS</b>
<b>DAYS IN MONTH :</b>	<b>31 DAYS</b>
<b>MONTHLY AVERAGE FLOW RATE :</b>	<b>100.14 GPM</b>

TABLE #3

CORE AREA EXTRACTION DATA

Month of: Jan-21

Core Area Well Extraction																Daily Flow GPM	Daily Total Gallons			
Date	TW-1			TW-2 (Dolph)			TW-3			TW-10			TW-14			TW-20			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.		
Fri-1/1/21	-	-	-	31,237	22	24.00	-	-	-	-	-	-	-	-	-	28,908	20	24.00	42	60,145
Sat-1/2/21	-	-	-	30,935	21	24.00	-	-	-	-	-	-	-	-	-	28,879	20	24.00	42	59,814
Sun-1/3/21	-	-	-	30,584	21	24.00	-	-	-	-	-	-	-	-	-	28,908	20	24.00	41	59,492
Mon-1/4/21	-	-	-	30,057	21	24.00	-	-	-	-	-	-	-	-	-	28,979	20	24.00	41	59,036
Tue-1/5/21	-	-	-	29,661	21	24.00	-	-	-	-	-	-	-	-	-	28,923	20	24.00	41	58,584
Wed-1/6/21	-	-	-	29,322	20	24.00	-	-	-	-	-	-	-	-	-	28,931	20	24.00	40	58,253
Thu-1/7/21	-	-	-	28,919	20	24.00	-	-	-	-	-	-	-	-	-	28,920	20	24.00	40	57,839
Fri-1/8/21	-	-	-	28,687	20	24.00	-	-	-	-	-	-	-	-	-	28,940	20	24.00	40	57,627
Sat-1/9/21	-	-	-	28,203	20	24.00	-	-	-	-	-	-	-	-	-	28,928	20	24.00	40	57,131
Sun-1/10/21	-	-	-	27,786	19	24.00	-	-	-	-	-	-	-	-	-	28,910	20	24.00	39	56,696
Mon-1/11/21	-	-	-	27,605	19	24.00	-	-	-	-	-	-	-	-	-	28,895	20	24.00	39	56,500
Tue-1/12/21	-	-	-	27,477	19	24.00	-	-	-	-	-	-	-	-	-	28,933	20	24.00	39	56,410
Wed-1/13/21	-	-	-	27,449	19	24.00	-	-	-	-	-	-	-	-	-	28,918	20	24.00	39	56,367
Thu-1/14/21	-	-	-	27,421	19	24.00	-	-	-	-	-	-	-	-	-	28,865	20	23.93	39	56,286
Fri-1/15/21	-	-	-	27,419	19	24.00	-	-	-	-	-	-	-	-	-	28,919	20	24.00	39	56,338
Sat-1/16/21	-	-	-	27,117	19	24.00	-	-	-	-	-	-	-	-	-	28,924	20	24.00	39	56,041
Sun-1/17/21	-	-	-	26,667	19	24.00	-	-	-	-	-	-	-	-	-	28,931	20	24.00	39	55,598
Mon-1/18/21	-	-	-	26,176	18	24.00	-	-	-	-	-	-	-	-	-	28,936	20	24.00	38	55,112
Tue-1/19/21	-	-	-	25,681	18	24.00	-	-	-	-	-	-	-	-	-	28,938	20	24.00	38	54,619
Wed-1/20/21	-	-	-	25,424	18	24.00	-	-	-	-	-	-	-	-	-	28,932	20	24.00	38	54,356
Thu-1/21/21	-	-	-	25,768	18	24.00	-	-	-	-	-	-	-	-	-	28,932	20	24.00	38	54,700
Fri-1/22/21	-	-	-	25,055	17	24.00	-	-	-	-	-	-	-	-	-	28,927	20	24.00	37	53,982
Sat-1/23/21	-	-	-	24,419	17	24.00	-	-	-	-	-	-	-	-	-	28,923	20	24.00	37	53,342
Sun-1/24/21	-	-	-	24,425	17	24.00	-	-	-	-	-	-	-	-	-	28,914	20	24.00	37	53,339
Mon-1/25/21	-	-	-	24,099	17	24.00	-	-	-	-	-	-	-	-	-	28,917	20	24.00	37	53,016
Tue-1/26/21	-	-	-	24,181	17	24.00	-	-	-	-	-	-	-	-	-	28,933	20	24.00	37	53,114
Wed-1/27/21	-	-	-	23,276	16	24.00	-	-	-	-	-	-	-	-	-	28,910	20	24.00	36	52,186
Thu-1/28/21	-	-	-	22,716	16	24.00	-	-	-	-	-	-	-	-	-	28,929	20	24.00	36	51,645
Fri-1/29/21	-	-	-	22,648	16	24.00	-	-	-	-	-	-	-	-	-	28,933	20	24.00	36	51,581
Sat-1/30/21	-	-	-	22,549	16	24.00	-	-	-	-	-	-	-	-	-	28,930	20	24.00	36	51,479
Sun-1/31/21	-	-	-	22,539	16	24.00	-	-	-	-	-	-	-	-	-	28,910	20	24.00	36	51,449
<b>TOTALS</b>	-	-	-	<b>825,502</b>	<b>18</b>	<b>744.00</b>	-	-	-	-	-	-	-	-	-	<b>896,575</b>	<b>20</b>	<b>743.93</b>	<b>39</b>	<b>1,722.077</b>

TOTAL VOLUME EXTRACTED :	1,722.077 GALLONS
DAYS IN MONTH :	31 DAYS
MONTHLY AVERAGE FLOW RATE :	38.58 GPM

**MARSHY AREA EXTRACTION DATA**

Month of: **Jan-21**

<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>
Fri-1/1/21	1,928	1	24.00	1	1,928
Sat-1/2/21	1,929	1	24.00	1	1,929
Sun-1/3/21	1,925	1	24.00	1	1,925
Mon-1/4/21	1,930	1	24.00	1	1,930
Tue-1/5/21	1,945	1	24.00	1	1,945
Wed-1/6/21	1,939	1	24.00	1	1,939
Thu-1/7/21	1,941	1	24.00	1	1,941
Fri-1/8/21	1,944	1	24.00	1	1,944
Sat-1/9/21	1,941	1	24.00	1	1,941
Sun-1/10/21	1,941	1	24.00	1	1,941
Mon-1/11/21	1,946	1	24.00	1	1,946
Tue-1/12/21	1,947	1	24.00	1	1,947
Wed-1/13/21	1,942	1	24.00	1	1,942
Thu-1/14/21	1,771	1	24.00	1	1,771
Fri-1/15/21	1,676	1	24.00	1	1,676
Sat-1/16/21	1,695	1	24.00	1	1,695
Sun-1/17/21	1,681	1	24.00	1	1,681
Mon-1/18/21	1,694	1	24.00	1	1,694
Tue-1/19/21	1,702	1	24.00	1	1,702
Wed-1/20/21	1,708	1	24.00	1	1,708
Thu-1/21/21	1,709	1	24.00	1	1,709
Fri-1/22/21	1,715	1	24.00	1	1,715
Sat-1/23/21	1,732	1	24.00	1	1,732
Sun-1/24/21	1,722	1	24.00	1	1,722
Mon-1/25/21	1,701	1	24.00	1	1,701
Tue-1/26/21	1,694	1	24.00	1	1,694
Wed-1/27/21	1,693	1	24.00	1	1,693
Thu-1/28/21	1,701	1	24.00	1	1,701
Fri-1/29/21	1,727	1	24.00	1	1,727
Sat-1/30/21	1,731	1	24.00	1	1,731
Sun-1/31/21	1,746	1	24.00	1	1,746
<b>TOTALS</b>	<b>55,996</b>	<b>1</b>	<b>744.00</b>	<b>1</b>	<b>55,996</b>

<b>TOTAL VOLUME EXTRACTED :</b>	<b>55,996 GALLONS</b>
<b>DAYS IN MONTH :</b>	<b>31 DAYS</b>
<b>MONTHLY AVERAGE FLOW RATE :</b>	<b>1.25 GPM</b>

**SOUTHWEST AREA EXTRACTION DATA**

Month of: **Jan-21**

SouthWest Well Extraction							Daily	Daily
Date	TW22			TW28			Flow	Total
	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.	GPM	Gallons
Fri-1/1/21	828	<1	24.00	36,032	25	24.00	26	36,860
Sat-1/2/21	819	<1	24.00	36,021	25	24.00	26	36,840
Sun-1/3/21	814	<1	24.00	36,019	25	24.00	26	36,833
Mon-1/4/21	810	<1	24.00	36,020	25	24.00	26	36,830
Tue-1/5/21	807	<1	24.00	36,021	25	24.00	26	36,828
Wed-1/6/21	810	<1	24.00	35,990	25	24.00	26	36,800
Thu-1/7/21	974	<1	24.00	36,011	25	24.00	26	36,985
Fri-1/8/21	845	<1	24.00	36,079	25	24.00	26	36,924
Sat-1/9/21	831	<1	24.00	36,056	25	24.00	26	36,887
Sun-1/10/21	829	<1	24.00	36,049	25	24.00	26	36,878
Mon-1/11/21	825	<1	24.00	36,073	25	24.00	26	36,898
Tue-1/12/21	817	<1	24.00	36,072	25	24.00	26	36,889
Wed-1/13/21	806	<1	24.00	36,090	25	24.00	26	36,896
Thu-1/14/21	792	<1	24.00	36,082	25	24.00	26	36,874
Fri-1/15/21	782	<1	24.00	36,076	25	24.00	26	36,858
Sat-1/16/21	775	<1	24.00	36,041	25	24.00	26	36,816
Sun-1/17/21	838	<1	24.00	36,007	25	24.00	26	36,845
Mon-1/18/21	855	<1	24.00	36,003	25	24.00	26	36,858
Tue-1/19/21	788	<1	24.00	36,004	25	24.00	26	36,792
Wed-1/20/21	790	<1	24.00	36,010	25	24.00	26	36,800
Thu-1/21/21	780	<1	24.00	36,036	25	24.00	26	36,816
Fri-1/22/21	773	<1	24.00	35,993	25	24.00	26	36,766
Sat-1/23/21	784	<1	24.00	35,949	25	24.00	26	36,733
Sun-1/24/21	789	<1	24.00	35,968	25	24.00	26	36,757
Mon-1/25/21	781	<1	24.00	35,987	25	24.00	26	36,768
Tue-1/26/21	770	<1	24.00	35,999	25	24.00	26	36,769
Wed-1/27/21	769	<1	24.00	35,954	25	24.00	26	36,723
Thu-1/28/21	778	<1	24.00	35,934	25	24.00	25	36,712
Fri-1/29/21	784	<1	24.00	35,950	25	24.00	26	36,734
Sat-1/30/21	781	<1	24.00	35,937	25	24.00	25	36,718
Sun-1/31/21	770	<1	24.00	35,954	25	24.00	26	36,724
<b>TOTALS</b>	<b>24,994</b>		<b>744.00</b>	<b>1,116,417</b>	<b>25</b>	<b>744.00</b>	<b>26</b>	<b>1,141,411</b>

<b>TOTAL VOLUME EXTRACTED :</b>	<b>1,141,411 GALLONS</b>
<b>DAYS IN MONTH :</b>	<b>31 DAYS</b>
<b>MONTHLY AVERAGE FLOW RATE :</b>	<b>25.57 GPM</b>

TABLE #6  
UNIT "E" EXTRACTION DATA

Month of: Jan-21

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.		
Fri-1/1/21	-	-	-	-	-	-	234,683	163	24.00	57,624	40	24.00	86,598	60	24.00	263	378,905
Sat-1/2/21	-	-	-	-	-	-	234,653	163	24.00	57,600	40	24.00	86,673	60	24.00	263	378,926
Sun-1/3/21	-	-	-	-	-	-	234,628	163	24.00	57,637	40	24.00	86,620	60	24.00	263	378,885
Mon-1/4/21	-	-	-	-	-	-	234,698	163	24.00	57,633	40	24.00	86,641	60	24.00	263	378,972
Tue-1/5/21	-	-	-	-	-	-	233,979	163	23.95	57,347	40	23.86	86,198	60	23.86	262	377,524
Wed-1/6/21	-	-	-	-	-	-	234,656	163	24.00	57,702	40	24.00	86,628	60	24.00	263	378,986
Thu-1/7/21	-	-	-	-	-	-	234,634	163	24.00	57,108	40	23.78	85,743	60	23.75	262	377,485
Fri-1/8/21	-	-	-	-	-	-	234,618	163	24.00	57,627	40	24.00	86,684	60	24.00	263	378,929
Sat-1/9/21	-	-	-	-	-	-	234,636	163	24.00	57,591	40	24.00	86,626	60	24.00	263	378,853
Sun-1/10/21	-	-	-	-	-	-	234,658	163	24.00	57,579	40	24.00	86,668	60	24.00	263	378,905
Mon-1/11/21	-	-	-	-	-	-	234,689	163	24.00	57,586	40	24.00	86,704	60	24.00	263	378,979
Tue-1/12/21	-	-	-	-	-	-	234,612	163	24.00	57,586	40	24.00	86,624	60	24.00	263	378,822
Wed-1/13/21	-	-	-	-	-	-	234,660	163	24.00	57,480	40	23.95	86,463	60	23.95	263	378,603
Thu-1/14/21	-	-	-	-	-	-	234,694	163	24.00	57,637	40	24.00	86,655	60	24.00	263	378,986
Fri-1/15/21	-	-	-	-	-	-	234,672	163	24.00	57,617	40	24.00	86,675	60	24.00	263	378,964
Sat-1/16/21	-	-	-	-	-	-	234,711	163	24.00	57,591	40	24.00	86,711	60	24.00	263	379,013
Sun-1/17/21	-	-	-	-	-	-	234,692	163	24.00	57,593	40	24.00	86,698	60	24.00	263	378,983
Mon-1/18/21	-	-	-	-	-	-	234,644	163	24.00	57,589	40	24.00	86,623	60	24.00	263	378,856
Tue-1/19/21	-	-	-	-	-	-	234,603	163	24.00	57,570	40	24.00	86,673	60	24.00	263	378,846
Wed-1/20/21	-	-	-	-	-	-	234,529	163	24.00	57,605	40	24.00	86,684	60	24.00	263	378,818
Thu-1/21/21	-	-	-	-	-	-	234,570	163	24.00	57,295	40	23.88	86,218	60	23.88	263	378,083
Fri-1/22/21	-	-	-	-	-	-	234,536	163	24.00	57,484	40	24.00	86,679	60	24.00	263	378,699
Sat-1/23/21	-	-	-	-	-	-	234,461	163	24.00	57,396	40	23.96	86,469	60	23.96	263	378,326
Sun-1/24/21	-	-	-	-	-	-	234,527	163	24.00	57,467	40	24.00	86,593	60	24.00	263	378,587
Mon-1/25/21	-	-	-	-	-	-	234,543	163	24.00	57,426	40	24.00	86,594	60	24.00	263	378,563
Tue-1/26/21	-	-	-	-	-	-	234,462	163	24.00	57,480	40	24.00	86,566	60	24.00	263	378,508
Wed-1/27/21	-	-	-	-	-	-	234,265	163	24.00	57,535	40	24.00	86,572	60	24.00	263	378,372
Thu-1/28/21	-	-	-	-	-	-	234,204	163	24.00	57,529	40	24.00	86,684	60	24.00	263	378,417
Fri-1/29/21	-	-	-	-	-	-	234,198	163	24.00	57,565	40	24.00	86,584	60	24.00	263	378,347
Sat-1/30/21	-	-	-	-	-	-	234,282	163	24.00	57,553	40	24.00	86,611	60	24.00	263	378,446
Sun-1/31/21	-	-	-	-	-	-	234,389	163	24.00	57,562	40	24.00	86,565	60	24.00	263	378,516
<b>TOTALS</b>	-	-	-	-	-	-	<b>7,270,786</b>	<b>163</b>	<b>743.95</b>	<b>1,783,594</b>	<b>40</b>	<b>743.43</b>	<b>2,683,724</b>	<b>60</b>	<b>743.40</b>	<b>263</b>	<b>11,738,104</b>

TOTAL VOLUME EXTRACTED :	11,738,104 GALLONS
DAYS IN MONTH :	31 DAYS
MONTHLY AVERAGE FLOW RATE :	282.95 GPM



**TABLE #7**

**Little Lake Area System**

MW-53i	
Date	1,4-Dioxane ug/L
10/01/20	22
11/03/20	31
12/03/20	63
01/08/21	30

A2 Cleaning Supply Well	
Date	1,4-Dioxane ug/L
10/01/20	56
11/03/20	57
12/10/20	59
01/15/21	46

**TABLE #8**

**INDIVIDUAL PURGE WELL CONCENTRATIONS**

<b>SAMPLE ID</b>	<b>Date Sampled</b>	<b>1,4-DIOXANE (ppb)</b>
DOLPH-01-07-21-09:20-1	01/07/21	130
TW-20-01-07-21-09:25-1	01/07/21	850
LB-4-01-07-21-08:25-1	01/07/21	430
TW-21-01-07-21-09:05-1	01/07/21	270
TW-18-01-07-21-09:10-1	01/07/21	200
TW-19-01-07-21-08:40-1	01/07/21	420
TW-23-01-07-21-08:55-1	01/07/21	490
PW-1-01-07-21-09:15-1	01/07/21	550
TW-22-01-07-21-09:30-1	01/07/21	310
TW-28-01-07-21-09:35-1	01/07/21	650

**RED POND DATA**

Month of: **Jan-21**

Date	Time	Notes	Red Pond				
			Pond	Level	Aeration	Influent	Influent
			Visual Chk	Feet	Hours	Hours	GPM
Fri-1/1/21	04:00:00.000		Y	4.3	-	24.00	487
Sat-1/2/21	04:00:00.000	(1)		4.3	-	24.00	486
Sun-1/3/21	04:00:00.000	(1)		4.4	-	24.00	486
Mon-1/4/21	04:00:00.000		Y	4.4	-	24.00	486
Tue-1/5/21	04:00:00.000		Y	4.4	-	24.00	485
Wed-1/6/21	04:00:00.000		Y	4.4	-	24.00	486
Thu-1/7/21	04:00:00.000		Y	4.4	-	24.00	485
Fri-1/8/21	04:00:00.000		Y	4.4	-	24.00	485
Sat-1/9/21	04:00:00.000	(1)		4.4	-	24.00	485
Sun-1/10/21	04:00:00.000	(1)		4.4	-	24.00	485
Mon-1/11/21	04:00:00.000		Y	4.4	-	24.00	485
Tue-1/12/21	04:00:00.000		Y	4.3	-	24.00	484
Wed-1/13/21	04:00:00.000		Y	4.2	-	24.00	484
Thu-1/14/21	04:00:00.000		Y	4.2	-	24.00	484
Fri-1/15/21	04:00:00.000		Y	4.2	-	24.00	484
Sat-1/16/21	04:00:00.000	(1)		4.3	-	24.00	484
Sun-1/17/21	04:00:00.000	(1)		4.2	-	24.00	484
Mon-1/18/21	04:00:00.000		Y	4.2	-	24.00	483
Tue-1/19/21	04:00:00.000		Y	4.2	-	24.00	483
Wed-1/20/21	04:00:00.000		Y	4.1	-	24.00	483
Thu-1/21/21	04:00:00.000		Y	4.1	-	24.00	486
Fri-1/22/21	04:00:00.000		Y	4.3	-	24.00	487
Sat-1/23/21	04:00:00.000	(1)		4.3	-	24.00	487
Sun-1/24/21	04:00:00.000	(1)		4.3	-	24.00	487
Mon-1/25/21	04:00:00.000		Y	4.2	-	24.00	487
Tue-1/26/21	04:00:00.000		Y	4.3	-	24.00	487
Wed-1/27/21	04:00:00.000		Y	4.4	-	24.00	486
Thu-1/28/21	04:00:00.000		Y	4.3	-	24.00	485
Fri-1/29/21	04:00:00.000		Y	4.3	-	24.00	485
Sat-1/30/21	04:00:00.000	(1)		4.3	-	24.00	485
Sun-1/31/21	04:00:00.000	(1)		4.3	-	24.00	485
<b>TOTALS</b>			-	-	-	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

<b>SAMPLE ID</b>	<b>Date Sampled</b>	<b>1,4-DIOXANE (ppb)</b>
Red Pond-01-04-21-08:35-1	1/4/2021	370
Red Pond-01-11-21-08:35-1	1/11/2021	350
Red Pond-01-18-21-08:35-1	1/18/2021	360
Red Pond-01-25-21-08:40-1	1/25/2021	330

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

**OZONE OPERATION REPORT**

**Month of: Jan-21**

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
Fri-1/1/21	14:00:00.00		241	24.00	0	0.00	240	24.00	0	0.00
Sat-1/2/21	14:00:00.00	(1)	240	24.00	0	0.00	240	24.00	0	0.00
Sun-1/3/21	14:00:00.00	(1)	240	24.00	0	0.00	237	24.00	0	0.00
Mon-1/4/21	14:00:00.00		240	24.00	0	0.00	240	24.00	0	0.00
Tue-1/5/21	14:00:00.00		240	24.00	0	0.00	239	24.00	0	0.00
Wed-1/6/21	14:00:00.00		241	24.00	3	0.00	240	24.00	0	0.00
Thu-1/7/21	14:00:00.00		241	24.00	0	0.00	240	24.00	0	0.00
Fri-1/8/21	14:00:00.00		241	24.00	0	0.00	240	24.00	0	0.00
Sat-1/9/21	14:00:00.00	(1)	241	24.00	0	0.00	240	24.00	0	0.00
Sun-1/10/21	14:00:00.00	(1)	240	24.00	0	0.00	239	24.00	0	0.00
Mon-1/11/21	14:00:00.00		241	24.00	0	0.00	237	24.00	0	0.00
Tue-1/12/21	14:00:00.00		240	24.00	0	0.00	239	24.00	0	0.00
Wed-1/13/21	14:00:00.00		240	24.00	0	0.00	240	24.00	0	0.00
Thu-1/14/21	14:00:00.00		240	23.68	0	0.00	240	23.70	0	0.00
Fri-1/15/21	14:00:00.00		241	24.00	0	0.00	240	24.00	0	0.00
Sat-1/16/21	14:00:00.00	(1)	241	24.00	0	0.00	240	24.00	0	0.00
Sun-1/17/21	14:00:00.00	(1)	240	24.00	0	0.00	240	24.00	0	0.00
Mon-1/18/21	14:00:00.00		240	24.00	0	0.00	240	24.00	0	0.00
Tue-1/19/21	14:00:00.00		241	24.00	0	0.00	240	24.00	0	0.00
Wed-1/20/21	14:00:00.00		240	24.00	0	0.00	240	24.00	0	0.00
Thu-1/21/21	14:00:00.00		241	24.00	0	0.00	239	24.00	0	0.00
Fri-1/22/21	14:00:00.00		240	24.00	0	0.00	239	24.00	0	0.00
Sat-1/23/21	14:00:00.00	(1)	240	24.00	0	0.00	240	24.00	0	0.00
Sun-1/24/21	14:00:00.00	(1)	240	24.00	0	0.00	240	24.00	0	0.00
Mon-1/25/21	14:00:00.00		240	24.00	0	0.00	240	24.00	0	0.00
Tue-1/26/21	14:00:00.00		240	24.00	0	0.00	240	24.00	0	0.00
Wed-1/27/21	14:00:00.00		240	24.00	0	0.00	242	24.00	0	0.00
Thu-1/28/21	14:00:00.00		240	24.00	0	0.00	240	24.00	0	0.00
Fri-1/29/21	14:00:00.00		241	24.00	0	0.00	240	24.00	0	0.00
Sat-1/30/21	14:00:00.00	(1)	241	24.00	0	0.00	239	24.00	0	0.00
Sun-1/31/21	14:00:00.00	(1)	239	24.00	0	0.00	240	24.00	0	0.00

Daily readings are collected by the Operator at various times of the day, resulting in varied readings and calculations.

(1) Manual readings were not taken due to weekend end/or holiday.

**TABLE #12**

**GREEN POND / DISCHARGE DATA**

Month of: **Jan-21**

			<b>Green Pond</b>																	
Date	Time	Notes	<b>Pond</b>			<b>Influent</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	Pond Discharge GPM	Pond Discharge Gallons	Bypass Discharge GPM	Bypass Discharge Gallons	Bypass Discharge Hours	Recirc Thru UV to Pond GPM	Recirc Thru UV to Pond Gallons	Recirc Thru UV to Pond Hours	Recirc Thru UV to Disch GPM	Recirc Thru UV to Disch Gallons	Recirc Thru UV to Disch Hours		
Fri-1/1/21	14:00:00.00		Y	-	-						497	716,019	24.00	-	-	-	-	-	-	
Sat-1/2/21	14:00:00.00	(1)		-	-						497	716,157	24.00	-	-	-	-	-	-	
Sun-1/3/21	14:00:00.00	(1)		-	-						497	716,183	24.00	-	-	-	-	-	-	
Mon-1/4/21	14:00:00.00		Y	-	-						497	716,168	24.00	-	-	-	-	-	-	
Tue-1/5/21	14:00:00.00		Y	-	-						497	716,196	24.00	-	-	-	-	-	-	
Wed-1/6/21	14:00:00.00		Y	-	-						497	716,067	24.00	-	-	-	-	-	-	
Thu-1/7/21	14:00:00.00		Y	-	-						497	716,028	24.00	-	-	-	-	-	-	
Fri-1/8/21	14:00:00.00		Y	-	-						497	715,948	24.00	-	-	-	-	-	-	
Sat-1/9/21	14:00:00.00	(1)		-	-						497	715,882	24.00	-	-	-	-	-	-	
Sun-1/10/21	14:00:00.00	(1)		-	-						497	715,926	24.00	-	-	-	-	-	-	
Mon-1/11/21	14:00:00.00		Y	-	-						497	716,011	24.00	-	-	-	-	-	-	
Tue-1/12/21	14:00:00.00		Y	-	-						497	715,992	24.00	-	-	-	-	-	-	
Wed-1/13/21	14:00:00.00		Y	-	-						497	716,264	24.00	-	-	-	-	-	-	
Thu-1/14/21	14:00:00.00		Y	-	-						497	703,817	23.62	-	-	-	-	-	-	
Fri-1/15/21	14:00:00.00		Y	-	-						497	716,392	24.00	-	-	-	-	-	-	
Sat-1/16/21	14:00:00.00	(1)		-	-						497	716,280	24.00	-	-	-	-	-	-	
Sun-1/17/21	14:00:00.00	(1)		-	-						498	716,417	24.00	-	-	-	-	-	-	
Mon-1/18/21	14:00:00.00		Y	-	-						497	716,286	24.00	-	-	-	-	-	-	
Tue-1/19/21	14:00:00.00		Y	-	-						497	716,115	24.00	-	-	-	-	-	-	
Wed-1/20/21	14:00:00.00		Y	-	-						497	716,078	24.00	-	-	-	-	-	-	
Thu-1/21/21	14:00:00.00		Y	-	-						497	716,233	24.00	-	-	-	-	-	-	
Fri-1/22/21	14:00:00.00		Y	-	-						497	716,039	24.00	-	-	-	-	-	-	
Sat-1/23/21	14:00:00.00	(1)		-	-						497	715,889	24.00	-	-	-	-	-	-	
Sun-1/24/21	14:00:00.00	(1)		-	-						497	715,976	24.00	-	-	-	-	-	-	
Mon-1/25/21	14:00:00.00		Y	-	-						497	716,053	24.00	-	-	-	-	-	-	
Tue-1/26/21	14:00:00.00		Y	-	-						497	716,131	24.00	-	-	-	-	-	-	
Wed-1/27/21	14:00:00.00		Y	-	-						497	715,926	24.00	-	-	-	-	-	-	
Thu-1/28/21	14:00:00.00		Y	-	-						497	715,711	24.00	-	-	-	-	-	-	
Fri-1/29/21	14:00:00.00		Y	-	-						497	715,828	24.00	-	-	-	-	-	-	
Sat-1/30/21	14:00:00.00	(1)		-	-						497	715,859	24.00	-	-	-	-	-	-	
Sun-1/31/21	14:00:00.00	(1)		-	-						497	715,884	24.00	-	-	-	-	-	-	
<b>TOTALS</b>												<b>22,185,755</b>	<b>744</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
1/1/2021	0.716	*G	*G										
1/2/2021	0.716												
1/3/2021	0.716			5.8								7.2	
1/4/2021	0.716			5.0	0.370	<50	<0.16	yes	yes	7.2	7.2	8.2	37
1/5/2021	0.716			6.1		<50	<0.16	no	no	7.3	7.3	7.7	
1/6/2021	0.716			6.4		<50	<0.16	no	yes	7.3	7.3	7.8	43
1/7/2021	0.716			5.6		<50	<0.16	no	no	7.3	7.3	7.4	
1/8/2021	0.716					<50	<0.16	no	no	7.4	7.4		
1/9/2021	0.716												
1/10/2021	0.716			5.9								8.0	
1/11/2021	0.716			5.3	0.350	<50	<0.16	yes	yes	7.2	7.2	8.5	44
1/12/2021	0.716			5.3		<50	<0.16	no	no	7.3	7.3	8.2	
1/13/2021	0.716			5.5		<50	<0.16	no	yes	7.3	7.3	7.8	40
1/14/2021	0.704			5.5		<50	<0.16	no	no	7.2	7.2	8.3	
1/15/2021	0.716					<50	<0.16	no	no	7.2	7.2		
1/16/2021	0.716												
1/17/2021	0.716			5.2								8.7	
1/18/2021	0.716			5.9	0.360	<50	<0.16	yes	yes	7.3	7.3	8.0	36
1/19/2021	0.716			6.3		<50	<0.16	no	no	7.2	7.2	7.8	
1/20/2021	0.716			5.9		<50	<0.16	no	yes	7.3	7.3	8.8	34
1/21/2021	0.716			5.9		<50	<0.16	no	no	7.3	7.3	7.5	
1/22/2021	0.716					<50	<0.16	no	no	7.3	7.3		
1/23/2021	0.716												
1/24/2021	0.716			5.4								5.4	
1/25/2021	0.716			6.0	0.330	<50	<0.16	yes	yes	7.3	7.3	8.0	30
1/26/2021	0.716			5.9		<50	<0.16	no	no	7.3	7.3	9.2	
1/27/2021	0.716			6.0		<50	<0.16	no	yes	7.2	7.2	9.3	44
1/28/2021	0.716			5.6		<50	<0.16	no	no	7.1	7.1	9.9	
1/29/2021	0.716					<50	<0.16	no	no	7.2	7.2		
1/30/2021	0.716												
1/31/2021	0.716			4.7								12.0	
<b>Discharged (mg)</b>	<b>22.186</b>												
<b>Monthly Avg</b>				<b>5.7</b>								<b>8.3</b>	

1/1/21 - New Years Day. Manual readings were not taken due to holiday.