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August 7, 2018

Jeff Surfus
Surface Water Quality Division
Michigan Department of Environmental Quality
301 East Louis Glick Highway
Jackson, Michigan 49201

**Re: Monitoring Report # 255
July 1 – July 31, 2018**

Dear Mr. Surfus:

Pursuant to the National Pollutant Discharge Elimination System (NPDES) Permit No. MI0048453, please find the enclosed Monitoring Report for the period of July 1 through July 31, 2018.

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

Sincerely,

A handwritten signature in cursive script that reads "Lawrence J. Gelb".

Lawrence J. Gelb
Sr. Director Global EHS

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

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JACKSON DISTRICT OFFICE



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JACKSON DISTRICT OFFICE

UNIT D2 UPGRADIENT EXTRACTION DATA

Month of: **Jul-18**

Date	TW-21			Daily Flow	Daily Total
	TW-21			GPM	Gallons
	Gallons	GPM	Run Hrs.		
Sun-7/1/18	86,621	60	24.00	60	86,621
Mon-7/2/18	86,610	60	24.00	60	86,610
Tue-7/3/18	86,644	60	24.00	60	86,644
Wed-7/4/18	86,619	60	24.00	60	86,619
Thu-7/5/18	86,631	60	24.00	60	86,631
Fri-7/6/18	86,563	60	24.00	60	86,563
Sat-7/7/18	86,557	60	24.00	60	86,557
Sun-7/8/18	86,579	60	24.00	60	86,579
Mon-7/9/18	86,614	60	24.00	60	86,614
Tue-7/10/18	86,618	60	24.00	60	86,618
Wed-7/11/18	86,572	60	24.00	60	86,572
Thu-7/12/18	86,581	60	24.00	60	86,581
Fri-7/13/18	86,586	60	24.00	60	86,586
Sat-7/14/18	86,594	60	24.00	60	86,594
Sun-7/15/18	86,682	60	24.00	60	86,682
Mon-7/16/18	86,634	60	24.00	60	86,634
Tue-7/17/18	86,551	60	24.00	60	86,551
Wed-7/18/18	86,553	60	24.00	60	86,553
Thu-7/19/18	86,585	60	24.00	60	86,585
Fri-7/20/18	86,589	60	24.00	60	86,589
Sat-7/21/18	86,532	60	24.00	60	86,532
Sun-7/22/18	86,571	60	24.00	60	86,571
Mon-7/23/18	86,600	60	24.00	60	86,600
Tue-7/24/18	95,866	67	24.00	67	95,866
Wed-7/25/18	101,088	70	24.00	70	101,088
Thu-7/26/18	101,034	70	24.00	70	101,034
Fri-7/27/18	101,011	70	24.00	70	101,011
Sat-7/28/18	101,056	70	24.00	70	101,056
Sun-7/29/18	101,081	70	24.00	70	101,081
Mon-7/30/18	101,042	70	24.00	70	101,042
Tue-7/31/18	101,015	70	24.00	70	101,015
TOTALS	2,794,879	63	744.00	63	2,794,879

TOTAL VOLUME EXTRACTED :	2,794,879 GALLONS
DAYS IN MONTH :	31 DAYS
MONTHLY AVERAGE FLOW RATE :	62.61 GPM

UNIT D2 DOWNGRADIENT EXTRACTION DATA

Month of: Jul-18

Date	LB-4			Daily	Daily
	Gallons	GPM	Run Hrs.	Flow GPM	Total Gallons
Sun-7/1/18	144,268	100	24.00	100	144,268
Mon-7/2/18	144,247	100	24.00	100	144,247
Tue-7/3/18	144,156	100	24.00	100	144,156
Wed-7/4/18	144,115	100	24.00	100	144,115
Thu-7/5/18	144,095	100	24.00	100	144,095
Fri-7/6/18	144,269	100	24.00	100	144,269
Sat-7/7/18	144,250	100	24.00	100	144,250
Sun-7/8/18	144,275	100	24.00	100	144,275
Mon-7/9/18	144,213	100	24.00	100	144,213
Tue-7/10/18	144,109	100	24.00	100	144,109
Wed-7/11/18	144,113	100	24.00	100	144,113
Thu-7/12/18	144,168	100	24.00	100	144,168
Fri-7/13/18	144,225	100	24.00	100	144,225
Sat-7/14/18	144,228	100	24.00	100	144,228
Sun-7/15/18	144,268	100	24.00	100	144,268
Mon-7/16/18	144,244	100	24.00	100	144,244
Tue-7/17/18	144,186	100	24.00	100	144,186
Wed-7/18/18	144,250	100	24.00	100	144,250
Thu-7/19/18	144,226	100	24.00	100	144,226
Fri-7/20/18	144,167	100	24.00	100	144,167
Sat-7/21/18	144,374	100	24.00	100	144,374
Sun-7/22/18	144,313	100	24.00	100	144,313
Mon-7/23/18	144,058	100	24.00	100	144,058
Tue-7/24/18	144,103	100	24.00	100	144,103
Wed-7/25/18	144,217	100	24.00	100	144,217
Thu-7/26/18	144,272	100	24.00	100	144,272
Fri-7/27/18	144,201	100	24.00	100	144,201
Sat-7/28/18	141,112	100	23.50	98	141,112
Sun-7/29/18	144,152	100	24.00	100	144,152
Mon-7/30/18	144,085	100	24.00	100	144,085
Tue-7/31/18	144,207	100	24.00	100	144,207
TOTALS	4,467,166	100	743.50	100	4,467,166

TOTAL VOLUME EXTRACTED :	4,467,166 GALLONS
DAYS IN MONTH :	31 DAYS
MONTHLY AVERAGE FLOW RATE :	100.07 GPM

CORE AREA EXTRACTION DATA

Month of: Jul-18

Core Area Well Extraction										Daily	Daily
Date	TW-2 (Dolph)			TW-10			TW-20			Flow	Total
	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.	GPM	Gallons
Sun-7/1/18	27,010	20	23.05	-	-	-	43,121	30	24.00	49	70,131
Mon-7/2/18	26,838	19	23.25	-	-	-	43,155	30	24.00	49	69,993
Tue-7/3/18	26,557	19	23.08	-	-	-	43,364	30	24.00	49	69,921
Wed-7/4/18	26,466	19	23.18	-	-	-	43,147	30	24.00	48	69,613
Thu-7/5/18	26,523	19	23.13	-	-	-	43,384	30	24.00	49	69,907
Fri-7/6/18	26,254	19	23.15	-	-	-	43,439	30	24.00	48	69,693
Sat-7/7/18	26,152	19	23.07	-	-	-	43,335	30	24.00	48	69,487
Sun-7/8/18	26,217	19	23.07	-	-	-	43,384	30	24.00	48	69,601
Mon-7/9/18	26,324	19	23.00	-	-	-	43,335	30	24.00	48	69,659
Tue-7/10/18	26,345	19	23.10	-	-	-	43,340	30	24.00	48	69,685
Wed-7/11/18	26,198	18	23.70	-	-	-	43,269	30	24.00	48	69,467
Thu-7/12/18	26,376	18	24.00	-	-	-	43,273	30	24.00	48	69,649
Fri-7/13/18	26,489	18	24.00	-	-	-	43,215	30	24.00	48	69,704
Sat-7/14/18	26,575	18	24.00	-	-	-	43,051	30	24.00	48	69,626
Sun-7/15/18	26,599	18	24.00	-	-	-	43,029	30	24.00	48	69,628
Mon-7/16/18	26,592	18	24.00	-	-	-	42,970	30	24.00	48	69,562
Tue-7/17/18	20,398	14	24.00	-	-	-	42,911	30	24.00	44	63,309
Wed-7/18/18	13,775	10	24.00	-	-	-	43,229	30	24.00	40	57,004
Thu-7/19/18	13,889	10	24.00	-	-	-	43,441	30	24.00	40	57,330
Fri-7/20/18	14,285	10	24.00	-	-	-	43,270	30	24.00	40	57,555
Sat-7/21/18	14,303	10	24.00	-	-	-	43,205	30	24.00	40	57,508
Sun-7/22/18	14,293	10	24.00	-	-	-	43,191	30	24.00	40	57,484
Mon-7/23/18	14,331	10	24.00	-	-	-	43,118	30	24.00	40	57,449
Tue-7/24/18	15,329	11	24.00	-	-	-	43,048	30	24.00	41	58,377
Wed-7/25/18	16,218	11	24.00	-	-	-	43,004	30	24.00	41	59,222
Thu-7/26/18	16,382	11	24.00	-	-	-	43,327	30	24.00	41	59,709
Fri-7/27/18	16,518	11	24.00	-	-	-	43,299	30	24.00	42	59,817
Sat-7/28/18	16,459	11	24.00	-	-	-	43,259	30	24.00	41	59,718
Sun-7/29/18	15,607	11	24.00	205	5	0.68	43,486	30	24.00	41	59,298
Mon-7/30/18	15,627	11	24.00	-	-	-	43,390	30	24.00	41	59,017
Tue-7/31/18	15,640	11	24.00	-	-	-	43,310	30	24.00	41	58,950
TOTALS	656,569	15	734.78	205	5	0.68	1,340,299	30	744.00	45	1,997,073

TOTAL VOLUME EXTRACTED :	1,997,073 GALLONS
DAYS IN MONTH :	31 DAYS
MONTHLY AVERAGE FLOW RATE :	44.74 GPM

MARSHY AREA EXTRACTION DATA

Month of: Jul-18

Marshy Well Extraction				Daily Flow	Daily Total
Date	PW-1 Gallons	GPM	Run Hrs.	GPM	Gallons
Sun-7/1/18	3,561	2	24.00	2	3,561
Mon-7/2/18	3,557	2	24.00	2	3,557
Tue-7/3/18	3,549	2	24.00	2	3,549
Wed-7/4/18	3,535	2	24.00	2	3,535
Thu-7/5/18	3,518	2	24.00	2	3,518
Fri-7/6/18	3,524	2	24.00	2	3,524
Sat-7/7/18	3,524	2	24.00	2	3,524
Sun-7/8/18	3,519	2	24.00	2	3,519
Mon-7/9/18	3,473	2	24.00	2	3,473
Tue-7/10/18	3,447	2	24.00	2	3,447
Wed-7/11/18	3,480	2	24.00	2	3,480
Thu-7/12/18	3,473	2	24.00	2	3,473
Fri-7/13/18	3,260	2	24.00	2	3,260
Sat-7/14/18	3,172	2	24.00	2	3,172
Sun-7/15/18	3,087	2	24.00	2	3,087
Mon-7/16/18	2,440	2	24.00	2	2,440
Tue-7/17/18	2,219	2	24.00	2	2,219
Wed-7/18/18	2,052	1	24.00	1	2,052
Thu-7/19/18	1,961	1	24.00	1	1,961
Fri-7/20/18	1,766	1	24.00	1	1,766
Sat-7/21/18	1,614	1	18.57	1	1,614
Sun-7/22/18	1,452	2	10.97	1	1,452
Mon-7/23/18	1,433	2	10.92	1	1,433
Tue-7/24/18	1,486	2	10.88	1	1,486
Wed-7/25/18	1,452	2	10.37	1	1,452
Thu-7/26/18	1,392	2	10.57	1	1,392
Fri-7/27/18	1,316	2	9.40	1	1,316
Sat-7/28/18	1,282	2	9.05	1	1,282
Sun-7/29/18	1,248	3	8.28	1	1,248
Mon-7/30/18	1,181	3	7.53	1	1,181
Tue-7/31/18	1,183	3	7.47	1	1,183
TOTALS	77,156	2	594.00	2	77,156

TOTAL VOLUME EXTRACTED :	77,156 GALLONS
DAYS IN MONTH :	31 DAYS
MONTHLY AVERAGE FLOW RATE :	1.73 GPM

07/21/18 - 07/31/18 - Marshy extraction was shut down due to low flow.

SOUTHWEST AREA EXTRACTION DATA

Month of: Jul-18

SouthWest Well Extraction				Daily Flow GPM	Daily Total Gallons
Date	ACTIVE WELLS				
	Gallons	GPM	Run Hrs.		
Sun-7/1/18	20,575	14	24.00	14	20,575
Mon-7/2/18	20,432	14	24.00	14	20,432
Tue-7/3/18	20,245	14	24.00	14	20,245
Wed-7/4/18	20,138	14	24.00	14	20,138
Thu-7/5/18	20,065	14	24.00	14	20,065
Fri-7/6/18	19,874	14	24.00	14	19,874
Sat-7/7/18	19,767	14	24.00	14	19,767
Sun-7/8/18	19,689	14	24.00	14	19,689
Mon-7/9/18	19,592	14	24.00	14	19,592
Tue-7/10/18	19,474	14	24.00	14	19,474
Wed-7/11/18	19,266	13	24.00	13	19,266
Thu-7/12/18	19,127	13	24.00	13	19,127
Fri-7/13/18	19,054	13	24.00	13	19,054
Sat-7/14/18	18,838	13	24.00	13	18,838
Sun-7/15/18	18,669	13	24.00	13	18,669
Mon-7/16/18	18,490	13	24.00	13	18,490
Tue-7/17/18	18,272	13	24.00	13	18,272
Wed-7/18/18	18,018	13	24.00	13	18,018
Thu-7/19/18	17,853	12	24.00	12	17,853
Fri-7/20/18	17,996	12	24.00	12	17,996
Sat-7/21/18	17,932	12	24.00	12	17,932
Sun-7/22/18	17,765	12	24.00	12	17,765
Mon-7/23/18	17,625	12	24.00	12	17,625
Tue-7/24/18	17,509	12	24.00	12	17,509
Wed-7/25/18	17,405	12	24.00	12	17,405
Thu-7/26/18	17,297	12	24.00	12	17,297
Fri-7/27/18	17,065	12	24.00	12	17,065
Sat-7/28/18	16,873	12	24.00	12	16,873
Sun-7/29/18	16,916	12	24.00	12	16,916
Mon-7/30/18	10,794	12	14.80	7	10,794
Tue-7/31/18	17,907	12	24.00	12	17,907
TOTALS	570,522	13	734.80	13	570,522

TOTAL VOLUME EXTRACTED :	570,522 GALLONS
DAYS IN MONTH :	31 DAYS
MONTHLY AVERAGE FLOW RATE :	12.78 GPM

Note: ACTIVE WELLS = TW-8, TW-22

07/30/18 - SW extraction was down for maintenance.

UNIT "E" EXTRACTION DATA

Month of: Jul-18

Date	TW-18			TW-19			TW-23			Daily	Daily
	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.	Gallons	GPM	Run Hrs.	Flow GPM	Total Gallons
Sun-7/1/18	234,112	163	24.00	45,189	31	24.00	99,174	69	24.00	263	378,475
Mon-7/2/18	234,099	163	24.00	45,156	31	24.00	99,106	69	24.00	263	378,361
Tue-7/3/18	234,118	163	24.00	45,154	31	24.00	99,032	69	24.00	263	378,304
Wed-7/4/18	234,164	163	24.00	45,127	31	24.00	99,235	69	24.00	263	378,526
Thu-7/5/18	234,161	163	24.00	45,112	31	24.00	99,199	69	24.00	263	378,472
Fri-7/6/18	234,079	163	24.00	45,096	31	24.00	99,097	69	24.00	263	378,272
Sat-7/7/18	234,082	163	24.00	45,132	31	24.00	99,099	69	24.00	263	378,313
Sun-7/8/18	234,118	163	24.00	45,125	31	24.00	99,126	69	24.00	263	378,369
Mon-7/9/18	234,141	163	24.00	45,111	31	24.00	99,134	69	24.00	263	378,386
Tue-7/10/18	234,132	163	24.00	44,340	31	23.50	97,894	69	23.70	261	376,366
Wed-7/11/18	234,123	163	24.00	45,263	31	24.00	99,190	69	24.00	263	378,576
Thu-7/12/18	234,102	163	23.98	45,271	31	24.00	99,125	69	24.00	263	378,498
Fri-7/13/18	234,168	163	24.00	45,273	31	24.00	99,058	69	24.00	263	378,499
Sat-7/14/18	234,158	163	24.00	45,266	31	24.00	99,078	69	24.00	263	378,502
Sun-7/15/18	234,217	163	24.00	45,282	31	24.00	99,080	69	24.00	263	378,579
Mon-7/16/18	234,189	163	24.00	45,263	31	24.00	99,169	69	24.00	263	378,621
Tue-7/17/18	234,149	163	24.00	45,276	31	24.00	99,095	69	24.00	263	378,520
Wed-7/18/18	234,143	163	24.00	45,262	31	24.00	99,268	69	24.00	263	378,673
Thu-7/19/18	234,111	163	24.00	45,260	31	24.00	99,253	69	24.00	263	378,624
Fri-7/20/18	233,933	162	24.00	45,290	31	24.00	99,237	69	24.00	263	378,460
Sat-7/21/18	233,830	162	24.00	45,287	31	24.00	99,203	69	24.00	263	378,320
Sun-7/22/18	233,780	162	24.00	45,330	31	24.00	99,159	69	24.00	263	378,269
Mon-7/23/18	233,793	162	24.00	45,333	31	24.00	99,174	69	24.00	263	378,300
Tue-7/24/18	238,116	165	24.00	45,303	31	24.00	99,127	69	24.00	266	382,546
Wed-7/25/18	241,132	167	24.00	45,295	31	24.00	99,086	69	24.00	268	385,513
Thu-7/26/18	241,097	167	24.00	45,270	31	24.00	99,108	69	24.00	268	385,475
Fri-7/27/18	241,073	167	24.00	45,247	31	24.00	99,170	69	24.00	268	385,490
Sat-7/28/18	241,074	167	24.00	44,561	31	23.60	97,520	69	23.60	266	383,155
Sun-7/29/18	241,098	167	24.00	45,541	32	24.00	99,213	69	24.00	268	385,852
Mon-7/30/18	241,058	167	24.00	45,561	32	24.00	99,056	69	24.00	268	385,675
Tue-7/31/18	241,047	167	24.00	45,580	32	24.00	99,064	69	24.00	268	385,691
TOTALS	7,309,597	164	743.98	1,401,556	31	743.10	3,070,529	69	743.30	264	11,781,682

TOTAL VOLUME EXTRACTED :	11,781,682 GALLONS
DAYS IN MONTH :	31 DAYS
MONTHLY AVERAGE FLOW RATE :	263.93 GPM

TABLE #7

Little Lake Area System

MW-53i	
Date	1,4-Dioxane ug/L
04/03/18	34
05/09/18	57
06/06/18	81
07/03/18	46

A2 Cleaning Supply	
Date	1,4-Dioxane ug/L
04/04/18	84
05/08/18	82
06/07/18	81
07/03/18	75

TABLE #8

INDIVIDUAL PURGE WELL CONCENTRATIONS

SAMPLE ID	Date Sampled	1,4-DIOXANE (ppb)
DOLPH-07-10-18-10:50-1	07/10/18	110
TW-20-07-10-18-10:25-1	07/10/18	880
LB-4-07-10-18-09:45-1	07/10/18	440
TW-21-07-10-18-10:20-1	07/10/18	200
TW-18-07-10-18-10:45-1	07/10/18	250
TW-19-07-10-18-10:00-1	07/10/18	450
TW-23-07-10-18-09:42-1	07/10/18	470
PW-1-07-10-18-10:40-1	07/10/18	530
TW-22-07-10-18-11:05-1	07/10/18	360
TW-8-07-10-18-11:00-1	07/10/18	910

RED POND DATA

Month of: Jul-18

Date	Time	Notes	Red Pond				
			Pond	Level	Aeration	Influent	Influent
			Visual Chk	Feet	Hours	Hours	GPM
Sun-7/1/18	3:05	(1)		5.0	-	24.00	489
Mon-7/2/18	3:00		Y	5.0	-	24.00	488
Tue-7/3/18	3:00		Y	5.0	-	24.00	488
Wed-7/4/18	3:00		Y	4.9	-	24.00	488
Thu-7/5/18	3:00		Y	4.9	-	24.00	488
Fri-7/6/18	3:00		Y	5.3	-	24.00	488
Sat-7/7/18	3:00	(1)		5.4	-	24.00	487
Sun-7/8/18	3:00	(1)		5.4	-	24.00	488
Mon-7/9/18	3:00		Y	5.4	-	24.00	487
Tue-7/10/18	3:00		Y	5.4	-	24.00	486
Wed-7/11/18	3:00		Y	5.3	-	24.00	487
Thu-7/12/18	3:00		Y	5.3	-	24.00	487
Fri-7/13/18	3:00		Y	5.3	-	24.00	487
Sat-7/14/18	3:00	(1)		5.3	-	24.00	487
Sun-7/15/18	3:00	(1)		5.2	-	24.00	487
Mon-7/16/18	3:00		Y	5.2	-	24.00	486
Tue-7/17/18	3:00		Y	5.2	-	24.00	481
Wed-7/18/18	3:00		Y	5.1	-	24.00	477
Thu-7/19/18	3:00		Y	5.1	-	24.00	477
Fri-7/20/18	3:00		Y	4.9	-	24.00	477
Sat-7/21/18	3:00	(1)		4.7	-	24.00	477
Sun-7/22/18	3:00	(1)		4.6	-	24.00	476
Mon-7/23/18	3:00		Y	4.4	-	24.00	476
Tue-7/24/18	3:00		Y	4.2	-	24.00	486
Wed-7/25/18	3:00		Y	4.3	-	24.00	492
Thu-7/26/18	3:00		Y	4.4	-	24.00	492
Fri-7/27/18	3:00		Y	4.5	-	24.00	492
Sat-7/28/18	3:00	(1)		4.5	-	24.00	488
Sun-7/29/18	3:00	(1)		4.5	-	24.00	492
Mon-7/30/18	3:00		Y	4.6	-	24.00	487
Tue-7/31/18	3:00		Y	4.6	-	24.00	492
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-07-02-18-07:30-1	7/2/2018	380
Red Pond-07-09-18-10:00-1	7/9/2018	380
Red Pond-07-16-18-08:25-1	7/16/2018	370
Red Pond-07-23-18-07:55-01	7/23/2018	420
Red Pond-07-30-18-07:50-1	7/30/2018	410

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

OZONE OPERATION REPORT

Month of: Jul-18

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-7/1/18	3:07 AM	(1)	239	24.00	0	0.00	240	24.00	0	0.00
Mon-7/2/18	3:00 AM		240	24.00	0	0.00	240	24.00	0	0.00
Tue-7/3/18	3:00 AM		240	24.00	0	0.00	241	24.00	0	0.00
Wed-7/4/18	3:00 AM		240	24.00	0	0.00	241	24.00	0	0.00
Thu-7/5/18	3:00 AM		240	24.00	0	0.00	240	24.00	0	0.00
Fri-7/6/18	3:00 AM		240	23.12	0	0.00	240	22.35	0	0.00
Sat-7/7/18	3:00 AM	(1)	240	24.00	0	0.00	240	24.00	0	0.00
Sun-7/8/18	3:00 AM	(1)	240	24.00	0	0.00	239	23.88	0	0.00
Mon-7/9/18	3:00 AM		240	24.00	0	0.00	240	24.00	0	0.00
Tue-7/10/18	3:00 AM		239	24.00	0	0.00	240	24.00	0	0.00
Wed-7/11/18	3:00 AM		240	24.00	0	0.00	241	24.00	0	0.00
Thu-7/12/18	3:00 AM		240	23.87	0	0.00	241	23.92	0	0.00
Fri-7/13/18	3:00 AM		240	24.00	0	0.00	240	24.00	0	0.00
Sat-7/14/18	3:00 AM	(1)	240	24.00	0	0.00	240	24.00	0	0.00
Sun-7/15/18	3:00 AM	(1)	240	24.00	0	0.00	240	24.00	0	0.00
Mon-7/16/18	3:00 AM		241	24.00	0	0.00	241	24.00	0	0.00
Tue-7/17/18	3:00 AM		240	24.00	0	0.00	240	24.00	0	0.00
Wed-7/18/18	3:00 AM		239	23.50	0	0.00	240	23.50	0	0.00
Thu-7/19/18	3:00 AM		240	24.00	0	0.00	241	24.00	0	0.00
Fri-7/20/18	3:00 AM		240	24.00	0	0.00	240	24.00	0	0.00
Sat-7/21/18	3:00 AM	(1)	240	24.00	0	0.00	239	24.00	0	0.00
Sun-7/22/18	3:00 AM	(1)	240	24.00	0	0.00	241	24.00	0	0.00
Mon-7/23/18	3:00 AM		240	24.00	0	0.00	239	24.00	0	0.00
Tue-7/24/18	3:00 AM		240	23.73	0	0.00	240	23.42	0	0.00
Wed-7/25/18	3:00 AM		240	24.00	0	0.00	240	24.00	0	0.00
Thu-7/26/18	3:00 AM		240	24.00	0	0.00	240	24.00	0	0.00
Fri-7/27/18	3:00 AM		240	24.00	0	0.00	240	24.00	0	0.00
Sat-7/28/18	3:00 AM	(1)	240	24.00	0	0.00	240	24.00	0	0.00
Sun-7/29/18	3:00 AM	(1)	240	24.00	0	0.00	240	24.00	0	0.00
Mon-7/30/18	3:00 AM		240	24.00	0	0.00	240	24.00	0	0.00
Tue-7/31/18	3:00 AM		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.

07/06/18 - System 2A was shut down briefly for maintenance.

TABLE #12

GREEN POND / DISCHARGE DATA

Month of: **Jul-18**

			Green Pond																	
Date	Time	Notes	Pond			Influent			Pond Discharge			Bypass Discharge			Recirc Thru UV to Pond			Recirc Thru UV to Disch		
			Visual Chk	Level Feet	Aeration Hours	Hours	GPM	GPM	Gallons	GPM	Gallons	Hours	GPM	Gallons	Hours	GPM	Gallons	Hours		
Sun-7/1/18	3:05 AM	(1)		-	-						498	717,145	24.00	-	-	-	-	-	-	
Mon-7/2/18	3:00 AM		Y	-	-						498	717,140	24.00	-	-	-	-	-	-	
Tue-7/3/18	3:00 AM		Y	-	-						498	717,058	24.00	-	-	-	-	-	-	
Wed-7/4/18	3:00 AM		Y	-	-						498	717,239	24.00	-	-	-	-	-	-	
Thu-7/5/18	3:00 AM		Y	-	-						498	702,348	23.50	-	-	-	-	-	-	
Fri-7/6/18	3:00 AM		Y	-	-						490	674,706	22.93	-	-	-	-	-	-	
Sat-7/7/18	3:00 AM	(1)		-	-						497	716,260	24.00	-	-	-	-	-	-	
Sun-7/8/18	3:00 AM	(1)		-	-						495	713,411	24.00	-	-	-	-	-	-	
Mon-7/9/18	3:00 AM		Y	-	-						498	716,653	24.00	-	-	-	-	-	-	
Tue-7/10/18	3:00 AM		Y	-	-						498	716,679	24.00	-	-	-	-	-	-	
Wed-7/11/18	3:00 AM		Y	-	-						498	716,587	24.00	-	-	-	-	-	-	
Thu-7/12/18	3:00 AM		Y	-	-						494	711,250	24.00	-	-	-	-	-	-	
Fri-7/13/18	3:00 AM		Y	-	-						498	716,712	24.00	-	-	-	-	-	-	
Sat-7/14/18	3:00 AM	(1)		-	-						498	716,642	24.00	-	-	-	-	-	-	
Sun-7/15/18	3:00 AM	(1)		-	-						498	716,797	24.00	-	-	-	-	-	-	
Mon-7/16/18	3:00 AM		Y	-	-						498	716,970	24.00	-	-	-	-	-	-	
Tue-7/17/18	3:00 AM		Y	-	-						498	716,657	24.00	-	-	-	-	-	-	
Wed-7/18/18	3:00 AM		Y	-	-						497	697,657	23.42	-	-	-	-	-	-	
Thu-7/19/18	3:00 AM		Y	-	-						497	715,687	24.00	-	-	-	-	-	-	
Fri-7/20/18	3:00 AM		Y	-	-						497	715,584	24.00	-	-	-	-	-	-	
Sat-7/21/18	3:00 AM	(1)		-	-						497	715,429	24.00	-	-	-	-	-	-	
Sun-7/22/18	3:00 AM	(1)		-	-						497	715,410	24.00	-	-	-	-	-	-	
Mon-7/23/18	3:00 AM		Y	-	-						497	715,567	24.00	-	-	-	-	-	-	
Tue-7/24/18	3:00 AM		Y	-	-						494	701,544	23.67	-	-	-	-	-	-	
Wed-7/25/18	3:00 AM		Y	-	-						498	716,749	24.00	-	-	-	-	-	-	
Thu-7/26/18	3:00 AM		Y	-	-						498	716,708	24.00	-	-	-	-	-	-	
Fri-7/27/18	3:00 AM		Y	-	-						498	716,483	24.00	-	-	-	-	-	-	
Sat-7/28/18	3:00 AM	(1)		-	-						498	716,519	24.00	-	-	-	-	-	-	
Sun-7/29/18	3:00 AM	(1)		-	-						498	716,550	24.00	-	-	-	-	-	-	
Mon-7/30/18	3:00 AM		Y	-	-						498	716,440	24.00	-	-	-	-	-	-	
Tue-7/31/18	3:00 AM		Y	-	-						497	716,310	24.00	-	-	-	-	-	-	
TOTALS												22,112,891	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.

TABLE #13
Daily Discharge Monitoring Report

	(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)
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
7/1/2018	0.717			5.2								6.8	
7/2/2018	0.717			4.2	0.380	<50	<0.16	Yes	Yes	6.9	6.9	6.3	38
7/3/2018	0.717			5.0		<50	<0.16	No	No	7.0	7.0	7.6	
7/4/2018	0.717			5.1								7.9	
7/5/2018	0.702			5.6		<50	<0.16	No	Yes	7.0	7.0	7.2	40
7/6/2018	0.675					<50	<0.16	No	No	6.5	6.5		
7/7/2018	0.716												
7/8/2018	0.713			6.0								7.3	
7/9/2018	0.717			5.6	0.380	<50	<0.16	Yes	Yes	6.9	6.9	6.1	50
7/10/2018	0.717			5.9		<50	<0.16	No	No	6.9	6.9	6.8	
7/11/2018	0.717			6.2		<50	<0.16	No	No	6.6	6.6	6.8	
7/12/2018	0.711			5.6		<50	<0.16	No	Yes	6.5	6.5	6.5	40
7/13/2018	0.717					<50	<0.16	No	No	6.5	6.5		
7/14/2018	0.717	240	1.428										
7/15/2018	0.717			5.2								7.3	
7/16/2018	0.717			5.3	0.370	<50	<0.16	Yes	Yes	6.6	6.6	7	15
7/17/2018	0.717			5.1		<50	<0.16	No	No	6.7	6.7	6.9	
7/18/2018	0.698			6.2		<50	<0.16	No	No	6.7	6.7	6.7	
7/19/2018	0.716			5.6		<50	<0.16	No	Yes	6.7	6.7	6.6	22
7/20/2018	0.716					<50	<0.16	No	No	6.7	6.7		
7/21/2018	0.715												
7/22/2018	0.715			5.0								7.1	
7/23/2018	0.716			5.3	0.420	<50	<0.16	Yes	Yes	6.6	6.6	6.8	22
7/24/2018	0.702			5.4		<50	<0.16	No	No	6.7	6.7	7.3	
7/25/2018	0.717			5.3		<50	<0.16	No	No	6.7	6.7	6.8	
7/26/2018	0.717			5.7		<50	<0.16	No	Yes	6.8	6.8	5.9	30
7/27/2018	0.716					<50	<0.16	No	No	6.9	6.9		
7/28/2018	0.717												
7/29/2018	0.717			6.2								<5.0	
7/30/2018	0.716			6.1	0.410	<50	<0.16	Yes	Yes	7.0	7.0	6.8	15
7/31/2018	0.716			5.5		<50	<0.16	No	No	6.8	6.8	6.5	
Discharged (mg)	22.113												
Monthly Avg				5.5								6.9	