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June 12, 2018

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

**Re: Monitoring Report # 253
May 1 – May 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 May 1 through May 31, 2018.

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 flourish extending to the right.

Lawrence J. Gelb
Sr. Director Global EHS

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

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Life Sciences

TABLE #1

UNIT D2 UPGRADIENT EXTRACTION DATA

Month of: May-18

Date	TW-21			Daily Flow	Daily Total
	TW-21			GPM	Gallons
	Gallons	GPM	Run Hrs.		
Tue-5/1/18	86,520	60	24.00	60	86,520
Wed-5/2/18	86,522	60	24.00	60	86,522
Thu-5/3/18	86,480	60	24.00	60	86,480
Fri-5/4/18	86,553	60	24.00	60	86,553
Sat-5/5/18	65,735	60	18.22	46	65,735
Sun-5/6/18	37,037	50	12.32	26	37,037
Mon-5/7/18	72,034	50	24.00	50	72,034
Tue-5/8/18	72,153	50	24.00	50	72,153
Wed-5/9/18	72,230	50	24.00	50	72,230
Thu-5/10/18	72,156	50	24.00	50	72,156
Fri-5/11/18	75,380	52	24.00	52	75,380
Sat-5/12/18	79,206	55	24.00	55	79,206
Sun-5/13/18	79,208	55	24.00	55	79,208
Mon-5/14/18	79,287	55	24.00	55	79,287
Tue-5/15/18	79,320	55	24.00	55	79,320
Wed-5/16/18	79,314	55	24.00	55	79,314
Thu-5/17/18	82,465	57	24.00	57	82,465
Fri-5/18/18	86,565	60	24.00	60	86,565
Sat-5/19/18	86,505	60	24.00	60	86,505
Sun-5/20/18	86,595	60	24.00	60	86,595
Mon-5/21/18	86,535	60	24.00	60	86,535
Tue-5/22/18	86,592	60	24.00	60	86,592
Wed-5/23/18	86,637	60	24.00	60	86,637
Thu-5/24/18	86,659	60	24.00	60	86,659
Fri-5/25/18	86,703	60	24.00	60	86,703
Sat-5/26/18	86,710	60	24.00	60	86,710
Sun-5/27/18	86,747	60	24.00	60	86,747
Mon-5/28/18	86,725	60	24.00	60	86,725
Tue-5/29/18	86,693	60	24.00	60	86,693
Wed-5/30/18	86,638	60	24.00	60	86,638
Thu-5/31/18	83,483	58	24.00	58	83,483
TOTALS	2,501,387	57	726.54	56	2,501,387

TOTAL VOLUME EXTRACTED :	2,501,387 GALLONS
DAYS IN MONTH :	31 DAYS
MONTHLY AVERAGE FLOW RATE :	56.03 GPM

05/05/18-05/06/18 - TW-21 was shut down to adjust the Pond level.

UNIT D2 DOWNGRADIENT EXTRACTION DATA

Month of: May-18

Date	LB-4			Daily	Daily
	Gallons	GPM	Run Hrs.	Flow GPM	Total Gallons
Tue-5/1/18	144,115	100	24.00	100	144,115
Wed-5/2/18	144,122	100	24.00	100	144,122
Thu-5/3/18	144,161	100	24.00	100	144,161
Fri-5/4/18	144,142	100	24.00	100	144,142
Sat-5/5/18	144,197	100	24.00	100	144,197
Sun-5/6/18	144,197	100	24.00	100	144,197
Mon-5/7/18	144,198	100	24.00	100	144,198
Tue-5/8/18	144,283	100	24.00	100	144,283
Wed-5/9/18	144,225	100	24.00	100	144,225
Thu-5/10/18	144,186	100	24.00	100	144,186
Fri-5/11/18	144,286	100	24.00	100	144,286
Sat-5/12/18	144,246	100	24.00	100	144,246
Sun-5/13/18	144,196	100	24.00	100	144,196
Mon-5/14/18	144,227	100	24.00	100	144,227
Tue-5/15/18	144,174	100	24.00	100	144,174
Wed-5/16/18	144,151	100	24.00	100	144,151
Thu-5/17/18	144,119	100	24.00	100	144,119
Fri-5/18/18	144,207	100	24.00	100	144,207
Sat-5/19/18	144,222	100	24.00	100	144,222
Sun-5/20/18	144,234	100	24.00	100	144,234
Mon-5/21/18	144,224	100	24.00	100	144,224
Tue-5/22/18	144,223	100	24.00	100	144,223
Wed-5/23/18	144,205	100	24.00	100	144,205
Thu-5/24/18	138,615	100	23.08	96	138,615
Fri-5/25/18	144,251	100	24.00	100	144,251
Sat-5/26/18	144,211	100	24.00	100	144,211
Sun-5/27/18	144,201	100	24.00	100	144,201
Mon-5/28/18	144,172	100	24.00	100	144,172
Tue-5/29/18	144,145	100	24.00	100	144,145
Wed-5/30/18	140,445	100	23.38	98	140,445
Thu-5/31/18	144,215	100	24.00	100	144,215
TOTALS	4,460,795	100	742.46	100	4,460,795

TOTAL VOLUME EXTRACTED :	4,460,795 GALLONS
DAYS IN MONTH :	31 DAYS
MONTHLY AVERAGE FLOW RATE :	99.93 GPM

CORE AREA EXTRACTION DATA

Month of: May-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
Tue-5/1/18	29,167	20	24.00	-	-	-	43,150	30	24.00	50	72,317
Wed-5/2/18	29,182	20	24.00	-	-	-	43,006	30	24.00	50	72,188
Thu-5/3/18	29,155	20	24.00	-	-	-	42,858	30	24.00	50	72,013
Fri-5/4/18	29,145	20	24.00	-	-	-	42,818	30	24.00	50	71,963
Sat-5/5/18	22,925	20	18.83	-	-	-	33,982	30	18.78	40	56,907
Sun-5/6/18	-	-	-	-	-	-	-	-	-	-	-
Mon-5/7/18	22,535	20	18.68	-	-	-	33,502	30	18.70	39	56,037
Tue-5/8/18	28,773	20	24.00	-	-	-	43,146	30	24.00	50	71,919
Wed-5/9/18	28,703	20	24.00	-	-	-	43,008	30	24.00	50	71,711
Thu-5/10/18	28,926	20	24.00	485	81	0.10	42,947	30	24.00	50	72,358
Fri-5/11/18	29,672	21	24.00	-	-	-	42,904	30	24.00	50	72,576
Sat-5/12/18	29,681	21	24.00	-	-	-	42,838	30	24.00	50	72,519
Sun-5/13/18	29,736	21	24.00	-	-	-	43,678	30	24.00	51	73,414
Mon-5/14/18	29,764	21	24.00	-	-	-	43,671	30	24.00	51	73,435
Tue-5/15/18	29,728	21	24.00	-	-	-	43,610	30	24.00	51	73,338
Wed-5/16/18	29,686	21	24.00	-	-	-	43,535	30	24.00	51	73,221
Thu-5/17/18	29,672	21	24.00	-	-	-	43,507	30	24.00	51	73,179
Fri-5/18/18	29,669	21	24.00	-	-	-	43,442	30	24.00	51	73,111
Sat-5/19/18	29,675	21	24.00	-	-	-	43,350	30	24.00	51	73,025
Sun-5/20/18	29,670	21	24.00	-	-	-	43,277	30	24.00	51	72,947
Mon-5/21/18	29,680	21	24.00	-	-	-	43,268	30	24.00	51	72,948
Tue-5/22/18	29,716	21	24.00	-	-	-	43,233	30	24.00	51	72,949
Wed-5/23/18	29,737	21	24.00	-	-	-	43,206	30	24.00	51	72,943
Thu-5/24/18	29,724	21	24.00	-	-	-	42,831	30	24.00	50	72,555
Fri-5/25/18	29,713	21	24.00	-	-	-	43,303	30	24.00	51	73,016
Sat-5/26/18	29,698	21	24.00	-	-	-	43,350	30	24.00	51	73,048
Sun-5/27/18	29,581	21	24.00	-	-	-	43,220	30	24.00	51	72,801
Mon-5/28/18	29,224	21	23.72	-	-	-	43,376	30	24.00	50	72,600
Tue-5/29/18	29,048	20	23.62	-	-	-	43,360	30	24.00	50	72,408
Wed-5/30/18	29,118	21	23.33	-	-	-	43,262	30	24.00	50	72,380
Thu-5/31/18	28,941	21	23.07	-	-	-	43,265	30	24.00	50	72,206
TOTALS	869,644	20	707.25	485	81	0.10	1,277,903	30	709.48	50	2,148,032

TOTAL VOLUME EXTRACTED :	2,148,032 GALLONS
DAYS IN MONTH :	31 DAYS
MONTHLY AVERAGE FLOW RATE :	48.12 GPM

05/05/18-05/07/18 - Dolph and TW-20 were shut down to adjust the Pond level.

MARSHY AREA EXTRACTION DATA

Month of: May-18

Marshy Well Extraction				Daily Flow	Daily Total
Date	PW-1 Gallons	GPM	Run Hrs.	GPM	Gallons
Tue-5/1/18	3,549	2	24.00	2	3,549
Wed-5/2/18	3,543	2	24.00	2	3,543
Thu-5/3/18	3,526	2	24.00	2	3,526
Fri-5/4/18	3,526	2	24.00	2	3,526
Sat-5/5/18	3,539	2	24.00	2	3,539
Sun-5/6/18	3,525	2	24.00	2	3,525
Mon-5/7/18	3,470	2	24.00	2	3,470
Tue-5/8/18	3,472	2	24.00	2	3,472
Wed-5/9/18	3,467	2	24.00	2	3,467
Thu-5/10/18	3,464	2	24.00	2	3,464
Fri-5/11/18	3,470	2	24.00	2	3,470
Sat-5/12/18	3,488	2	24.00	2	3,488
Sun-5/13/18	3,499	2	24.00	2	3,499
Mon-5/14/18	3,502	2	24.00	2	3,502
Tue-5/15/18	3,495	2	24.00	2	3,495
Wed-5/16/18	3,496	2	24.00	2	3,496
Thu-5/17/18	3,501	2	24.00	2	3,501
Fri-5/18/18	3,509	2	24.00	2	3,509
Sat-5/19/18	3,480	2	24.00	2	3,480
Sun-5/20/18	3,463	2	24.00	2	3,463
Mon-5/21/18	3,456	2	24.00	2	3,456
Tue-5/22/18	3,460	2	24.00	2	3,460
Wed-5/23/18	3,442	2	24.00	2	3,442
Thu-5/24/18	3,391	2	24.00	2	3,391
Fri-5/25/18	3,386	2	24.00	2	3,386
Sat-5/26/18	3,365	2	24.00	2	3,365
Sun-5/27/18	3,455	2	24.00	2	3,455
Mon-5/28/18	3,512	2	24.00	2	3,512
Tue-5/29/18	3,504	2	24.00	2	3,504
Wed-5/30/18	3,472	2	24.00	2	3,472
Thu-5/31/18	3,368	2	24.00	2	3,368
TOTALS	107,795	2	744.00	2	107,795

TOTAL VOLUME EXTRACTED :	107,795 GALLONS
DAYS IN MONTH :	31 DAYS
MONTHLY AVERAGE FLOW RATE :	2.41 GPM

SOUTHWEST AREA EXTRACTION DATA

Month of: **May-18**

SouthWest Well Extraction				Daily	Daily
Date	ACTIVE WELLS			Flow	Total
	Gallons	GPM	Run Hrs.	GPM	Gallons
Tue-5/1/18	20,383	14	24.00	14	20,383
Wed-5/2/18	20,407	14	24.00	14	20,407
Thu-5/3/18	20,401	14	24.00	14	20,401
Fri-5/4/18	20,378	14	24.00	14	20,378
Sat-5/5/18	15,330	11	24.00	11	15,330
Sun-5/6/18	772	<2	24.00	<2	772
Mon-5/7/18	17,125	12	24.00	12	17,125
Tue-5/8/18	20,771	14	24.00	14	20,771
Wed-5/9/18	20,774	14	24.00	14	20,774
Thu-5/10/18	20,777	14	24.00	14	20,777
Fri-5/11/18	20,805	14	24.00	14	20,805
Sat-5/12/18	20,808	14	24.00	14	20,808
Sun-5/13/18	20,815	14	24.00	14	20,815
Mon-5/14/18	20,814	14	24.00	14	20,814
Tue-5/15/18	20,800	14	24.00	14	20,800
Wed-5/16/18	20,792	14	24.00	14	20,792
Thu-5/17/18	20,771	14	24.00	14	20,771
Fri-5/18/18	20,783	14	24.00	14	20,783
Sat-5/19/18	20,750	14	24.00	14	20,750
Sun-5/20/18	20,735	14	24.00	14	20,735
Mon-5/21/18	20,740	14	24.00	14	20,740
Tue-5/22/18	20,716	14	24.00	14	20,716
Wed-5/23/18	20,688	14	24.00	14	20,688
Thu-5/24/18	20,691	14	24.00	14	20,691
Fri-5/25/18	20,669	14	24.00	14	20,669
Sat-5/26/18	20,639	14	24.00	14	20,639
Sun-5/27/18	20,574	14	24.00	14	20,574
Mon-5/28/18	20,529	14	24.00	14	20,529
Tue-5/29/18	20,474	14	24.00	14	20,474
Wed-5/30/18	20,480	14	24.00	14	20,480
Thu-5/31/18	20,442	14	24.00	14	20,442
TOTALS	611,633	14	744.00	14	611,633

TOTAL VOLUME EXTRACTED :	611,633 GALLONS
DAYS IN MONTH :	31 DAYS
MONTHLY AVERAGE FLOW RATE :	13.70 GPM

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

05/06/18 - Flow was low on SW extraction due to a power interruption.

UNIT "E" EXTRACTION DATA

Month of: May-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
Tue-5/1/18	233,719	162	24.00	44,309	31	24.00	99,301	69	24.00	262	377,329
Wed-5/2/18	233,726	162	24.00	44,263	31	24.00	99,185	69	24.00	262	377,174
Thu-5/3/18	233,733	162	24.00	44,224	31	24.00	99,278	69	24.00	262	377,235
Fri-5/4/18	233,531	162	24.00	44,198	31	24.00	99,237	69	24.00	262	376,966
Sat-5/5/18	182,983	162	18.78	44,177	31	24.00	99,172	69	24.00	227	326,332
Sun-5/6/18	-	-	-	44,157	31	24.00	99,183	69	24.00	100	143,340
Mon-5/7/18	181,958	162	18.70	44,184	31	24.00	99,211	69	24.00	226	325,353
Tue-5/8/18	233,611	162	24.00	44,175	31	24.00	99,189	69	24.00	262	376,975
Wed-5/9/18	233,666	162	24.00	44,139	31	24.00	99,146	69	24.00	262	376,951
Thu-5/10/18	233,582	162	24.00	44,123	31	24.00	99,180	69	24.00	262	376,885
Fri-5/11/18	233,627	162	24.00	44,137	31	24.00	99,213	69	24.00	262	376,977
Sat-5/12/18	233,651	162	24.00	44,189	31	24.00	99,221	69	24.00	262	377,061
Sun-5/13/18	233,542	162	24.00	44,002	31	24.00	99,125	69	24.00	262	376,669
Mon-5/14/18	232,981	162	23.98	43,947	31	24.00	99,267	69	24.00	261	376,195
Tue-5/15/18	233,626	162	24.00	43,904	30	24.00	99,183	69	24.00	262	376,713
Wed-5/16/18	233,689	162	24.00	43,862	30	24.00	99,198	69	24.00	262	376,749
Thu-5/17/18	233,686	162	24.00	43,829	30	24.00	99,147	69	24.00	262	376,662
Fri-5/18/18	233,652	162	24.00	43,796	30	24.00	99,185	69	24.00	262	376,633
Sat-5/19/18	233,579	162	24.00	43,799	30	24.00	99,259	69	24.00	262	376,637
Sun-5/20/18	233,708	162	24.00	43,795	30	24.00	99,193	69	24.00	262	376,696
Mon-5/21/18	233,723	162	24.00	43,799	30	24.00	99,207	69	24.00	262	376,729
Tue-5/22/18	233,594	162	24.00	43,827	30	24.00	99,211	69	24.00	262	376,632
Wed-5/23/18	233,571	162	24.00	43,801	30	24.00	99,163	69	24.00	261	376,535
Thu-5/24/18	233,705	162	24.00	42,946	31	23.00	94,855	69	23.00	258	371,506
Fri-5/25/18	233,725	162	24.00	45,039	31	24.00	99,160	69	24.00	262	377,924
Sat-5/26/18	233,701	162	24.00	45,032	31	24.00	99,170	69	24.00	262	377,903
Sun-5/27/18	233,808	162	24.00	44,981	31	24.00	99,196	69	24.00	262	377,985
Mon-5/28/18	233,970	162	24.00	44,910	31	24.00	99,270	69	24.00	263	378,150
Tue-5/29/18	234,060	163	24.00	44,841	31	24.00	99,337	69	24.00	263	378,238
Wed-5/30/18	234,049	163	24.00	43,370	31	23.30	96,115	69	23.30	259	373,534
Thu-5/31/18	231,300	161	24.00	44,623	31	24.00	99,142	69	24.00	260	375,065
TOTALS	6,905,456	162	709.47	1,368,378	31	742.30	3,067,899	69	742.30	254	11,341,733

TOTAL VOLUME EXTRACTED :	11,341,733 GALLONS
DAYS IN MONTH :	31 DAYS
MONTHLY AVERAGE FLOW RATE :	254.07 GPM

05/05/18-05/07/18 - TW-18 was shut down to adjust the Pond level.
 05/24/18 - TW-19 and TW-23 were shut down briefly for maintenance.

TABLE #7

Little Lake Area System

MW-53i	
Date	1,4-Dioxane ug/L
02/06/18	30
03/07/18	32
04/03/18	34
05/09/18	57

A2 Cleaning Supply	
Date	1,4-Dioxane ug/L
02/13/18	69
03/08/18	82
04/04/18	84
05/08/18	82

TABLE #8

INDIVIDUAL PURGE WELL CONCENTRATIONS

SAMPLE ID	Date Sampled	1,4-DIOXANE (ppb)
DOLPH-05-07-18-09:50-1	05/07/18	130
TW-10-05-10-18-11:10-1	05/10/18	280
TW-20-05-07-18-14:02-1	05/07/18	1000
LB-4-05-07-18-09:26-1	05/07/18	490
TW-21-05-07-18-09:47-1	05/07/18	220
TW-18-05-07-18-13:56-1	05/07/18	290
TW-19-05-07-18-11:55-1	05/07/18	520
TW-23-05-07-18-11:53-1	05/07/18	500
PW-1-05-07-18-13:53-1	05/07/18	540
TW-22-05-09-18-11:02-1	05/09/18	420
TW-8-05-09-18-11:00-1	05/09/18	780

RED POND DATA

Month of: May-18

			Red Pond				
Date	Time	Notes	Pond	Level	Aeration	Influent	Influent
			Visual Chk	Feet	Hours	Hours	GPM
Tue-5/1/18	3:05		Y	4.9	-	24.00	489
Wed-5/2/18	3:00		Y	4.9	-	24.00	489
Thu-5/3/18	3:00		Y	5.0	-	24.00	489
Fri-5/4/18	3:00		Y	5.2	-	24.00	489
Sat-5/5/18	3:00	(1)		5.2	-	24.00	425
Sun-5/6/18	3:00	(1)		5.3	-	24.00	228
Mon-5/7/18	3:00		Y	5.1	-	24.00	429
Tue-5/8/18	3:00		Y	5.3	-	24.00	479
Wed-5/9/18	3:00		Y	5.2	-	24.00	479
Thu-5/10/18	3:00		Y	5.1	-	24.00	479
Fri-5/11/18	3:00		Y	4.9	-	24.00	482
Sat-5/12/18	3:00	(1)		5.0	-	24.00	484
Sun-5/13/18	3:00	(1)		5.0	-	24.00	485
Mon-5/14/18	3:00		Y	5.0	-	24.00	484
Tue-5/15/18	3:00		Y	5.0	-	24.00	485
Wed-5/16/18	3:00		Y	5.0	-	24.00	485
Thu-5/17/18	3:00		Y	4.9	-	24.00	487
Fri-5/18/18	3:00		Y	4.8	-	24.00	489
Sat-5/19/18	3:00	(1)		4.9	-	24.00	489
Sun-5/20/18	3:00	(1)		4.9	-	24.00	489
Mon-5/21/18	3:00		Y	4.9	-	24.00	489
Tue-5/22/18	3:00		Y	5.0	-	24.00	489
Wed-5/23/18	3:00		Y	5.0	-	24.00	489
Thu-5/24/18	3:00		Y	5.1	-	24.00	482
Fri-5/25/18	3:00		Y	4.9	-	24.00	490
Sat-5/26/18	3:00	(1)		5.0	-	24.00	490
Sun-5/27/18	3:00	(1)		5.0	-	24.00	490
Mon-5/28/18	3:00	(1)		5.0	-	24.00	490
Tue-5/29/18	3:00		Y	5.8	-	24.00	490
Wed-5/30/18	3:00		Y	5.8	-	24.00	484
Thu-5/31/18	3:00		Y	5.8	-	24.00	485
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-05-07-18-08:45-1	5/7/2018	450
Red Pond-05-14-18-09:15-1	5/14/2018	360
Red Pond-05-29-18-08:10-1	5/29/2018	390

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

OZONE OPERATION REPORT

Month of: May-18

Dnfe	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-5/1/18	3:07 AM		240	24.00	0	0.00	240	24.00	0	0.00
Wed-5/2/18	3:00 AM		239	24.00	0	0.00	240	24.00	0	0.00
Thu-5/3/18	3:00 AM		240	24.00	0	0.00	241	24.00	0	0.00
Fri-5/4/18	3:00 AM		240	24.00	0	0.00	241	24.00	0	0.00
Sat-5/5/18	3:00 AM	(1)	240	16.93	0	0.00	240	22.88	0	0.00
Sun-5/6/18	3:00 AM	(1)	0	0.00	0	0.00	240	23.90	0	0.00
Mon-5/7/18	3:00 AM		0	18.08	0	0.00	240	23.85	0	0.00
Tue-5/8/18	3:00 AM		240	24.00	0	0.00	240	23.85	0	0.00
Wed-5/9/18	3:00 AM		239	24.00	0	0.00	240	24.00	0	0.00
Thu-5/10/18	3:00 AM		240	24.00	0	0.00	240	24.00	0	0.00
Fri-5/11/18	3:00 AM		240	24.00	0	0.00	241	24.00	0	0.00
Sat-5/12/18	3:00 AM	(1)	240	24.00	0	0.00	241	24.00	0	0.00
Sun-5/13/18	3:00 AM	(1)	240	24.00	0	0.00	240	24.00	0	0.00
Mon-5/14/18	3:00 AM		240	24.00	0	0.00	240	24.00	0	0.00
Tue-5/15/18	3:00 AM		240	24.00	0	0.00	239	24.00	0	0.00
Wed-5/16/18	3:00 AM		240	24.00	0	0.00	240	24.00	0	0.00
Thu-5/17/18	3:00 AM		240	24.00	0	0.00	240	24.00	0	0.00
Fri-5/18/18	3:00 AM		239	24.00	0	0.00	241	24.00	0	0.00
Sat-5/19/18	3:00 AM	(1)	240	24.00	0	0.00	240	24.00	0	0.00
Sun-5/20/18	3:00 AM	(1)	240	24.00	0	0.00	241	24.00	0	0.00
Mon-5/21/18	3:00 AM		240	24.00	0	0.00	240	24.00	0	0.00
Tue-5/22/18	3:00 AM		240	24.00	0	0.00	240	24.00	0	0.00
Wed-5/23/18	3:00 AM		240	23.92	0	0.00	241	23.92	0	0.00
Thu-5/24/18	3:00 AM		240	24.00	0	0.00	240	24.00	0	0.00
Fri-5/25/18	3:00 AM		240	24.00	0	0.00	240	24.00	0	0.00
Sat-5/26/18	3:00 AM	(1)	240	24.00	0	0.00	240	24.00	0	0.00
Sun-5/27/18	3:00 AM	(1)	240	24.00	0	0.00	240	24.00	0	0.00
Mon-5/28/18	3:00 AM		240	20.95	0	0.00	240	21.97	0	0.00
Tue-5/29/18	3:00 AM		239	24.00	0	0.00	240	24.00	0	0.00
Wed-5/30/18	3:00 AM		239	23.73	0	0.00	240	23.88	0	0.00
Thu-5/31/18	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.

05/05/18-05/07/18 - System 1A was shut down for maintenance.

05/05/18 - System 2A was shut down briefly for maintenance.

05/28/18 - Treatment was shut down briefly for maintenance.

TABLE #12

GREEN POND / DISCHARGE DATA

Month of: **May-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	
Tue-5/1/18	3:05 AM		Y	-	-	-	-	-	-	497	715,517	24.00	-	-	-	-	-	-	
Wed-5/2/18	3:00 AM		Y	-	-	-	-	-	-	497	715,764	24.00	-	-	-	-	-	-	
Thu-5/3/18	3:00 AM		Y	-	-	-	-	-	-	497	715,699	24.00	-	-	-	-	-	-	
Fri-5/4/18	3:00 AM		Y	-	-	-	-	-	-	497	715,847	24.00	-	-	-	-	-	-	
Sat-5/5/18	3:00 AM	(1)		-	-	-	-	-	-	433	592,181	22.80	-	-	-	-	-	-	
Sun-5/6/18	3:00 AM	(1)		-	-	-	-	-	-	248	356,594	24.00	-	-	-	-	-	-	
Mon-5/7/18	3:00 AM		Y	-	-	-	-	-	-	435	621,156	23.78	-	-	-	-	-	-	
Tue-5/8/18	3:00 AM		Y	-	-	-	-	-	-	494	711,831	24.00	-	-	-	-	-	-	
Wed-5/9/18	3:00 AM		Y	-	-	-	-	-	-	497	715,385	24.00	-	-	-	-	-	-	
Thu-5/10/18	3:00 AM		Y	-	-	-	-	-	-	497	715,280	24.00	-	-	-	-	-	-	
Fri-5/11/18	3:00 AM		Y	-	-	-	-	-	-	496	714,657	24.00	-	-	-	-	-	-	
Sat-5/12/18	3:00 AM	(1)		-	-	-	-	-	-	496	714,481	24.00	-	-	-	-	-	-	
Sun-5/13/18	3:00 AM	(1)		-	-	-	-	-	-	496	714,782	24.00	-	-	-	-	-	-	
Mon-5/14/18	3:00 AM		Y	-	-	-	-	-	-	497	715,156	24.00	-	-	-	-	-	-	
Tue-5/15/18	3:00 AM		Y	-	-	-	-	-	-	497	715,179	24.00	-	-	-	-	-	-	
Wed-5/16/18	3:00 AM		Y	-	-	-	-	-	-	497	715,237	24.00	-	-	-	-	-	-	
Thu-5/17/18	3:00 AM		Y	-	-	-	-	-	-	497	715,431	24.00	-	-	-	-	-	-	
Fri-5/18/18	3:00 AM		Y	-	-	-	-	-	-	497	715,418	24.00	-	-	-	-	-	-	
Sat-5/19/18	3:00 AM	(1)		-	-	-	-	-	-	497	715,447	24.00	-	-	-	-	-	-	
Sun-5/20/18	3:00 AM	(1)		-	-	-	-	-	-	497	715,221	24.00	-	-	-	-	-	-	
Mon-5/21/18	3:00 AM		Y	-	-	-	-	-	-	497	715,236	24.00	-	-	-	-	-	-	
Tue-5/22/18	3:00 AM		Y	-	-	-	-	-	-	497	715,386	24.00	-	-	-	-	-	-	
Wed-5/23/18	3:00 AM		Y	-	-	-	-	-	-	493	710,548	24.00	-	-	-	-	-	-	
Thu-5/24/18	3:00 AM		Y	-	-	-	-	-	-	497	715,802	24.00	-	-	-	-	-	-	
Fri-5/25/18	3:00 AM		Y	-	-	-	-	-	-	497	715,995	24.00	-	-	-	-	-	-	
Sat-5/26/18	3:00 AM	(1)		-	-	-	-	-	-	497	716,097	24.00	-	-	-	-	-	-	
Sun-5/27/18	3:00 AM	(1)		-	-	-	-	-	-	498	716,412	24.00	-	-	-	-	-	-	
Mon-5/28/18	3:00 AM		Y	-	-	-	-	-	-	488	631,233	21.55	-	-	-	-	-	-	
Tue-5/29/18	3:00 AM		Y	-	-	-	-	-	-	497	715,475	24.00	-	-	-	-	-	-	
Wed-5/30/18	3:00 AM		Y	-	-	-	-	-	-	491	706,413	24.00	-	-	-	-	-	-	
Thu-5/31/18	3:00 AM		Y	-	-	-	-	-	-	497	715,864	24.00	-	-	-	-	-	-	
TOTALS																			

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
5/1/2018	0.716	*G	*G	5.0		<50	<0.16	no	no	6.8	6.8	8.2	40
5/2/2018	0.716			5.0		<50	<0.16	no	no	6.8	6.8	7.6	
5/3/2018	0.716			5.0		<50	<0.16	no	yes	6.7	6.7	7.5	40
5/4/2018	0.716					<50	<0.16	no	no	6.8	6.8		
5/5/2018	0.592												
5/6/2018	0.357			6.6								7.5	
5/7/2018	0.621			6.7	0.450	<50	<0.16	yes	yes	6.8	6.8	8.9	42
5/8/2018	0.712			5.9		<50	<0.16	no	no	6.8	6.8	8.4	
5/9/2018	0.715			6.5		<50	<0.16	no	no	6.8	6.8	8.3	
5/10/2018	0.715			4.0		<50	<0.16	no	yes	6.9	6.9	7.0	50
5/11/2018	0.715					<50	<0.16	no	no	6.9	6.9		
5/12/2018	0.714												
5/13/2018	0.715			5.0								7.6	
5/14/2018	0.715			5.3	0.360	<50	<0.16	yes	yes	6.8	6.8	6.4	50
5/15/2018	0.715			5.5		<50	<0.16	no	no	6.8	6.8	6.0	
5/16/2018	0.715			5.4		<50	<0.16	no	no	6.8	6.8	6.9	
5/17/2018	0.715			6.0		<50	<0.16	no	yes	6.8	6.8	7.7	35
5/18/2018	0.715					<50	<0.16	no	no	6.8	6.8		
5/19/2018	0.715												
5/20/2018	0.715			5.0								7.1	
5/21/2018	0.715			6.0		<50	<0.16	yes	yes	6.8	6.8	8.6	40
5/22/2018	0.715			6.0		<50	<0.16	no	no	6.8	6.8	8.1	
5/23/2018	0.711			5.0		<50	<0.16	no	no	6.8	6.8	5.6	
5/24/2018	0.716			5.0		<50	<0.16	no	yes	6.8	6.8	7.3	30
5/25/2018	0.716					<50	<0.16	no	no	6.7	6.7		
5/26/2018	0.716												
5/27/2018	0.716			6.0								7.8	
5/28/2018	0.631			6.0								7.8	
5/29/2018	0.715			5.0	0.390	<50	<0.16	yes	yes	6.6	6.6	6.6	60
5/30/2018	0.706			5.0		<50	<0.16	no	no	6.7	6.7	7.4	
5/31/2018	0.716			6.0		<50	<0.16	no	no	6.7	6.7	8.0	70
Discharged (mg)	21.501												
Monthly Avg				5.5								7.5	