

BEFORE THE ILLINOIS POLLUTION CONTROL BOARD

IN THE MATTER OF:)	
)	
Petition of Emerald Polymer)	
)	AS 19-002
Additives, LLC for an Adjusted)	
)	(Adjusted Standard)
Standard from 35 Ill. Adm. Code)	
)	
304.122(b))	

NOTICE OF ELECTRONIC FILING

TO: Persons Identified on the Attached Certificate of Service

PLEASE TAKE NOTICE that I have today electronically filed with the Office of the Clerk of the Illinois Pollution Control Board this **Notice of Electronic Filing** and the exhibits listed below, copies of which are attached herewith and served upon you. **Emerald Polymer Additives, LLC, hereby withdraws Petitioner’s Hearing Exhibit 3 and substitutes it with Petitioner’s Hearing Exhibit 14.**

Exhibit 13 – Henry Plant DMRs for July-December 2019; and

Exhibit 14 – Updated Summary of Ammonia Samples

Respectfully submitted,

Emerald Polymer Additives LLC

Date: January 9, 2019

By: /s/ Thomas W. Dimond
One of Its Attorneys

Thomas W. Dimond
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CERTIFICATE OF SERVICE

I, the undersigned, certify that on January 9, 2019, I have served the attached Notice of Electronic Filing, along with Petitioner's Hearing Exhibit 13 and Petitioner's Hearing Exhibit 14, upon the following persons by electronic mail:

Rex L. Gradeless, #6303411
Division of Legal Counsel
Illinois Environmental Protection Agency
1021 North Grand Avenue East
P.O. Box 19276
Springfield, IL 62794-9276
Rex.Gradeless@Illinois.gov

Don Brown, Clerk, Illinois Pollution Control Board
James R. Thompson Center
100 W. Randolph, Suite 11-500
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Carol Webb, Hearing Office, Illinois Pollution Control Board
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/s/ Thomas W. Dimond

DMR Support Data - Plant Effluent

Electronic Filing: Received, Clerk's Office 01/09/2020
Start Date: 7/1/2019 **End Date:** 11/30/2019

Date	MeCL2 (ug/l)	Chloroform (ug/l)	Toluene (ug/l)	Vinyl Chloride (ug/L)	Fecal Coliform (#/100 mL)	Ammonia (mg/L)	Phenol (mg/L)	Residual Chlorine (parts/MM)	Total Nitrogen (mg/l)	tBOD (mg/l)	TSS (mg/l)	Plant Effluent Flow (gpm)	Amonnia Load (#/day)	Total Nitrogen (#/day)	tBOD Load (#/day)	TSS Load (#/day)	pH	Temp. (*F)	Diffuser Ammonia (mg/l)	IEPA TSS (mg/l)	IEPA Ammonia (mg/l)	IEPA BOD (mg/l)
7/1/2019	4.80					15.00				5.00	12.00	435.31	78.36		26.12	62.68	8.28	84.00				
7/2/2019					20.00	22.00			80.00	4.00	12.00	412.85	108.99	396.34	19.82	59.45	8.10	86.00				
7/3/2019						28.00			88.00	11.00	13.00	402.86	135.36	425.42	53.18	62.85	7.53	86.00				
7/4/2019						32.00				4.00	8.00	404.99	155.52		19.44	38.88	7.69	86.00				
7/5/2019												405.09					7.54	84.00				
7/6/2019												374.01					7.22	86.00				
7/7/2019						13.00				5.00	15.00	376.71	58.77		22.60	67.81	7.19	84.00				
7/8/2019						15.00				4.00	4.80	374.51	67.41		17.98	21.57	7.00	82.00				
7/9/2019						24.00				16.00	4.00	406.35	117.03		78.02	19.50	7.23	84.00				
7/10/2019						37.00			72.00	4.00	5.20	461.09	204.72	398.38	22.13	28.77	7.42	86.00				
7/11/2019						39.00				4.00	12.00	479.02	224.18		22.99	68.98	7.94	86.00				
7/12/2019												481.25					7.99	84.00				
7/13/2019												486.24					7.56	88.00				
7/14/2019						36.00				4.00	7.20	419.71	181.31		20.15	36.26	7.44	90.00				
7/15/2019						37.00				4.10	4.00	359.71	159.71		17.70	17.27	7.55	86.00				
7/16/2019						42.00			81.00	4.00	4.80	391.29	197.21	380.33	18.78	22.54	7.48	86.00				
7/17/2019						51.00				4.00	7.20	446.27	273.12		21.42	38.56	7.36	86.00				
7/18/2019						60.00				4.00	10.00	500.89	360.64		24.04	60.11	7.33	86.00				
7/19/2019												501.98					7.26	88.00				
7/20/2019												450.56					7.58	88.00				
7/21/2019						57.00				12.00	14.00	455.35	311.46		65.57	76.50	7.56	88.00				
7/22/2019						52.00				5.10	9.20	422.67	263.75		25.87	46.66	7.76	86.00				
7/23/2019						49.00			64.00	10.00	8.80	457.07	268.76	351.03	54.85	48.27	7.58	85.00				
7/24/2019						39.00				7.10	9.20	414.26	193.87		35.29	45.73	7.59	84.00				
7/25/2019						37.00				8.20	34.00	423.52	188.04		41.67	172.80	7.60	81.00				
7/26/2019												391.69					7.94	82.00				

PETITIONER'S HEARING EXHIBIT
AS 19-002
13

Date	Value 1	Value 2	Value 3	Value 4	Value 5	Value 6	Value 7	Value 8	Value 9	Value 10	Value 11		
7/27/2019										7.98	82.00		
Electronic Filing: Received, Clerk's Office 01/09/2020													
7/28/2019		18.00		4.00	4.00	430.04	92.89		20.64	20.64	7.86	83.00	
7/29/2019		13.00		4.00	7.20	412.35	64.33		19.79	35.63	7.94	84.00	
7/30/2019		13.00	70.00	4.00	7.60	409.13	63.82	343.67	19.64	37.31	7.92	82.00	
7/31/2019		18.00		12.00	4.00	316.68	68.40		45.60	15.20	7.48	82.00	
8/1/2019		24.00		4.00	7.20	425.25	122.47		20.41	36.74	7.34	82.00	
8/2/2019						455.38							
8/3/2019						374.90					7.50	84.00	
8/4/2019		46.00		5.90	4.00	430.04	237.38		30.45	20.64	7.46	84.00	
8/5/2019	1.90	50.00		9.10	6.80	430.50	258.30		47.01	35.13	7.33	85.00	
8/6/2019		225.00	56.00	100.00	4.30	4.00	452.82	304.30	543.38	23.37	21.74	7.37	84.00
8/7/2019		58.00		4.30	4.00	454.12	316.07		23.43	21.80	8.05	83.00	
8/8/2019		68.00		4.40	5.60	443.09	361.56		23.40	29.78	8.02	83.00	
8/9/2019						408.15					7.61	77.00	
8/10/2019						467.98					7.56	79.00	
8/11/2019													
8/12/2019													
8/13/2019													
8/14/2019													
8/15/2019													
8/16/2019													
8/17/2019											7.46	79.00	
8/18/2019		42.00		11.00	13.00	205.00	103.32		27.06	31.98	7.39	79.00	
8/19/2019		37.00		19.00	7.60	200.00	88.80		45.60	18.24	6.94	79.00	
8/20/2019		40.00	52.00	21.00	7.20	220.00	105.60	137.28	55.44	19.01	7.57	73.00	
8/21/2019		40.00		9.20	4.00	245.00	117.60		27.05	11.76	7.52	77.00	
8/22/2019		43.00		5.60	4.00	305.00	157.38		20.50	14.64	7.44	77.00	
8/23/2019						330.00					7.41	79.00	
8/24/2019						390.00					8.15	78.00	
8/25/2019		56.00		4.00	4.40	390.00	262.08		18.72	20.59	8.15	77.00	

Date	Time	Rate	Amount	Category	Sub-Category	Sub-Category	Sub-Category	Sub-Category	Sub-Category	Sub-Category	Sub-Category	Sub-Category	
8/26/2019		58.00											
Electronic Filing Received, Clerk's Office 01/09/2020													
8/27/2019		58.00	56.00	4.00	5.60	425.00	295.80	285.60	20.40	28.56	8.03	81.00	
8/28/2019		63.00	63.00	6.40	4.40	440.00	332.64	332.64	33.79	23.23	7.56	79.00	
8/29/2019		59.00		4.00	4.00	470.00	332.76		22.56	22.56	7.73	79.00	
8/30/2019						460.00					7.58	79.00	
8/31/2019						382.00					7.52	78.00	
9/1/2019		64.00		8.00	5.20	385.00	295.68		36.96	24.02	7.54	76.00	
9/2/2019	0.80	33.00											
9/2/2019		64.00		5.20	7.60	289.60	222.41		18.07	26.41	7.42	77.00	
9/3/2019		63.00	214.00	78.00	9.70	4.80	252.56	190.94	236.40	29.40	14.55	7.47	79.00
9/4/2019		73.00			9.00	11.00	399.05	349.57		43.10	52.67	8.10	78.00
9/5/2019		65.00			4.70	6.40	378.04	294.87		21.32	29.03	8.00	80.00
9/6/2019							382.80					8.05	81.00
9/7/2019							352.75					7.12	78.00
9/8/2019		56.00			6.70	4.00	364.34	244.84		29.29	17.49	7.15	78.00
9/9/2019		50.00			7.60	4.00	371.11	222.67		33.85	17.81	7.62	78.00
9/10/2019		44.00		66.00	10.00	5.20	354.46	187.15	280.73	42.54	22.12	7.55	80.00
9/11/2019		44.00		64.00	14.00	4.00	354.52	187.19	272.27	59.56	17.02	7.50	82.00
9/12/2019		36.00			8.40	4.00	348.89	150.72		35.17	16.75	7.34	80.00
9/13/2019							402.23					7.34	81.00
9/14/2019							433.21					7.41	79.00
9/15/2019		31.00			12.00	4.00	445.64	165.78		64.17	21.39	7.55	77.00
9/16/2019		25.00			10.00	4.00	447.22	134.17		53.67	21.47	7.63	79.00
9/17/2019		22.00			18.00	4.00	409.31	108.06		88.41	19.65	7.49	79.00
9/18/2019		12.00			11.00	4.00	316.24	45.54		41.74	15.18	7.43	79.00
9/19/2019		7.20			4.20	4.00	420.54	36.33		21.20	20.19	7.37	81.00
9/20/2019							438.98					7.33	78.00
9/21/2019							507.20					7.86	80.00
9/22/2019		0.30			7.80	4.00	456.79	1.64		42.76	21.93	7.96	80.00
9/23/2019		0.30			14.00	4.00	445.97	1.61		74.92	21.41	8.10	77.00
9/24/2019		0.30		34.00	6.90	4.00	482.18	1.74	196.73	39.92	23.14	7.94	75.00

Date	Rate	Amount	Category 1	Category 2	Category 3	Category 4	Category 5	Category 6	Category 7	Category 8	Category 9	Category 10
9/25/2019	0.30		18.00	4.00	469.88	1.69	101.48	22.55	7.40	75.00		
9/26/2019	0.30		6.80	4.00	457.63	1.65	37.34	21.97	7.30	74.00		
9/27/2019					543.04				7.46	78.00		
9/28/2019					457.42				7.20	76.00		
9/29/2019	0.30		7.10	5.20	452.78	1.63	38.58	28.25	7.10	75.00		
9/30/2019	0.30		9.40	8.00	449.39	1.62	50.69	43.14	7.04	75.00		
10/1/2019	0.30	37.00	6.20	5.20	476.85	1.72	211.72	35.48	29.76	6.98	77.00	
10/2/2019	0.30		7.10	4.40	501.47	1.81	42.73	26.48	7.90	79.00		
10/3/2019	0.75		4.80	6.40	513.86	4.62	29.60	39.46	6.89	75.00		
10/4/2019					497.64				7.69	72.00		
10/5/2019					447.08				7.04	70.00		
10/6/2019	0.69		4.00	7.20	382.54	3.17	18.36	33.05	7.27	70.00		
10/7/2019	1.30		5.00	4.40	385.82	16.20	23.15	20.37	7.17	72.00		
10/8/2019		12.20	6.60	4.00	444.53	35.21	357.40	21.34	21.34	7.28	74.00	
10/9/2019		10.00	5.60	4.00	437.82	52.54	29.42	21.02	7.02	75.00		
10/10/2019		14.00	4.00	4.00	428.85	72.05	20.58	20.58	7.12	74.00		
10/11/2019					445.69				7.17	77.00		
10/12/2019					419.73				7.51	70.00		
10/13/2019	16.00		4.80	6.80	395.36	75.91	22.77	32.26	7.29	70.00		
10/14/2019	16.00	87.00	4.00	6.00	387.50	74.40	404.55	18.60	27.90	7.37	72.00	
10/15/2019	15.00	89.00	5.00	6.40	436.31	78.54	465.98	26.18	33.51	7.37	68.00	
10/16/2019	10.00		7.00	10.00	430.88	51.71	36.19	51.71	7.34	72.00		
10/17/2019	0.30		6.10	10.00	324.06	1.17	23.72	38.89	7.37	73.00		
10/18/2019					338.29				7.25	68.00		
10/19/2019					334.39				7.82	70.00		
10/20/2019	0.30		4.00	8.80	359.37	1.29	17.25	37.95	7.75	70.00		
10/21/2019	0.30		4.00	10.00	420.28	1.51	20.17	50.43	7.80	73.00		
10/22/2019	0.30	82.00	4.70	9.60	423.71	1.53	416.93	23.90	48.81	7.85	71.00	
10/23/2019	0.30		4.00	6.00	413.17	1.49	19.83	29.75	7.27	68.00		
10/24/2019	0.30		4.00	6.40	419.68	1.51	20.14	32.23	7.17	67.00		

Electronic Filing Received, Clerk's Office 01/09/2020

Date	Col 2	Col 3	Col 4	Col 5	Col 6	Col 7	Col 8	Col 9	Col 10	Col 11	Col 12			
10/25/2019						284.49				7.27	70.00			
10/26/2019					424.31					6.95	70.00			
10/27/2019		0.30		4.40	7.60	436.20	1.57	23.03	39.78	6.78	71.00			
10/28/2019		0.30		6.10	13.00	431.37	1.55	31.58	67.29	6.78	70.00			
10/29/2019		0.75		54.00	5.20	14.00	478.13	4.30	309.83	29.84	80.33	6.75	68.00	
10/30/2019		1.20			14.00	12.00	426.53	6.14		71.66	61.42	7.74	64.00	
10/31/2019		1.60			9.00	8.00	371.22	7.13		40.09	35.64	7.79	59.00	
11/1/2019							342.51					7.68	68.00	
11/2/2019							290.59					7.08	66.00	
11/3/2019		15.00			20.00	8.40	370.78	66.74		88.99	37.37	7.06	66.00	
11/4/2019	180.00	8.90					361.44	78.07		104.09	34.70	7.31	70.00	
11/5/2019		5.20	28.00		60.00	20.00	11.00	380.17	127.74	273.72	91.24	50.18	7.30	70.00
11/6/2019			31.00		55.00	22.00	8.80	387.71	144.23	255.89	102.36	40.94	7.25	70.00
11/7/2019			35.00			9.30	8.00	417.95	175.54		46.64	40.12	7.30	70.00
11/8/2019							407.94						7.10	66.00
11/9/2019							396.01						7.41	66.00
11/10/2019			39.00			9.90	4.40	397.30	185.94		47.20	20.98	7.50	70.00
11/11/2019	0.80		33.00			11.00	5.60	410.98	162.75		54.25	27.62	7.53	73.00
11/12/2019			23.00		57.00	23.00	6.00	413.06	114.00	282.53	114.00	29.74	7.63	68.00
11/13/2019			12.00			4.00	4.40	398.66	57.41		19.14	21.05	7.40	68.00
11/14/2019			2.50			4.00	4.00	405.21	12.16		19.45	19.45	7.46	73.00
11/15/2019							417.86						7.43	67.00
11/16/2019							424.73						7.01	71.00
11/17/2019	5.00	5.00	0.30			4.00	9.20	414.84	1.49		19.91	45.80	8.14	71.00
11/18/2019			0.30			4.00	4.00	402.15	1.45		19.30	19.30	8.17	72.00
11/19/2019			0.30		63.00	4.00	6.00	402.37	1.45	304.19	19.31	28.97	8.16	72.00
11/20/2019	5.00		0.30		62.00	4.00	4.00	395.40	1.42	294.18	18.98	18.98	7.58	71.00
11/21/2019			0.30			4.00	4.00	422.05	1.52		20.26	20.26	7.53	73.00
11/22/2019							417.54						7.56	71.00
11/23/2019							412.01						7.16	72.00

Electronic Filing Received, Clerk's Office 01/09/2020

11/24/2019	5.00	0.30	58.00	4.30	4.00	415.05	1.49	288.87	21.42	19.92	7.27	72.00
11/25/2019		0.30		4.00	4.00	364.09	1.31		17.48	17.48	7.23	70.00
11/26/2019	0.80	0.30	60.00	4.00	4.00	347.55	1.25	250.24	16.68	16.68	7.33	68.00
11/27/2019		0.30	59.00	4.00	4.00	224.90	0.81	159.23	10.80	10.80	8.30	66.00
11/28/2019		0.30	57.00	4.00	4.00	380.36	1.37	260.17	18.26	18.26	7.56	69.00
11/29/2019						363.74					6.96	75.00
11/30/2019						338.78					7.72	74.00

Avg	20.540	12.975	95.280	24.441	66.034	7.564	6.819	404.309	115.435	314.332	35.499	32.990	7.502	76.637
Min	0.800	5.000	5.200	0.300	34.000	4.000	4.000	200.000	0.810	137.280	10.795	10.795	6.750	59.000
Max	180.000	33.000	225.000	73.000	100.000	24.000	34.000	543.040	361.561	543.384	114.005	172.796	8.300	90.000
Sum									#####					
30-Day AVG/ Daily MAX	<i>40/ 89</i>	<i>21/ 46</i>	<i>400</i>	<i>155</i>		<i>20/ 40</i>	<i>25/ 50</i>	<i>636.81</i>	<i>841</i> <i>1633</i>		<i>183.5/ 477</i>	<i>229.3/ 596.3</i>	<i>6/ 9</i>	

DMR Support Data - Plant Effluent

Electronic Filing: Received, Clerk's Office 01/09/2020

Start Date: 12/1/2019 End Date: 12/31/2019

Date	MeCL2 (ug/l)	Chloroform (ug/l)	Toluene (ug/l)	Vinyl Chloride (ug/L)	Fecal Coliform (#/100 mL)	Ammonia (mg/L)	Phenol (mg/L)	Residual Chlorine (parts/MM)	Total Nitrogen (mg/l)	tBOD (mg/l)	TSS (mg/l)	Plant Effluent Flow (gpm)	Amonnia Load (#/day)	Total Nitrogen (#/day)	tBOD Load (#/day)	TSS Load (#/day)	pH	Temp. (*F)	Diffuser Ammonia (mg/l)	IEPA TSS (mg/l)	IEPA Ammonia (mg/l)	IEPA BOD (mg/l)
12/1/2019						0.30			49.00	5.00	5.60	417.76	1.50	245.64	25.07	28.07	7.74	73.00				
12/2/2019	0.80	0.80				0.30				6.50	10.00	420.98	1.52		32.84	50.52	7.82	70.00				
12/3/2019					1.00	0.30			49.00	5.60	6.00	420.47	1.51	247.24	28.26	30.27	7.63	70.00				
12/4/2019						0.30			50.00	6.50	7.20	421.41	1.52	252.85	32.87	36.41	7.33	70.00				
12/5/2019						0.30			49.00	4.10	6.80	416.88	1.50	245.13	20.51	34.02	7.35	70.00				
12/6/2019												409.09					7.79	71.00				
12/7/2019												453.91					7.67	74.00				
12/8/2019						9.00			40.00	12.00	13.00	419.19	45.27	201.21	60.36	65.39	7.50	71.00				
12/9/2019						16.00			44.00	15.00	22.00	405.51	77.86	214.11	72.99	107.05	8.11	79.00				
12/10/2019						0.30			45.00	15.00	10.00	400.92	1.44	216.50	72.17	48.11	7.04	79.00				
12/11/2019						10.00			44.00	15.00	6.40	373.13	44.78	197.01	67.16	28.66	7.01	75.00				
12/12/2019						0.52			50.00	7.00	4.80	308.56	1.93	185.14	25.92	17.77	7.48	71.00				
12/13/2019												366.26					7.44	77.00				
12/14/2019												366.90					7.81	77.00				
12/15/2019						0.30			52.00	4.00	4.00	368.51	1.33	229.95	17.69	17.69	8.00	75.00				
12/16/2019						0.30			52.00	4.00	4.40	373.87	1.35	233.29	17.95	19.74	8.24	64.00				
12/17/2019						0.30			48.00	5.10	4.00	328.66	1.18	189.31	20.11	15.78	8.09	68.00				
12/18/2019						0.30			47.00	5.90	9.60	314.64	1.13	177.46	22.28	36.25	8.11	67.00				
12/19/2019						0.30			47.00	4.00	4.80	313.60	1.13	176.87	15.05	18.06	8.25	67.00				
12/20/2019												321.26					8.21	66.00				
12/21/2019												398.69					7.34	68.00				
12/22/2019						0.30			42.00	6.10	6.80	389.21	1.40	196.16	28.49	31.76	7.54	66.00				
12/23/2019						0.30				4.00	4.00	385.85	1.39		18.52	18.52	7.34	63.00				
12/24/2019										5.90	10.00	383.16			27.13	45.98	8.18	67.00				
12/25/2019										6.00	4.00	332.01			23.90	15.94	8.26	68.00				
12/26/2019										5.20	5.20	351.52			21.93	21.93	8.30	71.00				

12/27/2019

Electronic Filing: Received, Clerk's Office 01/09/2020

8.32 67.00

12/28/2019

441.73

7.66 68.00

12/29/2019

6.40

483.88

37.16

7.66 72.00

12/30/2019

477.39

7.45 70.00

12/31/2019

481.47

7.42 60.00

Avg	0.800	0.800	1.000	2.319	47.200	7.095	7.381	392.170	11.043	213.857	32.560	34.528	7.745	70.129
Min	0.800	0.800	1.000	0.300	40.000	4.000	4.000	308.560	1.129	176.870	15.053	15.776	7.010	60.000
Max	0.800	0.800	1.000	16.000	52.000	15.000	22.000	483.880	77.858	252.846	72.992	107.055	8.320	79.000
Sum									187.733					
30-Day AVG/ Daily MAX	40/ 89	21/ 46	400	155		20/ 40	25/ 50	636.81	841 1633		183.5/ 477	229.3/ 596.3	6/ 9	

		Daily		30-Day Average			
		Ammonia mg/L	Ammonia Load lbs/day	Ammonia mg/L	Ammonia Load lbs/day		
2013	Maximum	160.00	1,050.30	108.14	690.98		
	Average	62.48	439.71				
	Low	12.00	70.50	19.41	163.46		
2014	Maximum	110.00	757.76	78.14	494.39		
	Average	64.80	336.54				
	Low	1.00	4.78	38.90	203.01		
2015	Maximum	130.00	542.66	97.55	413.22		
	Average	62.24	266.93				
	Low	1.00	5.00	31.90	163.35		
2016	Maximum	120.00	514.80	101.81	394.46		
	Average	78.90	302.57				
	Low	8.00	16.96	36.73	133.20		
2017	Maximum	100.00	454.27	84.32	368.01		
	Average	58.91	245.19				
	Low	1.20	3.59	20.03	76.92		
2018	Maximum	120.00	553.36	99.33	429.98		
	Average	79.69	343.71				
	Low	45.00	134.92	69.25	264.34		
2019	Maximum	96.00	528.74	73.76	397.91		
	Average	39.17	193.54				
	Low	0.30	0.81	2.32	11.05		
NPDES IL0001392 (Eff. 2007-05-01) Limits							
Max		155.00	1,848.60				
Average				n/a	n/a		
AS 13-2 Limits (Effective 2015-04-16)							
Max		140.00	1,633.00				
30-Day Average				110.00	841.00		

Yr-Mos	Daily Maximum		Mos Average	
	mg/L	lbs/day	mg/L	lbs/day
NPDES IL0001392 Limits (Eff. 2007-05-01)				
	155	1,848.6		
AS 13-2 Limits (Eff. 2015-04-16)				
	140	1,633.0	110	841.0
Highest Value During Year				
2013				
Jan	160	1,050.3	87	667.3
Feb	96	753.8	76	517.0
Mar	100	651.3	55	316.9
Apr	93	701.9	68	452.3
May	130	931.2	108	691.0
Jun	86	626.5	70	493.2
July	85	591.0	65	446.6
Aug	94	797.2	76	608.4
Sep	31	295.1	19	163.5
Oct	35	289.0	24	190.3
Nov	68	478.2	49	338.2
Dec	78	631.3	54	394.8
2014				
Jan	66	390.8	49	254.5
Feb	100	502.7	66	362.8
Mar	110	573.0	78	392.9
Apr	91	757.8	74	494.4
May	90	455.3	74	391.0
Jun	84	458.0	67	358.8
July	110	515.0	73	346.8
Aug	76	348.9	68	292.7
Sep	77	438.4	68	351.8
Oct	94	458.9	70	333.9
Nov	66	400.1	52	253.0
Dec	84	473.0	39	203.0
2015				
Jan	54	266.5	33	163.3
Feb	56	300.8	32	166.4
Mar	76	336.6	47	205.6
Apr	91	432.3	60	280.7
May	55	254.0	40	174.0
Jun	71	333.2	60	254.5
July	130	542.7	98	413.2
Aug	110	480.9	94	378.8
Sep	97	403.7	70	277.3
Oct	110	419.1	82	325.8
Nov	80	345.7	68	279.8
Dec	85	386.1	64	281.2

Yr-Mos	Daily Maximum		Mos Average	
	mg/L	lbs/day	mg/L	lbs/day
2016				
Jan	88	409.4	74	315.8
Feb	97	412.1	87	336.5
Mar	95	447.5	83	337.1
Apr	100	405.1	86	327.2
May	110	442.4	101	391.9
Jun	100	394.5	86	326.3
July	120	514.8	102	394.5
Aug	100	388.8	87	316.0
Sep	87	328.2	74	263.3
Oct	90	415.8	78	299.6
Nov	60	230.0	37	133.2
Dec	84	313.9	52	185.8
2017				
Jan	52	207.9	20	76.9
Feb	53	209.6	34	131.4
Mar	94	437.5	84	365.0
Apr	96	451.5	81	368.0
May	100	454.3	81	347.7
Jun	54	249.9	39	164.3
July	68	354.6	42	169.2
Aug	85	397.9	60	247.8
Sep	84	362.7	65	268.1
Oct	87	427.1	70	309.9
Nov	90	410.5	69	281.9
Dec	87	311.9	61	203.8
2018				
Jan	110	503.3	81	303.3
Feb	93	352.7	69	264.3
Mar	110	463.1	99	367.4
Apr	120	430.2	73	274.4
May	92	450.4	71	335.3
Jun	94	445.3	74	353.8
July	100	477.1	87	399.9
Aug	100	467.4	75	339.3
Sep	110	552.4	90	430.0
Oct	110	553.4	82	398.7
Nov	110	498.8	79	352.1
Dec	93	365.0	75	299.2

Yr-Mos	Daily Maximum		Mos Average	
	mg/L	lbs/day	mg/L	lbs/day
2019				
Jan	94	375.8	59	218.0
Feb	94	529.2	64	333.1
Mar	96	515.8	74	397.9
Apr	78	433.5	70	359.4
May	80	438.8	61	340.2
Jun	17	75.9	8	43.6
July	60	360.6	32	166.9
Aug	68	361.6	50	230.3
Sep	73	349.6	30	129.4
Oct	16	78.5	4	21.6
Nov	39	185.9	12	56.9
Dec	16	77.9	2	11.0
Monthly Maximum as % of 2016 Permit Limits				
2013	114%	64%	98%	82%
2014	79%	46%	71%	59%
2015	93%	33%	89%	49%
2016	86%	32%	93%	47%
2017	71%	28%	77%	44%
2018	86%	34%	90%	51%
2019	69%	32%	67%	47%