

ITHACA AREA WASTEWATER TREATMENT FACILITY

TOWN OF ITHACA

CITY OF ITHACA

TOWN OF DRYDEN, OWNERS

525 THIRD STREET
ITHACA, NEW YORK 14850
(607) 273-8381
FAX (607) 273-8433

Special Joint Committee
Wednesday, February 20, 2019 1:00pm

- 1) Welcome
- 2) Agenda Review and Approval of Minutes
- 3) Financial Report – *Steve Thayer City Controller*
- 4) Operations and Engineering Report – *CJ Kilgore Chief Operator*
 - a) Notice of Violation from Dec 21st weather event, response
 - b) Update on wet weather standard operating procedures
- 5) Voting Items
 - a) Requesting Joint Sewer Agreement Amendment to Eliminate Chairperson Term Limit
- 6) Presentation/Discussion Items
 - a) Rockwell/Collins Presentation – Rockwell Collins is adapting organic waste processing unit to wastewater residual biosolids. They are proposing to pilot their residual biosolids unit at the IAWWTF. Their pilot consists of a 12 ton/day dryer and pyrolysis system that generates 20 KW of power and biochar. The time frame for this pilot testing is 2019.
 - b) Meeting of the Six Parties, [Joint Sewer Agreement, Plant to Plant Agreement, Intermunicipal Agreement](#) – *Bill Goodman, Cynthia Brock*
- 7) Announcements / Other Business
- 8) Adjournment

Upcoming Meeting Dates: March 20, April 17

Out of consideration for the health of other individuals, please refrain from using perfume/cologne and other scented personal care products at City of Ithaca meetings.
Thank you for your cooperation and understanding.

IAWWTF
 Approved Budget and Actual Activity
 As of December 31, 2018 (Not Final)
 2/15/2019

Revenues:							
J8150							
<u>Account #</u>	<u>Description</u>		<u>Budget</u>	<u>Actual</u>	<u>Excess or (Deficiency)</u>	<u>% Rec'd</u>	
2373	Septage Service Other		\$ 380,000	\$ 430,966	\$ 50,966	113.41%	
2374	Sewer Service Other Gov't's		\$ 2,732,340	\$ 2,732,340	\$ -	100.00%	
2392	Debt Service Other Gov't's		\$ 864,909	\$ 861,319	\$ (3,590)	99.58%	
2401	Interest & Earnings		\$ 3,000	\$ -	\$ (3,000)	0.00%	
2665	Sale of Equipment		\$ 4,000	\$ 2,187	\$ (1,813)	54.68%	
2680	Insurance Recoveries		\$ -	\$ -	\$ -		
2701	Refund of Prior Year Expense		\$ -	\$ -	\$ -		
2705	Gifts and Donations		\$ -	\$ -	\$ -		
2770	Unclassified Revenue		\$ 1,500	\$ -	\$ (1,500)	0.00%	
Total Revenues as of 12/31/18			\$ 3,985,749	\$ 4,026,812	\$ 41,063	101.03%	

IAWWTF
Approved Budget and Actual Activity
As of December 31, 2018 (Not Final)
2/15/2019

Expenditures:								
J8150							Available	%
Account #	Description		Budget	Actual		Balance	Used	
Operations:								
1920	Municipal Association Dues		\$ 1,119	\$ 1,086		\$ 33	97.05%	
1990	Contingency Account		\$ 20,000	\$ -		\$ 20,000	0.00%	
5105	Administration Salaries		\$ 66,178	\$ 64,762		\$ 1,416	97.86%	
5110	Staff Salaries		\$ 672,537	\$ 599,884		\$ 72,653	89.20%	
5115	Hourly F/T		\$ 35,266	\$ 29,379		\$ 5,887	83.31%	
5120	Hourly P/T		\$ 25,000	\$ 34,841		\$ (9,841)	139.36%	
5125	Overtime		\$ 22,000	\$ 18,318		\$ 3,682	83.26%	
5210	Office Equipment		\$ 2,237	\$ 2,237		\$ -	0.00%	
5215	Motor Vehicles		\$ 25,000	\$ 25,000		\$ -	0.00%	
5225	Other Equipment		\$ 2,763	\$ -		\$ 2,763	0.00%	
5405	Telephone		\$ 6,200	\$ 6,709		\$ (509)	108.21%	
5410	Utilities		\$ 290,000	\$ 198,937		\$ 91,063	68.60%	
5415	Clothing		\$ 5,300	\$ 7,038		\$ (1,738)	132.79%	
5420	Gas & Oil		\$ 11,000	\$ 1,614		\$ 9,386	14.67%	
5425	Office Expense		\$ 2,000	\$ 1,550		\$ 450	77.50%	
5430	Fees		\$ 115,000	\$ 99,795		\$ 15,205	86.78%	
5435	Contracts		\$ 299,748	\$ 195,142		\$ 104,606	65.10%	
5436	Overhead Charge City General Fund		\$ 205,984	\$ 205,984		\$ -	100.00%	
5440	Staff Development		\$ 15,000	\$ 16,045		\$ (1,045)	106.97%	
5450	Advertising		\$ 300	\$ 53		\$ 247	17.67%	
5455	Insurance		\$ 123,000	\$ 125,169		\$ (2,169)	101.76%	
5475	Property Maintenance		\$ -	\$ -		\$ -	0.00%	
5476	Equipment Maintenance		\$ -	\$ -		\$ -	0.00%	
5477	Equipment Parts		\$ 100,000	\$ 92,189		\$ 7,811	92.19%	
5479	Vehicle Maintenance		\$ 3,000	\$ -		\$ 3,000	0.00%	
5480	Building Maintenance Supplies		\$ 22,000	\$ 14,608		\$ 7,392	66.40%	
5494	Safety Materials & Supplies		\$ 7,000	\$ 1,634		\$ 5,366	23.34%	
5495	Treatment Supplies		\$ 360,000	\$ 502,569		\$ (142,569)	139.60%	
5496	Lab Supplies		\$ 84,000	\$ 80,885		\$ 3,115	96.29%	
5499	Sludge Disposal Fees		\$ 300,000	\$ 324,297		\$ (24,297)	108.10%	
5700	Prior Year Encumbrances		\$ 81,847	\$ -		\$ 81,847	0.00%	
5720	Prior Year Equipment		\$ 75,000	\$ -		\$ 75,000	0.00%	
	Sub-Totals		\$ 2,978,479	\$ 2,649,725		\$ 328,754	88.96%	
Benefits:								
9010	State Retirement		\$ 110,160	\$ 109,581		\$ 579	99.47%	
9030	Social Security		\$ 63,000	\$ 57,180		\$ 5,820	90.76%	
9040	Workers Compensation		\$ 34,160	\$ 14,502		\$ 19,658	42.45%	
9050	Unemployment Insurance		\$ -	\$ -		\$ -	0.00%	
9060	Health Insurance		\$ 337,038	\$ 382,914		\$ (45,876)	113.61%	
9070	Dental Insurance		\$ 3,200	\$ 3,160		\$ 40	98.75%	
9080	Day Care Assistance		\$ 250	\$ -		\$ 250	0.00%	
9089	Employee Tuition		\$ 1,400	\$ -		\$ 1,400	0.00%	
	Sub-Totals		\$ 549,208	\$ 567,337		\$ (18,129)	103.30%	
Debt Service								
9710	Serial Bonds		\$ 418,549	\$ 418,549		\$ -	100.00%	
9711	Interest on Serial Bonds		\$ 368,147	\$ 364,557		\$ 3,590	99.02%	
9730	BANS		\$ 33,862	\$ 33,862		\$ -	100.00%	
9731	Interest on BANS		\$ 44,351	\$ 44,351		\$ -	100.00%	
	Sub-Totals		\$ 864,909	\$ 861,319		\$ 3,590	99.58%	
Interfund Transfers								
9951	Transfer to Capital Reserves		\$ -	\$ -		\$ -	0.00%	
	Sub-Totals		\$ -	\$ -		\$ -	0.00%	
Total All Expenditures as of 12/31/18			\$ 4,392,596	\$ 4,078,381		\$ 314,215	92.85%	
Surplus(deficit) as of 12/31/18			\$ (406,847)	\$ (51,569)		\$ 355,278		
*\$250,000 was appropriated from Fund Balance surplus for 2018								

IAWWTF
 Approved Budget and Actual Activity
 As of January 31, 2019
 2/15/2019

Revenues:							
J8150							
<u>Account #</u>	<u>Description</u>	<u>Budget</u>	<u>Actual</u>	<u>Excess or (Deficiency)</u>	<u>% Rec'd</u>		
2373	Septage Service Other	\$ 420,000	\$ -	\$ (420,000)	0.00%		
2374	Sewer Service Other Gov't's	\$ 2,824,544	\$ 679,658	\$ (2,144,886)	24.06%		
2392	Debt Service Other Gov't's	\$ 896,696	\$ -	\$ (896,696)	0.00%		
2401	Interest & Earnings	\$ 3,000	\$ -	\$ (3,000)	0.00%		
2665	Sale of Equipment	\$ 3,000	\$ -	\$ (3,000)	0.00%		
2680	Insurance Recoveries	\$ -	\$ -	\$ -			
2701	Refund of Prior Year Expense	\$ -	\$ -	\$ -			
2705	Gifts and Donations	\$ -	\$ -	\$ -			
2770	Unclassified Revenue	\$ 1,500	\$ -	\$ (1,500)	0.00%		
	Total Revenues as of 1/31/19	\$ 4,148,740	\$ 679,658	\$ (3,469,082)	16.38%		

IAWWTF
Approved Budget and Actual Activity
As of January 31, 2019
2/15/2019

Expenditures:								
J8150							Available	%
Account #	Description		Budget	Actual		Balance	Used	
Operations:								
1920	Municipal Association Dues		\$ 1,119	\$ -		\$ 1,119	0.00%	
1990	Contingency Account		\$ 20,000	\$ -		\$ 20,000	0.00%	
5105	Administration Salaries		\$ 69,255	\$ 4,812		\$ 64,443	6.95%	
5110	Staff Salaries		\$ 813,202	\$ 49,470		\$ 763,732	6.08%	
5115	Hourly F/T		\$ 38,197	\$ 2,619		\$ 35,578	6.86%	
5120	Hourly P/T		\$ 25,000	\$ 4,657		\$ 20,343	18.63%	
5125	Overtime		\$ 22,000	\$ 696		\$ 21,304	3.16%	
5210	Office Equipment		\$ -	\$ -		\$ -	0.00%	
5215	Motor Vehicles		\$ 30,000	\$ -		\$ 30,000	0.00%	
5225	Other Equipment		\$ 30,000	\$ -		\$ 30,000	0.00%	
5405	Telephone		\$ 6,200	\$ 327		\$ 5,873	5.27%	
5410	Utilities		\$ 283,000	\$ 5,182		\$ 277,818	1.83%	
5415	Clothing		\$ 6,500	\$ 634		\$ 5,866	9.75%	
5420	Gas & Oil		\$ 10,000	\$ -		\$ 10,000	0.00%	
5425	Office Expense		\$ 2,000	\$ -		\$ 2,000	0.00%	
5430	Fees		\$ 115,000	\$ 1,920		\$ 113,080	1.67%	
5435	Contracts		\$ 185,000	\$ 14,820		\$ 170,180	8.01%	
5436	Overhead Charge City General Fund		\$ 189,790	\$ -		\$ 189,790	0.00%	
5440	Staff Development		\$ 18,000	\$ 461		\$ 17,539	2.56%	
5450	Advertising		\$ 200	\$ -		\$ 200	0.00%	
5455	Insurance		\$ 128,000	\$ 137,338		\$ (9,338)	107.30%	
5475	Property Maintenance		\$ -	\$ -		\$ -	0.00%	
5476	Equipment Maintenance		\$ -	\$ -		\$ -	0.00%	
5477	Equipment Parts		\$ 100,000	\$ 79		\$ 99,921	0.08%	
5479	Vehicle Maintenance		\$ 2,000	\$ -		\$ 2,000	0.00%	
5480	Building Maintenance Supplies		\$ 22,000	\$ -		\$ 22,000	0.00%	
5494	Safety Materials & Supplies		\$ 6,000	\$ -		\$ 6,000	0.00%	
5495	Treatment Supplies		\$ 402,000	\$ 3,783		\$ 398,217	0.94%	
5496	Lab Supplies		\$ 84,000	\$ 1,105		\$ 82,895	1.32%	
5499	Sludge Disposal Fees		\$ 320,000	\$ -		\$ 320,000	0.00%	
5700	Prior Year Encumbrances		\$ -	\$ -		\$ -	0.00%	
5720	Prior Year Equipment		\$ -	\$ -		\$ -	0.00%	
	Sub-Totals		\$ 2,928,463	\$ 227,903		\$ 2,700,560	7.78%	
Benefits:								
9010	State Retirement		\$ 110,925	\$ -		\$ 110,925	0.00%	
9030	Social Security		\$ 74,026	\$ 4,795		\$ 69,231	6.48%	
9040	Workers Compensation		\$ 29,160	\$ 2,630		\$ 26,530	9.02%	
9050	Unemployment Insurance		\$ -	\$ -		\$ -	0.00%	
9060	Health Insurance		\$ 354,620	\$ 34,195		\$ 320,425	9.64%	
9070	Dental Insurance		\$ 3,200	\$ 588		\$ 2,612	18.38%	
9080	Day Care Assistance		\$ 250	\$ -		\$ 250	0.00%	
9089	Employee Tuition		\$ 1,400	\$ -		\$ 1,400	0.00%	
	Sub-Totals		\$ 573,581	\$ 42,208		\$ 531,373	7.36%	
Debt Service								
9710	Serial Bonds		\$ 428,702	\$ 76,472		\$ 352,230	17.84%	
9711	Interest on Serial Bonds		\$ 357,057	\$ 18,711		\$ 338,346	5.24%	
9730	BANS		\$ 35,556	\$ -		\$ 35,556	0.00%	
9731	Interest on BANS		\$ 75,381	\$ -		\$ 75,381	0.00%	
	Sub-Totals		\$ 896,696	\$ 95,183		\$ 801,513	10.61%	
Interfund Transfers								
9951	Transfer to Capital Reserves		\$ -	\$ -		\$ -	0.00%	
	Sub-Totals		\$ -	\$ -		\$ -	0.00%	
Total All Expenditures as of 1/31/19			\$ 4,398,740	\$ 365,294		\$ 4,033,446	8.30%	
Surplus(deficit) as of 1/31/19			\$ (250,000)	\$ 314,364		\$ 564,364		
*\$250,000 was appropriated from Fund Balance surplus for 2019								

Capital Activity:		Status	Current Cash Balance	Current Auth Balance	Original Authorization	Expended To date	Expended This Period	Funded Amount	Comment
Account #	Capital Reserves:								
J1	Capital Reserve Balance		\$ 252,950.00						
Capital Projects:									
409J	Phosphorus Removal Improvements	To close	\$ 191,657.79	\$ (3,271.80)	\$ 4,975,000	\$ 4,978,271.80	\$ -	\$ 4,975,000.00	Authorized, funded by each entity
410J	Primary Settling Tanks Rehab I & II	Closed	\$ -	\$ 13,423.83	\$ 360,000	\$ 346,576.17	\$ -	\$ 150,000.00	Project complete, funding needed phase II
411J	Admin Building & Thickner Roof Addition Design	Closed	\$ -	\$ 10,000.00	\$ 10,000	\$ -	\$ -	\$ -	Authorized, funding from each entity
412J	Energy Reduction Upgrades	Closed	\$ -	\$ 31,369.44	\$ 60,000	\$ 28,630.56	\$ -	\$ -	Authorized, funding from each entity
413J	Boiler Replacement	Closed	\$ -	\$ 100,000.00	\$ 100,000	\$ -	\$ -	\$ -	Authorized, funding from each entity
414J	Flow Meter Stations Rehabilitation	Active	\$ 3,021.66	\$ 5,948.66	\$ 102,927	\$ 96,978.34	\$ -	\$ 100,000.00	Authorized, funding from each entity
415J	Facility Concrete Restoration	Closed	\$ -	\$ 118,279.28	\$ 135,000	\$ 16,720.72	\$ -	\$ -	Authorized, funding from each entity
416J	Misc Plant Improvements	Active	\$ (4,859.19)	\$ (4,859.19)	\$ 1,504,950	\$ 1,509,809.19	\$ -	\$ 1,430,950.00	Authorized, funding from each entity
417J	IAWWTF Energy Improvements	Active	\$ 202,567.15	\$ 202,567.39	\$ 8,026,398	\$ 8,247,921.61	\$ -	\$ 8,026,398.00	Authorized, funding from each entity, NYSERDA Grant \$406,179
418J	Septage Receiving Facility Improvements	Active	\$ 143,282.38	\$ 143,282.38	\$ 3,077,475	\$ 2,934,192.62	\$ -	\$ 3,077,475.00	Authorized, funding from each entity
419J	Influent Building & Dewatering System Imp	Active	\$ 23,675.24	\$ 72,675.24	\$ 3,953,563	\$ 3,880,887.76	\$ -	\$ 3,879,563.00	Authorized, funding from each entity
420J	Enhanced Primary Treatment Feasibility Study	Active	\$ 39,227.84	\$ 39,227.84	\$ 287,650	\$ 248,422.16	\$ -	\$ 287,650.00	Authorized, capital reserve funding
421J	IAWWTF Microgrid Electric Power Feasibility	To close	\$ (48,960.00)	\$ -	\$ 148,960	\$ 148,960.00	\$ -	\$ 148,960.00	Authorized, funded from NYSERDA Grant
422J	IAWWTF Design for Various Improvements to Plant	Active	\$ 29,025.00	\$ 7,219,025.00	\$ 7,624,175	\$ 405,150.00	\$ -	\$ 434,175.00	Authorized, capital reserve funding/Bonds
Total Capital Projects			\$ 578,637.87	\$ 7,947,668.07	\$ 30,366,098.00	\$ 22,842,520.93	\$ -	\$ 22,510,171.00	
Fund Balance:									
			Amount						
12/31/2015	Capital Reserves		\$ 714,520						
	Assigned		\$ 160,665						
	Unassigned		\$ 1,234,482						
	Total Fund Balance		\$ 2,109,667						
12/31/2016	Restricted for Capital		\$ 427,684	Capital reserves					
	Nonspendable		\$ 27,231	Prepaid expenses					
	Assigned		\$ 276,960	Encumbrances, next year budget					
	Unassigned		\$ 1,276,218						
	Total Fund Balance		\$ 2,008,093						
12/31/2017	Restricted for Capital		\$ 253,257	Capital reserves					
	Nonspendable		\$ 27,317	Prepaid expenses					
	Assigned		\$ 406,847	Encumbrances, next year budget					
	Unassigned		\$ 1,227,808						
	Total Fund Balance		\$ 1,915,229						

Operator and Engineer's Report
SJC Meeting
20 February, 2019

1. Plant Maintenance & Operations

- a. Wet Weather event 21-22 December. As reported last month, appeared to have had significant loss of biology, notified NY Alert system. Actual loss not as severe as first observed; due to obstruction or blockage in a sludge return line discovered a large amount of sludge had been saved in an offline tank. Cleared the line and returned sludge to system and fully recovered fairly quickly. No permit violations resulted during the event. DEC issued Notice of Violation (officially addressed to Mike Thorne) regardless due to not meeting 2hr reporting requirement of NYALERT System. No fine, Schedule of Compliance response required (and sent) explaining cause of loss of sludge in aeration tanks, actions taken to address wet weather losses and improve response times/actions to such, plans to ensure reporting time requirements are met.
- b. Sludge Hauling contracts finalized.
- c. Cornell working on a Research Project to be funded by EPA grant. CU wants to pay for IAWWTF services by issuing IAWWTF a sub-grant (previously done in 2001). Will need short statement of work IAWWTF will provide, details how \$5000 allotted will be spent, CU Subcontractor Commitment Form completed and signed by authorized official.

2. Facilities Maintenance & Operations

- a. Final drawings and plans for Ithaca Beer Company pre-treatment system approved, received update/timeline from OBG.

3. Staff Management

- a. Noah Cook leaving at end of month.

4. Reporting

5. Business, Long Term Development

- a. Grit Removal and Misc. Improvements (GHD) – GHD finalizing Effluent System Upgrade plans, hope to go out to bid soon. Plan to have GHD here for March meeting.
- b. Monitoring Sta. parts procurement in progress.

Equipment	Usage(ft²) January	Usage(ft²) December	Usage(ft²) November	Usage (ft²) October	Usage (ft²) September	Usage (ft²) August	Usage (ft²) July	Usage (ft²) June
Micro-turbines	2,436,000	3,399,000	3,168,000	3,715,000	3,248,000	3,003,000	3,149,000	3,370,000
Boilers	402,000	124,000	311,000	27,000	36,000	53,000	0	87,000
Waste Flare	141,000	55,000	257,000	87,000	159,000	74,000	41,000	26,000
Total Biogas Produced	2,979,000	3,578,000	3,456,000	3,829,000	3,443,000	3,130,000	3,190,000	3,483,000

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Water, Region 7
615 Erie Boulevard West, Syracuse, NY 13204-2400
P: (315) 426-7500 | F: (315) 426-7459
www.dec.ny.gov

February, 6, 2019

Michael J. Thorne, P.E.
City of Ithaca
108 E. Green Street, Room 202
Ithaca, NY 14850

**Re: Ithaca Area Waste Water Treatment Plant:
SPDES NY 0026638**

NOTICE OF VIOLATION

Dear Mr. Thorne:

The New York State Department of Environmental Conservation ("Department") is responsible for ensuring compliance with the State Pollutant Discharge Elimination System (SPDES) permit number NY 0026638. The Ithaca Area Waste Water Treatment Plant (WWTP) obtained coverage under this permit which was last renewed on June 1, 2015.

On 12/21/18 and 12/22/18 the WWTP experienced wet weather and melting conditions causing relatively high average flows of 12.3 MGD and 11.1 MGD respectively. Instantaneous peak flows on 12/21/18 and 12/22/18 reached 23.5 MGD and 15.2 MGD respectively. The high flows caused a loss of activated sludge and secondary treatment processes within the aeration tanks on 12/22/18 and 12/23/18.

The following violations have been noted in association with the above referenced discharge of partially treated sewage:

Violation – Failure to Properly Operate the Facility:

Pursuant to 6 NYCRR Parts 750-2.8(a)(5), The permittee and operator shall operate the wastewater treatment facility in such a manner as to minimize the discharge of pollutants to a degree that is achievable when compared to standard practices for operation of such wastewater treatment facilities.

The WWTP is said to have a wet weather operations plan with direction on handling of return activated sludge during high flows. During this event MLSS was reduced to roughly 15% of its normal operational value for two consecutive days while flows were close to the design flow of the plant and consistent with historical flows. If the wet weather operations plan was adequate and/or properly executed this two-day drop in MLSS would not have occurred. Furthermore, the daily average MLSS concentration on 12/22/18 was 494 mg/L. It appears that no adjustments to return activated sludge were made until 12/23/18.



Although there were no permit limit exceedances for samples taken on 12/23/18 for BOD5, it is reasonable to expect that with very low MLSS present within the aeration tanks that effluent would exceed the limit for BOD5. 24-hour composite samples taken on 12/23/18, which did not exceed any permit limits, were likely impacted by return activated sludge adjustments made by plant operators on 12/23/18. No such adjustments occurred on 12/22/18 while MLSS was also at a very low concentration. It is likely that if 24-hour composite samples were taken on 12/22/18, BOD5 permit limits would have been exceeded.

Violation – Failure to Properly Report:

Pursuant to 6 NYCRR Parts 750-2.7(b)(2)(i), Two-hour reporting requirements for POTWs and POSSs. Immediately, but in no case later than two hours after discovery of the discharge, owners and operators of POTWs and POSSs must report all discharges of untreated or partially treated sewage, including combined sewer overflows, to the Department and local health department, or if there is none, the New York State Department of Health. This reporting requirement applies to all untreated and partially treated sewage discharges to waters of the state except partially treated sewage discharged directly from a POTW that is in compliance with a Department approved plan or permit. These initial discharge reports shall be submitted using appropriate electronic media as determined by the Department and shall, at a minimum, include to the extent knowable with existing systems and models the following:

- (a) The date and time of discovery of the discharge and a brief description of the reason for the discharge;*
- (b) The location of the discharge including the receiving water effected by the discharge;*
- (c) The estimated volume and treated state (untreated or partially treated) of the discharge at the time of the report;*
- (d) A brief description of the measures taken and planned to contain the discharge except for wet weather combined sewer overflow discharges; and*
- (e) The expected duration of the discharge and the total expected volume of the discharge.*

The WWTP personnel should have suspected they were only providing partial treatment of sewage on 12/22/18 when daily average MLSS concentrations were 494 mg/L. On Sunday, 12/23/18, the Chief Operator reported to the plant and confirmed by 10:00 AM that only partial treatment was occurring. Due to lack of trained personnel, A New York Pollution Right to Know notification was not made until 1:10 PM, exceeding the 2-hour reporting timeframe.

SCHEDULE OF COMPLIANCE

The following actions shall be completed:

- 1) **By no later than twenty-eight (28) days from the date of this letter**, provide to the Department a letter to address each of the following issues
 - Provide an explanation of the cause of the loss of activated sludge within the aeration tanks. Explain actions that will be taken to address the loss of activated sludge within the aeration tanks during wet weather and improve response time by operators.
 - Provide a plan to meet the required timeframes of New York Pollution Right to Know notifications.

- Revise the WWTP's Wet Weather Operations Plan and submit the revised plan to the Department for our Review.

Take notice that the Environmental Conservation Law (ECL) 71-1929 provides that any person who violates any section of Article 17 of the ECL shall be liable for a civil penalty, punishable by a fine not to exceed \$37,500 per day for each violation.

If you have any questions, please do not hesitate to contact me at the number listed above.

Sincerely,

A handwritten signature in blue ink, appearing to read "Matthew Russo".

Matthew Russo
Assistant Engineer

cc: Valarie Ellis, P.E. Professional Engineer I, NYSDEC
Tom Vigneault, P.E. Regional Water Engineer, NYSDEC
Scott Freyburger, Tompkins County Health Department



CITY OF ITHACA

108 East Green Street, Ithaca, New York 14850-6590

DEPARTMENT OF PUBLIC WORKS

Michael J. Thorne, P.E., Superintendent

Telephone: 607/274-6531

Fax: 607/274-6587

February 11, 2019

Mr. Matthew Russo
NYS Department of Environmental Conservation
615 Erie Boulevard West
Syracuse, NY 13204

RE: Notice of Violation, Ithaca Area Wastewater Treatment Facility, SPDES NY 0026638

Dear Mr. Russo,

This letter responds to the Notice of Violation (NOV) dated February 6, 2019 for the Ithaca Area Wastewater Treatment Facility, SPDES NY 0026638. Our responses to the specific information requested in the Schedule of Compliance are provided below:

Provide an explanation of the cause of the loss of activated sludge within the aeration tanks.

Due to extreme rainfall on the evening of December 21, 2018, the IAWWTF experienced high flows which pushed the biosolids inventory from the aeration tanks to the final tanks. In response, the return rate was increased and the waste rate was decreased per the Wet Weather Standard Operating Procedure (SOP). The following day, December 22, high flows had subsided and the return rate was lowered back to normal. The MLSS concentrations were low but expected to recover, and the waste rate was set to zero. On December 23, MLSS concentrations remained unexpectedly low which prompted notification to the DEC. In the process of restoring plant biology, it was discovered that blockage in a return line from one of the final tanks had developed, causing sequestration of sludge in the tank. Isolation of the tank and putting a dedicated return pump on the tank eventually cleared the blockage and enabled restoration of biology to the system.

Explain actions that will be taken to address the loss of activated sludge within the aeration tanks during wet weather and improve response time by operators.

The Wet Weather SOP has been modified to include checking sludge blanket levels in the final tanks during and after wet weather events. This will help detect any unintentional storage of sludge and help ensure timely corrective response. Other modifications made to the SOP, as well as “lessons-learned” from this event, have been reviewed and discussed with all plant operators.

Provide a plan to meet the required timeframes of New York Pollution Right to Know notifications.

In order to meet the required timeframes of the New York Pollution Right to Know notifications, two additional authorized personal are being added to the NYALERT system.

February 11, 2019

RE: Notice of Violation, Ithaca Area Wastewater Treatment Facility, SPDES NY 0026638

Revise the WWTP's Wet Weather Operations Plan and submit the revised plan to the Department for our Review.

Revised Wet Weather SOP is attached to this response letter.

Please contact our Water and Sewer Division at 607-272-1717 if you have any questions.

Sincerely,



Michael J. Thorne, P.E.
Superintendent of Public Works
City of Ithaca

Attachment: Revised Wet Weather Standard Operating Procedure

xc: Valerie Ellis, P.E., NYSDEC
Tom Vigneault, P.E., NYSDEC
Scott Freyburger, Tompkins County Health Department

WET WEATHER/HIGH FLOW(15 MGD+) EVENTS STANDARD OPERATING PROCEDURE

Revised February 2019

- Monitor final effluent at Final Settling Tank (FST) weirs and Actiflo weirs for solids overflow.
 - If solids are being lost over FST weirs, begin filling and place additional tanks online if available (normally one at a time) to reduce flow over weirs.
 - If likely to be sustained event, start with additional Aeration Tanks to increase process time.
 - Follow with Final Settling Tanks to retain solids.
 - If primary is available, use to buffer flow once other tanks full. If flow is so high that offline primary begins to backfill, crack open gates to control filling and take pressure off online primary.
 - If solids are flowing over Actiflo weirs, Actiflo may be partially by-passed; it's design flow is 10 MGD. It may also be shut down and fully by-passed. If it's by-passed, monitor water level at FST weirs and flights. If FST weirs and flights are getting submerged, leave gate valve into Acti-flo partially or fully open to lower water level; the by-pass gate discharge height is higher than the inlet to Acti-flo and can cause flow to back up into the FST.
 - Increase RAS return rate to 4.5 or 5. Try to balance tanks if suction header is isolated/split.
 - Reduce Waste Rate (or stop wasting completely) if losing significant solids over weirs.
- Monitor flow into and out of primary settling tanks, aeration tanks and final settling tanks. Ensure gate valves are open enough to prevent flow from backing up in launders and spilling into an offline tank.
 - Place additional tanks online as necessary to prevent back filling.
 - Preferred order when placing tanks online to control flow and process is Aeration, Finals, Primary.
 - When placing tanks online avoid fully opening gates initially unless absolutely necessary, use to control and ease flow, especially for a short lived event. Once tank is full, open gates to prevent flow restriction unless tank is likely to be taken out of service relatively soon again.
 - Prior to allowing flow into an offline tank ensure process drains are closed. Verify all valve alignments when placing tanks in service, in particular the RAS suction header, primary sludge pump suction and discharge headers/grit classifiers.
 - When filling a Final, wait until it's nearly full prior to aligning RAS Header/suction valve on the final, otherwise it can backfill via suction header.
 - Periodically check final blankets, ensure adequate sludge return.
 - When filling a primary, be mindful of flow; partially crack open gate valves initially to avoid a heavy inrush of grit or potential cessation of flow through plant. Ensure Primary Sludge pump aligned and started early on to stay on top of grit removal. Turn on cross collector flights when pump is placed on line. Open inlet gate when tank is near full to equalize flow as required. Turn on longitudinal flights when tank is near full.
- Increase flush/carrier water on Primary Sludge pumps; increased grit requires more water.

WET WEATHER/HIGH FLOW(15 MGD+) EVENTS STANDARD OPERATING PROCEDURE

Revised February 2019

- Check grit classifier frequently, especially early in event. If hopper propped open, continue to check to ensure good flow and grit removal. Cyclones clog easily, keep clear to ensure grit doesn't accumulate in Primary.
- Check effluent pump strainers frequently, especially early in event, and when Actiflo offline.
- Check Influent pumps, ensure no alarms. #2 pump frequently faults when cycled initially, should be placed in Local, started and left running if there's already 3 pumps running.
- Keep an eye on water level after the Parshall Flume; if water begins backing up into the Parshall Flume then ActiFlo Effluent pump(s) need to be run. A sudden, instantaneous jump in flow, especially in the 30 MGD range, is likely due to back up into the Flume. Sluice Gate #1 (by the Effluent Sampler) will need to be closed once the pumps are started. This is done atop the ActiFlo discharge structure by placing the valve operator in manual and closing.
- Check Dechlor: check strainer and Chlorine residual as time permits. Incoming residual will need to be higher than normal to ensure adequate disinfection due to shorter detention times, adjust paced hypo pump as required. Increase Sulfur Dioxide flow to ensure proper dechlorination.
- If the event is strong and sustained, all available Aeration Tanks are online, and it appears that mixed liquor is in danger of being washed out, shut off air in the final 2 zones of the aeration tanks to help retain solids.
- If flows are such that tanks may overflow or the process will be lost, consider a Control Diversion. The Chief Operator shall be notified of any such consideration.
- The Chief Operator shall be notified of any known or suspected violations of permit as soon as possible.
- Frequently monitor (every 2 to 3 hours minimum) all major pieces of equipment and processes during high flows, especially influent and Actiflo effluent pumps, influent screening, primary sludge pumps and grit classifiers, tanks and effluent quality.

DECREASING FLOWS

- Monitor Parshall Flume to see if Actiflo Effluent pumps are still required. When pumps are shut down and Sluice Gate 1 is reopened, ensure effluent sampler tube is hanging down into main flow of effluent and has not been displaced into Actiflo Sump.
- Check influent pumps, place #2 pump back in remote if no longer required to run continuously.
- Reduce hypo dosage as indicated by dechlor residual.

ALARM SET POINTS

- Alarm/dial-out point for high flow is 15 MGD; this point is not to be changed prior to a high flow event without permission from the Chief Operator.
- Once an event has commenced and the plant is manned, the set point may be changed to prevent nuisance alarms and repeated dial outs.

WET WEATHER/HIGH FLOW(15 MGD+) EVENTS STANDARD OPERATING PROCEDURE

Revised February 2019

- When the event is over (flows steadily decreasing and plant is stable) and it's deemed unlikely the flows will rise again, a higher alarm set point may temporarily be chosen to allow personnel to leave the plant and minimize chances of another call-out. This set point shall not exceed 18 MGD without permission from the Chief Operator.
- When flows return to normal the set point shall be returned to 15 MGD. Any changes to the High Flow Set Point should be noted in the Ops Office Log Book.

DIVISION OF WATER

WASTEWATER FACILITY OPERATION REPORT FOR THE MONTH OF December, 2018

SPDES PERMIT NO. NY 0026638			FACILITY NAME Ithaca Area Wastewater Treatment Facility					FACILITY OWNER Ithaca (C) Ithaca (T) Dryden (T)				FACILITY IAWWTF					
Day	Date	Daily Precip in/day	VOLUME OF SEWAGE TREATED			TEMPERATURE (F)		pH (s.u.)				SETTLABLE SOLIDS (ml/l)		B.O.D.5 (mg/l)		SUSPENDED SOLIDS (mg/l)	
			Inst.Max. MGD	Daily Average MGD	Inst.Min. MGD	Influent (2)	Effluent (2)	Influent Minimum	Influent Maximum	Effluent Minimum	Effluent Maximum	Influent Maximum	Effluent Maximum	Influent Type	Effluent Type	Influent Type	Effluent Type
Sat	01	0.01	11.00	8.18	5.40	58	57	7.3	7.5	7.2	7.3	8.5	<0.10				
Sun	02	0.21	12.00	8.664	5.00	60	57	7.5	7.5	7.1	7.2	5.8	<0.10				
Mon	03	0.08	12.00	8.38	5.00	60	57	7.3	7.6	7.1	7.4	7.8	<0.10	231	9	135	6
Tue	04	0.12	12.00	8.26	4.50	60	56	7.5	7.6	7.2	7.4	10.3	<0.10	156	19	134	8
Wed	05		10.50	6.89	3.50	58	56	7.5	7.6	7.4	7.4	7.8	<0.10				
Thu	06		9.70	7.39	3.80	59	57	7.5	7.6	7.2	7.4	9.3	<0.10				
Fri	07	0.01	10.00	6.984	4.00	58	56	7.6	7.7	7.4	7.4	9.2	<0.10				
Sat	08	0.03	10.50	6.773	3.50	57	58	7.5	7.6	7.2	7.3	10.3	<0.10				
Sun	09	0.00	9.50	6.699	3.80	59	56	7.4	7.5	7.1	7.3	9.0	<0.10				
Mon	10	0.00	10.00	6.617	3.00	58	56	7.5	7.8	7.2	7.4	6.3	<0.10	177	12	152	4
Tue	11	0.00	9.70	6.417	3.10	59	56	7.5	7.6	7.3	7.5	9.7	<0.10	204	11	166	4
Wed	12	0.02	9.00	6.178	3.40	57	56	7.5	7.8	7.2	7.5	9.2	<0.10				
Thu	13		9.10	6.205	3.50	59	56	7.5	7.7	7.3	7.4	10.5	<0.10				
Fri	14		9.50	6.166	2.50	59	57	7.4	7.6	7.4	7.6	8.7	<0.10				
Sat	15	0.00	8.60	5.635	2.80	58	57	7.5	7.6	7.3	7.4	8.8	<0.10				
Sun	16	0.00	9.00	5.816	3.00	59	57	7.5	7.5	7.2	7.3	8.0	<0.10				
Mon	17	0.11	8.50	5.696	2.30	58	55	7.4	7.6	7.3	7.4	9.7	<0.10	203	22	169	4
Tue	18		7.90	5.266	2.80	58	55	7.2	7.5	7.3	7.4	7.2	<0.10	218	23	144	4
Wed	19		8.50	5.233	2.50	58	55	7.6	7.8	7.5	7.5	7.3	<0.10				
Thu	20	0.00	8.10	5.807	4.30	59	55	7.5	7.7	7.2	7.3	8.0	<0.10				
Fri	21	0.39	23.50	12.285	6.40	57	55	7.5	7.8	7.2	7.4	6.2	<0.10				
Sat	22	0.95	15.20	11.098	7.80	56	53	7.4	7.5	7.5	7.6	1.8	<0.10				
Sun	23		12.50	8.542	5.50	58	53	7.4	7.5	7.4	7.8	1.2	<0.10	81	17	50	5
Mon	24	0.10	10.20	7.45	4.50	55	52	7.5	7.5	7.3	7.4	3.5	<0.10	120	14	58	4
Tue	25	0.02	9.00	6.632	4.50	55	52	7.5	7.5	7.2	7.2	2.3	<0.10				
Wed	26	0.01	9.50	6.653	4.10	55	53	7.3	7.5	7.3	7.4	3.5	<0.10	188	9	110	4
Thu	27		9.20	6.572	4.20	54	53	7.4	7.5	7.2	7.3	4.0	<0.10	183	10	87	4
Fri	28	0.07	9.40	6.337	3.70	56	53	7.4	7.6	7.2	7.3	5.7	<0.10				
Sat	29	0.04	8.40	6.105	3.50	56	53	7.2	7.5	7.2	7.6	5.0	<0.10				
Sun	30	0.02	7.20	4.900	3.00	54	53	7.4	7.5	7.3	7.4	2.7	<0.10				
Mon	31	0.00	10.50	7.226	4.20	55	53	7.3	7.5	7.3	7.4	4.0	<0.10	120	22	92	4
		Total Precip 2.19		Monthly 7.002		Monthly Influent 57	Average Effluent 55	Monthly Minimum Maximum Minimum Maximum 7.2 7.8 7.1 7.8				Monthly Maximum 10.5	Monthly Maximum <0.10	30 day arithmetic mean (1) Inf.(mg/l) Eff.(mg/l) 171 15		30 day arithmetic mean (1) Inf.(mg/l) Eff.(mg/l) 118 5	
				Monthly Total 217.041								30 Day Avg Quantity Loading (1) 9,791 lbs/day		882 lbs/day	6,715 lbs/day	278 lbs/day	

(1) Refer to January 1994 edition of *Dmr Manual for Completing the Discharge Monitoring Report for the National Pollutant Discharge Elimination System (NPDES)*

for procedures to calculate loadings, arithmetic mean, geometric mean, maximum, minimum, percent removal, etc.

(2) If temperature is measured more than once a day, report the average for the day.

NOTE: Refer to current SPDES permit for specific monitoring requirements. Sample type for temperature, pH and settleable solids is grab

FACILITY MAILING ADDRESS (Street, City, State, Zip Code)				TELEPHONE NUMBER		CHIEF OPERATOR'S NAME		CERTIFICATION GRADE
525 Third Street, Ithaca N.Y. 14850				(607) 273-8381		CJ Kilgore		4 - A
Day	Date	TOTAL PHOSPHORUS(mg/l)		PHOS TMRA Eff	CHLORINE RESIDUAL Effluent mg/l		FECAL COLIFORM Effluent MF or MPN/100ml	REMARKS Enter any other comments, observations, operating problems, equipment failure, etc.
		Influent Type	Effluent Type		Pre-SO2	Post SO2		
Sat	01				0.58	0.030		
Sun	02				0.42	0.000		
Mon	03	3.10	0.07		0.49	0.020	2	
Tue	04	2.45	0.10		0.41	0.020	6	
Wed	05				0.52	0.020	2	
Thu	06				0.58	0.030		
Fri	07				0.42	0.030		
Sat	08				0.40	0.020		
Sun	09				0.64	0.010		
Mon	10	3.63	0.11		0.56	0.030	4	
Tue	11	3.54	0.08		0.52	0.000	2	
Wed	12				0.53	0.010		
Thu	13				0.45	0.020		
Fri	14				0.37	0.030		
Sat	15				0.46	0.050		
Sun	16				0.40	0.010		
Mon	17	3.27	0.11		0.29	0.030	16	
Tue	18	3.43	0.12		0.34	0.030	17	
Wed	19				0.42	0.040		
Thu	20				0.31	0.030		
Fri	21				0.22	0.000	1	
Sat	22				0.22	0.020		
Sun	23	0.98	0.01		0.56	0.020		
Mon	24	0.95	0.01		0.40	0.020		
Tue	25				0.34	0.020		
Wed	26	1.89	0.05		0.33	0.030	12	
Thu	27	1.77	0.05		0.28	0.020	5	
Fri	28				0.38	0.030	1	
Sat	29				0.39	0.030		
Sun	30				0.46	0.003		
Mon	31	2.12	0.05		0.12	0.010	1	
		30 day arithmetic mean (1) Influent(mg/l) Effluent(mg/l)		TMRA Eff	Monthly Minimum(1) Maximum(1)		30 Day Geo. Mean (1)	
		2.47	0.07		0.12	0.050	3	
		139.96	3.86	9.09				
		lbs/day	lbs/day	lbs/day				

(1) Refer to January 1994 edition of Dmr Manual for Completing the Discharge Monitoring Report for the National Pollutant Discharge Elimination System (NPDES) for procedures to calculate loadings, arithmetic mean, geometric mean, maximum, minimum, percent removal, etc.

NOTE: Refer to current SPDES permit for specific monitoring requirements. Sample type for chlorine residual and fecal coliform is grab.

		NON-CONVENTIONAL POLLUTANTS NY0026638																		
		SEMI-VOLATILE ORGANICS										METALS								
		TKN mg/l	TKN mg/l	AMM mg/l	AMM mg/l	TRI ug/l	TETRA ug/l	CHLORO ug/l	1,2 TRANS ug/l	METH ug/l	PHTHAL ug/l	Ca mg/l	Ca mg/l	Cu mg/l	Cu mg/l	Pb mg/l	Ni mg/l	Ag mg/l	Zn mg/l	
Day	Date	Influent Sample	Effluent Type	Influent Sample	Effluent Type	Effluent Sample	Effluent Sample	Effluent Sample	Effluent Sample	Effluent Sample	Effluent Sample	Influent Sample	Effluent Sample	Influent Sample	Effluent Sample	Effluent Sample	Effluent Sample	Effluent Sample	Effluent Sample	
Sat	01																			
Sun	02																			
Mon	03																			
Tue	04																			
Wed	05																			
Thu	06																			
Fri	07																			
Sat	08																			
Sun	09																			
Mon	10																			
Tue	11	33.8	21.7	24.7	20.4	<1.0	<1.0	1.2	<1.0	<5.0		<0.020	<0.020	0.064	<0.020					
Wed	12																			
Thu	13																			
Fri	14																			
Sat	15																			
Sun	16																			
Mon	17																			
Tue	18																			
Wed	19																			
Thu	20																			
Fri	21																			
Sat	22																			
Sun	23																			
Mon	24	9.4	7.2	6.5	8.1															
Tue	25																			
Wed	26	11.5	6.4	7.7	5.8															
Thu	27	20.8	6.6	14.9	6.3															
Fri	28	16.2	7.5	10.1	8.1															
Sat	29																			
Sun	30																			
Mon	31																			
30 day arithmetic mean (1)		18.34 mg/l	9.88 mg/l	12.78 mg/l	9.74 mg/l	<1.0 ug/l	<1.0 ug/l	1.2 ug/l	<1.0 ug/l	<5.0 ug/l	ug/l	<0.020 mg/l	<0.020 mg/l	0.064 mg/l	<0.020 mg/l	mg/l	mg/l	mg/l	mg/l	
30 Day Aver. Quantity Loading (1)		1,005.5 lbs/day	544.4 lbs/day	700.7 lbs/day	538.1 lbs/day	<0.054 lbs/day	<0.054 lbs/day	0.064 lbs/day	<0.054 lbs/day	<0.268 lbs/day	lbs/day	<1.07 lbs/day	<1.07 lbs/day	3.43 lbs/day	<1.07 lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	

(1) Refer to January 1994 edition of DMR Manual for Completing the Discharge Monitoring Report for the National Pollutant Discharge Elimination System (NPDES) for procedures to calculate loading, arithmetic mean, geometric mean, maximum, minimum, percent removal, etc.

Effect on Receiving Stream

NAME OF RECEIVING STREAM			
DATE	STATION	PARAMETER	RESULT

Name and amount of chemicals used in treatment

Process during month:

- a. Sodium Hypochlorite 3,706 gal.
- b. Sulfur Dioxide 690 lbs.
- c. Ferrous Chloride 2518 gal.
- d. Polymer (Pressing) lbs.
- e. Ferric Chloride 12790 gal.
- f. Polymer (Actiflo) gal.

Amount of electrical power consumed:

- a. Commercial 241,200 kw.hrs.
- b. Stand-by kw.hrs.

Amount of fuel consumed:

- a. Natural gas 1,453,100 cubic ft.
- b. Oil gallons
- c. Gasoline gallons
- d. Coal tons
- e. Digester Gas 3,523,000 cubic ft.
- f. Propane gallons

Sludge removal from plant:

- a. Amount 138.4 Dry Tons
- b. Solid Content 23.1 %
- c. Volatile Solids Content 61.4 %
- d. Disposal site :

Seneca Meadows Landfill, Waterloo, NY, 13165
Ontario Cty. Landfill, Stanley, NY, 14561

Other Solid Wastes:

- a. Screenings 18 YARDS
- b. Grit Combined amt. with screenings
- c. Ashes tons
- d. _____
- e. _____
- f. _____

g. Disposal Site:

Seneca Meadows Landfill, Waterloo, NY 13165
Ontario Cty. Landfill, Stanley, NY, 14561
Chemung Cty. Landfill, Lowman, NY, 14861

Digester Gas Wasted 55,000 cubic feet

TRUCKED WASTE RECEIVED THIS MONTH		
1. Septage, holding tank waste and portable toilet waste		
	Total	Max day
Volume (gallons)	214,250	214,250
2. All other wastes		
	Total	Max day
Volume (gallons)	1,414,876	1,414,876
3. Number of Part 364 haulers currently approved to transport wastes to this POTW		
a. Septage, etc.	13	
b. All others	3	

Labor expended:

POSITION NAME	NUMBER FULL TIME	NUMBER PART TIME	TOTAL HOURS
Chief Operator	1	0	160.0
Assistant Chief Operator	0	1	64.0
Operator	6	0	1,000.0
Operator-Trainee	1	0	280.0
Laboratory Director	1	0	160.0
Laboratory Technician	1	0	160.0
Administrative Assistant	1	0	160.0
Interns	0	0	
Maintenance Worker	0	1	160

I hereby affirm under penalty of perjury that information provided on this form is true to the best of my knowledge and belief. False statements made herein are punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law.

Signature of Chief Operator or Designated Facility Representative Chief Operator - 10 JAN 2019 272017.00
0.00

DMR Copy of Record

Permit					
Permit #:	NY0026638	Permittee:	ITHACA (C) - (T) - DRYDEN (T)	Facility:	ITHACA AREA WWTF
Major:	Yes	Permittee Address:	525 THIRD STREET ITHACA, NY 14850	Facility Location:	525 THIRD STREET ITHACA, NY 14850
Permitted Feature:	001 External Outfall	Discharge:	001-M WWTP OUTFALL		

Report Dates & Status					
Monitoring Period:	From 12/01/18 to 12/31/18	DMR Due Date:	01/28/19	Status:	NetDMR Validated

Considerations for Form Completion

Principal Executive Officer					
First Name:	Michael	Title:	Superintendent of Public Works	Telephone:	607-274-6527
Last Name:	Thorne				

No Data Indicator (NODI)
Form NODI: --

Code	Parameter Name	Monitoring Location	Season #	Param. NODI	Quantity or Loading					Quality or Concentration					# of Ex.	Frequency of Analysis	Sample Type									
					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3				Value 3	Units							
00011	Temperature, water deg. fahrenheit	1 - Effluent Gross	0	--	Sample									=	58	15 - deg F	03/01 - Three Per Day	GR - GRAB								
					Permit Req.											<=			90 DAILY MX	15 - deg F						
					Value NODI																					
00011	Temperature, water deg. fahrenheit	G - Raw Sewage Influent	0	--	Sample									=	60	15 - deg F	03/01 - Three Per Day	GR - GRAB								
					Permit Req.															Req Mon DAILY MX	15 - deg F					
					Value NODI																					
00310	BOD, 5-day, 20 deg. C	1 - Effluent Gross	0	--	Sample	=	882	=	1028	26 - lb/d			=	15	=	23	19 - mg/L	02/07 - Twice Every Week	24 - COMP24							
					Permit Req.	<=	2502 30DA AVG	<=	3753 7 DA AVG	26 - lb/d			<=	30 30DA AVG	<=	45 7 DA AVG	19 - mg/L									
					Value NODI																					
00310	BOD, 5-day, 20 deg. C	G - Raw Sewage Influent	0	--	Sample								=	171		19 - mg/L	02/07 - Twice Every Week	24 - COMP24								
					Permit Req.															Req Mon 30DA AVG	19 - mg/L					
					Value NODI																					
00400	pH	1 - Effluent Gross	0	--	Sample							=	7.1		=	7.8	12 - SU	03/01 - Three Per Day	GR - GRAB							
					Permit Req.																>=	6 MINIMUM	<=	9 MAXIMUM	12 - SU	
					Value NODI																					
00400	pH	G - Raw Sewage Influent	0	--	Sample							=	7.2		=	7.8	12 - SU	03/01 - Three Per Day	GR - GRAB							
					Permit Req.																		Req Mon MINIMUM	Req Mon MAXIMUM	12 - SU	
					Value NODI																					
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	278	=	485	26 - lb/d			=	5	=	7	19 - mg/L	02/07 - Twice Every Week	24 - COMP24							
					Permit Req.	<=	2502 30DA AVG	<=	3753 7 DA AVG	26 - lb/d			<=	30 30DA AVG	<=	45 7 DA AVG	19 - mg/L									
					Value NODI																					
00530	Solids, total suspended	G - Raw Sewage Influent	0	--	Sample								=	118		19 - mg/L	02/07 - Twice Every Week	24 - COMP24								
					Permit Req.																	Req Mon 30DA AVG	19 - mg/L			
					Value NODI																					
00545	Solids, settleable	1 - Effluent Gross	0	--	Sample										<	0.1	25 - mL/L	03/01 - Three Per Day	GR - GRAB							
					Permit Req.																		<=	.3 DAILY MX	25 - mL/L	
					Value NODI																					
00545	Solids, settleable	G - Raw Sewage Influent	0	--	Sample										=	10.5	25 - mL/L	03/01 - Three Per Day	GR - GRAB							
					Permit Req.																				Req Mon DAILY MX	25 - mL/L
					Value NODI																					
00625	Nitrogen, Kjeldahl, total [as N]	1 - Effluent Gross	0	--	Sample										=	21.7	19 - mg/L	01/30 - Monthly	24 - COMP24							
					Permit Req.																				Req Mon DAILY MX	19 - mg/L
					Value NODI																					
00625	Nitrogen, Kjeldahl, total [as N]	G - Raw Sewage Influent	0	--	Sample										=	33.8	19 - mg/L	01/30 - Monthly	24 - COMP24							
					Permit Req.																				Req Mon DAILY MX	19 - mg/L
					Value NODI																					
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample	=	9.09			26 - lb/d								02/07 - Twice Every Week	24 - COMP24							
					Permit Req.	<=	40 Agg Rol Av			26 - lb/d																
					Value NODI																					
01027	Cadmium, total [as Cd]	1 - Effluent Gross	0	--	Sample	<	1.09	<	1.09	26 - lb/d								01/30 - Monthly	24 - COMP24							
					Permit Req.		Req Mon DAILY AV	<=	2.2 DAILY MX	26 - lb/d																
					Value NODI																					
34475	Tetrachloroethylene	1 - Effluent Gross	0	--	Sample	<	0.054	<	0.054	26 - lb/d								01/30 - Monthly	GR - GRAB							
					Permit Req.	<=	1 DAILY AV	<=	1.3 DAILY MX	26 - lb/d																
					Value NODI																					
34726	Nitrogen, ammonia, total [as NH3]	1 - Effluent Gross	0	--	Sample										=	20.4	19 - mg/L	01/30 - Monthly	24 - COMP24							
					Permit Req.																			Req Mon DAILY MX	19 - mg/L	
					Value NODI																					

34726 Nitrogen, ammonia, total [as NH3]	G - Raw Sewage Influent	0	--	Sample						=	24.7	19 - mg/L	01/30 - Monthly	24 - COMP24
				Permit Req.							Req Mon DAILY MX	19 - mg/L	01/30 - Monthly	24 - COMP24
				Value NODI										
39180 Trichloroethylene	1 - Effluent Gross	0	--	Sample	<	0.054	<	0.054	26 - lb/d				01/30 - Monthly	GR - GRAB
				Permit Req.	<=	4.2 DAILY AV			Req Mon DAILY MX 26 - lb/d				01/30 - Monthly	GR - GRAB
				Value NODI										
50050 Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	7.002			03 - MGD				99/99 - Continuous	RC - Recorder (auto)
				Permit Req.	<=	13.1 30DAARME			03 - MGD				99/99 - Continuous	RC - Recorder (auto)
				Value NODI										
50060 Chlorine, total residual	1 - Effluent Gross	0	--	Sample						=	0.05	19 - mg/L	03/01 - Three Per Day	GR - GRAB
				Permit Req.	<=					<=	.1 DAILY MX	19 - mg/L	03/01 - Three Per Day	GR - GRAB
				Value NODI										
74055 Coliform, fecal general	1 - Effluent Gross	0	--	Sample						=	3	16	02/07 - Twice Every Week	GR - GRAB
				Permit Req.	<=	200 30DA GEO				<=	400 7 DA GEO	13 - #/100mL	02/07 - Twice Every Week	GR - GRAB
				Value NODI										
81010 BOD, 5-day, percent removal	K - Percent Removal	0	--	Sample						=	91	23 - %	01/30 - Monthly	CA - CALCTD
				Permit Req.	>=	85 MO AV MN						23 - %	01/30 - Monthly	CA - CALCTD
				Value NODI										
81011 Solids, suspended percent removal	K - Percent Removal	0	--	Sample						=	96	23 - %	01/30 - Monthly	CA - CALCTD
				Permit Req.	>=	85 MO AV MN						23 - %	01/30 - Monthly	CA - CALCTD
				Value NODI										

Submission Note
If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors
No errors.

Comments

Attachments

Name	Type	Size
DECEMBER-2018-SPDES-OP-REPORT.pdf	pdf	337081

Report Last Saved By
ITHACA (C) - (T) - DRYDEN (T)
User: MRHANKIE
Name: CJ KILGORE
E-Mail: ckilgore@cityofithaca.org
Date/Time: 2019-01-10 10:46 (Time Zone: -05:00)

Report Last Signed By
User: MRHANKIE
Name: CJ KILGORE
E-Mail: ckilgore@cityofithaca.org
Date/Time: 2019-01-10 10:47 (Time Zone: -05:00)

DMR Copy of Record

Permit					
Permit #:	NY0026638	Permittee:	ITHACA (C) - (T) - DRYDEN (T)	Facility:	ITHACA AREA WWTF
Major:	Yes	Permittee Address:	525 THIRD STREET ITHACA, NY 14850	Facility Location:	525 THIRD STREET ITHACA, NY 14850
Permitted Feature:	001 External Outfall	Discharge:	001-V OUTFALL 001 ACTION LEVELS		

Report Dates & Status					
Monitoring Period:	From 10/01/18 to 12/31/18	DMR Due Date:	01/28/19	Status:	NetDMR Validated

Considerations for Form Completion

Principal Executive Officer					
First Name:	Michael	Title:	Superintendent of Public Works	Telephone:	607-274-6527
Last Name:	Thorne				

No Data Indicator (NODI)
Form NODI: --

Code	Parameter Name	Monitoring Location	Season #	Param. NODI	Quantity or Loading					Quality or Concentration					# of Ex.	Frequency of Analysis	Sample Type		
					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3				Value 3	Units
01042	Copper, total [as Cu]	V - See Comments	0	--	Sample		<	1.09	26 - lb/d								01/90 - Quarterly	24 - COMP24	
					Permit Req.		<=	5.6 DAILY MX	26 - lb/d									01/90 - Quarterly	24 - COMP24
					Value NODI														
01051	Lead, total [as Pb]	V - See Comments	0	--	Sample		<	1.09	26 - lb/d								01/90 - Quarterly	24 - COMP24	
					Permit Req.		<=	4.6 DAILY MX	26 - lb/d									01/90 - Quarterly	24 - COMP24
					Value NODI														
01067	Nickel, total [as Ni]	V - See Comments	0	--	Sample		<	1.09	26 - lb/d								01/90 - Quarterly	24 - COMP24	
					Permit Req.		<=	8.2 DAILY MX	26 - lb/d									01/90 - Quarterly	24 - COMP24
					Value NODI														
01077	Silver, total [as Ag]	V - See Comments	0	--	Sample		<	1.09	26 - lb/d								01/90 - Quarterly	24 - COMP24	
					Permit Req.		<=	1.8 DAILY MX	26 - lb/d									01/90 - Quarterly	24 - COMP24
					Value NODI														
01092	Zinc, total [as Zn]	V - See Comments	0	--	Sample		<	1.09	26 - lb/d								01/90 - Quarterly	24 - COMP24	
					Permit Req.		<=	10.8 DAILY MX	26 - lb/d									01/90 - Quarterly	24 - COMP24
					Value NODI														
32106	Chloroform	V - See Comments	0	--	Sample		=	0.13	26 - lb/d								01/90 - Quarterly	GR - GRAB	
					Permit Req.		<=	.8 DAILY MX	26 - lb/d									01/90 - Quarterly	GR - GRAB
					Value NODI														
34423	Methylene chloride	V - See Comments	0	--	Sample		<	0.272	26 - lb/d								01/90 - Quarterly	GR - GRAB	
					Permit Req.		<=	1.9 DAILY MX	26 - lb/d									01/90 - Quarterly	GR - GRAB
					Value NODI														
34546	trans-1,2-Dichloroethylene	V - See Comments	0	--	Sample		<	0.054	26 - lb/d								01/90 - Quarterly	GR - GRAB	
					Permit Req.		<=	.8 DAILY MX	26 - lb/d									01/90 - Quarterly	GR - GRAB
					Value NODI														
39100	Di[2-ethylhexyl] phthalate [DEHP]	V - See Comments	0	--	Sample		<	0.27	26 - lb/d								01/90 - Quarterly	GR - GRAB	
					Permit Req.		<=	1.8 DAILY MX	26 - lb/d									01/90 - Quarterly	GR - GRAB
					Value NODI														

Submission Note
If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors
No errors.

Comments

Attachments
No attachments.

Report Last Saved By
ITHACA (C) - (T) - DRYDEN (T)
User: MRHANKIE
Name: CJ KILGORE
E-Mail: ckilgore@cityofithaca.org
Date/Time: 2019-01-09 09:58 (Time Zone: -05:00)

Report Last Signed By

User: MRHANKIE
Name: CJ KILGORE
E-Mail: ckilgore@cityofithaca.org
Date/Time: 2019-01-10 10:49 (Time Zone: -05:00)

**SJC RESOLUTION NO. --REQUESTING JOINT SEWER AGREEMENT
AMENDMENT TO ELIMINATE CHAIRPERSON TERM LIMIT**

WHEREAS, the Ithaca Area Wastewater Treatment Facility (“IAWTF”) is owned and operated by the City of Ithaca, Town of Ithaca, and Town of Dryden (“Municipal Owners”), with oversight provided through this Special Joint Committee (“SJC”) composed of representatives from the three Municipal Owners,

WHEREAS, the Municipal Owners entered into a December 31, 2003 Joint Sewer Agreement that governs IAWTF administration and operations,

WHEREAS, Section 13.3 of the Joint Sewer Agreement provides as follows:

“13.3 The SJC will elect its own chairperson annually and shall establish scheduled monthly meeting dates to provide for timely referrals to the Parties’ respective boards or governing bodies. No chairperson shall serve for more than two consecutive one-year terms but may be re-elected after a minimum of a one-term period has elapsed since that person last served as chairperson.”

WHEREAS, the SJC recommends elimination of the limit on a chairperson serving more than two consecutive terms, because it often takes an SJC chairperson more than a year to develop enough understanding of the IAWTF and the chairperson role to function efficiently and effectively with the other SJC members and staff,

WHEREAS, Section 17.1 of the Joint Sewer Agreement provides that it may be amended as follows:

“17.1 This Agreement may be modified or amended by an instrument in writing, duly executed and acknowledged by the duly authorized representatives of each Party, upon approval by majority vote of the voting strength of the respective governing bodies of said Party.”

RESOLVED, the SJC requests that the Municipal Owners approve and execute an amendment to the Joint Sewer Agreement that eliminates the chairperson term limit by deleting the second sentence in Section 13.3, so that Section 13.3 reads as follows:

“13.3 The SJC will elect its own chairperson annually and shall establish scheduled monthly meeting dates to provide for timely referrals to the Parties’ respective boards or governing bodies.”

MOVED:

SECONDED:

VOTE:

DATE: