

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, November 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) Possible vote to approve new trucking rates
- 5) Presentation/Discussion Items
 - a) City Harbor DEC Application -- *applicant*
 - b) Monitoring Station Overview – *CJ Kilgore Chief Operator*
 - c) Biochar Working Group Update – *Cynthia Brock*
- 6) Announcements / Other Business
- 7) Adjournment

Upcoming Meeting Dates: December 18, January 15

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 October 31, 2019
 11/14/2019

Revenues:							
J8150							
Account #	Description	Budget	Actual	Excess or (Deficiency)	% Rec'd		
2373	Septage Service Other	\$ 420,000	\$ 303,192	\$ (116,808)	72.19%		
2374	Sewer Service Other Govt's	\$ 2,824,544	\$ 2,824,544	\$ -	100.00%		
2392	Debt Service Other Govt's	\$ 896,696	\$ -	\$ (896,696)	0.00%		
2401	Interest & Earnings	\$ 3,000	\$ -	\$ (3,000)	0.00%		
2665	Sale of Equipment	\$ 3,000	\$ 518	\$ (2,482)	17.27%		
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 10/31/19		\$ 4,148,740	\$ 3,128,254	\$ (1,020,486)	75.40%		

IAWWTF
Approved Budget and Actual Activity
As of October 31, 2019
11/14/2019

Expenditures:							
J8150							
Account #	Description	Budget	Actual	Available Balance	% Used		
<i>Operations:</i>							
1920	Municipal Association Dues	\$ 1,119	\$ -	\$ 1,119	0.00%		
1990	Contingency Account	\$ 20,000	\$ -	\$ 20,000	0.00%		
5105	Administration Salaries	\$ 69,255	\$ 55,361	\$ 13,894	79.94%		
5110	Staff Salaries	\$ 813,202	\$ 545,880	\$ 267,322	67.13%		
5115	Hourly F/T	\$ 38,197	\$ 31,274	\$ 6,923	81.88%		
5120	Hourly P/T	\$ 25,000	\$ 49,850	\$ (24,850)	199.40%		
5125	Overtime	\$ 22,000	\$ 12,867	\$ 9,133	58.49%		
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	\$ 4,504	\$ 1,696	72.65%		
5410	Utilities	\$ 283,000	\$ 164,706	\$ 118,294	58.20%		
5415	Clothing	\$ 6,500	\$ 6,519	\$ (19)	100.29%		
5420	Gas & Oil	\$ 10,000	\$ 3,380	\$ 6,620	33.80%		
5425	Office Expense	\$ 2,000	\$ 1,226	\$ 774	61.30%		
5430	Fees	\$ 115,000	\$ 62,596	\$ 52,404	54.43%		
5435	Contracts	\$ 185,000	\$ 152,092	\$ 32,908	82.21%		
5436	Overhead Charge City General Fund	\$ 189,790	\$ 94,895	\$ 94,895	50.00%		
5440	Staff Development	\$ 18,000	\$ 12,657	\$ 5,343	70.32%		
5450	Advertising	\$ 200	\$ 9	\$ 191	4.50%		
5455	Insurance	\$ 128,000	\$ 137,444	\$ (9,444)	107.38%		
5475	Property Maintenance	\$ -	\$ -	\$ -	0.00%		
5476	Equipment Maintenance	\$ -	\$ -	\$ -	0.00%		
5477	Equipment Parts	\$ 100,000	\$ 152,415	\$ (52,415)	152.42%		
5479	Vehicle Maintenance	\$ 2,000	\$ -	\$ 2,000	0.00%		
5480	Building Maintenance Supplies	\$ 22,000	\$ 5,941	\$ 16,059	27.00%		
5494	Safety Materials & Supplies	\$ 6,000	\$ 5,042	\$ 958	84.03%		
5495	Treatment Supplies	\$ 402,000	\$ 360,229	\$ 41,771	89.61%		
5496	Lab Supplies	\$ 84,000	\$ 74,664	\$ 9,336	88.89%		
5499	Sludge Disposal Fees	\$ 320,000	\$ 336,331	\$ (16,331)	105.10%		
5700	Prior Year Encumbrances	\$ 85,631	\$ 85,631	\$ -	0.00%		
5720	Prior Year Equipment	\$ 30,000	\$ 30,000	\$ -	0.00%		
	Sub-Totals	\$ 3,044,094	\$ 2,385,513	\$ 658,581	78.37%		
<i>Benefits:</i>							
9010	State Retirement	\$ 110,925	\$ -	\$ 110,925	0.00%		
9030	Social Security	\$ 74,026	\$ 54,314	\$ 19,712	73.37%		
9040	Workers Compensation	\$ 29,160	\$ 11,753	\$ 17,407	40.31%		
9050	Unemployment Insurance	\$ -	\$ -	\$ -	0.00%		
9060	Health Insurance	\$ 354,620	\$ 376,204	\$ (21,584)	106.09%		
9070	Dental Insurance	\$ 3,200	\$ 3,207	\$ (7)	100.22%		
9080	Day Care Assistance	\$ 250	\$ -	\$ 250	0.00%		
9089	Employee Tuition	\$ 1,400	\$ -	\$ 1,400	0.00%		
	Sub-Totals	\$ 573,581	\$ 445,478	\$ 128,103	77.67%		
<i>Debt Service</i>							
9710	Serial Bonds	\$ 428,702	\$ 428,702	\$ -	100.00%		
9711	Interest on Serial Bonds	\$ 357,057	\$ 353,629	\$ 3,428	99.04%		
9730	BANS	\$ 35,556	\$ 35,556	\$ -	100.00%		
9731	Interest on BANS	\$ 75,381	\$ 75,381	\$ -	100.00%		
	Sub-Totals	\$ 896,696	\$ 893,268	\$ 3,428	99.62%		
<i>Interfund Transfers</i>							
9951	Transfer to Capital Reserves	\$ -	\$ -	\$ -	0.00%		
	Sub-Totals	\$ -	\$ -	\$ -	0.00%		
	Total All Expenditures as of 10/31/19	\$ 4,514,371	\$ 3,724,259	\$ 790,112	82.50%		

IAWWTF
 Approved Budget and Actual Activity
 As of October 31, 2019
 11/14/2019

	Surplus(deficit) as of 10/31/19		\$ (365,631)	\$ (596,005)		\$ (230,374)	
	*\$250,000 was appropriated from Fund Balance surplus for 2019						

IAWWTP Joint Activity Capital Projects/Reserve and Fund Balance Summary 2019 as of 10/31/19

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		\$ 250,623.00						
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	\$ (319.92)	\$ (319.92)	\$ 102,927	\$ 103,246.92	\$ -	\$ 102,927.00	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	\$ -	\$ -	\$ 148,960	\$ 148,960.00	\$ -	\$ 148,960.00	Authorized, funded from NYSERDA Grant
422J	IAWWTF Design for Various Improvements to Plant	Active	\$ 7,193,225.35	\$ 7,193,225.35	\$ 7,624,175	\$ 430,949.65	\$ -	\$ 7,624,175.00	Authorized, capital reserve funding/Bonds
Total Capital Projects			\$ 7,788,456.64	\$ 7,915,599.84	\$ 30,366,098.00	\$ 22,874,589.16	\$ -	\$ 29,703,098.00	
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						
12/31/2018	Restricted for Capital		\$ 253,549	Capital reserves					
	Nonspendable		\$ 26,450	Prepaid expenses					
	Assigned		\$ 461,887	Encumbrances, next year budget					
	Unassigned		\$ 1,117,258						
	Total Fund Balance		\$ 1,859,144						

IAWWTP Flow Meter Stations Rehabilitation CP 414J										
Authorizations:							Amount	Source		
6/2/2004	CC regular Meeting						\$ 100,000.00	Capital Reserve J1/Bonds	issued 8/04	
12/9/2017	CC regular Meeting						\$ 2,927.00	Capital Reserve J1/Bonds		
Total Authorization							\$ 102,927.00			
Expenditures:										
Date	Payee		PO	Voucher	Amount	Comments				
10/17/2007	Dataflow			1024	\$ 123.00	inv 40209 for bid documents				
10/24/2007	Dataflow			1025	\$ 73.30	inv 40347 for additional documents				
11/15/2007	Ithaca Journal			1026	\$ 31.05	inv 1140935 legal ad				
	UPS			1027	\$ 30.40	inv AE5225407, AE5225417 delivery of documents				
11/24/2008	City of Ithaca W/S			1050	\$ 2,185.00	inv 8360 manholes provided to contractor				
12/18/2008	McPherson Builders	\$ 61,993.00		1057	\$ 59,808.00	App 1 final const work for Sanitary Sewer Flow Monitoring Station				
9/16/2010	Siemens Industry			1076	\$ 2,592.80	inv 5564418859 monitoring station upgrade Danby Road				
10/10/2010	McMaster-Carr			1077	\$ 621.18	inv 63622659 flow stations control cabinet				
10/27/2010	Siemens Industry			1078	\$ 487.86	inv 5564561637 monitoring station part				
2/1/2011	Pleasant Valley Electric Inc	ap10	\$ 5,074.84	1081	\$ 1,373.00	inv 18257 new service at the pump station				
2/25/2011	Pleasant Valley Electric Inc			1082	\$ 188.70	inv 18397 electrical work at breaker				
6/10/2011	Ritec			1084	\$ 504.16	inv 21130 monitoring station part				
6/12/2012	Process Control Specialists			1096	\$ 4,690.09	inv 12.036, 12.040, 12.041 for instrumentation for remote site flow metering stations				
8/22/2012	McMaster-Carr	\$ 5,065.31		1099	\$ 375.22	inv 32680468 flow meter equip				
5/31/2013	Process Control Specialists			1108	\$ 4,509.79	inv 13.035, 13.036 for instrumentation for remote site flow metering stations				
6/20/2013	Process Control Specialists	\$ 6,005.66		1109	\$ 1,495.87	inv 13.041, 13.048 for instrumentation for remote site flow metering stations				
12/31/2017	MRB Group			1282	\$ 710.00	inv 25796 Flow meter work 11/26/17-12/23/17				
2/26/2018	MRB Group			1283	\$ 1,668.67	inv 26014 Flow meter work 12/24/17-1/20/18				
3/17/2018	MRB Group			1287	\$ 1,748.67	inv 26214 Flow meter work 1/21/18-2/17/18				
4/9/2018	MRB Group			1288	\$ 5,577.34	inv 26419 Flow meter work 2/21/18-3/17/18				
5/8/2018	MRB Group			1289	\$ 2,023.55	inv 26762 Flow meter work 3/18/18-4/14/18				
6/13/2008	MRB Group			1291	\$ 880.00	inv 26762 Flow meter work 4/15/18-5/12/18				
7/9/2018	MRB Group			1293	\$ 777.34	inv 27129 Flow meter work 5/13/18-6/9/18				
8/6/2019	MRB Group			1295	\$ 1,257.34	inv 27373 Flow meter work 6/10/18-7/7/18				
9/10/2018	MRB Group			1300	\$ 457.34	inv 27687 Flow meter work 7/8/18-8/4/18				
9/25/2018	MRB Group			1301	\$ 1,120.00	inv 28014 Flow meter work 8/5/18-9/1/18				
10/23/2018	MRB Group			1303	\$ 480.00	inv 28236 Flow meter work 9/2/18-9/29/18				
12/31/2018	MRB Group			1306	\$ 1,188.67	inv 28812 Flow meter work 10/28/18-11/24/18				
3/14/2019	MRB Group	\$ 17,887.59		1320	\$ 1,120.00	inv 29641 Flow meter work 1/20/19-2/16/19				
4/15/2019	MRB Group		ap18	1322	\$ 708.67	inv 29095 Flow meter work 12/25/18-12/22/18				
	MRB Group			1322	\$ 320.00	inv 29957 Flow meter work 2/17/19-3/16/19				
5/20/2019	MRB Group		\$ 1,028.67	1324	\$ 1,120.00	inv 30412 Flow meter work 3/17/19-4/13/19				
7/22/2019	MRB Group			1325	\$ 2,720.00	inv 30958 Flow meter work 5/12/19-6/8/19				
10/8/2019	MRB Group			1331	\$ 279.91	inv 32113 Flow meter work 8/4/19-8/31/19				
Total Expenditures to date							\$ 103,246.92			
Balance of Authorization							\$ (319.92)			
Funding Sources:										
12/9/2013	From Capital Reserve J-1						\$ 100,000.00			
5/20/2019	From Capital Reserve J-1						\$ 2,927.00			
Total Funding							\$ 102,927.00			
Cash Balance							\$ (319.92)			
Contracts:										
		Amount	Expended	Balance						
McPherson Builders		\$ 59,808.00	\$ 59,808.00	\$						
MRB Group		\$ 23,837.50	\$ 24,157.50	\$ (320.00)	Design work					

DIVISION OF WATER

WASTEWATER FACILITY OPERATION REPORT FOR THE MONTH OF **September** , **2019**

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
Sun	01	0.00	7.50	5.69	4.50	71	73	7.5	7.6	7.7	7.8	11.7	<0.10				
Mon	02	1.03	10.40	6.550	3.30	71	73	7.6	7.7	7.8	7.8	7.0	<0.10				
Tue	03	0.00	8.00	6.06	2.90	72	72	7.6	7.9	7.8	7.9	13.7	<0.10			189	2
Wed	04	0.00	12.20	6.41	2.90	73	73	7.5	7.7	7.8	7.9	12.3	<0.10	131	10	174	3
Thu	05	0.00	9.00	5.74	2.50	73	73	7.6	7.7	7.8	7.9	11.5	<0.10	152	7		
Fri	06	0.01	8.00	5.47	2.60	72	72	7.7	7.9	7.8	7.9	11.8	<0.10				
Sat	07	0.01	7.60	5.335	2.60	72	72	7.6	7.7	7.7	7.9	9.3	<0.10				
Sun	08	0.00	8.00	5.404	3.40	71	72	7.5	7.6	7.8	7.9	10.0	<0.10				
Mon	09	0.00	8.50	5.769	2.90	72	73	7.6	7.8	7.8	7.9	14.2	<0.10				
Tue	10	0.00	8.60	5.919	2.60	72	72	7.6	7.9	7.8	8.0	9.3	<0.10	196	12	194	2
Wed	11	0.18	9.50	5.885	2.90	74	74	7.4	7.6	7.7	7.8	12.8	<0.10	136	11	173	1
Thu	12	0.07	8.50	5.624	2.50	71	74	7.6	7.8	7.7	7.8	14.3	<0.10				
Fri	13	0.00	7.80	5.259	2.40	71	73	7.6	7.7	7.8	7.9	14.7	<0.10				
Sat	14	0.02	7.50	5.072	2.40	70	72	7.6	7.7	7.8	7.9	9.8	0.10				
Sun	15	0.00	7.40	5.174	2.70	71	72	7.6	7.7	7.9	8.0	10.5	<0.10				
Mon	16	0.10	7.90	5.350	2.40	72	73	7.5	7.8	7.7	7.9	12.8	<0.10	194	16	208	2
Tue	17	0.00	8.50	5.409	2.70	72	73	7.6	7.7	7.8	8.0	12.8	<0.10	199	22	200	2
Wed	18	0.00	8.60	5.054	2.30	71	72	7.6	7.9	7.9	8.0	14.3	<0.10				
Thu	19	0.00	7.50	5.219	2.40	71	72	7.6	7.7	7.9	8.0	13.5	<0.10				
Fri	20	0.00	8.00	5.039	2.30	71	72	7.6	7.8	7.7	7.9	12.8	<0.10				
Sat	21	0.00	7.30	4.903	2.40	71	72	7.6	7.7	7.7	7.9	10.5	<0.10				
Sun	22	0.00	7.40	5.041	2.40	72	73	7.6	7.7	7.9	7.9	12.0	<0.10				
Mon	23	0.16	7.90	5.343	2.50	71	73	7.6	7.8	7.7	7.8	14.3	<0.10	232	24	186	4
Tue	24	0.01	7.50	5.13	2.00	71	73	7.5	7.9	7.8	7.9	11.3	<0.10	220	27	199	7
Wed	25	0.00	7.60	5.196	2.20	72	72	7.6	7.7	7.7	7.8	15.5	<0.10				
Thu	26	0.08	8.00	5.126	2.30	71	72	7.6	7.9	7.6	7.9	13.8	<0.10				
Fri	27	0.00	8.00	5.102	4.60	71	72	7.6	7.8	7.8	7.8	14.5	<0.10				
Sat	28	0.01	7.20	4.958	2.30	73	73	7.6	7.7	7.6	7.8	10.8	<0.10				
Sun	29	0.00	7.50	4.949	2.00	70	73	7.6	7.7	7.7	7.8	12.2	<0.10				
Mon	30	0.01	7.40	5.241	2.50	71	72	7.6	7.7	7.5	7.8	16.5	0.20	247	70	200	18
		Total Precip 1.69	Monthly 5.414			Monthly Influent 72	Average Effluent 73	Monthly Minimum Maximum Minimum Maximum 7.4 7.9 7.5 8.0				Monthly Maximum 16.5	Monthly Maximum 0.20	30 day arithmetic mean (1) Inf.(mg/l) Eff.(mg/l) 190 22		30 day arithmetic mean (1) Inf.(mg/l) Eff(mg/l) 191 5	
		Monthly Total 162.410										30 Day Avg Quantity Loading (1)		8,756 lbs/day	999 lbs/day	8,973 lbs/day	206 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	CHLORINE RESIDUAL		FECAL COLIFORM		REMARKS
		Influent Type	Effluent Type	TMRA Eff	Pre-SO2	Post SO2	Effluent MF or MPN/100ml		
Enter any other comments, observations, operating problems, equipment failure, etc.									
Sun	01				0.33	0.010			
Mon	02				0.21	0.030			
Tue	03	4.50	1.67		0.20	0.010	435		
Wed	04	4.36	1.51		0.18	0.010	248		
Thu	05				0.23	0.010			
Fri	06				0.46	0.020			
Sat	07				0.70	0.040			
Sun	08				0.71	0.040			
Mon	09				0.65	0.030	86		
Tue	10	4.52	1.38		0.52	0.040	68		
Wed	11	4.28	1.27		0.53	0.050			
Thu	12				0.60	0.040			
Fri	13				0.60	0.060			
Sat	14				0.69	0.030			
Sun	15				0.62	0.050			
Mon	16	4.96	1.41		0.56	0.020	40		
Tue	17	4.82	1.12		0.52	0.040	34		
Wed	18				0.54	0.040			
Thu	19				0.47	0.050			
Fri	20				0.51	0.050			
Sat	21				0.62	0.020			
Sun	22				0.61	0.040			
Mon	23	4.70	2.00		0.56	0.030	43		
Tue	24	4.80	2.13		0.38	0.030	57		
Wed	25				0.42	0.050			
Thu	26				0.56	0.030			
Fri	27				0.54	0.030			
Sat	28				0.50	0.010			
Sun	29				0.46	0.020			
Mon	30	5.20	2.72		0.39	0.030	20		
		30 day arithmetic mean (1)		TMRA	Monthly		30 Day Geo. Mean (1)		
		Influent(mg/l)	Effluent(mg/l)	Eff	Minimum(1)	Maximum(1)			
		4.68	1.69		0.18	0.060	70		
		219.37	78.68	18.14					
		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 Sample	TKN mg/l Type	AMM mg/l Sample	AMM mg/l Type	TRI ug/l Sample	TETRA ug/l Sample	CHLORO ug/l Sample	1,2 TRANS ug/l Sample	METH ug/l Sample	PHTHAL ug/l Sample	Ca mg/l Sample	Ca mg/l Sample	Cu mg/l Sample	Cu mg/l Sample	Pb mg/l Sample	Ni mg/l Sample	Ag mg/l Sample	Zn mg/l Sample	
Day	Date	Influent	Effluent	Influent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Influent	Effluent	Influent	Effluent	Effluent	Effluent	Effluent	Effluent	
Sun	01																			
Mon	02																			
Tue	03																			
Wed	04																			
Thu	05																			
Fri	06																			
Sat	07																			
Sun	08																			
Mon	09																			
Tue	10																			
Wed	11	32.4	30.4	19.6	24.9	<1.0	<1.0	2.3	<1.0	<5.0		<0.020	<0.020	0.162	0.020					
Thu	12																			
Fri	13																			
Sat	14																			
Sun	15																			
Mon	16																			
Tue	17																			
Wed	18																			
Thu	19																			
Fri	20																			
Sat	21																			
Sun	22																			
Mon	23																			
Tue	24																			
Wed	25																			
Thu	26																			
Fri	27																			
Sat	28																			
Sun	29																			
Mon	30																			
30 day arithmetic mean (1)		32.40 mg/l	30.40 mg/l	19.60 mg/l	24.90 mg/l	<1.0 ug/l	<1.0 ug/l	2.3 ug/l	<1.0 ug/l	<5.0 ug/l	ug/l	<0.020 mg/l	<0.020 mg/l	0.162 mg/l	0.020 mg/l	mg/l	mg/l	mg/l	mg/l	
30 Day Aver. Quantity Loading (1)		1,590.2 lbs/day	1,492.1 lbs/day	962.0 lbs/day	1,222.1 lbs/day	<0.049 lbs/day	<0.049 lbs/day	0.113 lbs/day	<0.049 lbs/day	<0.245 lbs/day	lbs/day	<0.98 lbs/day	<0.98 lbs/day	7.95 lbs/day	0.98 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.

Appendix B

SECTION 1



New York State Department of Environmental Conservation
Division of Water

Report of Noncompliance Event

To: DEC Water Contact Matt Russo DEC Region: 7

Report Type: 5 Day Permit Violation Order Violation Anticipated Noncompliance Bypass/Overflow Other

SECTION 2

SPDES #: NY- 0026638 Facility: Ithaca Area WWTF

Date of noncompliance: 9 /30 2019 Location (Outfall, Treatment Unit, or Pump Station): Outfall 001

Description of noncompliance(s) and cause(s): 7 DAY BOD ARITHMETIC MEAN FOR WEEK OF 29 SEP - 5 OCT 2019 WAS 52.1 MG/L WHICH EXCEEDS PERMIT LIMIT OF 45 MG/L. CAUSE WAS DENITRIFICATION IN FINAL TANKS DUE TO AERATION IMBALANCE IN AERATION TANKS CAUSING RISING SLUDGE IN FINALS WHICH SUBSEQUENTLY FLOWED OVER FINAL WEIRS.

Has event ceased? (Yes) (No) If so, when? 10/9/19 Was event due to plant upset? (Yes) (No) SPDES limits violated? (Yes) (No)

Start date, time of event: 9/30 2019, 12 : 00 (AM) (PM) End date, time of event: 10/ 9 2019, 8 : 00 (AM) (PM)

Date, time oral notification made to DEC? 10/8 2019, 12: 50 (AM) (PM) DEC Official contacted: MATT RUSSO

Immediate corrective actions: BALANCED AIR FLOW IN AERATION TANKS TO CAUSE DENITRIFICATION TO OCCUR IN FINAL ZONE OF AERATION TANKS, PREVENTING RISING SLUDGE IN FINALS. RISING SLUDGE DIMINISHED W/ IN 4 HOURS AND CEASED OVERNIGHT. BOD IN LIMITS IN SUBSEQUENT 7 DAY PERIOD.

Preventive (long term) corrective actions: ENSURE D.O. LEVELS ARE MORE CLOSELY MONITORED THROUGHOUT AERATION TANKS, ENSURE D.O. SYSTEM IS OPERATING PROPERLY TO KEEP AIR FLOW BALANCED.

SECTION 3

Complete this section if the event was a bypass

Bypass amount: _____ Was prior DEC authorization received for this event? (Yes) (No)

DEC Official contacted: _____ Date of DEC approval: 1 / 1

Describe even in "Description of noncompliance and cause" are in Section 2. Detail the start and end dates and times in Section 2 also.

SECTION 4

Facility Representative: C.J. Kilgore Title: Acting Chief Operator Date: 10/21 2019

Phone #: (607) 273 - 8381 Fax #: (607) 273 - 8433

I Certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

X
Signature of Principal Executive Officer or Authorized Agent

A-1

Appendix B

SECTION 1



New York State Department of Environmental Conservation
Division of Water



Report of Noncompliance Event

To: DEC Water Contact Matt Russo DEC Region: 7

Report Type: 5 Day Permit Violation Order Violation Anticipated Noncompliance Bypass/Overflow Other

SECTION 2

SPDES #: NY- 0026638 Facility: Ithaca Area WWTF

Date of noncompliance: 10 / 7 / 2019 Location (Outfall, Treatment Unit, or Pump Station): Outfall 001

Description of noncompliance(s) and cause(s): EFFLUENT SETTLEABLE SOLIDS AVERAGE OF <1.9ml/L FOR DAY EXCEEDS LIMIT OF 0.3 ml/L PER DAY. MODERATELY INCREASED FLOWS DUE TO WET WEATHER COUPLED WITH YOUNG SLUDGE NOT COMPACTING/SETTLING WELL RESULTED IN SOLIDS LOSS OVER SECONDARY WEIRS

Has event ceased? (Yes) (No) If so, when? YES Was event due to plant upset? ~~(Yes)~~ (No) SPDES limits violated? (Yes) ~~(No)~~

Start date, time of event: 10 / 7 / 2019 11: 41 (AM) ~~(PM)~~ End date, time of event: 10 / 7 / 2019 1: 46 ~~(AM)~~ (PM)

Date, time oral notification made to DEC? 10/8 2019 8: 45 (AM) ~~(PM)~~ DEC Official contacted: MATT RUSSO

Immediate corrective actions: PLACE ADDITIONAL AERATION TANK ONLINE TO MODERATE FLOW THROUGH PLANT, INCREASE SOLIDS STORAGE CAPACITY, INCREASE SLUDGE AGE AND PROVIDE ADDITIONAL DETENTION TIME. HAD ALREADY DECREASED WASTING RATE PRIOR TO WET WEATHER TO AGE SLUDGE FOR BETTER COMPACTION.

Preventive (long term) corrective actions: ENSURE ALL OPERATORS MONITOR CHANGES IN SLUDGE SETTLEABILITY AND MONITOR EVEN MODERATE FLOW CHANGES FOR POTENTIAL IMPACT ON SOLIDS RETENTION.

SECTION 3

Complete this section if the event was a bypass

Bypass amount: _____ Was prior DEC authorization received for this event? (Yes) (No)

DEC Official contacted: _____ Date of DEC approval: 1 / 1

Describe even in "Description of noncompliance and cause" are in Section 2. Detail the start and end dates and times in Section 2 also.

SECTION 4

Facility Representative: C.J. Kilgore Title: Chief Operator Date: 10 / 8 / 2019

Phone #: (607) 273 - 8381 Fax #: (607) 273 - 8433

I Certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.


Signature of Principal Executive
Officer of Authorized Agent

A - 1

**Operator and Engineer's Report
SJC Meeting
20 NOVEMBER 2019**

1. Plant Maintenance & Operations

- a. Propose increasing Septage, sludge and grease disposal rates to help offset increased disposal and material handling costs.

2. Facilities Maintenance & Operations

- a. Monitoring Sta. – Installed 3rd data collection system at Crescent Pl, trying out a different product/company. Not satisfied with customer support at Trimble/Unity, seeing how Digi compares prior to moving forward on remaining locations.
- b. Grit Removal and Misc. Improvements (GHD) – Bid opening on 19 Nov (yesterday), awaiting GHD review of results.

3. Staff Management

4. Reporting

5. Business, Long Term Development

- a. Working with Steve Thayer regarding this years budget. Over budget in certain areas, most significantly in Parts and Supplies (due to unplanned equipment casualties), sludge disposal (significant increase this year due to rate increase) and treatment supplies. Much if not most of overages can be covered by other line items that are under budget or from encumbered funds, may need to amend the budget and appropriate from fund balance if not fully covered.

Equipment	Usage(ft²) October	Usage(ft²) September	Usage(ft²) August	Usage(ft²) July	Usage(ft²) June	Usage(ft²) May	Usage(ft²) April	Usage(ft²) March
Micro-turbines	3,322,000	3,143,000	2,298,000	2,452,000	2,628,000	3,621,000	3,204,000	3,610,000
Boilers	77,000	70,000	157,000	111,000	111,000	139,000	343,000	264,000
Waste Flare	9,000	80,000	150,000	31,000	68,000	86,000	146,000	80,000
Total Biogas Produced	3,408,000	3,293,000	2,605,000	2,594,000	2,807,000	3,846,000	3,693,000	3,954,000

DISPOSAL RATES

EFFECTIVE JANUARY 1, 2019

ALL TRUCKED WASTE MUST BE PERMITTED BY NYSDEC AND IAWWTF

THERE ARE TWO (2) DISPOSAL SITES – **HEADWORKS & SEPTAGE**

HEADWORKS (LEACHATE/WATER)

WASTE TYPE	RATE
In County Leachate (Hillview/Caswell)	\$12/1000 Gallons
Out of County Leachate (Ontario)	\$30/1000 Gallons
Water (hydro test, misc.)	\$10/1000 Gallons
Domestic Sewage/Pump Sta. etc.	\$30/1000 Gallons

SEPTAGE RECEIVING

WASTE TYPE	RATE
Septage/Portable Toilet	\$60/1000 Gallons
RVs, Misc. Small Loads(<100 gal)	\$10/load
Grease	\$85/1000 Gallons
Glycol	\$30/1000 Gallons
Winery/Brewery/Distillery	\$30/1000 Gallons
Whey	\$30/1000 Gallons
Sludge (Dairy, WWTP, Rendering, etc.)	Cost based upon SOLIDS at rate of \$0.12 per pound of solids plus BASE COST of \$35 per 1000 gallons. A minimum rate based on 2% solids will apply. See examples below.

EXAMPLE: 1000 GALLONS @ 2% = 166.8# solids @ \$0.12 PER POUND = \$20.02,

BASE CHARGE = \$35

TOTAL PRICE FOR 1000 GALLONS OF Sludge @ 2% = \$35 + \$20.02 = \$55.02

EXAMPLE: 1000 GALLONS @ 4% = 333.6# solids @ \$0.12 PER POUND = \$40.03,
BASE CHARGE = \$35

TOTAL PRICE FOR 1000 GALLONS OF Sludge @ 4% = \$35 + \$40.03 = \$75.03

NOTE: AN ADMINISTRATIVE FEE OF \$1.00 PER LOAD WILL BE LEVIED

DISPOSAL RATES

EFFECTIVE JANUARY 1, 2020

ALL TRUCKED WASTE MUST BE PERMITTED BY NYSDEC AND IAWWTF

THERE ARE TWO (2) DISPOSAL SITES – **HEADWORKS & SEPTAGE**

HEADWORKS (LEACHATE/WATER)

WASTE TYPE	RATE
In County Leachate (Hillview/Caswell)	\$12/1000 Gallons
Out of County Leachate (Ontario)	\$30/1000 Gallons
Water (hydro test, misc.)	\$10/1000 Gallons
Domestic Sewage/Pump Sta. etc.	\$30/1000 Gallons

SEPTAGE RECEIVING

WASTE TYPE	RATE
Septage/Portable Toilet	\$65/1000 Gallons
RVs, Misc. Small Loads(<100 gal)	\$10/load
Grease	\$90/1000 Gallons
Glycol	\$30/1000 Gallons
Winery/Brewery/Distillery	\$30/1000 Gallons
Whey	\$30/1000 Gallons
Sludge (Dairy, WWTP, Rendering, etc.)	Cost based upon SOLIDS at rate of \$0.14 per pound of solids plus BASE COST of \$35 per 1000 gallons. A minimum rate based on 2% solids will apply. See examples below.

EXAMPLE: 1000 GALLONS @ 2% = 166.8# solids @ \$0.14 PER POUND = \$23.35,

BASE CHARGE = \$35

TOTAL PRICE FOR 1000 GALLONS OF Sludge @ 2% = \$35 + \$23.35 = \$58.35

EXAMPLE: 1000 GALLONS @ 4% = 333.6# solids @ \$0.14 PER POUND = \$46.70,

BASE CHARGE = \$35

TOTAL PRICE FOR 1000 GALLONS OF Sludge @ 4% = \$35 + \$46.70 = \$81.70

NOTE: AN ADMINISTRATIVE FEE OF \$1.00 PER LOAD WILL BE LEVIED