

# 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

Special Joint Committee  
Wednesday, May 12, 2021 1:00pm

Join Zoom Meeting

<https://us02web.zoom.us/j/84972943614?pwd=WkVHaE5kNmpZODZzTUUpUR1oxbUhqQT09>

Meeting ID: 849 7294 3614 Password: 7XNNAr

One tap mobile +19292056099,,84972943614#,,,,0#,,420117# US (New York)

- 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*
- 5) Discussion Items
  - a) Emergency Funding Authorization for Digester and Blower Repairs – update
  - b) The draft Cayuga Lake TMDL is available at <https://www.dec.ny.gov/chemical/23835.html>. DEC is accepting written comments until 5 p.m. on May 24. Comments should be submitted by mail to: NYS DEC – Division of Water, Bureau of Water Resource Management, 625 Broadway, 4th Floor, Albany, NY 12233-3508; or by email to: [waterlog@dec.ny.gov](mailto:waterlog@dec.ny.gov).
- 6) Adjournment

*Upcoming Meeting Dates: June 9, July 14*

*Approval Status Dashboard*

	Municipality Review/Approval	Municipality Approval Completed	Completed/Signed Documents Returned to IAWWTF
<b>Emergency Funding Agreements</b>			
City of Ithaca	X		X
Town of Dryden			
Town of Ithaca			
<b>City Harbor Agreements</b>			
City of Ithaca	X		X
Town of Dryden			
Town of Ithaca			
<b>Water Main Easement Agreements</b>			
City of Ithaca	X		X
Town of Dryden			
Town of Ithaca			
<b>Behind the Meter Agreements</b>			
City of Ithaca			
Town of Dryden			
Town of Ithaca			

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, 2020 (Not Final)  
 5/6/2021

<b>Revenues:</b>							
<b>J8150</b>							
Account #	Description	Budget	Actual	Excess or (Deficiency)	% Rec'd		
2373	Septage Service Other	\$ 495,000	\$ 626,338	\$ 131,338	126.53%		
2374	Sewer Service Other Govt's	\$ 3,005,275	\$ 3,005,275	\$ -	100.00%		
2392	Debt Service Other Govt's	\$ 1,145,886	\$ 1,142,585	\$ (3,301)	99.71%		
2401	Interest & Earnings	\$ 3,200	\$ -	\$ (3,200)	0.00%		
2665	Sale of Equipment	\$ 1,500	\$ 4,326	\$ 2,826	288.40%		
2680	Insurance Recoveries	\$ -	\$ -	\$ -			
2701	Refund of Prior Year Expense	\$ -	\$ -	\$ -			
2705	Gifts and Donations	\$ -	\$ 5,000	\$ 5,000			
2770	Unclassified Revenue	\$ 1,000	\$ 1,080	\$ 80	108.00%		
<b>Total Revenues as of 12/31/20</b>		<b>\$ 4,651,861</b>	<b>\$ 4,784,604</b>	<b>\$ 132,743</b>	<b>102.85%</b>		

IAWWTF  
 Approved Budget and Actual Activity  
 As of December 31, 2020 (Not Final)  
 5/6/2021

<b>Expenditures:</b>							
<b>J8150</b>							
Account #	Description	Budget	Actual	Available Balance	% Used		
<i>Operations:</i>							
1920	Municipal Association Dues	\$ 1,119	\$ 1,086	\$ 33	97.05%		
1990	Contingency Account	\$ 20,000	\$ -	\$ 20,000	0.00%		
5105	Administration Salaries	\$ -	\$ -	\$ -	0.00%		
5110	Staff Salaries	\$ 894,065	\$ 756,190	\$ 137,875	84.58%		
5115	Hourly F/T	\$ 40,516	\$ 34,454	\$ 6,062	85.04%		
5120	Hourly P/T	\$ 25,000	\$ 18,156	\$ 6,844	72.62%		
5125	Overtime	\$ 22,000	\$ 18,190	\$ 3,810	82.68%		
5210	Office Equipment	\$ -	\$ -	\$ -	0.00%		
5215	Motor Vehicles	\$ -	\$ -	\$ -	0.00%		
5225	Other Equipment	\$ 60,000	\$ -	\$ 60,000	0.00%		
5405	Telephone	\$ 6,200	\$ 4,184	\$ 2,016	67.48%		
5410	Utilities	\$ 280,000	\$ 387,551	\$ (107,551)	138.41%		
5415	Clothing	\$ 7,200	\$ 8,067	\$ (867)	112.04%		
5420	Gas & Oil	\$ 10,000	\$ 1,019	\$ 8,981	10.19%		
5425	Office Expense	\$ 2,000	\$ 1,891	\$ 109	94.55%		
5430	Fees	\$ 115,000	\$ 77,410	\$ 37,590	67.31%		
5435	Contracts	\$ 170,000	\$ 154,691	\$ 15,309	90.99%		
5436	Overhead Charge City General Fund	\$ 194,424	\$ 194,424	\$ -	100.00%		
5440	Staff Development	\$ 18,000	\$ 11,812	\$ 6,188	65.62%		
5450	Advertising	\$ 200	\$ -	\$ 200	0.00%		
5455	Insurance	\$ 144,000	\$ 154,367	\$ (10,367)	107.20%		
5475	Property Maintenance	\$ -	\$ -	\$ -	0.00%		
5476	Equipment Maintenance	\$ -	\$ -	\$ -	0.00%		
5477	Equipment Parts	\$ 105,000	\$ 190,850	\$ (85,850)	181.76%		
5479	Vehicle Maintenance	\$ 2,000	\$ -	\$ 2,000	0.00%		
5480	Building Maintenance Supplies	\$ 22,000	\$ 11,450	\$ 10,550	52.05%		
5494	Safety Materials & Supplies	\$ 6,000	\$ 2,803	\$ 3,197	46.72%		
5495	Treatment Supplies	\$ 550,000	\$ 387,066	\$ 162,934	70.38%		
5496	Lab Supplies	\$ 84,000	\$ 72,210	\$ 11,790	85.96%		
5499	Sludge Disposal Fees	\$ 375,000	\$ 399,662	\$ (24,662)	106.58%		
5700	Prior Year Encumbrances	\$ 12,936	\$ 12,936	\$ -	0.00%		
5720	Prior Year Equipment	\$ 24,319	\$ 24,319	\$ -	0.00%		
	Sub-Totals	\$ 3,190,979	\$ 2,924,788	\$ 266,191	91.66%		
<i>Benefits:</i>							
9010	State Retirement	\$ 118,320	\$ 117,302	\$ 1,018	99.14%		
9030	Social Security	\$ 75,091	\$ 63,297	\$ 11,794	84.29%		
9040	Workers Compensation	\$ 23,000	\$ 12,655	\$ 10,345	55.02%		
9050	Unemployment Insurance	\$ -	\$ -	\$ -	0.00%		
9060	Health Insurance	\$ 381,440	\$ 339,388	\$ 42,052	88.98%		
9070	Dental Insurance	\$ 3,200	\$ 3,474	\$ (274)	108.56%		
9080	Day Care Assistance	\$ 200	\$ -	\$ 200	0.00%		
9089	Employee Tuition	\$ 1,000	\$ 2,667	\$ (1,667)	266.70%		
	Sub-Totals	\$ 602,251	\$ 538,783	\$ 63,468	89.46%		
<i>Debt Service</i>							
9710	Serial Bonds	\$ 554,821	\$ 554,821	\$ -	100.00%		
9711	Interest on Serial Bonds	\$ 456,540	\$ 453,239	\$ 3,301	99.28%		
9730	BANS	\$ -	\$ -	\$ -	0.00%		
9731	Interest on BANS	\$ 134,525	\$ 134,525	\$ -	100.00%		
	Sub-Totals	\$ 1,145,886	\$ 1,142,585	\$ 3,301	99.71%		
<i>Interfund Transfers</i>							
9951	Transfer to Capital Reserves	\$ -	\$ -	\$ -	0.00%		
	Sub-Totals	\$ -	\$ -	\$ -	0.00%		
<b>Total All Expenditures as of 12/31/20</b>		<b>\$ 4,939,116</b>	<b>\$ 4,606,156</b>	<b>\$ 332,960</b>	<b>93.26%</b>		

IAWWTF  
 Approved Budget and Actual Activity  
 As of December 31, 2020 (Not Final)  
 5/6/2021

	<b>Surplus(deficit) as of 12/31/20</b>		\$ (287,255)	\$ 178,448		\$ 465,703			
	*\$250,000 was appropriated from Fund Balance surplus for 2020								

IAWWTF  
 Approved Budget and Actual Activity  
 As of April 30, 2021  
 5/6/2021

<b>Revenues:</b>							
<b>J8150</b>							
Account #	Description		Budget	Actual		Excess or (Deficiency)	% Rec'd
2373	Septage Service Other		\$ 495,000	\$ 73,951		\$ (421,049)	14.94%
2374	Sewer Service Other Govt's		\$ 3,225,999	\$ 1,613,000		\$ (1,612,999)	50.00%
2392	Debt Service Other Govt's		\$ 1,153,595	\$ -		\$ (1,153,595)	0.00%
2401	Interest & Earnings		\$ 1,800	\$ -		\$ (1,800)	0.00%
2665	Sale of Equipment		\$ 1,500	\$ -		\$ (1,500)	0.00%
2680	Insurance Recoveries		\$ -	\$ -		\$ -	
2701	Refund of Prior Year Expense		\$ -	\$ -		\$ -	
2705	Gifts and Donations		\$ -	\$ -		\$ -	
2770	Unclassified Revenue		\$ 1,000	\$ -		\$ (1,000)	0.00%
<b>Total Revenues as of 4/30/21</b>			<b>\$ 4,878,894</b>	<b>\$ 1,686,951</b>		<b>\$ (3,191,943)</b>	<b>34.58%</b>

IAWWTF  
Approved Budget and Actual Activity  
As of April 30, 2021  
5/6/2021

<b>Expenditures:</b>								
<b>J8150</b>							Available	%
Account #	Description		Budget	Actual		Balance	Used	
<i>Operations:</i>								
1920	Municipal Association Dues		\$ 1,119	\$ 1,086		\$ 33	97.05%	
1990	Contingency Account		\$ 20,000	\$ -		\$ 20,000	0.00%	
5105	Administration Salaries		\$ -	\$ -		\$ -	0.00%	
5110	Staff Salaries		\$ 833,775	\$ 228,623		\$ 605,152	27.42%	
5115	Hourly F/T		\$ 21,110	\$ 7,245		\$ 13,865	34.32%	
5120	Hourly P/T		\$ 7,500	\$ 10,190		\$ (2,690)	135.87%	
5125	Overtime		\$ 22,000	\$ 6,058		\$ 15,942	27.54%	
5210	Office Equipment		\$ -	\$ -		\$ -	0.00%	
5215	Motor Vehicles		\$ -	\$ -		\$ -	0.00%	
5225	Other Equipment		\$ -	\$ -		\$ -	0.00%	
5405	Telephone		\$ 6,200	\$ 1,035		\$ 5,165	16.69%	
5410	Utilities		\$ 280,000	\$ 99,854		\$ 180,146	35.66%	
5415	Clothing		\$ 7,500	\$ 2,860		\$ 4,640	38.13%	
5420	Gas & Oil		\$ 10,000	\$ 1,345		\$ 8,655	13.45%	
5425	Office Expense		\$ 2,000	\$ 42		\$ 1,958	2.10%	
5430	Fees		\$ 115,000	\$ 9,642		\$ 105,358	8.38%	
5435	Contracts		\$ 160,000	\$ 30,802		\$ 129,198	19.25%	
5436	Overhead Charge City General Fund		\$ 194,210	\$ -		\$ 194,210	0.00%	
5440	Staff Development		\$ 20,000	\$ 461		\$ 19,539	2.31%	
5450	Advertising		\$ 200	\$ -		\$ 200	0.00%	
5455	Insurance		\$ 163,000	\$ 160,599		\$ 2,401	98.53%	
5475	Property Maintenance		\$ -	\$ -		\$ -	0.00%	
5476	Equipment Maintenance		\$ -	\$ -		\$ -	0.00%	
5477	Equipment Parts		\$ 135,000	\$ 82,772		\$ 52,228	61.31%	
5479	Vehicle Maintenance		\$ 2,000	\$ -		\$ 2,000	0.00%	
5480	Building Maintenance Supplies		\$ 18,000	\$ 802		\$ 17,198	4.46%	
5494	Safety Materials & Supplies		\$ 6,000	\$ 991		\$ 5,009	16.52%	
5495	Treatment Supplies		\$ 550,000	\$ 115,491		\$ 434,509	21.00%	
5496	Lab Supplies		\$ 84,000	\$ 15,493		\$ 68,507	18.44%	
5499	Sludge Disposal Fees		\$ 450,000	\$ 77,462		\$ 372,538	17.21%	
5700	Prior Year Encumbrances		\$ -	\$ -		\$ -	0.00%	
5720	Prior Year Equipment		\$ -	\$ -		\$ -	0.00%	
	Sub-Totals		\$ 3,108,614	\$ 852,853		\$ 2,255,761	27.44%	
<i>Benefits:</i>								
9010	State Retirement		\$ 133,110	\$ -		\$ 133,110	0.00%	
9030	Social Security		\$ 67,655	\$ 19,287		\$ 48,368	28.51%	
9040	Workers Compensation		\$ 25,800	\$ 6,784		\$ 19,016	26.29%	
9050	Unemployment Insurance		\$ -	\$ -		\$ -	0.00%	
9060	Health Insurance		\$ 384,420	\$ 177,609		\$ 206,811	46.20%	
9070	Dental Insurance		\$ 3,500	\$ 1,539		\$ 1,961	43.97%	
9080	Day Care Assistance		\$ 200	\$ -		\$ 200	0.00%	
9089	Employee Tuition		\$ 2,000	\$ -		\$ 2,000	0.00%	
	Sub-Totals		\$ 616,685	\$ 205,219		\$ 411,466	33.28%	
<i>Debt Service</i>								
9710	Serial Bonds		\$ 573,138	\$ 470,828		\$ 102,310	82.15%	
9711	Interest on Serial Bonds		\$ 438,395	\$ 220,813		\$ 217,582	50.37%	
9730	BANS		\$ 63,016	\$ 63,016		\$ -	0.00%	
9731	Interest on BANS		\$ 79,046	\$ 78,371		\$ 675	99.15%	
	Sub-Totals		\$ 1,153,595	\$ 833,028		\$ 320,567	72.21%	
<i>Interfund Transfers</i>								
9951	Transfer to Capital Reserves		\$ -	\$ -		\$ -	0.00%	
	Sub-Totals		\$ -	\$ -		\$ -	0.00%	
	<b>Total All Expenditures as of 4/30/21</b>		\$ 4,878,894	\$ 1,891,100		\$ 2,987,794	38.76%	

IAWWTF  
 Approved Budget and Actual Activity  
 As of April 30, 2021  
 5/6/2021

	<b>Surplus(deficit) as of 4/30/21</b>		\$ -	\$ (204,149)		\$ (204,149)	
	*\$0 was appropriated from Fund Balance surplus for 2021						

<b>Capital Activity:</b>		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		\$ 251,457.00						
	Capital Projects:								
409J	Phosphorus Removal Improvements	Closed	\$ 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	\$ (23,849.41)	\$ (8,849.41)	\$ 139,732	\$ 141,776.41	\$ 1,869.99	\$ 132,927.00	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	To close	\$ (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	To close	\$ 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	\$ 13,487.51	\$ 62,487.51	\$ 3,953,563	\$ 3,891,075.49	\$ -	\$ 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	Closed	\$ -	\$ -	\$ 148,960	\$ 148,960.00	\$ -	\$ 148,960.00	Authorized, funded from NYSERDA Grant
422J	IAWWTF Various Improvements to Facility	Active	\$ 2,832,233.81	\$ 2,520,723.08	\$ 11,541,850	\$ 9,021,126.92	\$ 311,510.73	\$ 11,541,850.00	Authorized, capital reserve funding/Bonds
423J	IAWWTF Boiler Room Evaluation	Active	\$ (18,500.00)	\$ -	\$ 18,500	\$ 18,500.00	\$ 3,170.90	\$ 18,500.00	Authorized, capital reserve funding
424J	IAWWTF Actiflow System Upgrade	Active	\$ 959.97	\$ 959.97	\$ 102,685	\$ 101,725.03	\$ -	\$ 102,385.00	Authorized, funding from each entity
425J	IAWWTF Chemical Bulk Storage Tanks Replace	Active	\$ 357,000.00	\$ 457,000.00	\$ 457,000	\$ -	\$ -	\$ 457,000.00	Authorized, funding from each entity
	<b>Total Capital Projects</b>		<b>\$ 3,733,207.85</b>	<b>\$ 3,682,340.32</b>	<b>\$ 34,898,763.00</b>	<b>\$ 31,633,708.68</b>	<b>\$ 316,551.62</b>	<b>\$ 34,228,658.00</b>	
	<b>Fund Balance:</b>		<b>Amount</b>						
	12/31/2015 Capital Reserves		\$ 714,520						
	Assigned		\$ 160,665						
	Unassigned		\$ 1,234,482						
	<b>Total Fund Balance</b>		<b>\$ 2,109,667</b>						
	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						
	<b>Total Fund Balance</b>		<b>\$ 2,008,093</b>						
	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						
	<b>Total Fund Balance</b>		<b>\$ 1,915,229</b>						
	12/31/2018 Restricted for Capital		\$ 253,549	Capital reserves					
	Nonspendable		\$ 27,395	Prepaid expenses					
	Assigned		\$ 461,887	Encumbrances, next year budget					
	Unassigned		\$ 1,116,391						
	<b>Total Fund Balance</b>		<b>\$ 1,859,222</b>						
	12/31/2019 Restricted for Capital		\$ 251,457	Capital reserves					
	Nonspendable		\$ 27,475	Prepaid expenses					
	Assigned		\$ 368,604	Encumbrances, next year budget					
	Unassigned		\$ 893,244						
	<b>Total Fund Balance</b>		<b>\$ 1,540,780</b>						



City of Ithaca  
IAWWTP  
Summary of CP 414J  
5/6/2021

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			
3/4/2020	CC regular Meeting		CFA Grant		\$ 30,000.00	Grant			
			Engineering Planning grant			20% match			
Total Authorization					\$ 132,927.00				
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			
8/6/2018	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			\$ 1,028.67	1322	\$ 320.00	inv 29957 Flow meter work 2/17/19-3/16/19		
5/20/2019	MRB Group			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	\$ 5,559.91		1331	\$ 279.91	inv 32113 Flow meter work 8/4/19-8/31/19			
5/19/2020	Lectre Development			1338	\$ 25,330.00	inv I-200302, I200303, I200304, I200305, I200306, I200307, I200308 5 flow meters			
	MRB Group			\$ 25,745.83	1337	\$ 415.83	inv 34672 Flow meter work 3/15/20-4/1/20		
6/15/2020	MRB Group			1339	\$ 1,212.63	inv 35012 Flow meter work 4/12/20-5/9/20			
8/19/2020	MRB Group			1352	\$ 3,490.98	inv 35597, 35698 Flow meter work 5/10/20-7/4/2020			
9/9/2020	MRB Group			1353	\$ 1,155.36	inv 36068 flow meter work 7/7/20-8/4/20			
10/14/2020	MRB Group			1362	\$ 2,463.41	inv 36769, 36470 flow meter work 8/2/20-9/26/20			
11/18/2020	MRB Group			1368	\$ 1,679.95	inv 37067 flow meter work 9/27/20- 10/24/20			
12/23/2020	MRB Group			1370	\$ 737.04	inv 37448 flow meter work 11/1/20-11/24/20			
3/10/2021	MRB Group			1390	\$ 174.30	inv 37982 flow meter work 12/20/20-1/16/2021			
4/7/2021	MRB Group				\$ 480.57	inv 38212 flow meter work 1/18/21-2/15/21			
4/21/2021	MRB Group			\$ 1,869.99	\$ 1,389.42	inv 38576 flow meter work 2/15/21-3/16/21			
Total Expenditures to date					\$ 141,776.41				
Balance of Authorization					\$ (8,849.41)				
Funding Sources:									
12/9/2013	From Capital Reserve J-1				\$ 100,000.00				
5/20/2019	From Capital Reserve J-1				\$ 2,927.00				
12/24/2020	EFC EPG #90698 grant partial		Wire		\$ 15,000.00	2020 revenue			
Total Funding					\$ 117,927.00				
Cash Balance					\$ (23,849.41)				
Contracts:									
			Amount	Expended	Balance				
McPherson Builders		\$ 59,808.00	\$ 59,808.00	\$ -					
MRB Group		\$ 24,900.00	\$ 37,356.99	\$ (12,456.99)	Design work				

IAWWTF  
 Summary of CP 422J  
 5/6/2021

IAWWTF Design for Various Improvements to Plant 422J											
Authorizations:						Amount	Source		Allocation per SJS Budget:		
12/6/2017	Regular CC meeting		City of Ithaca	\$ 248,088		\$ 434,175.00	Reserve/Bonds	\$ 434,175	2/15/2018	BANS	\$ -
			Town of Ithaca	\$ 177,491		\$ -					\$ -
			Town of Dryden	\$ 8,596				\$ -			\$ -
				\$ 434,175				\$ -			\$ -
12/5/2018	Regular CC meeting		City of Ithaca	\$ 4,108,366		\$ 7,190,000.00	Bonds	\$ 7,190,000	2/19/2019		
			Town of Ithaca	\$ 2,939,272							
			Town of Dryden	\$ 142,362							
				\$ 7,190,000							
1/8/2020	Regular CC meeting		City of Ithaca	\$ 2,238,559		\$ 3,917,675.00	Bonds	\$ 3,917,675.00	2/19/2021	BAN	
			Town of Ithaca	\$ 1,601,546							
			Town of Dryden	\$ 77,570							
				\$ 3,917,675							
5/5/2021	Regular CC meeting				pending	\$ -					
						\$ -					
Total Authorization						\$ 11,541,850.00		\$ 11,541,850			
Expenditures:											
Date	Payee		PO	Voucher	Amount	Comment					
5/8/2018	GHD Consulting Services Inc			1290	\$ 41,962.00	inv 66144, 66722 engineering services					
	Fiscal Advisors			1284	\$ 220.19	Bonding cost					
	Premier Printing			1285	\$ 69.44	Bonding cost					
	Orrick			1286	\$ 160.02	Bonding cost					
6/13/2018	GHD Consulting Services Inc			1292	\$ 24,198.00	inv 67191 engineering services to 5/19/18					
7/9/2018	GHD Consulting Services Inc			1294	\$ 49,620.00	inv 67712 engineering services to 6/23/18					
8/21/2018	GHD Consulting Services Inc			1296	\$ 70,295.00	inv 68181 engineering services to 7/21/18					
10/15/2018	GHD Consulting Services Inc			1302	\$ 82,700.00	inv 945516 engineering services to 8/18/18					
10/23/2018	GHD Consulting Services Inc			1304	\$ 82,700.00	inv 69129 engineering services to 9/29/18					
11/14/2018	GHD Consulting Services Inc			1305	\$ 20,675.00	inv 69625 engineering services to 10/20/18					
12/13/2018	GHD Consulting Services Inc			1307	\$ 22,000.00	inv 70180 engineering services to 11/17/18					
12/31/2018	GHD Consulting Services Inc			1308	\$ 11,000.00	inv 70617 engineering services to 12/15/18					
3/15/2019	GHD Consulting Services Inc			1319	\$ 5,000.00	inv 71222 engineering services to 1/19/19					
	SourceMedia	Bonds		1309	\$ 29.03	Bonding cost					
	Moody's			1311	\$ 611.24	Bonding cost					
	Premier Printing			1316	\$ 86.13	Bonding cost					
	Fiscal Advisors			1313	\$ 527.89	Bonding cost					
	Orrick			1314	\$ 407.03	Bonding cost					
	Orrick	BANS		1315	\$ 2,789.75	Bonding cost					
	Fiscal Advisors			1317	\$ 3,838.69	Bonding cost					
	Premier Printing			1318	\$ 1,173.92	Bonding cost					
					\$ 7,802.36						
4/4/2019	GHD Consulting Services Inc			1321	\$ 3,350.00	inv 71812 engineering services to 2/19/19					
4/30/2019	GHD Consulting Services Inc			1323	\$ 17,000.00	inv 72375 engineering services to 3/26/19					
12/16/2019	GHD Consulting Services Inc	\$ 37,783.68		1332	\$ 2,970.00	inv 75450 engineering services to 9/21/19					
1/21/2020	GHD Consulting Services Inc	\$ 39,810.00	ap19	1333	\$ 11,490.00	inv 76426 engineering services to 11/23/19					
3/10/2020	Premier Printing	BANS		1335	\$ 709.19	Bonding cost					
	Orrick			1334	\$ 1,653.88	Bonding cost					
	Fiscal Advisors			1336	\$ 2,778.52	Bonding cost					
6/15/2020	GHD Consulting Services Inc			1340	\$ 19,373.75	inv 78767 engineering services to 4/18/20					
	M.A. Bongiovanni, Inc.			1341	\$ 353,637.50	App 1 General Construction 3/9/20-4/25/20					
6/24/2020	GHD Consulting Services Inc			1343	\$ 22,574.75	inv 79199 engineering services to 5/23/20					

IAWWTF  
 Summary of CP 422J  
 5/6/2021

IAWWTF Design for Various Improvements to Plant 422J									
Authorizations:					Amount	Source		Allocation per SJS Budget:	
12/6/2017	Regular CC meeting	City of Ithaca	\$ 248,088		\$ 434,175.00	Reserve/Bonds	\$ 434,175	2/15/2018	BANS
		Town of Ithaca	\$ 177,491		\$ -				\$ -
		Town of Dryden	\$ 8,596				\$ -		\$ -
			\$ 434,175				\$ -		\$ -
12/5/2018	Regular CC meeting	City of Ithaca	\$ 4,108,366		\$ 7,190,000.00	Bonds	\$ 7,190,000	2/19/2019	
		Town of Ithaca	\$ 2,939,272						
		Town of Dryden	\$ 142,362						
			\$ 7,190,000						
1/8/2020	Regular CC meeting	City of Ithaca	\$ 2,238,559		\$ 3,917,675.00	Bonds	\$ 3,917,675.00	2/19/2021	BAN
		Town of Ithaca	\$ 1,601,546						
		Town of Dryden	\$ 77,570						
			\$ 3,917,675						
5/5/2021	Regular CC meeting			pending	\$ -				
					\$ -				
Total Authorization					\$ 11,541,850.00		\$ 11,541,850		
Expenditures:									
Date	Payee			PO	Voucher	Amount	Comment		
8/19/2020	M.A. Bongiovanni, Inc.		\$ 762,761.00		1342	\$ 367,175.00	App 2 General Construction 4/25/20-5/31/20		
8/19/2020	M.A. Bongiovanni, Inc.				1348	\$ 311,281.56	App 3 General Construction 6/1/20-6/30/20		
8/19/2020	GHD Consulting Services Inc		\$ 409,434.50		1349	\$ 98,152.94	inv 79682,79683, 80125, 80126 engineering services to 7/25/20		
9/9/2020	GHD Consulting Services Inc				1357	\$ 143,190.24	inv 78481, 78766, 79198, 80472,80473 engineering services thru 8/22/20, and onsite		
9/1/2020	M.A. Bongiovanni, Inc.				1354	\$ 501,639.63	App 4 & 5 General Construction 7/1/20 thru 9/1/20		
9/1/2020	Matco Electric		\$ 677,528.87		1356	\$ 32,699.00	App 1 for electrical services 7/1/20-7/31/20		
10/14/2020	GHD Consulting Services Inc				1361	\$ 39,287.54	inv 80773, 80774 engineering services through 9/19/2020		
	Matco Electric				1360	\$ 19,983.25	App 2 for electrical services 8/1/20-8/31/20		
10/21/2020	M.A. Bongiovanni, Inc				1363	\$ 1,115,922.25	App 6 general construction 9/1/20 thru 9/30/20		
	Matco Electric Corp		\$ 1,215,863.60		1364	\$ 40,670.56	App 3 services 9/1/20-9/30/20		
11/4/2020	GHD Consulting Services Inc				1365	\$ 64,496.48	Inv 77860 eng services thru 2/22/20, 81581 eng services thru 10/17/2020 and 81582		
	M.A. Bongiovanni, Inc				1366	\$ 1,229,319.38	App 7 general construction 10/1/2020-10/31/2020		
	Matco Electric Corp		\$ 1,383,510.11		1367	\$ 89,694.25	App 4 for electrical services 10/1/20-10/31/20		
12/23/2020	M.A Bongiovanni, Inc				1371	\$ 386,306.67	App 8 general construction 11/1/20-11/30/20		
	GHD Consulting Services Inc				1372/1373	\$ 37,475.60	inv 81792, 81793 engineering services and onsite rep thru 11/21/20		
	Matco Electric Corp		\$ 564,678.27		1374	\$ 140,896.00	App 5 electrical services 11/1/20-11/30/20		
1/27/2021	GHD Consulting Services Inc				1380	\$ 30,081.26	Inv 82330, 82333 engineering services and on-site rep thru 12/19/20		
	John W. Danforth Co				1376	\$ 339,247.35	Inv PB107690 pay app 1 services thru 11/30/20		
	M.A. Bongiovanni, Inc.				1377	\$ 575,130.91	App 9 general construction 11/30-12/31/20		
	Matco Electric Corporation		\$ 2,361,303.28		1378	\$ 852,165.49	App 6 electrical services 12/1-12/31/2020		
3/10/2021	M.A. Bongiovanni, Inc				1392/1393	\$ 1,012,005.49	App10 and 11 construction 1/1/21 thru 2/28/21		
	GHD Consulting Services Inc				1394/1395/1396/1397	\$ 66,610.52	inv 82821, 82822, 83265, and 83266 engineering services and on-site rep thru 2/20/21		
	Matco Electric Corp		\$ 1,439,199.91		1398/1399	\$ 360,583.90	App 7 & 8 electrical services thru 2/28/2021		
	Fiscal Advisors	Bonds			1382	\$ 7,253.35	Bonding cost		
	Moody's				1383	\$ 9,162.12	Bonding cost		
	Premier Printing				1387	\$ 1,221.62	Bonding cost		
	Orrick				1388	\$ 5,592.71	Bonding cost		
	Fiscal Advisors	BANS			1384	\$ 2,230.18	Bonding cost		
	Premier Printing				1389	\$ 704.06	Bonding cost		
	Orrick				1385	\$ 1,620.77	Bonding cost		
4/21/2021	GHD Consulting Services Inc					\$ 37,132.16	inv 83734 and 83733 engineering services and on-site rep thru 3/20/21		

IAWWTF  
 Summary of CP 422J  
 5/6/2021

IAWWTF Design for Various Improvements to Plant 422J									
Authorizations:									
			Amount	Source		Allocation per SJS Budget:			
12/6/2017	Regular CC meeting	City of Ithaca	\$ 248,088	\$ 434,175.00	Reserve/Bonds	\$ 434,175	2/15/2018	BANS	\$ -
		Town of Ithaca	\$ 177,491	\$ -					\$ -
		Town of Dryden	\$ 8,596			\$ -			\$ -
			\$ 434,175			\$ -			\$ -
12/5/2018	Regular CC meeting	City of Ithaca	\$ 4,108,366	\$ 7,190,000.00	Bonds	\$ 7,190,000	2/19/2019		
		Town of Ithaca	\$ 2,939,272						
		Town of Dryden	\$ 142,362						
			\$ 7,190,000						
1/8/2020	Regular CC meeting	City of Ithaca	\$ 2,238,559	\$ 3,917,675.00	Bonds	\$ 3,917,675.00	2/19/2021	BAN	
		Town of Ithaca	\$ 1,601,546						
		Town of Dryden	\$ 77,570						
			\$ 3,917,675						
5/5/2021	Regular CC meeting			pending		\$ -			
						\$ -			
Total Authorization				\$ 11,541,850.00		\$ 11,541,850			
Expenditures:									
Date	Payee	PO	Voucher	Amount	Comment				
	John W. Danforth Co			\$ 65,860.06	app 2 inv PB107986 and app3 inv PB108081 services thru 3/31/21				
	Matco Electric Corp.	\$ 311,510.73		\$ 180,733.70	app 9 electrical services 3/1-3/31/21				
Expended to date				\$ 9,021,126.92					
Balance of Authorization				\$ 2,520,723.08					
Transfers from Capital Reserve/other funding sources:									
				\$ -					
				\$ -					
Total Transfers/other funding sources				\$ -					
Cash Balance				\$ 2,520,723.08					
Project Allocation:									
Allocation per SJS Budget:	Amount	Expended	Available	Status					
Contracts									
GHD Consulting Service Inc	\$ 1,142,660	\$ 1,003,335	\$ 139,325	Prof Eng design services					
Matco Electric Corporation	\$ 2,043,600	\$ 1,717,426.15	\$ 326,173.9	Electrical contract					
John W. Danforth Co.	\$ 521,900	\$ 405,107.41	\$ 116,792.6	Grit Removal and Plant Modifications	5/5/2020				
M.A. Bongiovanni, Inc.	\$ 7,417,175	\$ 5,852,418.39	\$ 1,564,756.6	General Construction					

IAWWTF  
 Summary of CP 422J  
 5/6/2021

<u>IAWWTF Design for Various Improvements to Plant 422J</u>										
<u>Authorizations:</u>										
						<u>Amount</u>	<u>Source</u>		<u>Allocation per SJS Budget:</u>	
12/6/2017	Regular CC meeting		City of Ithaca	\$ 248,088		\$ 434,175.00	Reserve/Bonds	\$ 434,175	2/15/2018 BANS	\$ -
			Town of Ithaca	\$ 177,491		\$ -				\$ -
			Town of Dryden	\$ 8,596				\$ -		\$ -
				\$ 434,175				\$ -		\$ -
12/5/2018	Regular CC meeting		City of Ithaca	\$ 4,108,366		\$ 7,190,000.00	Bonds	\$ 7,190,000	2/19/2019	
			Town of Ithaca	\$ 2,939,272						
			Town of Dryden	\$ 142,362						
				\$ 7,190,000						
1/8/2020	Regular CC meeting		City of Ithaca	\$ 2,238,559		\$ 3,917,675.00	Bonds	\$ 3,917,675.00	2/19/2021	BAN
			Town of Ithaca	\$ 1,601,546						
			Town of Dryden	\$ 77,570						
				\$ 3,917,675						
5/5/2021	Regular CC meeting				pending	\$ -				
						\$ -				
<b>Total Authorization</b>						<b>\$ 11,541,850.00</b>		\$ 11,541,850		
<u>Expenditures:</u>										
<u>Date</u>	<u>Payee</u>		<u>PO</u>	<u>Voucher</u>		<u>Amount</u>	<u>Comment</u>			
Totals		\$ 11,125,335	\$ 8,978,287	\$ 2,147,048						

IAWWTF  
 Summary of CP 423J  
 5/6/2021

IAWWTF Boiler Room Evaluation for Plant 423J									
<b>Authorizations:</b>									
5/6/2020	Regular CC meeting	City of Ithaca	\$ -	\$ 18,500.00	Cap Reserve	\$ -	2/15/2018	BANS	\$ -
		Town of Ithaca	\$ -	\$ -					\$ -
		Town of Dryden	\$ -			\$ -			\$ -
			\$ -			\$ -			\$ -
				\$ -					
<b>Total Authorization</b>				<b>\$ 18,500.00</b>		\$ -			
<b>Expenditures:</b>									
<u>Date</u>	<u>Payee</u>		<u>PO</u>	<u>Voucher</u>	<u>Amount</u>	<u>Comment</u>			
8/19/2020	MRB Group			1350	\$ 2,370.04	Inv 35699, 35598 project manager labor 5/10/20-7/4/20			
9/9/2020	MRB Group			1355	\$ 945.16	Inv 36069 project manager labor 7/6/20-8/4/20			
10/15/2020	MRB Group			1359	\$ 2,042.40	inv 36471, 36770 boiler room design 8/2/20-9/26/20			
11/18/2020	MRB Group			1369	\$ 7,385.20	inv 37068 boiler room project manager labor 9/27/20-10/24/20			
12/23/2020	MRB Group			1375	\$ 1,010.10	inv 37450 boiler room project manager labor 11/1/20-11/24/20			
1/27/2021	MRB Group	ap20		1379	\$ 700.04	inv 37766 boiler room project manager labor 12/1/20-12/19/2021			
3/10/2021	MRB Group			1400	\$ 876.16	inv 37983 boiler room project manager labor 12/19/20 thru 1/19/2021			
4/7/2021	MRB Group				\$ 3,170.90	inv 38213 boiler room project manager labor 1/19/21-2/15/21 final invoice			
	Expended to date				\$ 18,500.00				
	Balance of Authorization				\$ -				
<b>Transfers from Capital Reserve/other funding sources:</b>									
					\$ -				
					\$ -				
<b>Total Transfers/other funding sources</b>				<b>\$ -</b>					
<b>Cash Balance</b>				<b>\$ (18,500.00)</b>					
<b>Project Allocation:</b>									
<u>Allocation per SJS Budget:</u>		<u>Amount</u>	<u>Expended</u>	<u>Available</u>	<u>Status</u>				
<b>Contracts</b>									
MRB Group		18,500.00	18,500.00	0.00	Design				
<b>Totals</b>		<b>18,500.00</b>	<b>18,500.00</b>	<b>0.00</b>					

**Operator and Engineer's Report  
SJC Meeting  
12 MAY 2021**

**1. Plant Maintenance & Operations**

- a. Digester Repair Resolution passed Ithaca City Council, hopefully Town of Ithaca Board, awaiting Town of Dryden Board. Moving forward on lining up for cleaning.
- b. Blower Repair Resolution passed Ithaca City Council, hopefully Town of Ithaca Board, awaiting Town of Dryden Board. Moving forward on shipping blowers to repair facility.

**2. Facilities Maintenance & Operations**

- a. Grit removal and misc. improvements mostly complete except for Digester issues. Grit removal system online, emergency generators connected.
- b. Flow monitoring/ I and I project continuing

**3. Staff Management**

**4. Reporting**

**5. Business, Long Term Development**

<b>Equipment</b>	<b>Usage(ft<sup>2</sup>) March</b>	<b>Usage(ft<sup>2</sup>) February</b>	<b>Usage(ft<sup>2</sup>) January</b>	<b>Usage(ft<sup>2</sup>) December</b>	<b>Usage(ft<sup>2</sup>) October</b>	<b>Usage(ft<sup>2</sup>) September</b>	<b>Usage(ft<sup>2</sup>) August</b>
<b>Micro-turbines</b>	2,291,000	2,423,000	2,382,000	2,928,000	2,609,000	2,073,000	2,158,000
<b>Boilers</b>	0	20,000	20,000	0	13,000	12,000	0
<b>Waste Flare</b>	0	1,000	0	0	7,000	28,000	0
<b>Total Biogas Produced</b>	2,291,000	2,444,000	2,402,000	2,928,000	2,629,000	2,113,000	2,158,000

DIVISION OF WATER

**WASTEWATER FACILITY OPERATION REPORT FOR THE MONTH OF March, 2021**

SPDES PERMIT NO. <b>NY 0026638</b>		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		
Mon	01	0.04	14.00	9.65	5.90	54	49	7.7	7.8	7.7	7.9	4.0	<0.10	171	31	98	34		
Tue	02	0.05	11.80	7.996	2.40	51	51	7.7	7.7	7.9	8.0	4.8	<0.10	215	22	132	15		
Wed	03	0.00	11.80	8.15	5.20	55	51	7.7	7.8	7.8	7.8	5.3	<0.10	207	37	95	30		
Thu	04	0.02	12.50	6.43	3.60	54	52	7.6	7.7	7.7	7.8	11.0	<0.10						
Fri	05	0.00	9.60	6.73	4.00	53	50	7.7	7.8	7.8	7.8	8.7	<0.10						
Sat	06	0.02	9.20	6.55	3.90	53	54	7.7	7.7	7.7	7.7	5.2	<0.10						
Sun	07	0.03	8.40	5.634	3.70	51	53	7.7	7.8	7.8	7.9	5.2	<0.10						
Mon	08	0.00	10.00	6.305	2.50	54	50	7.7	8.1	7.6	7.8	8.8	<0.10	178	6	152	6		
Tue	09	0.00	9.00	6.134	3.50	55	52	7.6	7.8	7.6	7.6	9.0	<0.10	184	6	137	5		
Wed	10	0.00	11.50	8.131	4.30	57	52	7.7	7.8	7.5	7.7	9.5	<0.10						
Thu	11	0.00	11.10	7.937	4.60	56	54	7.7	7.7	7.5	7.6	12.0	<0.10						
Fri	12	0.00	9.80	6.580	3.70	58	52	7.7	8.0	7.4	7.5	7.5	<0.10						
Sat	13	0.00	10.00	6.533	3.80	55	51	7.7	7.8	7.5	7.6	8.0	<0.10						
Sun	14	0.00	8.90	6.010	3.90	54	52	7.5	7.7	7.5	7.7	8.0	<0.10						
Mon	15	0.04	9.10	5.797	3.00	53	52	7.8	8.2	7.5	7.7	10.0	<0.10	244	10	165	8		
Tue	16	0.00	11.20	6.121	2.50	55	53	7.7	7.8	7.5	7.7	10.0	<0.10	215	17	145	23		
Wed	17	0.00	10.50	5.990	3.80	57	53	7.6	7.7	7.6	7.8	10.0	<0.10						
Thu	18		11.90	7.086	4.60	56	53	7.4	7.7	7.6	7.9	13.0	<0.10						
Fri	19	0.50	10.40	6.523	4.80	53	52	7.7	7.8	7.5	7.6	10.0	<0.10						
Sat	20	0.00	10.50	6.364	3.00	55	53	7.6	7.7	7.6	7.7	8.0	<0.10						
Sun	21	0.00	9.00	6.152	3.00	54	53	7.3	7.8	7.2	7.7	10.0	<0.10						
Mon	22	0.00	10.20	6.360	2.70	57	54	7.9	8.1	7.5	7.7	10.2	<0.10	275	4	283	4		
Tue	23	0.00	10.40	6.177	2.90	58	53	7.8	7.9	7.7	7.8	21.0	<0.10	241	4	220	5		
Wed	24	0.01	9.90	6.07	2.90	58	55	8.0	8.2	7.9	8.2	19.0	<0.10						
Thu	25	0.12	8.30	6.288	3.00	59	55	7.2	7.7	7.6	7.7	12.0	<0.10						
Fri	26	0.04	9.50	5.102	2.50	58	56	7.3	7.6	7.5	7.6	21.0	<0.10						
Sat	27		8.90	5.500	2.30	56	55	7.5	7.8	7.5	7.6	9.0	<0.10						
Sun	28		9.20	6.094	3.30	57	55	7.5	7.7	7.7	7.7	10.5	<0.10						
Mon	29	0.32	10.50	5.708	2.80	55	54	7.7	7.9	7.7	7.8	14.0	<0.10	422	3	180	5		
Tue	30	0.00	8.60	5.928	3.10	60	55	7.4	7.8	7.8	8.0	15.0	<0.10	290	5	295	5		
Wed	31	0.00	9.00	5.506	3.20	59	56	6.9	7.9	7.7	7.8	17.0	<0.10						
		Total Precip 1.19	Monthly 6.501			Monthly Influent 55	Average Effluent 53	Monthly Minimum Maximum Minimum Maximum 6.9 8.2 7.2 8.2				Monthly Maximum 21.0	Monthly Maximum <0.10	30 day arithmetic mean (1) Inf.(mg/l) Eff.(mg/l) 240 13		30 day arithmetic mean (1) Inf.(mg/l) Eff(mg/l) 173 13			
		Monthly Total 201.528												30 Day Avg Quantity Loading (1)		13,194 lbs/day	842 lbs/day	9,366 lbs/day	806 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	Effluent mg/l		Effluent		
					Pre-SO2	Post SO2	MF or MPN/100ml		Enter any other comments, observations, operating problems, equipment failure, etc.
Mon	01	2.26	1.06		0.14	0.020	2,420		
Tue	02	3.01	0.71		0.25	0.036	2,420		
Wed	03	2.59	1.41		0.26	0.007	1,733		
Thu	04				0.33	0.017	26		
Fri	05				0.69	0.013			
Sat	06				0.57	0.017			
Sun	07				0.65	0.043			
Mon	08	3.56	0.42		0.73	0.040	6		
Tue	09	3.06	0.19		0.70	0.030	4		
Wed	10				0.65	0.020			
Thu	11				0.83	0.037			
Fri	12				0.82	0.037			
Sat	13				1.06	0.057			
Sun	14				1.18	0.047			
Mon	15	3.42	0.27		1.13	0.063	2		
Tue	16	3.79	0.38		0.95	0.027	6		
Wed	17				0.87	0.007			
Thu	18				0.77	0.037			
Fri	19				1.15	0.100			
Sat	20				1.09	0.060			
Sun	21				1.25	0.077			
Mon	22	6.36	0.11		1.14	0.023	9		
Tue	23	4.88	0.13		1.03	0.027	4		
Wed	24				0.83	0.010			
Thu	25				0.43	0.040			
Fri	26				0.93	0.073			
Sat	27				1.20	0.087			
Sun	28				1.05	0.027			
Mon	29	4.41	0.10		0.99	0.050	2		
Tue	30	5.24	0.20		0.82	0.073	4		
Wed	31				0.81	0.070			
		30 day arithmetic mean (1)		TMRA	Monthly		30 Day Geo. Mean (1)		
		Influent(mg/l)	Effluent(mg/l)	Eff	Minimum(1)	Maximum(1)			
		3.87	0.45		0.14	0.100	23		
		210.80	29.08	12.04					
		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	
Mon	01																			
Tue	02																			
Wed	03																			
Thu	04																			
Fri	05																			
Sat	06																			
Sun	07																			
Mon	08																			
Tue	09																			
Wed	10																			
Thu	11																			
Fri	12																			
Sat	13																			
Sun	14																			
Mon	15																			
Tue	16																			
Wed	17	25.2	27.8	29.8	24.2							<0.020	<0.020	0.102	0.023					
Thu	18																			
Fri	19																			
Sat	20																			
Sun	21																			
Mon	22																			
Tue	23																			
Wed	24																			
Thu	25					<1.0	<1.0	2.1	<1.0	<5.0										
Fri	26																			
Sat	27																			
Sun	28																			
Mon	29																			
Tue	30																			
Wed	31																			
30 day arithmetic mean (1)		25.20 mg/l	27.80 mg/l	29.80 mg/l	24.20 mg/l	<1.0 ug/l	<1.0 ug/l	2.1 ug/l	<1.0 ug/l	<5.0 ug/l	ug/l	<0.020 mg/l	<0.020 mg/l	0.102 mg/l	0.023 mg/l	mg/l	mg/l	mg/l	mg/l	
30 Day Aver. Quantity Loading (1)		1,258.9 lbs/day	1,388.8 lbs/day	1,488.7 lbs/day	1,208.9 lbs/day	<0.052 lbs/day	<0.052 lbs/day	0.110 lbs/day	<0.052 lbs/day	<0.262 lbs/day	lbs/day	<1.00 lbs/day	<1.00 lbs/day	5.10 lbs/day	1.15 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 3949 gal.

b. Sulfur Dioxide 909 lbs.

c. Ferrous Chloride 0 gal.

d. Polymer (Pressing) \_\_\_\_\_ lbs.

e. Ferric Chloride 9361 gal.

f. Polymer (Actiflo) \_\_\_\_\_ gal.

Amount of electrical power consumed:

a. Commercial 342,000 kw.hrs.

b. Stand-by \_\_\_\_\_ kw.hrs.

Amount of fuel consumed:

a. Natural gas 1,404,900 cubic ft.

b. Oil \_\_\_\_\_ gallons

c. Gasoline \_\_\_\_\_ gallons

d. Coal \_\_\_\_\_ tons

e. Digester Gas 2,291,000 cubic ft.

f. Propane \_\_\_\_\_ gallons

Sludge removal from plant:

a. Amount 75.9 Dry Tons

b. Solid Content 22.0 %

c. Volatile Solids Content 62.0 %

d. Disposal site :  
Seneca Meadows Landfill, Waterloo, NY, 13165  
Ontario Cty. Landfill, Stanley, NY, 14561

Other Solid Wastes:

a. Screenings 116 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 0 cubic feet

TRUCKED WASTE RECEIVED THIS MONTH		
1. Septage, holding tank waste and portable toilet waste		
	Total	Max day
Volume (gallons)	340,115	
2. All other wastes		
	Total	Max day
Volume (gallons)	1,753,105	
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	184.0
Assistant Chief Operator	0	0	
Operator	5	0	912.0
Operator-Trainee	3	0	776.0
Laboratory Director	1	0	184.0
Laboratory Technician	1	0	184.0
Administrative Assistant	1	0	184.0
Interns	0	0	
Maintenance Worker	1		92


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]* CJ Kilgore Chief Operator 27 APR 2021

Signature of Chief Operator or Designated Facility Representative


# 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:     3 / 1 / 2021     Location (Outfall, Treatment Unit, or Pump Station):     Outfall 001    

Description of noncompliance(s) and cause(s):     Fecal coliform exceeded both the 7 day limit of 400/100 ml and the 30 day limit of 200/100 ml. Multiple factors involved: high solids loading from secondary system, unable to put extra finals online due to one tank out of service for upgrade and another out of service due to casualty (since repaired). Tertiary sys. would normally help but that had equip. failure over the weekend (now repaired). Increased hypo dose once aware of problem, then hypo system had partial failure resulting in 3rd day of violation. Fecal counts in excess of 2420/100ml on 1 and 2 March, 1733/100 on 3 March, back in limits on 4 March at 26/100ml. 30 day mean was 553/100ml.    

Has event ceased? (Yes)  (No)  If so, when?     3/4/2021     Was event due to plant upset? (Yes)  (No)  SPDES limits violated? (Yes)  (No)

Start date, time of event:     3 / 1 / 2021         8:00     (AM)  (PM)  End date, time of event:     3 / 4 / 2021         8:00     (AM)  (PM)

Date, time oral notification made to DEC?     3 / 8 / 2021         10:00     (AM)  (PM)  DEC Official contacted:     Matt Russo    

Immediate corrective actions:     Increase sodium hypochlorite dosing, repair hypo pump, repair tertiary system, took additional samples.    

Preventive (long term) corrective actions:     Continue repairs and upgrades to tanks, continue to ensure all equipment is maintained and in good working order.    

## 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: \_\_\_\_\_


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:     4 / 5 / 2021    

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 or Authorized Agent

A - 1

Our ref: 11153020

April 28, 2021

**Scott Gibson**  
**Assistant Superintendent**  
**City of Ithaca – DPW Division of Water & Sewer**  
**510 First Street**  
**Ithaca, NY 14850**

**Ithaca Area Wastewater Treatment Facility**  
**Emergency Repairs – Primary Digester Failure**

Dear Mr. Gibson

On March 12th 2021, the Primary Digester at the Ithaca Area WWTF experienced a blockage in the sludge transfer line that allows it to drain to the Secondary Digester which resulted in a failure of the Primary Digester cover and restraint system and has subsequently caused the digester to be taken out of service. Currently, the WWTF's Secondary Digester is functioning as the sole primary digester for the WWTF. Efforts are currently underway to return the Primary Digester to service, but capital improvements are needed to restore full functionality to the Primary Digester.

The failure of the primary digester and subsequent removal from service have greatly reduced the WWTF's capacity for storage and stabilization of solids. Additionally, the WWTF has lost the redundancy of having a second digester available. In the event that the Secondary Digester, currently functioning as primary, experiences an operational problem or shut down, the City would need to take extraordinary action to handle/process the solids removed in the wastewater treatment process.

The condition of the sludge piping and associated valves in the digester complex and connecting to other areas of the plant was a contributing factor in the failure of the Primary Digester. Important connections in this piping network are plugged or partially plugged, reducing the WWTF staff's ability to operate the digester system as designed. Over the years, attempts to clear these impacted pipes have largely been unsuccessful. Rehabilitation and upgrade of this piping network is critical to restoring reliable operation of the digester system.

As described, it is GHD's professional engineering opinion that the condition of the Primary Digester and associated equipment constitutes an emergency situation which requires immediate action on the part of the City. The NYSDEC is aware of this situation and is monitoring the progress of the ongoing repairs.

**Recommendations:**

Upon review of the situation and conditions of the Primary Digester tank, cover, and associated piping, valves, and appurtenances, the following list has been prepared to identify the items which should be addressed as a part of this emergency repair.

- Remove Primary Digester contents, dewater, and haul away for disposal.

- Re-anchor existing Primary Digester cover to existing concrete digester tank walls, including all necessary modifications and repairs to restore digester operation
- Unplug and clear bottom sludge withdrawal piping in Primary Digester, connected to Digested Sludge Pumps (primary piping used to withdraw collected solids settled at bottom of digester)
- Identification, inspection, and cleaning/replacement of existing piping systems in the digester complex, associated with both the Primary and Secondary Digesters, including associated valves and appurtenances.
- Dewater, clean, and remove contents from the Secondary Digester as necessary to accommodate inspection, cleaning, repair and/or replacement of the existing piping systems associated with the digestion process (similar to primary digester)
- Any other repairs or modifications to the Primary and Secondary Digesters and related systems that are identified as critical to reliable and safe operation of the digestion process

Please feel free to contact us to discuss any questions or comments you may have regarding the proposed repair work outlined herein.

Regards



**Jason D. Greene, PE**  
Project Director

315.802.0284  
jason.greene@ghd.com

cc: Michael Thorne, City of Ithaca  
CJ Kilgore, City of Ithaca  
Adam Scicchitano, GHD  
Bruce Munn, GHD

# Draft Total Maximum Daily Load (TMDL) for Phosphorus in Cayuga Lake

Cayuga, Seneca and Tompkins Counties, New York

April 2021 - Draft

New York State  
Department of Environmental Conservation  
625 Broadway, 4th Floor  
Albany, NY 12233-3500



**Department of  
Environmental  
Conservation**

#### 7.4.4 Accounting for Growth in the Wastewater Sector

In order to successfully achieve the Cayuga Lake TMDL targets, SPDES permits for new discharges should include enforceable provisions to achieve a 100% offset of the new loadings. Municipal facilities may secure offsets by assimilation of existing onsite systems and other existing wastewater treatment systems for which WLAs have been provided. Expansion of flow capacity can also be accommodated by improved treatment to meet the load limits. New or expanded discharges of any size will require regulation under an individual SPDES permit to implement offset provisions to ensure no increase of the TMDL TP.

#### 7.4.5 NYS Dishwaters Detergent and Nutrient Runoff Law

In 2010, the NYS Dishwasher Detergent and Nutrient Runoff Law (Chapter 205 of the laws of 2010) was signed into law to reduce phosphorus entering the waste stream from dish detergent and fertilizers. The Dishwasher Detergent and Nutrient Runoff Law amended Environmental Conservation Law section 35-0105 and added a new Title 21 to Article 17 to the Environmental Conservation Law, respectively.

By limiting the sale and use of fertilizer, the Dishwasher Detergent and Nutrient Runoff Law helps local governments reduce phosphorus loads and meet water quality standards in areas where there is excessive phosphorus. In turn, this reduces the costs incurred by local governments and private entities to remove excess phosphorus from stormwater and wastewater. Through the implementation of this law, water quality will improve for recreational and other uses of the state's waters, including Cayuga Lake. For more information: <https://www.dec.ny.gov/chemical/67239.html>.

#### 7.5 Recommended Phosphorus Management Strategies for Developed Land Use

The maps and tables in Section 7.1 have been developed to help stakeholders select cost effective BMPs and to target specific forms of P to reduce P from developed lands in critical areas of the Cayuga watershed. Programs available to support BMP implementation can be found in Appendix G: Implementation Resources.

DEC includes construction and post construction requirements in comprehensive technical standards that are referenced in the SPDES General Permit for Stormwater Discharges from Municipal Separate Storm Sewer Systems (SPDES MS4; GP-0-15-003) and SPDES General Permit for Stormwater Discharges from Construction Activity (GP-0-20-001).

##### 7.5.1 Municipal Separate Storm Sewer Systems (MS4s)

GP-0-15-003 was issued in April 2015, with a modification which took effect on January 13, 2016. GP-0-15-003 authorizes the discharge of stormwater from small MS4s in automatically or additionally designated areas (regulated area). GP-0-15-003 is available online at <http://www.dec.ny.gov/chemical/43150.html>. There are six municipalities in the Cayuga Lake watershed that qualify as small MS4s and are covered by GP-0-15-003. These six municipalities are all located in Tompkins County and cover approximately 21,000 acres within the Cayuga Lake watershed. The City of Ithaca dominates the regulated area (approximately 10,700 acres). The other six smaller municipalities are: Village of Lansing, Town of Dryden, Village of Cayuga Heights, Town of Newfield, Town of Ulysses, and Town of Caroline.