

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, June 09, 2021 1:00pm

Join Zoom Meeting

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

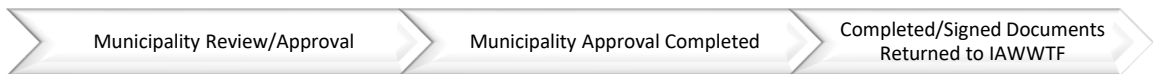
Meeting ID: 849 7294 3614 Password: 7XNNAr

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) [Food Donation and Food Scraps Recycling Law](#) – *José Lozano, Luis Aguirre-Torres*
 - b) Green Energy Grant Opportunities – *José Lozano, Luis Aguirre-Torres*
 - c) Group of Six – update, *Bill Goodman*
 - d) SJC comment letter on the draft Cayuga Lake TMDL <https://www.dec.ny.gov/chemical/23835.html> draft to be sent separately
- 6) Adjournment

Upcoming Meeting Dates: July 14, August 11

Approval Status Dashboard



Emergency Funding Agreements

City of Ithaca	X	X	n/a
Town of Dryden	X	X	n/a
Town of Ithaca	x	x	n/a

City Harbor Agreements

City of Ithaca	X	X	X
Town of Dryden	X	X	
Town of Ithaca	X	x	x

Water Main Easement Agreements

City of Ithaca	X	X
Town of Dryden		
Town of Ithaca		

Behind the Meter Agreements

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)
 6/4/2021

Revenues:							
J8150							
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%		
Total Revenues as of 12/31/20		\$ 4,651,861	\$ 4,784,604	\$ 132,743	102.85%		

IAWWTF
 Approved Budget and Actual Activity
 As of December 31, 2020 (Not Final)
 6/4/2021

Expenditures:							
J8150							
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%		
	Total All Expenditures as of 12/31/20	\$ 4,939,116	\$ 4,606,156	\$ 332,960	93.26%		

IAWWTF
 Approved Budget and Actual Activity
 As of December 31, 2020 (Not Final)
 6/4/2021

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

IAWWTF
 Approved Budget and Actual Activity
 As of May 31, 2021
 6/4/2021

Revenues:							
J8150							
Account #	Description	Budget	Actual	Excess or (Deficiency)	% Rec'd		
2373	Septage Service Other	\$ 495,000	\$ 153,942	\$ (341,058)	31.10%		
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%		
Total Revenues as of 5/31/21		\$ 4,878,894	\$ 1,766,942	\$ (3,111,952)	36.22%		

IAWWTF
Approved Budget and Actual Activity
As of May 31, 2021
6/4/2021

Expenditures:							
J8150							
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	\$ 833,775	\$ 300,458	\$ 533,317	36.04%		
5115	Hourly F/T	\$ 21,110	\$ 9,361	\$ 11,749	44.34%		
5120	Hourly P/T	\$ 7,500	\$ 11,419	\$ (3,919)	152.25%		
5125	Overtime	\$ 22,000	\$ 7,722	\$ 14,278	35.10%		
5210	Office Equipment	\$ -	\$ -	\$ -	0.00%		
5215	Motor Vehicles	\$ -	\$ -	\$ -	0.00%		
5225	Other Equipment	\$ -	\$ -	\$ -	0.00%		
5405	Telephone	\$ 6,200	\$ 1,607	\$ 4,593	25.92%		
5410	Utilities	\$ 280,000	\$ 122,865	\$ 157,135	43.88%		
5415	Clothing	\$ 7,500	\$ 3,380	\$ 4,120	45.07%		
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	\$ 10,071	\$ 104,929	8.76%		
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	\$ 438	\$ 19,562	2.19%		
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	\$ 88,319	\$ 46,681	65.42%		
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	\$ 1,735	\$ 4,265	28.92%		
5495	Treatment Supplies	\$ 550,000	\$ 123,928	\$ 426,072	22.53%		
5496	Lab Supplies	\$ 84,000	\$ 18,676	\$ 65,324	22.23%		
5499	Sludge Disposal Fees	\$ 450,000	\$ 113,180	\$ 336,820	25.15%		
5700	Prior Year Encumbrances	\$ -	\$ -	\$ -	0.00%		
5720	Prior Year Equipment	\$ -	\$ -	\$ -	0.00%		
	Sub-Totals	\$ 3,108,614	\$ 1,007,835	\$ 2,100,779	32.42%		
<i>Benefits:</i>							
9010	State Retirement	\$ 133,110	\$ -	\$ 133,110	0.00%		
9030	Social Security	\$ 67,655	\$ 25,165	\$ 42,490	37.20%		
9040	Workers Compensation	\$ 25,800	\$ 6,972	\$ 18,828	27.02%		
9050	Unemployment Insurance	\$ -	\$ -	\$ -	0.00%		
9060	Health Insurance	\$ 384,420	\$ 212,878	\$ 171,542	55.38%		
9070	Dental Insurance	\$ 3,500	\$ 1,869	\$ 1,631	53.40%		
9080	Day Care Assistance	\$ 200	\$ -	\$ 200	0.00%		
9089	Employee Tuition	\$ 2,000	\$ -	\$ 2,000	0.00%		
	Sub-Totals	\$ 616,685	\$ 246,884	\$ 369,801	40.03%		
<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%		
	Total All Expenditures as of 5/31/21	\$ 4,878,894	\$ 2,087,747	\$ 2,791,147	42.79%		

IAWWTF
 Approved Budget and Actual Activity
 As of May 31, 2021
 6/4/2021

	Surplus(deficit) as of 5/31/21		\$ -	\$ (320,805)		\$ (320,805)	
	*\$0 was appropriated from Fund Balance surplus for 2021						

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		\$ 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	\$ (25,268.96)	\$ (10,268.96)	\$ 132,927	\$ 143,195.96	\$ 1,419.55	\$ 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	\$ 1,820,554.11	\$ 3,470,554.11	\$ 13,191,850	\$ 9,721,295.89	\$ 700,168.97	\$ 13,191,850.00	Authorized, capital reserve funding/Bonds
423J	IAWWTF Boiler Room Evaluation	Active	\$ (18,500.00)	\$ -	\$ 18,500	\$ 18,500.00	\$ -	\$ 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
	Total Capital Projects		\$ 2,720,108.60	\$ 4,630,751.80	\$ 36,541,958.00	\$ 32,335,297.20	\$ 701,588.52	\$ 35,878,658.00	
	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		\$ 27,395	Prepaid expenses					
	Assigned		\$ 461,887	Encumbrances, next year budget					
	Unassigned		\$ 1,116,391						
	Total Fund Balance		\$ 1,859,222						
	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						
	Total Fund Balance		\$ 1,540,780						

City of Ithaca
IAWWTP
Summary of CP 414J
6/4/2021

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	1405	\$ 1,389.42	inv 38576 flow meter work 2/15/21-3/16/21				
5/12/2021	MRB Group			1408	\$ 1,419.55	inv 38938 flow meter work 3/17/21-4/13/21				
Total Expenditures to date							\$ 143,195.96			
Balance of Authorization							\$ (10,268.96)			
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							\$ (25,268.96)			
Contracts:										
		Amount	Expended	Balance						
McPherson Builders		\$ 59,808.00	\$ 59,808.00	\$ -						
MRB Group		\$ 24,900.00	\$ 38,776.54	\$ (13,876.54)	Design work					

**Operator and Engineer's Report
SJC Meeting
9 JUNE 2021**

1. Plant Maintenance & Operations

- a. Digester Pumpdown/dewatering in progress.
- b. Blowers shipped to repair facility week before last.

2. Facilities Maintenance & Operations

- a. Grit removal start up continuing.
- b. Flow monitoring/ I and I project continuing

3. Staff Management

4. Reporting

5. Business, Long Term Development

Equipment	Usage(ft²) April	Usage(ft²) March	Usage(ft²) February	Usage(ft²) January	Usage(ft²) December	Usage(ft²) November
Micro-turbines	2,493,000	2,291,000	2,423,000	2,382,000	2,928,000	2,609,000
Boilers	57,000	0	20,000	20,000	0	13,000
Waste Flare	39,000	0	1,000	0	0	7,000
Total Biogas Produced	2,589,000	2,291,000	2,444,000	2,402,000	2,928,000	2,629,000

DIVISION OF WATER

WASTEWATER FACILITY OPERATION REPORT FOR THE MONTH OF April, 2021

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 (mg/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								
Thu	01	0.32	9.50	7.07	4.00	56	56	7.3	8.0	7.8	8.1	30.0	<0.10												
Fri	02	0.14	9.60	5.643	3.00	56	55	7.4	7.7	7.6	7.8	10.0	<0.10												
Sat	03	0.00	9.00	5.71	2.80	55	55	7.7	7.8	7.6	7.7	11.0	<0.10												
Sun	04	0.00	8.50	5.54	2.70	57	56	7.7	7.8	7.6	7.8	11.0	<0.10												
Mon	05	0.00	9.80	5.73	2.70	59	55	7.7	7.8	7.0	7.8	12.0	<0.10	354	9	296	5								
Tue	06	0.00	9.00	5.68	2.50	58	56	7.8	8.0	7.7	7.8	15.0	<0.10	309	13	209	12								
Wed	07	0.00	9.50	5.483	2.90	60	56	7.9	7.9	7.7	7.9	12.0	<0.10												
Thu	08	0.00	9.30	5.569	2.90	61	57	7.7	7.9	7.7	7.8	16.0	<0.10												
Fri	09	0.00	9.30	5.265	2.20	61	58	7.8	8.0	7.6	7.8	14.0	<0.10												
Sat	10	0.00	8.50	5.084	2.30	60	58	7.8	7.8	7.6	7.7	10.0	<0.10												
Sun	11		8.30	5.649	2.40	59	59	7.8	7.9	7.7	7.8	13.0	<0.10												
Mon	12	0.28	9.70	6.444	3.70	64	59	7.7	7.8	7.4	7.8	13.0	<0.10	198	6	237	6								
Tue	13	0.25	9.90	5.978	3.00	61	58	7.8	7.8	7.5	7.7	10.0	<0.10	204	7	231	6								
Wed	14	0.01	9.10	5.675	2.70	61	58	7.6	7.8	7.6	7.8	14.0	<0.10												
Thu	15	0.00	9.10	5.913	3.00	58	59	6.1	7.7	7.6	7.9	40.0	<0.10												
Fri	16	0.28	10.50	7.750	4.60	57	58	7.7	8.1	7.6	7.8	23.0	<2.23												
Sat	17	0.56	9.10	6.770	4.00	57	59	7.8	7.8	7.8	7.8	8.5	<0.10												
Sun	18	0.04	8.70	6.260	3.90	59	58	7.7	7.9	8.0	8.0	10.5	<0.10												
Mon	19	0.04	9.10	6.155	3.90	61	57	7.6	8.0	7.8	7.9	11.0	<0.10	222	13	315	2								
Tue	20	0.03	8.50	6.046	4.20	59	58	7.7	7.8	7.8	7.9	11.0	<0.10	229	19	263	2								
Wed	21	0.24	8.70	6.825	4.20	57	58	7.7	7.8	7.8	7.9	10.0	<0.10												
Thu	22	0.16	8.50	6.086	3.60	58	59	7.7	7.9	7.8	7.9	9.5	<0.10												
Fri	23	0.01	8.70	6.014	3.50	60	56	7.8	8.1	7.7	7.9	10.0	<0.10												
Sat	24	0.00	7.60	5.98	3.50	60	57	7.8	7.9	7.7	7.8	8.5	<0.10												
Sun	25	0.11	7.50	5.450	3.60	59	58	7.8	7.9	7.7	7.9	10.0	<0.10												
Mon	26		8.10	5.927	3.50	61	56	7.7	7.8	7.8	7.8	15.0	<0.10	198	18	228	3								
Tue	27	0.04	9.00	5.829	3.50	62	58	7.8	7.9	7.6	7.7	13.0	<0.10	177	20	247	3								
Wed	28	0.00	8.60	5.817	3.50	62	59	7.7	7.9	7.6	7.7	10.0	<0.10												
Thu	29	0.03	19.70	11.123	5.00		60	7.7	7.8	7.6	7.9	12.0	<0.10												
Fri	30	1.34	13.30	9.408	6.10	61	56	7.6	7.8	7.5	7.7	7.5	<0.10												
		Total Precip 3.88	Monthly 6.262		Monthly Average Influent 59 Effluent 57		Monthly Influent Minimum 6.1 Maximum 8.1 Effluent Minimum 7.0 Maximum 8.1				Monthly Maximum 40.0	Monthly Maximum <2.23	30 day arithmetic mean (1) Inf.(mg/l) 236 Eff.(mg/l) 13		30 day arithmetic mean (1) Inf.(mg/l) 253 Eff.(mg/l) 5										
		Monthly Total 187.858																		30 Day Avg Quantity Loading (1)		11,712 lbs/day	651 lbs/day	12,626 lbs/day	241 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			
Thu	01				0.84	0.053			
Fri	02				0.76	0.070			
Sat	03				0.75	0.057			
Sun	04				0.80	0.053			
Mon	05	6.27	0.10		1.05	0.063	3		
Tue	06	4.00	0.23		0.67	0.083	3		
Wed	07				0.93	0.080			
Thu	08				0.96	0.077			
Fri	09				1.02	0.077			
Sat	10				1.19	0.063			
Sun	11				1.24	0.087			
Mon	12	4.28	0.12		0.71	0.053	1		
Tue	13	4.19	0.11		0.46	0.053	10		
Wed	14				0.57	0.050			
Thu	15				0.57	0.017			
Fri	16				0.46	0.007			
Sat	17				0.44	0.037			
Sun	18				0.50	0.043			
Mon	19	6.72	0.41		0.63	0.027	10		
Tue	20	5.82	0.60		0.61	0.033	13		
Wed	21				0.42	0.043			
Thu	22				0.37	0.043			
Fri	23				0.44	0.043			
Sat	24				0.62	0.017			
Sun	25				0.54	0.013			
Mon	26	8.18	0.82		0.73	0.017	77		
Tue	27	5.46	0.96		0.50	0.017	7		
Wed	28				0.57	0.023			
Thu	29				0.42	0.020			
Fri	30				0.34	0.033			
		30 day arithmetic mean (1) Influent(mg/l) Effluent(mg/l)		TMRA Eff	Monthly Minimum(1) Maximum(1)		30 Day Geo. Mean (1)		
		5.62 0.42			0.34 0.087		7		
		279.52 20.76							
		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	Sample Influent	Type Effluent	Sample Influent	Type Effluent	Sample 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	
Thu	01																			
Fri	02																			
Sat	03																			
Sun	04																			
Mon	05																			
Tue	06																			
Wed	07	23.4	20.3	25.7	32.2	<1.0	<1.0	1.2	<1.0	<2.0	<5.0	<0.020	<0.020	0.100	0.038	<0.020	<0.020	<0.020	0.033	
Thu	08																			
Fri	09																			
Sat	10																			
Sun	11																			
Mon	12																			
Tue	13																			
Wed	14																			
Thu	15																			
Fri	16																			
Sat	17																			
Sun	18																			
Mon	19																			
Tue	20																			
Wed	21																			
Thu	22																			
Fri	23																			
Sat	24																			
Sun	25																			
Mon	26																			
Tue	27																			
Wed	28																			
Thu	29																			
Fri	30																			
30 day arithmetic mean (1)		23.40 mg/l	20.30 mg/l	25.70 mg/l	32.20 mg/l	<1.0 ug/l	<1.0 ug/l	1.2 ug/l	<1.0 ug/l	<2.0 ug/l	<5.0 ug/l	<0.020 mg/l	<0.020 mg/l	0.100 mg/l	0.038 mg/l	<0.020 mg/l	<0.020 mg/l	<0.020 mg/l	0.033 mg/l	
30 Day Aver. Quantity Loading (1)		1,070.0 lbs/day	928.3 lbs/day	1,175.2 lbs/day	1,472.4 lbs/day	<0.046 lbs/day	<0.046 lbs/day	0.055 lbs/day	<0.046 lbs/day	<0.091 lbs/day	<0.23 lbs/day	<0.91 lbs/day	<0.91 lbs/day	4.57 lbs/day	1.74 lbs/day	<0.91 lbs/day	<0.91 lbs/day	<0.91 lbs/day	1.51 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: 4 / 16 / 2021 Location (Outfall, Treatment Unit, or Pump Station): Outfall 001

Description of noncompliance(s) and cause(s): 1 of 3 daily required Effluent Settleable Solids was 6.5 ml/L, limit is 0.3 ml/L. Cause was clog in tertiary system sand separation cyclone allowing sand to carry over into effluent.

Has event ceased? (Yes) ~~(No)~~ If so, when? 4/16/21 Was event due to plant upset? ~~(Yes)~~ (No) SPDES limits violated? (Yes) ~~(No)~~

Start date, time of event: 4 / 16 / 2021, 7 : 49 (AM) ~~(PM)~~ End date, time of event: 4 / 16 / 2021, 12:00 ~~(AM)~~ (PM)

Date, time oral notification made to DEC? 4 / 16 / 2021 8 : 30 (AM) ~~(PM)~~ DEC Official contacted: Matt Russo

Immediate corrective actions: Shut down tertiary system, allow secondary process to continue.

Preventive (long term) corrective actions: Was in the process of obtaining and installing pressure switches on suction and discharge sides of sand pumps to prevent pump damage - these would have alternated pumps and prevented the problem. Awaiting arrival and installation of switches.

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: 4/27/2021

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

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