

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 17, 2020 1:00pm

Join Zoom Meeting

<https://us02web.zoom.us/j/84080482684?pwd=QnV2YnE5ZE1TY05sUU1xTGJBU01kQT09>

Meeting ID: 840 8048 2684

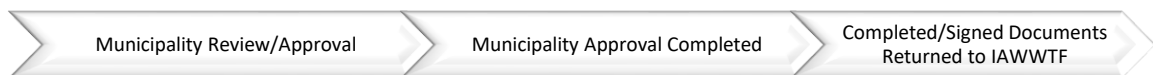
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One tap mobile +19292056099,,84080482684#,,1#,690154# US (New York)

- 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) Voting Items
- 6) Presentation/Discussion Items
 - a) City Harbor status
- 7) Adjournment

Upcoming Meeting Dates: July 8, August 12 (beginning in July SJC meets on 2nd Wednesday)

Approval Status Dashboard



Capital Project Actiflow Tertiary Treatment Phosphorus Removal System (4/15/2020)

City of Ithaca	City Administration 4/15	Common Council 5/6	completed
Town of Dryden	Town Board Mtg 5/21	Town Board Mtg 6/11	--
Town of Ithaca	Town Board Mtg	--	completed

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, 2019 (Not Final)
 6/12/2020

Revenues:							
J8150							
Account #	Description		Budget	Actual	Excess or (Deficiency)	% Rec'd	
2373	Septage Service Other		\$ 420,000	\$ 468,318	\$ 48,318	111.50%	
2374	Sewer Service Other Govt's		\$ 2,824,544	\$ 2,824,544	\$ -	100.00%	
2392	Debt Service Other Govt's		\$ 896,696	\$ 893,268	\$ (3,428)	99.62%	
2401	Interest & Earnings		\$ 3,000	\$ 8,256	\$ 5,256	275.20%	
2665	Sale of Equipment		\$ 3,000	\$ 607	\$ (2,393)	20.23%	
2680	Insurance Recoveries		\$ -	\$ -	\$ -		
2701	Refund of Prior Year Expense		\$ -	\$ -	\$ -		
2705	Gifts and Donations		\$ -	\$ -	\$ -		
2770	Unclassified Revenue		\$ 1,500	\$ 9,000	\$ 7,500	600.00%	
Total Revenues as of 12/31/19			\$ 4,148,740	\$ 4,203,993	\$ 55,253	101.33%	

IAWWTF
 Approved Budget and Actual Activity
 As of December 31, 2019 (Not Final)
 6/12/2020

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	\$ 67,832	\$ 1,423	97.95%		
5110	Staff Salaries	\$ 813,202	\$ 672,173	\$ 141,029	82.66%		
5115	Hourly F/T	\$ 38,197	\$ 37,375	\$ 822	97.85%		
5120	Hourly P/T	\$ 25,000	\$ 58,194	\$ (33,194)	232.78%		
5125	Overtime	\$ 22,000	\$ 17,558	\$ 4,442	79.81%		
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	\$ 5,335	\$ 865	86.05%		
5410	Utilities	\$ 283,000	\$ 226,058	\$ 56,942	79.88%		
5415	Clothing	\$ 6,500	\$ 7,569	\$ (1,069)	116.45%		
5420	Gas & Oil	\$ 10,000	\$ 4,132	\$ 5,868	41.32%		
5425	Office Expense	\$ 2,000	\$ 1,870	\$ 130	93.50%		
5430	Fees	\$ 115,000	\$ 93,304	\$ 21,696	81.13%		
5435	Contracts	\$ 185,000	\$ 181,723	\$ 3,277	98.23%		
5436	Overhead Charge City General Fund	\$ 189,790	\$ 189,790	\$ -	100.00%		
5440	Staff Development	\$ 18,000	\$ 20,644	\$ (2,644)	114.69%		
5450	Advertising	\$ 200	\$ 103	\$ 97	51.50%		
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	\$ 178,717	\$ (78,717)	178.72%		
5479	Vehicle Maintenance	\$ 2,000	\$ -	\$ 2,000	0.00%		
5480	Building Maintenance Supplies	\$ 22,000	\$ 7,611	\$ 14,389	34.60%		
5494	Safety Materials & Supplies	\$ 6,000	\$ 6,237	\$ (237)	103.95%		
5495	Treatment Supplies	\$ 402,000	\$ 438,412	\$ (36,412)	109.06%		
5496	Lab Supplies	\$ 84,000	\$ 92,474	\$ (8,474)	110.09%		
5499	Sludge Disposal Fees	\$ 320,000	\$ 415,989	\$ (95,989)	130.00%		
5700	Prior Year Encumbrances	\$ 93,514	\$ 93,514	\$ -	0.00%		
5720	Prior Year Equipment	\$ 30,000	\$ 30,000	\$ -	0.00%		
	Sub-Totals	\$ 3,051,977	\$ 2,984,058	\$ 67,919	97.77%		
<i>Benefits:</i>							
9010	State Retirement	\$ 110,925	\$ 110,142	\$ 783	99.29%		
9030	Social Security	\$ 74,026	\$ 65,297	\$ 8,729	88.21%		
9040	Workers Compensation	\$ 29,160	\$ 12,221	\$ 16,939	41.91%		
9050	Unemployment Insurance	\$ -	\$ -	\$ -	0.00%		
9060	Health Insurance	\$ 354,620	\$ 365,947	\$ (11,327)	103.19%		
9070	Dental Insurance	\$ 3,200	\$ 3,499	\$ (299)	109.34%		
9080	Day Care Assistance	\$ 250	\$ -	\$ 250	0.00%		
9089	Employee Tuition	\$ 1,400	\$ -	\$ 1,400	0.00%		
	Sub-Totals	\$ 573,581	\$ 557,106	\$ 16,475	97.13%		
<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 12/31/19		\$ 4,522,254	\$ 4,434,432	\$ 87,822	98.06%		

IAWWTF
 Approved Budget and Actual Activity
 As of December 31, 2019 (Not Final)
 6/12/2020

	Surplus(deficit) as of 12/31/19		\$ (373,514)	\$ (230,439)		\$ 143,075	
	*\$250,000 was appropriated from Fund Balance surplus for 2019						

IAWWTF
 Approved Budget and Actual Activity
 As of May 31, 2020
 6/12/2020

Revenues:							
J8150							
Account #	Description	Budget	Actual	Excess or (Deficiency)	% Rec'd		
2373	Septage Service Other	\$ 495,000	\$ 169,059	\$ (325,941)	34.15%		
2374	Sewer Service Other Govt's	\$ 3,005,275	\$ 1,502,638	\$ (1,502,637)	50.00%		
2392	Debt Service Other Govt's	\$ 1,145,886	\$ -	\$ (1,145,886)	0.00%		
2401	Interest & Earnings	\$ 3,200	\$ -	\$ (3,200)	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 5/31/20		\$ 4,651,861	\$ 1,671,697	\$ (2,980,164)	35.94%		

IAWWTF
Approved Budget and Actual Activity
As of May 31, 2020
6/12/2020

Expenditures:							Available	%
J8150							Balance	Used
Account #	Description	Budget	Actual					
<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	\$ -	\$ -			\$ -	0.00%	
5110	Staff Salaries	\$ 894,065	\$ 313,504			\$ 580,561	35.07%	
5115	Hourly F/T	\$ 40,516	\$ 16,980			\$ 23,536	41.91%	
5120	Hourly P/T	\$ 25,000	\$ 12,614			\$ 12,386	50.46%	
5125	Overtime	\$ 22,000	\$ 6,201			\$ 15,799	28.19%	
5210	Office Equipment	\$ -	\$ -			\$ -	0.00%	
5215	Motor Vehicles	\$ -	\$ -			\$ -	0.00%	
5225	Other Equipment	\$ 60,000	\$ -			\$ 60,000	0.00%	
5405	Telephone	\$ 6,200	\$ 1,370			\$ 4,830	22.10%	
5410	Utilities	\$ 280,000	\$ 199,464			\$ 80,536	71.24%	
5415	Clothing	\$ 7,200	\$ 3,685			\$ 3,515	51.18%	
5420	Gas & Oil	\$ 10,000	\$ -			\$ 10,000	0.00%	
5425	Office Expense	\$ 2,000	\$ 408			\$ 1,592	20.40%	
5430	Fees	\$ 115,000	\$ 7,012			\$ 107,988	6.10%	
5435	Contracts	\$ 170,000	\$ 46,813			\$ 123,187	27.54%	
5436	Overhead Charge City General Fund	\$ 194,424	\$ -			\$ 194,424	0.00%	
5440	Staff Development	\$ 18,000	\$ 8,080			\$ 9,920	44.89%	
5450	Advertising	\$ 200	\$ -			\$ 200	0.00%	
5455	Insurance	\$ 144,000	\$ 149,451			\$ (5,451)	103.79%	
5475	Property Maintenance	\$ -	\$ -			\$ -	0.00%	
5476	Equipment Maintenance	\$ -	\$ -			\$ -	0.00%	
5477	Equipment Parts	\$ 105,000	\$ 47,664			\$ 57,336	45.39%	
5479	Vehicle Maintenance	\$ 2,000	\$ -			\$ 2,000	0.00%	
5480	Building Maintenance Supplies	\$ 22,000	\$ 832			\$ 21,168	3.78%	
5494	Safety Materials & Supplies	\$ 6,000	\$ 267			\$ 5,733	4.45%	
5495	Treatment Supplies	\$ 550,000	\$ 199,487			\$ 350,513	36.27%	
5496	Lab Supplies	\$ 84,000	\$ 36,357			\$ 47,643	43.28%	
5499	Sludge Disposal Fees	\$ 375,000	\$ 123,186			\$ 251,814	32.85%	
5700	Prior Year Encumbrances	\$ 12,936	\$ 12,936			\$ -	0.00%	
5720	Prior Year Equipment	\$ -	\$ -			\$ -	0.00%	
	Sub-Totals	\$ 3,166,660	\$ 1,186,311			\$ 1,980,349	37.46%	
<i>Benefits:</i>								
9010	State Retirement	\$ 118,320	\$ -			\$ 118,320	0.00%	
9030	Social Security	\$ 75,091	\$ 26,754			\$ 48,337	35.63%	
9040	Workers Compensation	\$ 23,000	\$ 6,160			\$ 16,840	26.78%	
9050	Unemployment Insurance	\$ -	\$ -			\$ -	0.00%	
9060	Health Insurance	\$ 381,440	\$ 178,525			\$ 202,915	46.80%	
9070	Dental Insurance	\$ 3,200	\$ 1,771			\$ 1,429	55.34%	
9080	Day Care Assistance	\$ 200	\$ -			\$ 200	0.00%	
9089	Employee Tuition	\$ 1,000	\$ -			\$ 1,000	0.00%	
	Sub-Totals	\$ 602,251	\$ 213,210			\$ 389,041	35.40%	
<i>Debt Service</i>								
9710	Serial Bonds	\$ 554,821	\$ 452,568			\$ 102,253	81.57%	
9711	Interest on Serial Bonds	\$ 456,540	\$ 231,258			\$ 225,282	50.65%	
9730	BANS	\$ -	\$ -			\$ -	0.00%	
9731	Interest on BANS	\$ 134,525	\$ 134,525			\$ -	100.00%	
	Sub-Totals	\$ 1,145,886	\$ 818,351			\$ 327,535	71.42%	
<i>Interfund Transfers</i>								
9951	Transfer to Capital Reserves	\$ -	\$ -			\$ -	0.00%	
	Sub-Totals	\$ -	\$ -			\$ -	0.00%	
Total All Expenditures as of 5/31/20		\$ 4,914,797	\$ 2,217,872			\$ 2,696,925	45.13%	

IAWWTF
 Approved Budget and Actual Activity
 As of May 31, 2020
 6/12/2020

	Surplus(deficit) as of 5/31/20		\$ (262,936)	\$ (546,175)		\$ (283,239)	
	*\$250,000 was appropriated from Fund Balance surplus for 2020						

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	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	\$ (26,065.75)	\$ 3,934.25	\$ 132,927	\$ 128,993.00	\$ 25,745.83	\$ 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	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 Design for Various Improvements to Plant	Active	\$ 7,169,301.67	\$ 11,086,976.67	\$ 11,541,850	\$ 454,873.30	\$ -	\$ 7,624,175.00	Authorized, capital reserve funding/Bonds
423J	IAWWTF Boiler Room Evaluation	Active	\$ -	\$ 18,500.00	\$ 18,500	\$ -	\$ -	\$ 18,500.00	Authorized, capital reserve funding
424J	IAWWTF Actiflow System Upgrade	Active	\$ -	\$ 102,385.00	\$ 102,685	\$ -	\$ -	\$ 102,385.00	Authorized, funding from each entity
	Total Capital Projects		\$ 7,728,599.40	\$ 11,924,302.60	\$ 34,434,958.00	\$ 22,934,446.62	\$ 25,745.83	\$ 29,823,983.00	
	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						

IAWWTP Flow Meter Stations Rehabilitation CP 414J				Amount	Source	
6/2/2004	CC regular Meeting			\$ 100,000.00	Capital Reserve J1/Bonds	
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	
8/6/2019	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		1322	\$ 708.67	inv 29905 Flow meter work 12/25/18-12/22/18	
4/15/2019	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		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 3/15/20-4/11/20	
Total Expenditures to date				\$ 128,992.75		
Balance of Authorization				\$ 3,934.25		
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				\$ (26,065.75)		
Contracts:						
		Amount	Expended	Balance		
McPherson Builders		\$ 59,808.00	\$ 59,808.00	\$ -		
MRB Group		\$ 24,900.00	\$ 24,573.33	\$ 326.67	Design work	

DIVISION OF WATER

WASTEWATER FACILITY OPERATION REPORT FOR THE MONTH OF

April, 2020

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			
Wed	01	0.03	10.50	6.43	3.60	56	54	7.7	7.9	7.4	7.5	3.8	<0.10							
Thu	02	0.00	9.30	6.186	3.00	57	55	7.7	7.8	7.3	7.4	4.9	<0.10							
Fri	03		8.20	5.85	3.20	56	53	7.6	7.7	7.3	7.5	4.7	<0.10							
Sat	04	0.25	8.00	5.59	3.10	57	54	7.5	7.5	7.2	7.2	4.2	<0.10							
Sun	05		7.60	5.39	3.00	59	55	7.6	7.7	7.1	7.2	1.6	<0.10							
Mon	06		9.30	5.53	1.90	58	54	7.6	7.8	7.1	7.2	5.2	<0.10	237	8	320	3			
Tue	07	0.00	8.00	5.944	4.40	59	55	7.5	7.5	7.1	7.2	5.5	<0.10	128	11	123	4			
Wed	08	0.35	9.10	5.660	3.00	58	55	7.4	7.5	7.1	7.2	5.0	<0.10							
Thu	09	0.03	8.60	5.643	2.80	58	55	7.5	7.6	7.1	7.5	5.3	<0.10							
Fri	10	0.08	7.90	5.171	2.50	55	55	7.6	7.7	7.3	7.4	4.7	<0.10							
Sat	11	0.01	8.10	5.355	2.50	57	55	7.4	7.6	7.2	7.4	3.8	<0.10							
Sun	12	0.00	8.10	5.248	2.30	57	54	7.6	7.9	7.3	7.5	3.8	<0.10							
Mon	13	0.05	8.80	5.824	2.40	59	55	7.5	7.7	7.2	7.4	5.5	<0.10	142	12	147	3			
Tue	14	0.22	8.30	5.222	2.00	58	55	7.5	7.6	7.2	7.3	4.6	<0.10	133	14	94	3			
Wed	15		8.10	5.278	2.40	58	55	7.4	7.6	7.2	7.5	5.0	<0.10							
Thu	16	0.19	8.30	5.150	2.40	58	55	7.5	8.0	7.2	7.5	4.2	<0.10							
Fri	17		8.20	5.418	3.20	59	55	7.5	7.7	7.3	7.6	5.0	<0.10							
Sat	18	0.23	8.80	5.904	3.20	57	55	7.5	7.6	7.3	7.4	3.5	<0.10							
Sun	19	0.01	8.20	5.870	3.10	59	54	7.3	7.6	7.3	7.4	3.3	<0.10							
Mon	20	0.05	8.40	5.320	2.80	59	55	7.5	7.9	7.1	7.4	5.2	<0.10	133	9	132	3			
Tue	21	0.00	8.90	5.477	3.00	58	55	7.5	7.6	7.2	7.3	6.3	<0.10	121	8	93	3			
Wed	22	0.02	8.30	5.555	2.50	56	55	7.6	7.7	7.3	7.6	5.2	<0.10							
Thu	23	0.00	7.50	5.099	2.60	56	54	7.6	7.7	7.3	7.4	5.0	<0.10							
Fri	24	0.06	8.60	5.25	2.50	58	55	7.6	7.7	7.2	7.5	4.8	<0.10							
Sat	25	0.02	7.10	4.998	2.50	57	55	7.5	7.5	7.2	7.4	3.7	<0.10							
Sun	26	0.00	17.70	11.114	3.20	57	55	7.4	7.5	7.2	7.3	2.8	<0.10							
Mon	27	1.47	14.40	10.024	5.60	58	52	7.4	7.6	7.3	7.6	2.9	<0.10	75	10	83	7			
Tue	28	0.06	11.70	5.399	5.00	57	53	7.5	7.7	7.2	7.4	2.1	<0.10	90	8	62	3			
Wed	29	0.00	10.60	10.521	4.00	57	54	7.5	7.5	7.3	7.6	3.5	<0.10							
Thu	30	0.00	28.50	15.619	6.50	58	55	7.5	7.7	7.2	7.5	3.3	<0.10							
		Total Precip 3.13	Monthly 6.368			Monthly Influent 58	Average Effluent 55	Monthly Minimum 7.3				Maximum 8.0	Minimum 7.1	Maximum 7.6	Monthly Maximum 6.3	Monthly Maximum <0.10	30 day arithmetic mean (1) Inf.(mg/l) Eff.(mg/l) 132 10		30 day arithmetic mean (1) Inf.(mg/l) Eff.(mg/l) 132 4	
		Monthly Total 191.053												30 Day Avg Quantity Loading (1) 6,465 lbs/day		508 lbs/day	6,491 lbs/day	200 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			
Wed	01				0.47	0.020			
Thu	02				0.33	0.020			
Fri	03				0.47	0.010			
Sat	04				0.51	0.010			
Sun	05				0.55	0.070			
Mon	06	4.83	0.03		0.48	0.030	5		
Tue	07	2.82	0.04		0.45	0.050	36		
Wed	08				0.41	0.020			
Thu	09				0.40	0.040			
Fri	10				0.46	0.010			
Sat	11				0.59	0.010			
Sun	12				0.49	0.020			
Mon	13	3.20	0.04		0.35	0.040	7		
Tue	14	2.72	0.06		0.38	0.060	6		
Wed	15				0.31	0.050			
Thu	16				0.37	0.030			
Fri	17				0.39	0.010			
Sat	18				0.51	0.010			
Sun	19				0.53	0.060			
Mon	20	3.68	0.03		0.52	0.010	6		
Tue	21	2.79	0.04		0.58	0.040	15		
Wed	22				0.58	0.030			
Thu	23				0.55	0.040			
Fri	24				0.75	0.000			
Sat	25				0.71	0.000			
Sun	26				0.80	0.040			
Mon	27	1.79	0.12		0.36	0.060	142		
Tue	28	1.79	0.04		0.53	0.010	8		
Wed	29				0.44	0.040			
Thu	30				0.55	0.040			
		30 day arithmetic mean (1)		TMRA Eff	Monthly		30 Day Geo. Mean (1)		
		Influent(mg/l)	Effluent(mg/l)		Minimum(1)	Maximum(1)			
		2.95	0.05		0.31	0.070	13		
		144.69	2.86	22.18					
		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	
Wed	01																			
Thu	02																			
Fri	03																			
Sat	04																			
Sun	05																			
Mon	06																			
Tue	07	13.3	10.1	15.3	17.3	<1.0	<1.0	2.5	<1.0	<5.0	<5.7	<0.020	<0.020	0.052	0.039	<0.020	<0.020	<0.020	<0.020	
Wed	08																			
Thu	09																			
Fri	10																			
Sat	11																			
Sun	12																			
Mon	13																			
Tue	14																			
Wed	15																			
Thu	16																			
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Fri	24																			
Sat	25																			
Sun	26																			
Mon	27																			
Tue	28																			
Wed	29																			
Thu	30																			
30 day arithmetic mean (1)		13.30 mg/l	10.10 mg/l	15.30 mg/l	17.30 mg/l	<1.0 ug/l	<1.0 ug/l	2.5 ug/l	<1.0 ug/l	<5.0 ug/l	<5.7 ug/l	<0.020 mg/l	<0.020 mg/l	0.052 mg/l	0.039 mg/l	<0.020 mg/l	<0.020 mg/l	<0.020 mg/l	<0.020 mg/l	
30 Day Aver. Quantity Loading (1)		659.3 lbs/day	500.7 lbs/day	758.5 lbs/day	857.6 lbs/day	<0.050 lbs/day	<0.050 lbs/day	0.124 lbs/day	<0.050 lbs/day	<0.248 lbs/day	<0.28 lbs/day	<0.99 lbs/day	<0.99 lbs/day	2.58 lbs/day	1.93 lbs/day	<0.99 lbs/day	<0.99 lbs/day	<0.99 lbs/day	<0.99 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

TRUCKED WASTE RECEIVED THIS MONTH		
1. Septage, holding tank waste and portable toilet waste		
	Total	Max day
Volume (gallons)	648,949	
2. All other wastes		
	Total	Max day
Volume (gallons)	1,346,690	
3. Number of Part 364 haulers currently approved to transport wastes to this POTW		
a. Septage, etc.	13	
b. All others	3	

Name and amount of chemicals used in treatment

Process during month:

a. Sodium Hypochlorite	2,098	gal.
b. Sulfur Dioxide	814	lbs.
c. Ferrous Chloride	2,605	gal.
d. Polymer (Pressing)		lbs.
e. Ferric Chloride	12,190	gal.
f. Polymer (Actiflo)		gal.

Amount of electrical power consumed:

a. Commercial	270,000	kw.hrs.
b. Stand-by		kw.hrs.

Amount of fuel consumed:

a. Natural gas	1,634,200	cubic ft.
b. Oil		gallons
c. Gasoline		gallons
d. Coal		tons
e. Digester Gas	1,902,000	cubic ft.
f. Propane		gallons

Sludge removal from plant:

a. Amount	132.9	Dry Tons
b. Solid Content	22.1	%
c. Volatile Solids Content	57.8	%
d. Disposal site :		
	Seneca Meadows Landfill, Waterloo, NY, 13165	
	Ontario Cty. Landfill, Stanley, NY, 14561	

Other Solid Wastes:

a. Screenings	11	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

Labor expended:

POSITION NAME	NUMBER FULL TIME	NUMBER PART TIME	TOTAL HOURS
Chief Operator	1	0	176.0
Assistant Chief Operator	0	0	
Operator	5	0	880.0
Operator-Trainee	3	0	528.0
Laboratory Director	1	0	176.0
Laboratory Technician	1	0	176.0
Administrative Assistant	1	0	176.0
Interns	0	0	
Maintenance Worker	1		176

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

Signature of Chief Operator or Designated Facility Representative *[Signature]* Chief Operator 28 MAY 2020

**Operator and Engineer's Report
SJC Meeting
17 June 2020**

1. Plant Maintenance & Operations

- a. Boiler Room Evaluation in progress.
- b. Actiflow Resolution approved, out for 30 day comment period.
- c. Behind the Meter Battery project started, then stopped, awaiting signatures from municipalities.
- d. Chemical Bulk Storage Tank Replacement – Should be advertised for bid soon.

2. Facilities Maintenance & Operations

- a. Grit removal and misc. improvements continuing.
- b. Flow monitoring/ I and I project continuing.
- c. Outfall pipe to be inspected pre and post pile driving for City Harbor.

3. Staff Management

4. Reporting

5. Business, Long Term Development

Equipment	Usage(ft ²) May	Usage(ft ²) April	Usage(ft ²) March	Usage(ft ²) February	Usage(ft ²) January	Usage(ft ²) December	Usage(ft ²) November	Usage(ft ²) October
Micro-turbines	2,114,000	1,902,000	3,179,000	2,948,000	2,311,000	3,118,000	3,248,000	3,322,000
Boilers	0	341,040	191,000	299,000	29,000	75,000	595,000	77,000
Waste Flare	0	0	9,000	66,000	0	0	142,000	9,000
Total Biogas Produced	2,114,000	2,243,000	3,379,000	3,313,000	2,340,000	3,193,000	3,985,000	3,408,000