

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, April 13, 2022 1:00pm

Due to amendments to Chapter 1 of the Laws of 2022 signed by Governor Hochul on January 14, 2022,
the meeting will be held via Zoom

<https://us02web.zoom.us/j/84315740670?pwd=dnJlWkdPcWdSUks0ZXZsaHFkS1hmUT09>

Meeting ID: 843 1574 0670 Passcode: SJCMtg

One tap mobile: +19292056099,,84315740670#,,,,*592036# 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) Long term Planning - *CJ Kilgore Chief Operator*
 - b) Plant to Plant Agreement update – *Bill Goodman, Town of Ithaca*
- 6) Adjournment

Upcoming Meeting Dates: May 11, June 8

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, 2021(Not Final)
 4/8/2022

Revenues:							
J8150							
Account #	Description		Budget	Actual	Excess or (Deficiency)	% Rec'd	
2373	Septage Service Other		\$ 495,000	\$ 733,817	\$ 238,817	148.25%	
2374	Sewer Service Other Govt's		\$ 3,225,999	\$ 3,225,999	\$ -	100.00%	
2392	Debt Service Other Govt's		\$ 1,153,595	\$ 1,149,387	\$ (4,208)	99.64%	
2401	Interest & Earnings		\$ 1,800	\$ -	\$ (1,800)	0.00%	
2665	Sale of Equipment		\$ 1,500	\$ 972	\$ (528)	64.80%	
2680	Insurance Recoveries		\$ -	\$ -	\$ -		
2701	Refund of Prior Year Expense		\$ -	\$ 31,191	\$ 31,191		
2705	Gifts and Donations		\$ -	\$ 2,500	\$ 2,500		
2770	Unclassified Revenue		\$ 1,000	\$ 2,160	\$ 1,160	216.00%	
Total Revenues as of 12/31/21			\$ 4,878,894	\$ 5,146,026	\$ 267,132	105.48%	

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Approved Budget and Actual Activity
As of
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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	\$ 814,707	\$ 19,068	97.71%		
5115	Hourly F/T	\$ 21,110	\$ 13,531	\$ 7,579	64.10%		
5120	Hourly P/T	\$ 7,500	\$ 14,023	\$ (6,523)	186.97%		
5125	Overtime	\$ 22,000	\$ 17,772	\$ 4,228	80.78%		
5210	Office Equipment	\$ -	\$ -	\$ -	0.00%		
5215	Motor Vehicles	\$ -	\$ -	\$ -	0.00%		
5225	Other Equipment	\$ -	\$ -	\$ -	0.00%		
5405	Telephone	\$ 6,200	\$ 3,989	\$ 2,211	64.34%		
5410	Utilities	\$ 280,000	\$ 321,161	\$ (41,161)	114.70%		
5415	Clothing	\$ 7,500	\$ 10,312	\$ (2,812)	137.49%		
5420	Gas & Oil	\$ 10,000	\$ 6,672	\$ 3,328	66.72%		
5425	Office Expense	\$ 2,000	\$ 2,197	\$ (197)	109.85%		
5430	Fees	\$ 115,000	\$ 60,675	\$ 54,325	52.76%		
5435	Contracts	\$ 160,000	\$ 178,597	\$ (18,597)	111.62%		
5436	Overhead Charge City General Fund	\$ 194,210	\$ 194,210	\$ -	100.00%		
5440	Staff Development	\$ 20,000	\$ 14,969	\$ 5,031	74.85%		
5450	Advertising	\$ 200	\$ -	\$ 200	0.00%		
5455	Insurance	\$ 163,000	\$ 160,360	\$ 2,640	98.38%		
5475	Property Maintenance	\$ -	\$ -	\$ -	0.00%		
5476	Equipment Maintenance	\$ -	\$ -	\$ -	0.00%		
5477	Equipment Parts	\$ 135,000	\$ 324,743	\$ (189,743)	240.55%		
5479	Vehicle Maintenance	\$ 2,000	\$ 9	\$ 1,991	0.45%		
5480	Building Maintenance Supplies	\$ 18,000	\$ 6,006	\$ 11,994	33.37%		
5494	Safety Materials & Supplies	\$ 6,000	\$ 5,908	\$ 92	98.47%		
5495	Treatment Supplies	\$ 550,000	\$ 360,295	\$ 189,705	65.51%		
5496	Lab Supplies	\$ 84,000	\$ 84,368	\$ (368)	100.44%		
5499	Sludge Disposal Fees	\$ 450,000	\$ 434,980	\$ 15,020	96.66%		
5700	Prior Year Encumbrances	\$ -	\$ -	\$ -	0.00%		
5720	Prior Year Equipment	\$ -	\$ -	\$ -	0.00%		
	Sub-Totals	\$ 3,108,614	\$ 3,030,570	\$ 78,044	97.49%		
<i>Benefits:</i>							
9010	State Retirement	\$ 133,110	\$ 116,771	\$ 16,339	87.73%		
9030	Social Security	\$ 67,655	\$ 65,793	\$ 1,862	97.25%		
9040	Workers Compensation	\$ 25,800	\$ 13,297	\$ 12,503	51.54%		
9050	Unemployment Insurance	\$ -	\$ -	\$ -	0.00%		
9060	Health Insurance	\$ 384,420	\$ 423,622	\$ (39,202)	110.20%		
9070	Dental Insurance	\$ 3,500	\$ 3,852	\$ (352)	110.06%		
9080	Day Care Assistance	\$ 200	\$ -	\$ 200	0.00%		
9089	Employee Tuition	\$ 2,000	\$ -	\$ 2,000	0.00%		
	Sub-Totals	\$ 616,685	\$ 623,335	\$ (6,650)	101.08%		
<i>Debt Service</i>							
9710	Serial Bonds	\$ 573,138	\$ 573,138	\$ -	100.00%		
9711	Interest on Serial Bonds	\$ 438,395	\$ 434,187	\$ 4,208	99.04%		
9730	BANS	\$ 63,016	\$ 63,016	\$ -	0.00%		
9731	Interest on BANS	\$ 79,046	\$ 79,046	\$ -	100.00%		
	Sub-Totals	\$ 1,153,595	\$ 1,149,387	\$ 4,208	99.64%		
<i>Interfund Transfers</i>							
9951	Transfer to Capital Reserves	\$ -	\$ -	\$ -	0.00%		
	Sub-Totals	\$ -	\$ -	\$ -	0.00%		
Total All Expenditures as of 12/31/21		\$ 4,878,894	\$ 4,803,292	\$ 75,602	98.45%		

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	Surplus(deficit) as of 12/31/21		\$ -	\$ 342,734		\$ 342,734	
	*\$0 was appropriated from Fund Balance surplus for 2021						

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 Approved Budget and Actual Activity
 As of
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 4/8/2022

Revenues:							
J8150							
Account #	Description	Budget	Actual	Excess or (Deficiency)	% Rec'd		
2373	Septage Service Other	\$ 620,000	\$ 37,061	\$ (582,939)	5.98%		
2374	Sewer Service Other Govt's	\$ 3,251,769	\$ 812,942	\$ (2,438,827)	25.00%		
2392	Debt Service Other Govt's	\$ 1,358,002	\$ -	\$ (1,358,002)	0.00%		
2401	Interest & Earnings	\$ 1,000	\$ -	\$ (1,000)	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 3/31/22		\$ 5,233,271	\$ 850,003	\$ (4,383,268)	16.24%		

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 As of
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 4/8/2022

Expenditures:								
J8150							Available	%
Account #	Description		Budget	Actual		Balance	Used	
<i>Operations:</i>								
1920	Municipal Association Dues		\$ 1,119	\$ -		\$ 1,119	0.00%	
1990	Contingency Account		\$ 37,640	\$ -		\$ 37,640	0.00%	
5105	Administration Salaries		\$ -	\$ -		\$ -	0.00%	
5110	Staff Salaries		\$ 862,922	\$ 186,526		\$ 676,396	21.62%	
5115	Hourly F/T		\$ 22,094	\$ -		\$ 22,094	0.00%	
5120	Hourly P/T		\$ 15,000	\$ -		\$ 15,000	0.00%	
5125	Overtime		\$ 22,000	\$ 3,914		\$ 18,086	17.79%	
5210	Office Equipment		\$ -	\$ -		\$ -	0.00%	
5215	Motor Vehicles		\$ 35,000	\$ -		\$ 35,000	0.00%	
5225	Other Equipment		\$ -	\$ -		\$ -	0.00%	
5405	Telephone		\$ 6,200	\$ 999		\$ 5,201	16.11%	
5410	Utilities		\$ 305,000	\$ 66,212		\$ 238,788	21.71%	
5415	Clothing		\$ 7,500	\$ 1,999		\$ 5,501	26.65%	
5420	Gas & Oil		\$ 10,000	\$ -		\$ 10,000	0.00%	
5425	Office Expense		\$ 2,000	\$ -		\$ 2,000	0.00%	
5430	Fees		\$ 115,000	\$ 3,568		\$ 111,432	3.10%	
5435	Contracts		\$ 158,000	\$ 40,570		\$ 117,430	25.68%	
5436	Overhead Charge City General Fund		\$ 198,500	\$ -		\$ 198,500	0.00%	
5440	Staff Development		\$ 20,000	\$ 1,355		\$ 18,645	6.78%	
5450	Advertising		\$ 200	\$ -		\$ 200	0.00%	
5455	Insurance		\$ 186,000	\$ 181,785		\$ 4,215	97.73%	
5475	Property Maintenance		\$ -	\$ -		\$ -	0.00%	
5476	Equipment Maintenance		\$ -	\$ -		\$ -	0.00%	
5477	Equipment Parts		\$ 176,725	\$ 35,550		\$ 141,175	20.12%	
5479	Vehicle Maintenance		\$ 2,000	\$ -		\$ 2,000	0.00%	
5480	Building Maintenance Supplies		\$ 18,000	\$ -		\$ 18,000	0.00%	
5494	Safety Materials & Supplies		\$ 6,000	\$ 110		\$ 5,890	1.83%	
5495	Treatment Supplies		\$ 550,000	\$ 54,216		\$ 495,784	9.86%	
5496	Lab Supplies		\$ 84,000	\$ 11,108		\$ 72,892	13.22%	
5499	Sludge Disposal Fees		\$ 450,000	\$ 21,483		\$ 428,517	4.77%	
5700	Prior Year Encumbrances		\$ -	\$ -		\$ -	0.00%	
5720	Prior Year Equipment		\$ -	\$ -		\$ -	0.00%	
	Sub-Totals		\$ 3,290,900	\$ 609,395		\$ 2,681,505	18.52%	
<i>Benefits:</i>								
9010	State Retirement		\$ 86,275	\$ -		\$ 86,275	0.00%	
9030	Social Security		\$ 70,534	\$ 14,608		\$ 55,926	20.71%	
9040	Workers Compensation		\$ 28,000	\$ 5,523		\$ 22,477	19.73%	
9050	Unemployment Insurance		\$ -	\$ -		\$ -	0.00%	
9060	Health Insurance		\$ 393,360	\$ 140,713		\$ 252,647	35.77%	
9070	Dental Insurance		\$ 4,000	\$ 1,365		\$ 2,635	34.13%	
9080	Day Care Assistance		\$ 200	\$ -		\$ 200	0.00%	
9089	Employee Tuition		\$ 2,000	\$ -		\$ 2,000	0.00%	
	Sub-Totals		\$ 584,369	\$ 162,209		\$ 422,160	27.76%	
<i>Debt Service</i>								
9710	Serial Bonds		\$ 757,747	\$ 562,694		\$ 195,053	74.26%	
9711	Interest on Serial Bonds		\$ 591,133	\$ 292,800		\$ 298,333	49.53%	
9730	BANS		\$ 900	\$ -		\$ 900	0.00%	
9731	Interest on BANS		\$ 8,222	\$ 7,969		\$ 253	96.92%	
	Sub-Totals		\$ 1,358,002	\$ 863,463		\$ 494,539	63.58%	
<i>Interfund Transfers</i>								
9951	Transfer to Capital Reserves		\$ -	\$ -		\$ -	0.00%	
	Sub-Totals		\$ -	\$ -		\$ -	0.00%	
Total All Expenditures as of 3/31/22			\$ 5,233,271	\$ 1,635,067		\$ 3,598,204	31.24%	

IAWWTF
 Approved Budget and Actual Activity
 As of
 March 31, 2022
 4/8/2022

	Surplus(deficit) as of 3/31/22		\$ -	\$ (785,064)		\$ (785,064)	
	*\$0 was appropriated from Fund Balance surplus for 2022						

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		\$ 251,938.00						
	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	\$ (31,765.12)	\$ (16,765.12)	\$ 132,927	\$ 149,692.12	\$ 971.10	\$ 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, NYSEDA 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 NYSEDA Grant
422J	IAWWTF Various Improvements to Facility	Active	\$ 773,984.62	\$ 1,486,530.62	\$ 14,341,850	\$ 12,855,319.38	\$ 267,006.44	\$ 14,341,850.00	Authorized, capital reserve funding/Bonds/ARPA
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	\$ 2,607.32	\$ 102,607.32	\$ 457,000	\$ 354,392.68	\$ -	\$ 457,000.00	Authorized, funding from each entity
	Total Capital Projects		\$ 1,312,650.27	\$ 2,285,839.47	\$ 37,691,958.00	\$ 35,830,209.53	\$ 267,977.54	\$ 37,028,658.00	
	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						
12/31/2020	Restricted for Capital		\$ 251,938	Capital reserves					
	Nonspendable		\$ 28,255	Prepaid expenses					
	Assigned		\$ 121,093	Encumbrances, next year budget					
	Unassigned		\$ 1,079,309						
	Total Fund Balance		\$ 1,480,595						

City of Ithaca
IAWWTP
Summary of CP 414J
4/8/2022

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	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			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			1337	\$ 415.83	inv 34672 Flow meter work 3/15/20-4/11/20				
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	\$ 36,485.20		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			1402	\$ 480.57	inv 38212 flow meter work 1/18/21-2/15/21				
4/21/2021	MRB Group			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				
6/23/2021	MRB Group			1418	\$ 779.12	inv 39281 flow meter work 4/13/21-5/7/21				
10/20/2021	MRB Group			1434	\$ 525.39	inv 40651 flow meter work 8/4/21-8/27/21				
11/3/2021	MRB Group			1435	\$ 896.40	inv 40931 flow meter work 8/29/21-9/25/21				
12/8/2021	MRB Group			1438	\$ 2,024.37	inv 41189 flow meter work 9/25/21-10/25/21				
2/9/2022	MRB Group		ap21	1461	\$ 1,299.78	inv 41905 flow meter work 11/21/21-12/18/21				
3/9/2022	MRB Group			1468	\$ 971.10	inv 42246 & 42607 flow meter work 12/19/21-1/15/22, 1/16/22-2/12/22				
Total Expenditures to date							\$ 149,692.12			
Balance of Authorization							\$ (16,765.12)			
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							\$ (31,765.12)			
Contracts:										
					Amount	Expended	Balance			
McPherson Builders		\$ 59,808.00		\$ 59,808.00	\$ -					
MRB Group		\$ 24,900.00		\$ 45,272.70	\$ (20,372.70)	Design work				

IAWWTF
Summary of CP 422J
4/8/2022

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	0.571401	\$ 434,175.00	Reserve/Bonds	\$ 434,175	2/15/2018	BANS
			Town of Ithaca	\$ 177,491	0.408801	\$ -				\$ -
			Town of Dryden	\$ 8,596	0.019798			\$ -		\$ -
				\$ 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		\$ 11,541,850.00	\$ 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	ARPA	City of Ithaca	\$ 942,812	0.571401	\$ 1,650,000.00	Various sources			
			Town of Ithaca	\$ 674,521	0.408801					
			Town of Dryden	\$ 32,667	0.019798					
				\$ 1,650,000						
10/6/2021	Regular CC meeting	ARPA	City of Ithaca	\$ 657,111	ARPA	\$ 1,150,000.00				
			Town of Ithaca	\$ 470,121						
			Town of Dryden	\$ 22,768						
				\$ 1,150,000						
				\$ 492,889						
				\$ 1,599,923						
Total Authorization						\$ 14,341,850.00		\$ 11,541,850		
Expenditures:										
Date	Payee		PO	Voucher	Amount	Comment				
4/4/2019	GHD Consulting Services Inc			1318	\$ 1,173.92	Bonding cost				
4/30/2019	GHD Consulting Services Inc			1321	\$ 3,350.00	inv 71812 engineering services to 2/19/19				
12/16/2019	GHD Consulting Services Inc	\$ 37,783.68		1332	\$ 2,970.00	inv 72375 engineering services to 3/26/19				
1/21/2020	GHD Consulting Services Inc	\$ 39,810.00	ap19	1333	\$ 11,490.00	inv 75450 engineering services to 9/21/19				
3/10/2020	Premier Printing	BANS		1335	\$ 709.19	inv 76426 engineering services to 11/23/19				
	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				
	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 re				
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				

IAWWTF
 Summary of CP 422J
 4/8/2022

IAWWTF Design for Various Improvements to Plant 422J										
Authorizations:										
						Amount	Source		Allocation per SJS Budget:	
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			Town of Ithaca	\$ 177,491	0.408801	\$ -				\$ -
			Town of Dryden	\$ 8,596	0.019798			\$ -		\$ -
				\$ 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		\$ 11,541,850.00	\$ 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	ARPA	City of Ithaca	\$ 942,812	0.571401	\$ 1,650,000.00	Various sources			
			Town of Ithaca	\$ 674,521	0.408801					
			Town of Dryden	\$ 32,667	0.019798					
				\$ 1,650,000						
10/6/2021	Regular CC meeting	ARPA	City of Ithaca	\$ 657,111	ARPA	\$ 1,150,000.00				
			Town of Ithaca	\$ 470,121						
			Town of Dryden	\$ 22,768						
				\$ 1,150,000						
				\$ 492,889						
				\$ 1,599,923						
Total Authorization						\$ 14,341,850.00		\$ 11,541,850		
Expenditures:										
Date	Payee		PO	Voucher	Amount	Comment				
11/4/2020	Matco Electric Corp			1364	\$ 40,670.56	App 3 services 9/1/20-9/30/20				
	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 or				
	M.A. Bongiovanni, Inc			1366	\$ 1,229,319.38	App 7 general construction 10/1/2020-10/31/2020				
	Matco Electric Corp			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	\$ 5,018,917.94	\$ 564,678.27	1374	\$ 140,896.00	App 5 electrical services 11/1/20-11/30/20				
1/27/2021	GHD Consulting Services Inc			ap20	\$ 30,081.26	Inv 82330, 82333 engineering services and on-site rep thru 12/19/20				
	John W. Danforth Co	\$ 1,796,625.01		ap20	\$ 339,247.35	Inv PB107690 pay app 1 services thru 11/30/20				
	M.A. Bongiovanni, Inc.			ap20	\$ 575,130.91	App 9 general construction 11/30-12/31/20				
	Matco Electric Corporation	\$ 2,361,303.28		ap20	\$ 852,165.49	App 6 electrical services 12/1-12/31/2020				
3/10/2021	M.A. Bongiovanni, Inc	\$ 7,822,406.85		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				

IAWWTF
 Summary of CP 422J
 4/8/2022

<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	0.571401	\$ 434,175.00	Reserve/Bonds	\$ 434,175	2/15/2018	BANS
			Town of Ithaca	\$ 177,491	0.408801	\$ -				\$ -
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				\$ 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	
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			Town of Dryden	\$ 142,362						
				\$ 7,190,000						
1/8/2020	Regular CC meeting		City of Ithaca	\$ 2,238,559		\$ 11,541,850.00	\$ 3,917,675.00	Bonds	\$ 3,917,675.00	2/19/2021 BAN
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			Town of Dryden	\$ 77,570						
				\$ 3,917,675						
5/5/2021	Regular CC meeting	ARPA	City of Ithaca	\$ 942,812	0.571401	\$ 1,650,000.00	Various sources			
			Town of Ithaca	\$ 674,521	0.408801					
			Town of Dryden	\$ 32,667	0.019798					
				\$ 1,650,000						
10/6/2021	Regular CC meeting	ARPA	City of Ithaca	\$ 657,111	ARPA	\$ 1,150,000.00				
			Town of Ithaca	\$ 470,121						
			Town of Dryden	\$ 22,768						
				\$ 1,150,000						
				\$ 492,889						
				\$ 1,599,923						
Total Authorization						\$ 14,341,850.00		\$ 11,541,850		
<u>Expenditures:</u>										
<u>Date</u>	<u>Payee</u>				<u>PO</u>	<u>Voucher</u>	<u>Amount</u>	<u>Comment</u>		
	Balance of Authorization						\$ 1,486,530.62			
<u>Transfers from Capital Reserve/other funding sources:</u>										
12/30/2021	Town of Ithaca			18222			\$ 1,144,642.00	2021		
	City of Ithaca		ARPA				\$ 942,812.00	2021		
							\$ -			
							\$ -			
Total Transfers/other funding sources							\$ 2,087,454.00			
Cash Balance							\$ 773,984.62			
<u>Project Allocation:</u>										
<u>Allocation per SJS Budget:</u>	<u>Amount</u>	<u>Expended</u>	<u>Available</u>	<u>Status</u>						
<u>Contracts</u>										
GHD Consulting Service Inc	\$ 1,267,660	\$ 1,244,819	\$ 22,841	Prof Eng design services						
Matco Electric Corporation	\$ 2,043,600	\$ 1,941,420	\$ 102,180	Electrical contract						
John W. Danforth Co.	\$ 521,900	\$ 483,108	\$ 38,792	Grit Removal and Plant Modifications				5/5/2020		
M.A. Bongiovanni, Inc.	\$ 10,042,175	\$ 9,142,690	\$ 899,485	General Construction CO for digester repairs						

**Operator and Engineer's Report
SJC Meeting
13 April 2022**

1. Plant Maintenance & Operations

- a. Aeration Blowers return early May, install and recommissioning 2nd week of May.
- b. Microturbine Gas Skid Chiller expected on site towards the end of June.
- c. Old dual fuel boiler developed internal crack/leak. Remaining 3 boilers unreliable and/or beyond expected life span. Working to get entire new boiler system replacement underway, looking at HVAC as a whole, as AC units are old and unreliable. Issuing RFP for proposal.

2. Facilities Maintenance & Operations

3. Staff Management

4. Reporting

5. Business, Long Term Development

Equipment	Usage(ft²) February	Usage(ft²) January	Usage(ft²) December	Usage(ft²) November	Usage(ft²) October	Usage(ft²) September
Micro-turbines	0	0	0	1,330,000	1,909,000	2,088,000
Boilers	641,000	1,310,000	245,000	167,000	0	0
Waste Flare	831,000	72,000	11,000	126,000	0	0
Total Biogas Produced	1,472,000	1,382,000	256,000	1,623,000	1,909,000	2,088,000

WASTEWATER FACILITY OPERATION REPORT FOR THE MONTH OF January, 2022

SPDES PERMIT NO. NY 0026638			FACILITY NAME Ithaca Area Wastewater Treatment Facility				FACILITY OWNER Ithaca (C) Ithaca (T) Dryden (T)				FACILITY IAWWTF												
Day	Date	Daily Precip in/day	VOLUME OF SEWAGE TREATED			TEMPERATURE (F)		pH (s.u.)				SETTLABLE SOLIDS (ml/l)		B.O.D.5 (mg/l)		SUSPENDED SOLIDS (mg/l)							
			Inst.Max. MGD	Daily Average MGD	Inst.Min. MGD	Influent (2)	Effluent (2)	Influent Minimum	Influent Maximum	Effluent Minimum	Effluent Maximum	Influent Maximum	Effluent Maximum	Influent Type	Effluent Type	Influent Type	Effluent Type						
Sat	01	0.02	7.00	6.90	3.60	58	55	7.4	7.5	7.4	7.5	3.8	<0.10										
Sun	02	0.28	8.00	4.491	3.50	55	54	7.4	7.7	7.7	7.9	2.8	<0.10										
Mon	03	0.05	9.40	6.40	3.50	56	53	7.6	7.7	7.8	7.8	4.8	<0.10	228	20	304	6						
Tue	04	0.01	9.00	5.59	3.40	55	53	7.7	7.8	7.4	7.7	10.3	<0.10	177	19	165	6						
Wed	05	0.00	8.50	5.23	2.50	56	53	7.7	7.7	7.6	7.8	6.7	<0.10										
Thu	06	0.00	7.90	4.95	2.60	55	54	7.8	7.8	7.5	7.9	7.3	<0.10										
Fri	07	0.12	7.50	4.674	2.30	54	54	7.7	7.9	7.6	7.6	5.0	<0.10										
Sat	08		6.40	4.338	2.60	57	53	7.6	7.8	7.6	7.6	8.2	<0.10										
Sun	09	0.05	6.50	4.769	2.50	55	53	7.6	7.8	7.7	7.8	6.0	<0.10										
Mon	10	0.02	7.40	4.345	2.00	55	53	7.7	7.9	7.8	7.9	8.2	<0.10	158	9	159	3						
Tue	11	0.07	8.00	4.577	2.40	54	53	7.7	7.9	7.6	7.8	8.2	<0.10	152	9	144	4						
Wed	12		7.20	4.748	2.30	54	53	8.0	8.3	8.0	8.1	11.3	<0.10										
Thu	13		7.00	4.633	2.60	56	54	7.7	7.8	7.7	7.9	16.3	<0.10										
Fri	14		7.20	4.445	2.00	53	54	7.8	7.9	7.6	7.9	10.3	<0.10										
Sat	15		6.30	4.143	2.30	55	53	7.7	7.9	7.6	7.8	6.0	<0.10										
Sun	16	0.00	6.90	4.622	2.00	53	52	7.6	7.8	7.7	7.9	3.6	<0.10										
Mon	17	0.28	6.50	4.224	1.90	56	52	7.6	7.8	7.7	7.8	4.8	<0.10	173	6	124	5						
Tue	18	0.17	7.50	4.547	2.60	54	53	7.6	7.8	7.7	7.8	8.3	<0.10	206	7	161	4						
Wed	19	0.00	8.00	5.147	2.50	54	53	7.6	7.7	7.4	7.7	11.0	<0.10										
Thu	20		7.30	4.461	2.00	55	53	7.5	7.6	7.4	7.4	9.3	<0.10										
Fri	21	0.02	7.50	4.483	2.10	55	53	7.5	7.7	7.5	7.6	8.3	<0.10										
Sat	22	0.00	7.00	4.905	2.50	54	52	7.7	7.8	7.6	7.7	6.5	<0.10										
Sun	23	0.00	7.10	4.857	2.20	54	52	7.8	7.9	7.5	7.6	6.2	<0.10										
Mon	24	0.10	8.50	4.95	2.40	54	52	7.7	7.9	7.6	7.7	9.3	<0.10	193	2	175	4						
Tue	25	0.07	7.60	4.755	2.00	56	52	7.7	7.9	7.6	7.7	8.2	<0.10	240	5	143	3						
Wed	26	0.02	8.00	4.787	2.00	57	53	7.7	7.8	7.6	7.7	8.2	<0.10										
Thu	27	0.00	7.90	4.987	2.40	56	53	7.7	7.8	7.3	7.6	11.3	<0.10										
Fri	28		7.30	4.557	2.20	56	53	7.7	7.9	7.5	7.7	6.6	<0.10										
Sat	29		6.90	4.617	2.30	55	52	7.7	7.8	7.6	7.6	6.6	<0.10										
Sun	30	0.00	7.00	4.620	2.50	54	51	7.7	7.9	7.6	7.6	7.1	<0.10										
Mon	31	0.00	7.60	4.868	2.20	55	51	7.8	7.9	7.5	7.6	9.3	<0.10	236	6	165	4						
		Total Precip 1.28	Monthly 4.826			Monthly Average Influent 55 Effluent 53		Monthly Minimum 7.4 Maximum 8.3 Minimum 7.3 Maximum 8.1				Monthly Maximum 16.3	Monthly Maximum <0.10	30 day arithmetic mean (1) Inf.(mg/l) 196 Eff.(mg/l) 9		30 day arithmetic mean (1) Inf.(mg/l) 171 Eff(mg/l) 4							
		Monthly Total 149.615																30 Day Avg Quantity Loading (1)		8,102 lbs/day	403 lbs/day	7,249 lbs/day	182 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 Enter any other comments, observations, operating problems, equipment failure, etc.	
		Influent Type	Effluent Type	TMRA Eff	Pre-SO2	Post SO2	MF or MPN/100ml		
Sat	01				0.71	0.03			
Sun	02				0.66	0.08			
Mon	03	8.97	0.10		0.67	0.03	5		
Tue	04	4.17	0.13		0.53	0.03	6		
Wed	05				0.56	0.05			
Thu	06				0.95	0.07			
Fri	07				0.94	0.08			
Sat	08				1.14	0.07			
Sun	09				0.93	0.03			
Mon	10	3.23	0.11		1.02	0.04	20		
Tue	11	3.28	0.08		0.78	0.06	30		
Wed	12				0.81	0.04			
Thu	13				0.84	0.04			
Fri	14				0.82	0.08			
Sat	15				0.85	0.08			
Sun	16				0.97	0.04			
Mon	17	2.32	0.07		1.08	0.04	4		
Tue	18	3.59	0.06		0.86	0.04	4		
Wed	19				0.81	0.05			
Thu	20				0.58	0.04			
Fri	21				0.55	0.04			
Sat	22				0.74	0.05			
Sun	23				0.87	0.06			
Mon	24	4.11	0.07		0.82	0.09	2		
Tue	25	4.00	0.09		0.66	0.03	3		
Wed	26				0.62	0.07			
Thu	27				0.85	0.05			
Fri	28				0.76	0.04			
Sat	29				0.91	0.03			
Sun	30				0.94	0.08			
Mon	31	3.78	0.13		0.95	0.08	1		
		30 day arithmetic mean (1) Influent(mg/l) Effluent(mg/l)		TMRA Eff	Monthly Minimum(1) Maximum(1)		30 Day Geo. Mean (1)		
		4.16	0.09		0.53	0.090	5		
		179.44	3.88	21.32					
		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	
Sat	01																			
Sun	02																			
Mon	03																			
Tue	04																			
Wed	05																			
Thu	06																			
Fri	07																			
Sat	08																			
Sun	09																			
Mon	10																			
Tue	11																			
Wed	12	30.1	25.4	17.7	18.8	<1.0	<1.0	1.8	<1.0	<2.0	<11.4	<0.020	<0.020	0.092	<0.020	<0.020	<0.020	<0.020	<0.020	
Thu	13																			
Fri	14																			
Sat	15																			
Sun	16																			
Mon	17																			
Tue	18																			
Wed	19																			
Thu	20																			
Fri	21																			
Sat	22																			
Sun	23																			
Mon	24																			
Tue	25																			
Wed	26																			
Thu	27																			
Fri	28																			
Sat	29																			
Sun	30																			
Mon	31																			
30 day arithmetic mean (1)		30.10 mg/l	25.40 mg/l	17.70 mg/l	18.80 mg/l	<1.0 ug/l	<1.0 ug/l	1.8 ug/l	<1.0 ug/l	<2.0 ug/l	<11.4 ug/l	<0.020 mg/l	<0.020 mg/l	0.092 mg/l	<0.020 mg/l	<0.020 mg/l	<0.020 mg/l	<0.020 mg/l	<0.020 mg/l	
30 Day Aver. Quantity Loading (1)		1,191.9 lbs/day	1,005.8 lbs/day	700.9 lbs/day	744.4 lbs/day	<0.040 lbs/day	<0.040 lbs/day	0.071 lbs/day	<0.040 lbs/day	<0.079 lbs/day	<0.45 lbs/day	<0.79 lbs/day	<0.79 lbs/day	3.64 lbs/day	<0.79 lbs/day	<0.79 lbs/day	<0.79 lbs/day	<0.79 lbs/day	<0.79 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.

