

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, November 18, 2020 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
 - a) Meeting of Six update – *Bill Goodman*
 - b) City Harbor Status update – *Cynthia Brock*
 - c) SJC Chairperson for 2021 request for nomination
- 6) Adjournment

Upcoming Meeting Dates: December 9, January 13

Out of consideration for the health of other individuals, please refrain from using perfume/cologne and other scented personal care products at City of Ithaca meetings.
Thank you for your cooperation and understanding.

IAWWTF
 Approved Budget and Actual Activity
 As of October 31, 2020
 11/12/2020

Revenues:							
J8150							
Account #	Description	Budget	Actual	Excess or (Deficiency)	% Rec'd		
2373	Septage Service Other	\$ 495,000	\$ 404,364	\$ (90,636)	81.69%		
2374	Sewer Service Other Govt's	\$ 3,005,275	\$ 3,005,275	\$ -	100.00%		
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	\$ 4,326	\$ 2,826	288.40%		
2680	Insurance Recoveries	\$ -	\$ -	\$ -			
2701	Refund of Prior Year Expense	\$ -	\$ -	\$ -			
2705	Gifts and Donations	\$ -	\$ -	\$ -			
2770	Unclassified Revenue	\$ 1,000	\$ 1,080	\$ 80	108.00%		
	Total Revenues as of 10/31/20	\$ 4,651,861	\$ 3,415,045	\$ (1,236,816)	73.41%		

IAWWTF
Approved Budget and Actual Activity
As of October 31, 2020
11/12/2020

Expenditures:						
J8150						
Account #	Description	Budget	Actual	Available Balance	%	
<u>Operations:</u>						
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	\$ 632,830	\$ 261,235	70.78%	
5115	Hourly F/T	\$ 40,516	\$ 30,848	\$ 9,668	76.14%	
5120	Hourly P/T	\$ 25,000	\$ 12,614	\$ 12,386	50.46%	
5125	Overtime	\$ 22,000	\$ 10,754	\$ 11,246	48.88%	
5210	Office Equipment	\$ -	\$ -	\$ -	0.00%	
5215	Motor Vehicles	\$ -	\$ -	\$ -	0.00%	
5225	Other Equipment	\$ 60,000	\$ -	\$ 60,000	0.00%	
5405	Telephone	\$ 6,200	\$ 3,498	\$ 2,702	56.42%	
5410	Utilities	\$ 280,000	\$ 328,802	\$ (48,802)	117.43%	
5415	Clothing	\$ 7,200	\$ 6,608	\$ 592	91.78%	
5420	Gas & Oil	\$ 10,000	\$ 775	\$ 9,225	7.75%	
5425	Office Expense	\$ 2,000	\$ 1,684	\$ 316	84.20%	
5430	Fees	\$ 115,000	\$ 34,613	\$ 80,387	30.10%	
5435	Contracts	\$ 170,000	\$ 135,036	\$ 34,964	79.43%	
5436	Overhead Charge City General Fund	\$ 194,424	\$ 97,212	\$ 97,212	50.00%	
5440	Staff Development	\$ 18,000	\$ 11,784	\$ 6,216	65.47%	
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	\$ 160,805	\$ (55,805)	153.15%	
5479	Vehicle Maintenance	\$ 2,000	\$ -	\$ 2,000	0.00%	
5480	Building Maintenance Supplies	\$ 22,000	\$ 7,310	\$ 14,690	33.23%	
5494	Safety Materials & Supplies	\$ 6,000	\$ 2,620	\$ 3,380	43.67%	
5495	Treatment Supplies	\$ 550,000	\$ 327,782	\$ 222,218	59.60%	
5496	Lab Supplies	\$ 84,000	\$ 56,778	\$ 27,222	67.59%	
5499	Sludge Disposal Fees	\$ 375,000	\$ 309,565	\$ 65,435	82.55%	
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	\$ 2,358,624	\$ 832,355	73.92%	
<u>Benefits:</u>						
9010	State Retirement	\$ 118,320	\$ -	\$ 118,320	0.00%	
9030	Social Security	\$ 75,091	\$ 52,591	\$ 22,500	70.04%	
9040	Workers Compensation	\$ 23,000	\$ 12,326	\$ 10,674	53.59%	
9050	Unemployment Insurance	\$ -	\$ -	\$ -	0.00%	
9060	Health Insurance	\$ 381,440	\$ 383,182	\$ (1,742)	100.46%	
9070	Dental Insurance	\$ 3,200	\$ 3,190	\$ 10	99.69%	
9080	Day Care Assistance	\$ 200	\$ -	\$ 200	0.00%	
9089	Employee Tuition	\$ 1,000	\$ 2,667	\$ (1,667)	266.70%	
	Sub-Totals	\$ 602,251	\$ 453,956	\$ 148,295	75.38%	
<u>Debt Service</u>						
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%	
<u>Interfund Transfers</u>						
9951	Transfer to Capital Reserves	\$ -	\$ -	\$ -	0.00%	
	Sub-Totals	\$ -	\$ -	\$ -	0.00%	

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Total All Expenditures as of 10/31/20	\$ 4,939,116	\$ 3,955,165	\$ 983,951	80.08%
Surplus(deficit) as of 10/31/20	\$ (287,255)	\$ (540,120)	\$ (252,865)	
*\$250,000 was appropriated from Fund Balance surplus for 2020				

IAWWTP Joint Activity Capital Projects/Reserve and Fund Balance Summary 2020 as of 10/31/20

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	\$ (34,388.13)	\$ (4,388.13)	\$ 132,927	\$ 137,315.13	\$ 2,463.41	\$ 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	\$ 4,098,572.11	\$ 8,016,247.11	\$ 11,541,850	\$ 3,525,602.89	\$ 1,215,863.60	\$ 7,624,175.00	Authorized, capital reserve funding/Bonds
423J	IAWWTF Boiler Room Evaluation	Active	\$ (5,357.60)	\$ 13,142.40	\$ 18,500	\$ 5,357.60	\$ 2,042.40	\$ 18,500.00	Authorized, capital reserve funding
424J	IAWWTF Actflow System Upgrade	Active	\$ 9,022.47	\$ 9,022.47	\$ 102,685	\$ 93,662.53	\$ 25,000.00	\$ 102,385.00	Authorized, funding from each entity
	Total Capital Projects		\$ 4,653,212.33	\$ 8,746,530.53	\$ 34,434,958.00	\$ 26,112,518.47	\$ 1,245,369.41	\$ 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	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				
8/6/2019	MRB Group		1295	\$ 1,257.34	inv 27373 Flow meter work 6/10/18-7/7/18				
9/10/2018	MRB Group		1300	\$ 457.34	inv 27687 Flow meter work 7/8/18-8/4/18				
9/25/2018	MRB Group		1301	\$ 1,120.00	inv 28014 Flow meter work 8/5/18-9/1/18				
10/23/2018	MRB Group		1303	\$ 480.00	inv 28236 Flow meter work 9/2/18-9/29/18				
12/31/2018	MRB Group		1306	\$ 1,188.67	inv 28812 Flow meter work 10/28/18-11/24/18				
3/14/2019	MRB Group	\$ 17,887.59	1320	\$ 1,120.00	inv 29641 Flow meter work 1/20/19-2/16/19				
4/15/2019	MRB Group	ap18	1322	\$ 708.67	inv 29095 Flow meter work 12/25/18-12/22/18				
	MRB Group		1322	\$ 320.00	inv 29957 Flow meter work 2/17/19-3/16/19				
5/20/2019	MRB Group		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 1-200302, 1200303, 1200304, 1200305, 1200307, 1200308 5 flow meters				
	MRB Group	\$ 25,745.83	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				
Total Expenditures to date							\$ 137,315.13		
Balance of Authorization							\$ (4,388.13)		
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							\$ (34,388.13)		
Contracts:									
		Amount	Expended	Balance					
McPherson Builders		\$ 59,808.00	\$ 59,808.00	\$ -					
MRB Group		\$ 24,900.00	\$ 32,895.71	\$ (7,995.71)	Design work				

IAWWTF
Summary of CP 422J
11/12/2020

IAWWTF Design for Various Improvements to Plant 422J										
Authorizations:					Amount	Source	Allocation per SJS Budget:			
12/6/2017	Regular CC meeting	City of Ithaca	\$ 248,088		\$ 434,175.00	Reserve/Bonds	\$ 434,175	2/15/2018	BANS	\$ -
		Town of Ithaca	\$ 177,491		\$ -					\$ -
		Town of Dryden	\$ 8,596				\$ -			\$ -
			\$ 434,175				\$ -			\$ -
12/5/2018	Regular CC meeting	City of Ithaca	\$ 4,108,366		\$ 7,190,000.00	Bonds	\$ 7,190,000	2/19/2019		
		Town of Ithaca	\$ 2,939,272							
		Town of Dryden	\$ 142,362							
			\$ 7,190,000							
1/8/2020	Regular CC meeting	City of Ithaca	\$ 2,238,559		\$ 3,917,675.00	Bonds				
		Town of Ithaca	\$ 1,601,546							
		Town of Dryden	\$ 77,570							
			\$ 3,917,675							
					\$ -					
Total Authorization					\$ 11,541,850.00		\$ 7,624,175			
Expenditures:										
Date	Payee			PO	Voucher	Amount	Comment			
5/8/2018	GHD Consulting Services Inc				1290	\$ 41,962.00	inv 66144, 66722 engineering services			
	Fiscal Advisors				1284	\$ 220.19	Bonding cost			
	Premier Printing				1285	\$ 69.44	Bonding cost			
	Orrick				1286	\$ 160.02	Bonding cost			
6/13/2018	GHD Consulting Services Inc				1292	\$ 24,198.00	inv 67191 engineering services to 5/19/18			
7/9/2018	GHD Consulting Services Inc				1294	\$ 49,620.00	inv 67712 engineering services to 6/23/18			
8/21/2018	GHD Consulting Services Inc				1296	\$ 70,295.00	inv 68181 engineering services to 7/21/18			
10/15/2018	GHD Consulting Services Inc				1302	\$ 82,700.00	inv 945516 engineering services to 8/18/18			
10/23/2018	GHD Consulting Services Inc				1304	\$ 82,700.00	inv 69129 engineering services to 9/29/18			
11/14/2018	GHD Consulting Services Inc				1305	\$ 20,675.00	inv 69625 engineering services to 10/20/18			
12/13/2018	GHD Consulting Services Inc				1307	\$ 22,000.00	inv 70180 engineering services to 11/17/18			
12/31/2018	GHD Consulting Services Inc		\$ 405,599.65		1308	\$ 11,000.00	inv 70617 engineering services to 12/15/18			
3/15/2019	GHD Consulting Services Inc				1319	\$ 5,000.00	inv 71222 engineering services to 1/19/19			
	SourceMedia	Bonds			1309	\$ 29.03	Bonding cost			
	Moody's				1311	\$ 611.24	Bonding cost			
	Premier Printing				1316	\$ 86.13	Bonding cost			
	Fiscal Advisors				1313	\$ 527.89	Bonding cost			
	Orrick				1314	\$ 407.03	Bonding cost			
	Orrick	BANS			1315	\$ 2,789.75	Bonding cost			
	Fiscal Advisors				1317	\$ 3,838.69	Bonding cost			
	Premier Printing		\$ 7,802.36		1318	\$ 1,173.92	Bonding cost			
4/4/2019	GHD Consulting Services Inc				1321	\$ 3,350.00	inv 71812 engineering services to 2/19/19			
4/30/2019	GHD Consulting Services Inc				1323	\$ 17,000.00	inv 72375 engineering services to 3/26/19			
12/16/2019	GHD Consulting Services Inc				1332	\$ 2,970.00	inv 75450 engineering services to 9/21/19			
1/21/2020	GHD Consulting Services Inc		ap19		1333	\$ 11,490.00	inv 76426 engineering services to 11/23/19			
3/10/2020	Premier Printing	BANS			1335	\$ 709.19	Bonding cost			
	Orrick				1334	\$ 1,653.88	Bonding cost			
	Fiscal Advisors				1336	\$ 2,778.52	Bonding cost			
6/15/2020	GHD Consulting Services Inc				1340	\$ 19,373.75	inv 78767 engineering services to 4/18/20			
	M.A. Bongiovanni, Inc.				1341	\$ 353,637.50	App 1 General Construction 3/9/20-4/25/20			
6/24/2020	GHD Consulting Services Inc				1343	\$ 22,574.75	inv 79199 engineering services to 5/23/20			

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Summary of CP 422J
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IAWWTF Design for Various Improvements to Plant 422J										
				Amount		Source		Allocation per SJS Budget:		
12/6/2017	Regular CC meeting	City of Ithaca	\$ 248,088		\$ 434,175.00	Reserve/Bonds	\$ 434,175	2/15/2018	BANS	\$ -
		Town of Ithaca	\$ 177,491		\$ -					\$ -
		Town of Dryden	\$ 8,596				\$ -			\$ -
			\$ 434,175				\$ -			\$ -
12/5/2018	Regular CC meeting	City of Ithaca	\$ 4,108,366		\$ 7,190,000.00	Bonds	\$ 7,190,000	2/19/2019		
		Town of Ithaca	\$ 2,939,272							
		Town of Dryden	\$ 142,362							
			\$ 7,190,000							
1/8/2020	Regular CC meeting	City of Ithaca	\$ 2,238,559		\$ 3,917,675.00	Bonds				
		Town of Ithaca	\$ 1,601,546							
		Town of Dryden	\$ 77,570							
			\$ 3,917,675							
					\$ -					
Total Authorization					\$ 11,541,850.00		\$ 7,624,175			
Expenditures:										
Date	Payee			PO	Voucher	Amount	Comment			
8/19/2020	M.A. Bongiovanni, Inc.		\$ 762,761.00		1342	\$ 367,175.00	App 2 General Construction 4/25/20-5/31/20			
8/19/2020	M.A. Bongiovanni, Inc.				1348	\$ 311,281.56	App 3 General Construction 6/1/20-6/30/20			
8/19/2020	GHD Consulting Services Inc		\$ 409,434.50		1349	\$ 98,152.94	inv 79682,79683, 80125, 80126 engineering services to 7/25/20			
9/9/2020	GHD Consulting Services Inc				1357	\$ 143,190.24	inv 78481, 78766, 79198, 80472,80473 engineering services thru 8/22/20, and onsite			
9/1/2020	M.A. Bongiovanni, Inc.				1354	\$ 501,639.63	App 4 & 5 General Construction 7/1/20 thru 9/1/20			
9/1/2020	Matco Electric		\$ 677,528.87		1356	\$ 32,699.00	App 1 for electrical services 7/1/20-7/31/20			
10/14/2020	GHD Consulting Services Inc				1361	\$ 39,287.54	inv 80773, 80774 engineering services through 9/19/2020			
	Matco Electric				1360	\$ 19,983.25	App 2 for electrical services 8/1/20-8/31/20			
10/21/2020	M.A. Bongiovanni, Inc				1363	\$ 1,115,922.25	App 6 general construction 9/1/20 thru 9/30/20			
	Matco Electric Corp		\$ 1,215,863.60		1364	\$ 40,670.56	App #3 services 9/1/20-9/30/20			
	Expended to date					\$ 3,525,602.89				
	Balance of Authorization					\$ 8,016,247.11				
Transfers from Capital Reserve/other funding sources:										
						\$ -				
						\$ -				
Total Transfers/other funding sources						\$ -				
Cash Balance						\$ 4,098,572.11				
Project Allocation:										
Allocation per SJS Budget:		Amount	Expended	Available	Status					

IAWWTF
 Summary of CP 422J
 11/12/2020

<u>IAWWTF Design for Various Improvements to Plant 422J</u>												
Authorizations:												
Date	Payee	City of Ithaca	Town of Ithaca	Town of Dryden	Amount	Source	Allocation per SJS Budget:					
12/6/2017	Regular CC meeting				\$ 434,175.00	Reserve/Bonds	2/15/2018 BANS	\$ 434,175				\$ -
					\$ 177,491							\$ -
					\$ 8,596							\$ -
					\$ 434,175							\$ -
12/5/2018	Regular CC meeting				\$ 7,190,000.00	Bonds	2/19/2019	\$ 7,190,000				
					\$ 4,108,366							
					\$ 2,939,272							
					\$ 142,362							
					\$ 7,190,000							
1/8/2020	Regular CC meeting				\$ 3,917,675.00	Bonds						
					\$ 2,238,559							
					\$ 1,601,546							
					\$ 77,570							
					\$ 3,917,675							
					\$ -							
Total Authorization					\$ 11,541,850.00			\$ 7,624,175				
Expenditures:												
Date	Payee				PQ	Voucher	Amount	Comment				
Contracts												
	GHD Consulting Service Inc	\$ 654,060	\$ 767,539	\$ (113,479)				Prof Eng design services				
	Matco Electric Corporation	\$ 2,043,600	\$ 93,352.81	\$ 1,950,247.2				Electrical contract				
	John W. Danforth Co.	\$ 521,900	\$ -	\$ 521,900.0				Grit Removal and Plant Modifications	5/5/2020			
	M.A. Bongiovanni, Inc.	\$ 7,417,175	\$ 2,649,655.94	\$ 4,767,519.1				General Construction				
Totals		\$ 10,636,735	\$ 3,510,548	\$ 7,126,187								

IAWWTF
 Summary of CP 423J
 11/12/2020

IAWWTF Boiler Room Evaluation for Plant 423J									
<u>Authorizations:</u>						<u>Amount</u>	<u>Source</u>		<u>Allocation per SJS Budget:</u>
5/6/2020	Regular CC meeting	City of Ithaca	\$ -			\$ 18,500.00	Cap Reserve	\$ -	2/15/2018 BANS
		Town of Ithaca	\$ -			\$ -			\$ -
		Town of Dryden	\$ -					\$ -	\$ -
			\$ -					\$ -	\$ -
						\$ -			
Total Authorization						\$ 18,500.00		\$ -	
<u>Expenditures:</u>									
<u>Date</u>	<u>Payee</u>			<u>PO</u>	<u>Voucher</u>	<u>Amount</u>	<u>Comment</u>		
8/19/2020	MRB Group				1350	\$ 2,370.04	Inv 35699, 35598 project manager labor 5/10/20-7/4/20		
9/9/2020	MRB Group				1355	\$ 945.16	Inv 36069 project manager labor 7/6/20-8/4/20		
10/15/2020	MRB Group					\$ 2,042.40	inv 36471, 36770 boiler room design 8/2/20-9/26/20		
	Expended to date					\$ 5,357.60			
	Balance of Authorization					\$ 13,142.40			
<u>Transfers from Capital Reserve/other funding sources:</u>									
						\$ -			
						\$ -			
Total Transfers/other funding sources						\$ -			
Cash Balance						\$ (5,357.60)			
<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>									
MRB Group		\$ 18,500	\$ 5,357.60	\$ 13,142.4	Design				
Totals		\$ 18,500	\$ 5,358	\$ 13,142					

IAWWTF
 Summary of CP 424J
 11/12/2020

IAWWTF Actiflow System Improvements to Plant 424J										
Authorizations:					Amount	Source	Allocation per SJS Budget:			
5/6/2020	Regular CC meeting	City of Ithaca	\$ 58,674		\$ 102,685.00	Bonds	\$ 102,685	7/24/2020	BANS	\$ -
		Town of Ithaca	\$ 41,978		\$ -					\$ -
		Town of Dryden	\$ 2,033				\$ -			\$ -
			\$ 102,685				\$ -			\$ -
					\$ -					
Total Authorization					\$ 102,685.00		\$ 102,685			
Expenditures:										
Date	Payee			PO	Voucher	Amount	Comment			
8/19/2020	Koester Associates, Inc.				1351	\$ 68,350.00	inv 12529 Actiflow and Ferric pumps delivered			
8/19/2020	Premier Printing, Inc.				1344	\$ 63.94	Inv 2498 Printing services of OS related Bans 2020 dated 7/24/20			
8/19/2020	Fiscal Advisor & Marketing, Inc.				1345	\$ 132.77	Inv 32268 Professional Services related to Bans 2020 dated 7/24/20			
8/19/2020	Orrick, Herington & Sutcliffe LLP				1346	\$ 115.82	Bonding Costs			
10/14/2020	Koester Associates, Inc.				1358	\$ 25,000.00	inv 12667 Actiflow pumps and installation			
	Expended to date					\$ 93,662.53				
	Balance of Authorization					\$ 9,022.47				
Transfers from Capital Reserve/other funding sources:										
						\$ -				
						\$ -				
Total Transfers/other funding sources						\$ -				
Cash Balance						\$ 9,022.47				
Project Allocation:										
Allocation per SJS Budget:	Amount	Expended	Available	Status						
Contracts	\$ -									
Totals	\$ -	\$ -	\$ -							

**Operator and Engineer's Report
SJC Meeting
18 NOVEMBER, 2020**

1. Plant Maintenance & Operations

- a. Chemical Bulk Storage Tank Capital Project established for \$450,000, out for advertisement.
- b. Awaiting final NYSEG approval for the Behind the Meter Battery to go online.

2. Facilities Maintenance & Operations

- a. Grit removal and misc. improvements continuing.
- b. Flow monitoring/ I and I project continuing.
- c. Boiler Room Eval. near completion.

3. Staff Management

4. Reporting

5. Business, Long Term Development

Equipment	Usage(ft²) October	Usage(ft²) September	Usage(ft²) August	Usage(ft²) July	Usage(ft²) June	Usage(ft²) May	Usage(ft²) April	Usage(ft²) March
Micro-turbines	2,928,000	2,609,000	2,073,000	2,158,000	2,033,000	2,114,000	1,902,000	3,179,000
Boilers	0	13,000	12,000	0	108,000	0	341,040	191,000
Waste Flare	0	7,000	28,000	0	20,000	0	0	9,000
Total Biogas Produced	2,928,000	2,629,000	2,113,000	2,158,000	2,161,000	2,114,000	2,243,000	3,379,000

DIVISION OF WATER

WASTEWATER FACILITY OPERATION REPORT FOR THE MONTH OF September, 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
Tue	01	0.00	6.70	4.94	2.10	72	74	7.4	7.7	7.4	7.5	7.5	<0.10	373	58	144	3
Wed	02	0.00	6.60	4.902	2.50	73	75	7.5	8.0	7.3	7.6	10.7	<0.10				
Thu	03	0.00	6.60	4.68	2.50	74	75	7.5	7.6	7.4	7.6	12.8	<0.10				
Fri	04	0.00	6.90	0.00	2.20	73	75	7.5	7.6	7.5	7.6	11.8	<0.10				
Sat	05	0.00	6.30	8.86	2.40	73	74	7.5	7.5	7.5	7.6	8.0	<0.10				
Sun	06	0.25	6.60	4.45	1.90	72	74	7.6	7.7	7.6	7.8	11.0	<0.10				
Mon	07	0.00	5.60	4.409	1.60	73	74	7.6	7.6	7.5	7.7	11.7	<0.10	293	25	174	2
Tue	08	0.00	6.90	4.494	2.50	73	74	7.5	8.2	7.2	7.3	12.3	<0.10	393	40	199	2
Wed	09	0.00	6.80	4.580	2.40	74	75	7.5	7.6	7.5	7.6	11.5	<0.10				
Thu	10	0.00	7.00	4.774	2.00	73	75	7.4	7.5	7.5	7.6	9.7	<0.10	164	6		
Fri	11		6.90	4.289	1.80	70	74	7.5	7.6	7.4	7.5	12.0	<0.10				
Sat	12	0.00	6.10	4.251	2.00	71	73	7.4	7.5	7.4	7.6	11.7	<0.10				
Sun	13	0.00	5.50	4.343	2.00	71	73	7.5	7.6	7.4	7.8	9.0	<0.10				
Mon	14	0.10	6.20	4.268	1.90	71	73	7.4	7.6	7.2	7.3	11.8	<0.10	348	17	447	2
Tue	15	0.00	10.40	4.544	1.50	71	72	7.7	7.8	7.4	7.6	13.3	<0.10	531	28	189	3
Wed	16	0.00	5.70	4.118	1.90	71	73	7.5	7.6	7.2	7.3	10.8	<0.10				
Thu	17	0.00	6.00	4.161	2.00	71	72	7.4	7.6	7.3	7.5	11.2	<0.10	188	13		
Fri	18	0.03	6.60	4.114	1.20	71	72	7.4	7.5	7.2	7.4	10.8	<0.10	270	10		
Sat	19	0.00	6.80	3.817	1.20	70	71	7.4	7.5	7.3	7.4	12.5	<0.10				
Sun	20	0.00	7.30	4.029	1.20	70	71	7.2	7.6	7.2	7.7	10.7	<0.10				
Mon	21	0.00	7.10	4.193	1.10	70	71	7.4	7.5	7.0	7.2	11.2	<0.10	370	31	371	3
Tue	22	0.00	8.80	4.253	1.40	71	71	7.4	7.5	7.1	7.4	14.3	<0.10	338	41	214	3
Wed	23	0.00	8.10	4.180	1.50	71	71	7.4	7.6	7.3	7.4	12.2	<0.10				
Thu	24	0.00	7.30	4.12	1.50	71	72	7.4	7.6	7.2	7.5	12.8	0.10				
Fri	25	0.00	6.90	4.072	1.40	72	72	7.5	7.6	7.3	7.5	9.5	<0.10	147	6		
Sat	26	0.00	6.70	4.079	1.20	71	72	7.4	7.5	7.3	7.6	11.8	<0.10	268	6		
Sun	27	0.00	7.00	4.221	1.50	71	72	7.5	7.6	7.4	7.7	9.3	<0.10				
Mon	28	0.00	7.80	4.812	1.60	71	73	7.4	7.6	7.3	7.3	12.2	<0.10	225	42	200	3
Tue	29	0.00	9.20	5.599	2.10	69	73	7.5	7.5	7.3	7.5	8.3	<0.10	68	41	37	3
Wed	30	1.44	9.20	5.221	1.80	71	70	7.5	7.6	7.3	7.3	18.0	<0.10	193	8		
Total Precip 1.82			Monthly 4.426			Monthly Average Influent: 72, Effluent: 73		Monthly Minimum: 7.2, Maximum: 8.2, Minimum: 7.0, Maximum: 7.8				Monthly Maximum: 18.0, Maximum: 0.10		30 day arithmetic mean (1) Inf.(mg/l): 278, Eff.(mg/l): 25		30 day arithmetic mean (1) Inf.(mg/l): 219, Eff.(mg/l): 3	
			Monthly Total 132.786											91 %Rem 10,357 lbs/day, 960 lbs/day		99 %Rem 8,132 lbs/day, 103 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					(807) 273-8381		CJ Kilgore		4 - A
Day	Date	TOTAL PHOSPHORUS(mg/l)		PHOS TMRA Eff	CHLORINE RESIDUAL		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			
Tue	01	8.28	0.98		0.44	0.030	26		
Wed	02				0.54	0.060			
Thu	03				0.45	0.070			
Fri	04				0.62	0.050			
Sat	05				0.84	0.080			
Sun	06				0.68	0.090			
Mon	07	5.71	2.37		0.69	0.080	26		
Tue	08	5.24	2.53		0.76	0.060	55		
Wed	09				0.81	0.080			
Thu	10				0.60	0.100			
Fri	11				0.36	0.040			
Sat	12				0.46	0.050			
Sun	13				0.63	0.080			
Mon	14	9.77	2.50		0.29	0.050	42		
Tue	15	5.04	2.55		0.42	0.060	41		
Wed	16				0.38	0.060			
Thu	17				0.74	0.040			
Fri	18				0.42	0.050			
Sat	19				0.55	0.030			
Sun	20				0.31	0.030			
Mon	21	8.12	0.58		0.59	0.030	57		
Tue	22	4.96	0.83		0.31	0.050	44		
Wed	23				0.43	0.060			
Thu	24				0.41	0.010			
Fri	25				0.54	0.060			
Sat	26				0.44	0.030			
Sun	27				0.33	0.060			
Mon	28	5.17	0.21		0.38	0.050	87		
Tue	29	1.18	0.22		0.28	0.030	102		
Wed	30				0.23	0.040			
		30 day arithmetic mean (1) Influent(mg/l) Effluent(mg/l)		TMRA Eff	Monthly Minimum(1) Maximum(1)		30 Day Geo. Mean (1)		
		5.94 1.42			0.23 0.100		48		
		223.21 52.94		15.45					
		lbs/day lbs/day		lbs/day					

(1) Refer to January 1994 edition of Dmr Manual for Completing the Discharge Monitoring Report for the National Pollutant Discharge Elimination System (NPDES) for procedures to calculate loadings, arithmetic mean, geometric mean, maximum, minimum, percent removal, etc.

NOTE: Refer to current SPDES permit for specific monitoring requirements. Sample type for chlorine residual and fecal coliform is grab.

		NON-CONVENTIONAL POLLUTANTS NY0026638																		
		SEMI-VOLATILE ORGANICS										METALS								
		TKN mg/l	TKN mg/l	AMM mg/l	AMM mg/l	TRI ug/l	TETRA ug/l	CHLORO ug/l	1,2 TRANS ug/l	METH ug/l	PHTHAL ug/l	Ca mg/l	Ca mg/l	Cu mg/l	Cu mg/l	Pb mg/l	Ni mg/l	Ag mg/l	Zn mg/l	
Day	Date	Influent Sample	Effluent Type	Influent Sample	Effluent Type	Effluent Sample	Effluent Sample	Effluent Sample	Effluent Sample	Effluent Sample	Effluent Sample	Influent Sample	Effluent Sample	Influent Sample	Effluent Sample	Effluent Sample	Effluent Sample	Effluent Sample	Effluent Sample	
Tue	01																			
Wed	02																			
Thu	03																			
Fri	04																			
Sat	05																			
Sun	06																			
Mon	07																			
Tue	08																			
Wed	09																			
Thu	10																			
Fri	11																			
Sat	12																			
Sun	13																			
Mon	14																			
Tue	15																			
Wed	16																			
Thu	17	45.2	1.2	32.3	7.1	<1.0	<1.0	2.1	<1.0	<5.0		<0.020	<0.020	0.182	0.021					
Fri	18																			
Sat	19																			
Sun	20																			
Mon	21																			
Tue	22																			
Wed	23																			
Thu	24																			
Fri	25																			
Sat	26																			
Sun	27																			
Mon	28																			
Tue	29																			
Wed	30																			
30 day arithmetic mean (1)		45.20 mg/l	1.20 mg/l	32.30 mg/l	7.10 mg/l	<1.0 ug/l	<1.0 ug/l	2.1 ug/l	<1.0 ug/l	<5.0 ug/l	ug/l	<0.020 mg/l	<0.020 mg/l	0.182 mg/l	0.021 mg/l	mg/l	mg/l	mg/l	mg/l	
30 Day Aver. Quantity Loading (1)		1,568.6 lbs/day	40.6 lbs/day	1,120.9 lbs/day	246.4 lbs/day	<0.035 lbs/day	<0.035 lbs/day	0.073 lbs/day	<0.035 lbs/day	<0.174 lbs/day	lbs/day	<0.69 lbs/day	<0.69 lbs/day	6.32 lbs/day	0.73 lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	

(1) Refer to January 1994 edition of DMR Manual for Completing the Discharge Monitoring Report for the National Pollutant Discharge Elimination System (NPDES) for procedures to calculate loading, arithmetic mean, geometric mean, maximum, minimum, percent removal, etc.

Effect on Receiving Stream

NAME OF RECEIVING STREAM			
DATE	STATION	PARAMETER	RESULT

Name and amount of chemicals used in treatment

- Process during month:
- a. Sodium Hypochlorite 2476 gal.
 - b. Sulfur Dioxide 887 lbs.
 - c. Ferrous Chloride _____ gal.
 - d. Polymer (Pressing) _____ lbs.
 - e. Ferric Chloride 2909 gal.
 - f. Polymer (Actiflo) _____ gal.
- Amount of electrical power consumed:
- a. Commercial 237,600 kw.hrs.
 - b. Stand-by _____ kw.hrs.
- Amount of fuel consumed:
- a. Natural gas 505,900 cubic ft.
 - b. Oil _____ gallons
 - c. Gasoline _____ gallons
 - d. Coal _____ tons
 - e. Digester Gas 2,622,000 cubic ft.
 - f. Propane _____ gallons

Sludge removal from plant:

- a. Amount 82.9 Dry Tons
- b. Solid Content 21.4 %
- c. Volatile Solids Content 62.1 %
- d. Disposal site :
Seneca Meadows Landfill, Waterloo, NY, 13165
Ontario Cty. Landfill, Stanley, NY, 14561
- Other Solid Wastes:
 - a. Screenings 15 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 7,000 cubic feet

TRUCKED WASTE RECEIVED THIS MONTH		
1. Septage, holding tank waste and portable toilet waste		
	Total	Max day
Volume (gallons)	519,767	
2. All other wastes		
	Total	Max day
Volume (gallons)	622,295	
3. Number of Part 364 haulers currently approved to transport wastes to this POTW		
a. Septage, etc.	13	
b. All others	3	

Labor expended:


POSITION NAME	NUMBER FULL TIME	NUMBER PART TIME	TOTAL HOURS
Chief Operator	1	0	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 CJ Kilgore 22 OCT 2020


Appendix B

SECTION 1



New York State Department of Environmental Conservation
Division of Water

Report of Noncompliance Event



To: **DEC Water Contact** Matt Russo **DEC Region:** 7

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

SECTION 2

SPDES #: NY- 0026638 Facility: Ithaca Area WWTF

Date of noncompliance: 10 / 1 / 2020 Location (Outfall, Treatment Unit, or Pump Station): Outfall 001

Description of noncompliance(s) and cause(s): 7 day BOD average of 48 mg/L, (limit is 45 mg/L). Apparent cause is lab analysis problems, very likely was in compliance. Submitted non-compliance report for August due to BOD exceedence. Started additional sampling and sent the extra samples to an outside lab. (continued on next sheet)

Has event ceased? (Yes) (No) If so, when? 10/7/2020 Was event due to plant upset? (Yes) (No) SPDES limits violated? (Yes) (No)

Start date, time of event: 10 / 1 / 2020, 8 : 00 (AM) (PM) End date, time of event: 10 / 7 / 2020, 8 : 00 (AM) (PM)

Date, time oral notification made to DEC? 10 / 5 / 2020, 11 : 00 (AM) (PM) DEC Official contacted: Matt Russo

Immediate corrective actions: See below and attached letter

Preventive (long term) corrective actions: See below and attached letter.

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: / /

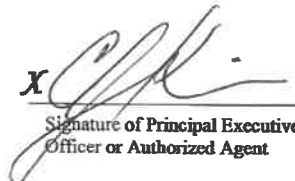
Describe even in "Description of noncompliance and cause" are in Section 2. Detail the start and end dates and times in Section 2 also.

SECTION 4

Facility Representative: C.J. Kilgore Title: Chief Operator Date: 10, 9, 2020

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

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



Signature of Principal Executive Officer or Authorized Agent

A - 1

All outside lab results had BOD results in compliance, facility lab continued to show non-compliance. Began split sampling, facility and outside lab analyzing the same composite sample. Outside lab and facility results widely different. It's believed that my facility has been in compliance all along, but cannot prove that without reliable data to back that up. See attached letter for corrective actions. Will continue to split samples and compare results for the remainder of October.

ITHACA AREA WASTEWATER TREATMENT FACILITY

TOWN OF ITHACA

CITY OF ITHACA

TOWN OF DRYDEN, OWNERS
525 THIRD STREET
ITHACA, NEW YORK 14850

ENVIRONMENTAL LABORATORY
ELAP 10869, EPA NY00981

(607)273-8381
FAX (607)273-8433

October 8, 2020

Carl Kilgore, IAWWTF Chief Operator
BOD testing remedial plan

A few BOD split-sample tests were done between our laboratory and CES (Certified Environmental Services). The BOD of the effluent was significantly higher on all in-house tested samples.

Because of the discrepancy our laboratory is now implementing the following measures to make the results of these laboratories comparable.

Run tests of certified QA/QC BOD, and additional GGA (Glucose-Glutamic acid) control samples (NSI LabSolutions),

Modify the preparation protocol of the buffer dilution water by increasing the dissolved Oxygen, DO, equilibration time by 24hr at 20C in a controlled temp incubator,

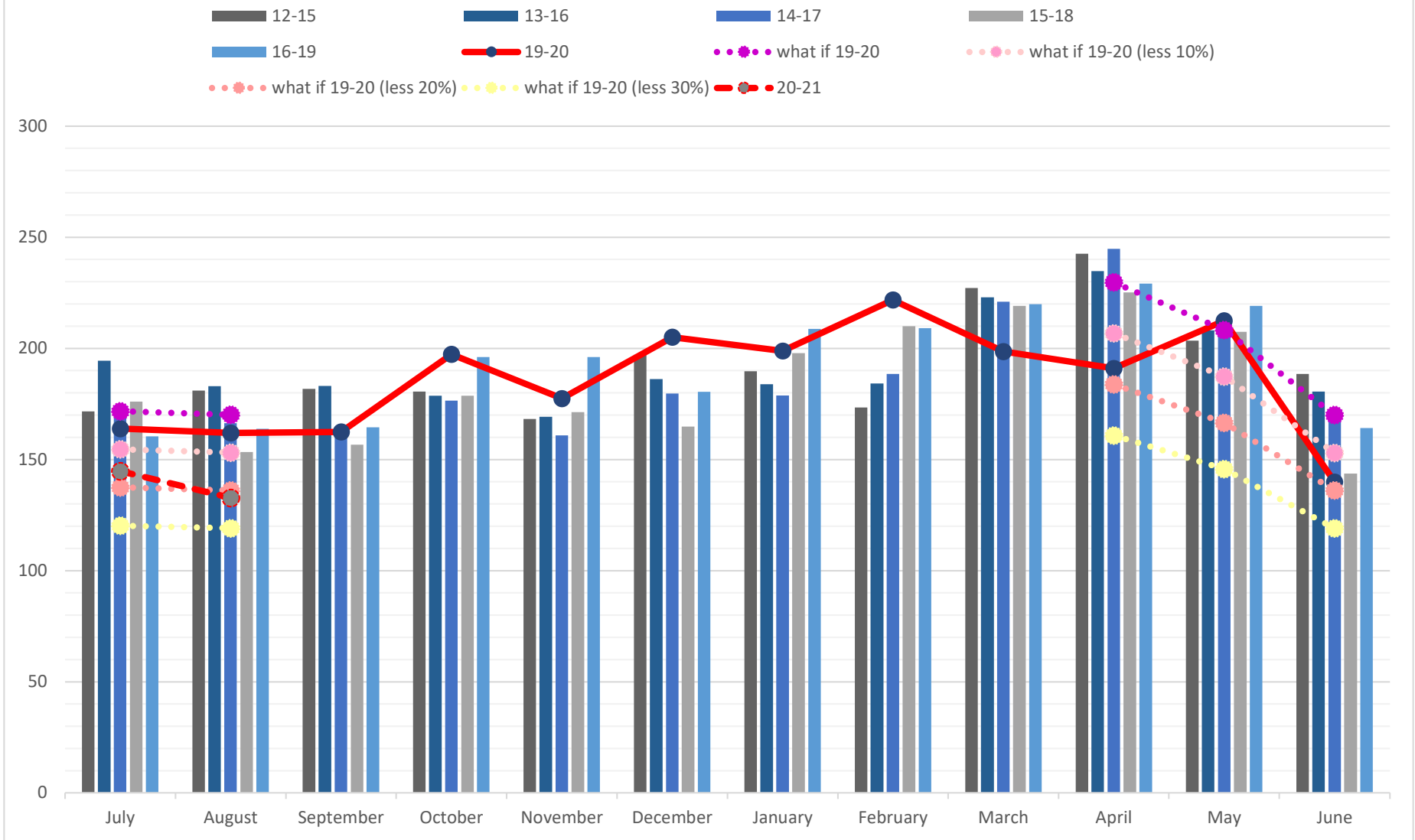
Increase the frequency of acid-detergent machine-washing the BOD test bottles from once per month to every other week, and the frequency of "direct" acid washing (HCl 1:1) to keep the blank controls to less than 0.2 mg/L DO-depletion.

Best regards,



Jose Lozano
Director

Volume Treated Current v. 3-Yr Average



Permitted Capacity and Excess Capacity Allocations
 5 Year Average 2015-2020
 Distributed Excess Capacity (MGD)

Plant Contributor IAWWTP	Approx. Plant Usage*	Peak Flow Estimate	Approx. Plant Ownership	Permitted Capacity	Excess Capacity
City of Ithaca	58.110%	4.658	57.14%	7.485	2.827
Town of Ithaca	39.901%	3.198	40.88%	5.355	2.157
Town of Dryden	1.989%	<u>0.159</u>	<u>1.98%</u>	<u>0.259</u>	<u>0.100</u>
		8.016	100.00%	13.100	5.084

Check: 8.016 + 5.084 = 13.10 O.K.

Notes:

- 1) Approximate Plant Usage is calculated based on 5 year average of gallons of potable water sold to each partner divided by 5 year average of total potable water sold.
- * 1a) Town of Ithaca usage for the period of 2015-2017 includes areas of the Town and Cayuga Heights which do not flow to the IAWWTF. Consumption numbers were corrected for 2017-2020.
- 2) It is assumed that plant billings for operational expenses are derived from figures for plant usage and that usage is proportional to gallons of potable water sold.
- 3) Peak Flow Estimates are based on 5 years of plant usage estimates and SPEDES reporting data, which determines the total peak flow of 8.016. The peak flow is the average of the peak month flow for each of the last five years. In this case, the years 2015 to 2020 produced a peak flow of 8.016 MGD.
- 4) As per the Agreement, "A party is deemed to have Excess Capacity if its allocation of Permitted Capacity exceeds One Hundred and Ten percent of its maximum monthly average flow over the previous five (5) years. Notwithstanding the foregoing, no Party shall be deemed to have Excess Capacity if its maximum monthly average flow over the previous five-year period is within Two Hundred Thousand (200,000) gallons of its allocation of Permitted Capacity." Due to the Town of Dryden's Permitted Capacity of 259,000 gallons per day, Dryden does not have Excess Capacity.