

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, August 10, 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=dnJIWDdPcWdSUks0ZXZsaHFkS1hmUT09>

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 (sent separately) – *Steve Thayer, City Controller*
- 4) Operations and Engineering Report – *Ken Scherrieble, Acting Chief Operator*
- 5) Discussion Items
 - a) Facilities and Staff Projects and Discussions – *Ken Scherrieble, Acting Chief Operator*
 - b) Flow Monitoring and Infiltration and Inflow Update – *Chris Kianka*
 - c) Plant to Plant Agreement update – *Bill Goodman, Town of Ithaca*
- 6) Adjournment

Upcoming Meeting Dates: September 14, October 12

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.

Operator and Engineer's Report
SJC Meeting
August 10, 2022

1. Plant Maintenance & Operations

- a. Aeration Blowers Showed up on 7/6 where to be installed on 7/25 now moved to 8/2
- b. JCI set up gas skid and chiller. RSP systems on site to service microturbines. JCI started up new chiller but did not like something about how things worked, will be back in August to troubleshoot.
- c. Waiting on final acceptance of boiler proposal in to get boiler ordered. We are now looking at a Thanksgiving installation date if everything progresses in the first two weeks of August.

2. Facilities Maintenance & Operations

- a. Working with staff to identify internal projects for preventive/corrective action. Several projects have been identified/begun and now moving into the complete file.
- b. Developed tracking sheet to track internal and external projects

3. Staff Management

- a. Weekly staff meetings continue, have moved through the basics of MCRT, nitrification/denitrification and phosphorous removal.

4. Reporting – Regulatory reports sent out as scheduled

5. Business, Long Term Development Exploration of sludge drying technologies for future upgrades.

- a. CMMS program

Equipment	Usage(ft²) June	Usage(ft²) May	Usage(ft²) April	Usage(ft²) March	Usage(ft²) February	Usage(ft²) January
Micro-turbines	0	0	0	0	0	0
Boilers	470,000	463,000	532,000	526,000	641,000	1,310,000
Waste Flare	844,000	645,000	990,000	1,202,000	831,000	72,000
Total Biogas Produced	1,314,000	1,108,000	1,522,000	1,728,000	1,472,000	1,382,000

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: 5 / 13 / 2022 Location (Outfall, Treatment Unit, or Pump Station): Outfall 001

Description of noncompliance(s) and cause(s): Effluent settleable solids were 5.1 ml/L, in excess of permit limit of 0.3 ml/L. Cause was high SVI due to proliferation of filamentous bacteria.

Has event ceased? (Yes) ~~(No)~~ If so, when? 5/14/2022 Was event due to plant upset? ~~(Yes)~~ (No) SPDES limits violated? (Yes) ~~(No)~~

Start date, time of event: 5 / 13 / 2022, 11 : 45 (AM) ~~(PM)~~ End date, time of event: 5 / 14 / 2022, 7 : 40 (AM) ~~(PM)~~

Date, time oral notification made to DEC? 6 / 21 / 2022, 11 : 45 (AM) ~~(PM)~~ DEC Official contacted: Matt Russo

Immediate corrective actions: Put an additional final tank online, effluent cleared up within an hour; had started chlorinating for filaments 3 days prior (10 June).

Preventive (long term) corrective actions: Monitor biology and SVI on a daily basis to ensure good settleability of sludge to prevent solids carryover.

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: 6 / 21 / 2022

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.

X

Signature of Principal Executive Officer or Authorized Agent

WASTEWATER FACILITY OPERATION REPORT FOR THE MONTH OF May, 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	
Sun	01	0.00	8.00	6.07	2.90	61	58	7.6	7.8	7.7	7.8	15.0	<0.10					
Mon	02	0.02	9.90	6.636	3.10	61	59	7.7	8.1	7.5	7.7	9.3	<0.10	321	21	435	39	
Tue	03	0.06	10.00	6.35	3.00	63	59	7.7	7.8	7.8	7.8	41.3	<0.10	218	21	233	10	
Wed	04	0.02	10.10	6.12	3.00	61	60	7.7	7.9	7.8	7.9	8.5	<0.10					
Thu	05	0.12	10.00	5.80	2.50	62	60	7.7	7.9	7.8	7.9	8.7	<0.10					
Fri	06	0.00	9.50	5.84	2.80	60	60	7.6	7.7	7.6	7.8	9.8	<0.10					
Sat	07	0.00	8.40	5.219	1.10	61	60	7.5	7.7	7.6	7.7	6.7	<0.10					
Sun	08	0.00	8.40	5.359	2.50	61	59	7.8	7.9	7.7	7.8	9.3	<0.10					
Mon	09	0.00	9.50	5.753	1.70	63	60	7.7	7.9	7.8	7.8	9.7	<0.10	290	29	243	6	
Tue	10	0.00	8.90	5.548	1.50	64	61	7.8	7.9	7.8	7.9	10.3	<0.10	307	24	180	6	
Wed	11	0.00	9.50	5.634	1.50	65	62	7.7	8.0	7.7	7.8	9.0	<0.10					
Thu	12	0.00	9.00	5.776	1.90	71	62	7.6	7.7	7.5	7.7	12.8	<0.10					
Fri	13	0.00	8.50	4.813	2.50	69	66	7.6	7.7	7.6	7.7	9.0	<5.10					
Sat	14	0.00	6.90	5.340	1.70	66	65	7.5	7.7	7.5	7.6	10.3	<0.10					
Sun	15	0.00	10.00	5.765	2.20	68	64	7.7	7.8	7.7	7.9	9.8	<0.10					
Mon	16	0.30	9.40	6.348	4.40	67	65	7.5	7.7	7.9	8.0	8.3	<0.10	207	20	186	4	
Tue	17	0.46	8.40	6.163	2.00	65	64	7.6	7.8	7.9	8.0	11.2	<0.10	217	18	178	3	
Wed	18	0.00	9.00	5.732	3.80	64	63	7.6	8.1	7.9	8.0	14.3	<0.10					
Thu	19	0.23	8.00	5.795	3.30	64	63	7.5	7.7	7.9	8.0	7.2	<0.10					
Fri	20	0.05	7.80	6.242	3.60	65	64	7.6	7.7	8.0	8.0	9.0	<0.10					
Sat	21	0.00	7.10	4.931	3.40	68	65	7.8	8.2	8.0	8.2	4.2	<0.10					
Sun	22	0.00	6.60	4.978	3.00	67	65	7.5	7.7	7.8	8.0	7.7	<0.10					
Mon	23	0.31	8.20	5.162	3.00	65	64	7.6	7.6	7.9	8.0	9.2	<0.10			213	3	
Tue	24	0.00	7.10	5.16	3.10	66	64	7.5	7.8	7.9	8.0	7.8	<0.10	158	20	67	3	
Wed	25	0.00	8.60	4.892	2.60	67	65	7.7	8.1	7.9	8.1	6.3	<0.10	134	23			
Thu	26	0.00	8.00	5.100	2.40	67	65	7.5	7.8	7.7	8.0	8.7	<0.10					
Fri	27	0.00	7.60	5.195	2.50	67	66	7.5	8.1	7.7	8.0	7.0	<0.10					
Sat	28	0.21	7.00	4.766	2.10	66	66	7.5	7.6	7.6	7.9	8.8	<0.10					
Sun	29	0.19	6.50	3.923	2.50	67	65	7.5	7.7	7.7	7.8	12.0	<0.10					
Mon	30	0.00	6.00	4.680	3.00	65	65	7.5	7.6	7.6	7.8	11.3	<0.10					
Tue	31	0.00	8.30	4.763	2.00	70	67	7.5	7.6	7.6	7.7	8.0	<0.10	227	39	236	6	
		Total Precip 1.97	Monthly 5.479		Monthly Average Influent 65 Effluent 63		Monthly Influent Minimum 7.5 Maximum 8.2 Effluent Minimum 7.5 Maximum 8.2				Monthly Maximum 41.3	Monthly Maximum <5.10	30 day arithmetic mean (1) Inf.(mg/l) 231 Eff.(mg/l) 24		30 day arithmetic mean (1) Inf.(mg/l) 219 Eff.(mg/l) 9			
		Monthly Total 169.847								30 Day Avg Quantity Loading (1)		11,203 lbs/day	1,123 lbs/day	10,758 lbs/day	457 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			
Sun	01				0.95	0.04			
Mon	02	8.75	0.89		0.75	0.02	3		
Tue	03	4.55	0.34		0.54	0.05	23		
Wed	04				0.44	0.06			
Thu	05				0.58	0.06			
Fri	06				0.45	0.04			
Sat	07				0.53	0.05			
Sun	08				0.57	0.04			
Mon	09	4.59	0.13		0.57	0.07	2		
Tue	10	4.11	0.12		0.51	0.04	4		
Wed	11				0.41	0.05			
Thu	12				0.51	0.05			
Fri	13				0.39	0.08			
Sat	14				0.42	0.05			
Sun	15				0.63	0.02			
Mon	16	3.73	0.68		0.51	0.04	10		
Tue	17	3.77	0.61		0.38	0.02			
Wed	18				0.38	0.03			
Thu	19				0.41	0.04			
Fri	20				0.31	0.03			
Sat	21				0.31	0.05			
Sun	22				0.41	0.05			
Mon	23	3.67	0.56		0.62	0.05	45		
Tue	24	3.63	0.49		0.37	0.05	93		
Wed	25				0.29	0.04			
Thu	26				0.38	0.05			
Fri	27				0.31	0.03			
Sat	28				0.25	0.02			
Sun	29				0.28	0.02			
Mon	30				0.19	0.01			
Tue	31	3.50	0.30		0.16	0.04	133		
		30 day arithmetic mean (1) Influent(mg/l) Effluent(mg/l)		TMRA Eff	Monthly Minimum(1) Maximum(1)		30 Day Geo. Mean (1)		
		4.48	0.46		0.16	0.080	15		
		220.02	22.61	21.58					
		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	
Sun	01																			
Mon	02																			
Tue	03																			
Wed	04	35.8	26.3	23.6	32.4	<1.0	<1.0	1.7	<1.0	<2.0		<0.020	<0.020	0.084	0.061	<0.020	<0.020	<0.020	0.024	
Thu	05																			
Fri	06																			
Sat	07																			
Sun	08																			
Mon	09																			
Tue	10																			
Wed	11																			
Thu	12																			
Fri	13																			
Sat	14																			
Sun	15																			
Mon	16																			
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Sat	21																			
Sun	22																			
Mon	23																			
Tue	24																			
Wed	25																			
Thu	26																			
Fri	27																			
Sat	28																			
Sun	29																			
Mon	30																			
Tue	31																			
30 day arithmetic mean (1)		35.80 mg/l	26.30 mg/l	23.60 mg/l	32.40 mg/l	<1.0 ug/l	<1.0 ug/l	1.7 ug/l	<1.0 ug/l	<2.0 ug/l	ug/l	<0.020 mg/l	<0.020 mg/l	0.084 mg/l	0.061 mg/l	<0.020 mg/l	<0.020 mg/l	<0.020 mg/l	0.024 mg/l	
30 Day Aver. Quantity Loading (1)		1,828.5 lbs/day	1,343.3 lbs/day	1,205.4 lbs/day	1,654.8 lbs/day	<0.051 lbs/day	<0.051 lbs/day	0.087 lbs/day	<0.051 lbs/day	<0.102 lbs/day	lbs/day	<1.02 lbs/day	<1.02 lbs/day	4.29 lbs/day	3.12 lbs/day	<1.02 lbs/day	<1.02 lbs/day	<1.02 lbs/day	1.23 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)	525,748	
2. All other wastes		
	Total	Max day
Volume (gallons)	1,211,017	
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 4570 gal.

b. Sulfur Dioxide 1,159 lbs.

c. Ferrous Chloride 1397 gal.

d. Polymer (Pressing) lbs.

e. Ferric Chloride 6201 gal.

f. Polymer (Actiflo) gal.

Amount of electrical power consumed:

a. Commercial 453,600 kw.hrs.

b. Stand-by kw.hrs.

Amount of fuel consumed:

a. Natural gas 624,200 cubic ft.

b. Oil gallons

c. Gasoline gallons

d. Coal tons

e. Digester Gas 463,000 cubic ft.

f. Propane gallons

Sludge removal from plant:

a. Amount 139.9 Dry Tons

b. Solid Content 26.7 %

c. Volatile Solids Content 50.2 %

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

Other Solid Wastes:

a. Screenings 4 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 645,000 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	840.0
Operator-Trainee	3	0	880.0
Laboratory Director	1	0	176.0
Laboratory Technician	1	0	
Administrative Assistant	1	0	176.0
Interns	0	0	
Maintenance Worker	1		88

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] Chief Operator 21 JUNE 2022
Signature of Chief Operator or Designated Facility Representative

WASTEWATER FACILITY OPERATION REPORT FOR THE MONTH OF June, 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
Wed	01	0.00	7.30	4.55	2.20	70	67	7.6	8.1	7.5	7.6	8.3	<0.10	209	39	187	5
Thu	02	0.28	7.00	4.798	2.00	68	67	7.6	7.9	7.6	7.8	7.5	<0.10				
Fri	03	0.00	7.30	4.51	1.90	68	66	7.5	7.6	7.5	7.7	8.2	<0.10				
Sat	04	0.00	6.30	3.86	1.10	66	66	7.5	7.6	7.4	7.5	8.3	<0.10				
Sun	05	0.00	5.80	4.17	2.00	66	65	7.5	7.6	7.4	7.5	8.0	<0.10				
Mon	06	0.00	7.00	4.28	2.00	68	66	7.5	7.7	7.3	7.5	11.0	<0.10	213	30	268	5
Tue	07	0.00	6.40	4.409	2.50	68	67	7.5	8.1	7.6	7.7	8.3	<0.10	249	30	238	5
Wed	08	0.24	9.60	5.009	2.50	68	68	7.7	8.0	7.7	7.8	7.7	<0.10				
Thu	09	0.83	9.40	6.009	2.70	67	66	7.5	7.7	7.6	7.7	5.7	<0.10				
Fri	10	0.09	8.20	4.975	2.10	68	66	7.6	7.7	7.6	7.8	7.3	<0.10				
Sat	11	0.00	7.10	4.363	2.10	66	66	7.6	7.6	7.5	7.6	11.3	<0.10				
Sun	12	0.00	6.50	4.604	2.30	68	66	7.5	7.6	7.5	7.6	10.3	<0.10				
Mon	13	0.00	7.10	4.295	2.00	68	67	7.5	7.6	7.4	7.7	13.7	<0.10	180	20	256	4
Tue	14	0.00	7.30	4.324	1.50	69	67	7.5	7.7	7.6	7.7	9.0	<0.10	237	20	234	4
Wed	15	0.00	10.40	5.186	2.00	69	67	7.6	7.8	7.6	7.7	8.8	<0.10				
Thu	16	0.95	10.10	5.760	2.70	70	69	7.5	8.0	7.6	7.7	8.3	<0.10				
Fri	17	0.00	7.70	4.674	1.80	70	69	7.5	7.7	7.6	7.7	8.8	<0.10				
Sat	18	0.05	7.00	4.780	2.00	67	67	7.4	7.6	7.7	7.7	9.8	<0.10				
Sun	19	0.03	6.40	3.642	1.30	67	66	7.6	7.7	7.6	7.7	6.0	<0.10				
Mon	20	0.00	6.50	3.423	1.60	68	66	7.5	7.6	7.6	7.6	29.3	<0.10				
Tue	21	0.00	7.10	4.440	1.80	68	67	7.5	7.7	7.6	7.7	15.0	<0.10	170	6	302	3
Wed	22	0.00	7.80	4.692	2.50	70	69	7.5	7.7	7.8	7.9	16.0	<0.10	186	6	211	3
Thu	23	0.16	6.10	4.558	2.40	69	69	7.6	7.8	7.9	8.2	12.0	<0.10				
Fri	24	0.00	6.50	3.61	2.10	71	69	7.5	7.6	7.9	8.0	8.8	<0.10				
Sat	25	0.00	6.00	3.711	2.20	69	70	7.4	7.5	7.5	7.7	9.2	<0.10				
Sun	26	0.00	10.00	4.930	3.00	70	71	7.4	7.5	7.5	7.5	11.8	<0.10				
Mon	27	0.89	6.70	4.365	2.50	71	70	7.5	7.8	7.7	7.9	16.4	<0.10				
Tue	28	0.00	7.20	4.398	2.20	71	70	7.5	7.8	7.6	7.8	10.0	<0.10	197	11	231	3
Wed	29	0.00	6.30	4.307	2.30	71	69	7.5	7.6	7.5	7.8	8.5	<0.10	164	20	273	3
Thu	30	0.00	6.50	4.312	2.30	70	70	7.4	7.5	7.5	7.5	12.3	<0.10				
		Total Precip 3.52	Monthly 4.498			Monthly Influent 69	Average Effluent 68	Monthly Minimum Maximum Minimum Maximum 7.4 8.1 7.3 8.2				Monthly Maximum 29.3	Monthly Maximum <0.10	30 day arithmetic mean (1) Inf.(mg/l) Eff.(mg/l) 201 20		30 day arithmetic mean (1) Inf.(mg/l) Eff.(mg/l) 244 4	
		Monthly Total 134.926										30 Day Avg Quantity Loading (1) 7,375 lbs/day		741 lbs/day	8,971 lbs/day	143 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	4.77	0.38		0.25	0.02			
Thu	02				0.27	0.07	133		
Fri	03				0.21	0.04	99		
Sat	04				0.22	0.03			
Sun	05				0.21	0.02			
Mon	06	4.10	0.10		0.18	0.06	46		
Tue	07	4.01	0.19		0.30	0.03	45		
Wed	08				0.19	0.04			
Thu	09				0.25	0.01			
Fri	10				0.56	0.06			
Sat	11				0.53	0.06			
Sun	12				0.57	0.03			
Mon	13	4.27	0.12		0.55	0.03	16		
Tue	14	3.72	0.11		0.54	0.06	15		
Wed	15				0.45	0.04			
Thu	16				0.28	0.04			
Fri	17				0.39	0.05			
Sat	18				0.45	0.03			
Sun	19				0.54	0.04			
Mon	20				0.22	0.01			
Tue	21	4.36	0.09		0.41	0.05	19		
Wed	22	4.48	0.07		0.30	0.05	12		
Thu	23				0.45	0.05			
Fri	24				0.33	0.05			
Sat	25				0.41	0.09			
Sun	26				0.23	0.06			
Mon	27				0.45	0.07			
Tue	28	3.75	0.53		0.39	0.07	30		
Wed	29	9.08	0.78		0.40	0.08	21		
Thu	30				0.55	0.07			
		30 day arithmetic mean (1) Influent(mg/l) Effluent(mg/l)		TMRA Eff	Monthly Minimum(1) Maximum(1)		30 Day Geo. Mean (1)		
		4.73	0.26		0.18	0.090	31		
		173.59	9.64	21.19					
		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	Sample Influent	Type Effluent	Sample Influent	Type Effluent	Sample Effluent	Sample Effluent	Sample Effluent	Sample Effluent	Sample Effluent	Sample Effluent	Sample Influent	Sample Effluent	Sample Influent	Sample Effluent	Sample Effluent	Sample Effluent	Sample Effluent	Sample Effluent	
Wed	01																			
Thu	02																			
Fri	03																			
Sat	04																			
Sun	05																			
Mon	06																			
Tue	07	28.7	9.7	18.1	14.5															
Wed	08											<0.020	<0.020	<0.020	0.048	<0.020	<0.020	<0.020	0.026	
Thu	09					<1.0	<1.0	2.5	<1.0	<2.0										
Fri	10																			
Sat	11																			
Sun	12																			
Mon	13																			
Tue	14																			
Wed	15																			
Thu	16																			
Fri	17																			
Sat	18																			
Sun	19																			
Mon	20																			
Tue	21																			
Wed	22																			
Thu	23																			
Fri	24																			
Sat	25																			
Sun	26																			
Mon	27																			
Tue	28																			
Wed	29																			
Thu	30																			
30 day arithmetic mean (1)		28.70 mg/l	9.70 mg/l	18.10 mg/l	14.50 mg/l	<1.0 ug/l	<1.0 ug/l	2.5 ug/l	<1.0 ug/l	<2.0 ug/l	ug/l	<0.020 mg/l	<0.020 mg/l	<0.020 mg/l	0.048 mg/l	<0.020 mg/l	<0.020 mg/l	<0.020 mg/l	0.026 mg/l	
30 Day Aver. Quantity Loading (1)		lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	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 5473 gal.
- b. Sulfur Dioxide 1,071 lbs.
- c. Ferrous Chloride 1,660 gal.
- d. Polymer (Pressing) _____ lbs.
- e. Ferric Chloride 5468 gal.
- f. Polymer (Actiflo) _____ gal.

Amount of electrical power consumed:

- a. Commercial 424,800 kw.hrs.
- b. Stand-by _____ kw.hrs.

Amount of fuel consumed:

- a. Natural gas 538,200 cubic ft.
- b. Oil _____ gallons
- c. Gasoline _____ gallons
- d. Coal _____ tons
- e. Digester Gas 1,000,257,000 cubic ft.
- f. Propane _____ gallons

Sludge removal from plant:

- a. Amount _____ Dry Tons
- b. Solid Content 23.1 %
- c. Volatile Solids Content 53.9 %

d. Disposal site :

Seneca Meadows Landfill, Waterloo, NY, 13165
Ontario Cty. Landfill, Stanley, NY, 14561

Other Solid Wastes:

- a. Screenings _____ 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 1,101,000 cubic feet

Labor expended:

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

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

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.

Kenneth G. Shearman YA
Signature of Chief Operator or Designated Facility Representative