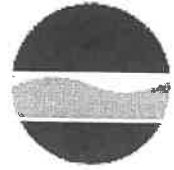


New York State Department of Environmental Conservation

Division of Environmental Permits

NYSDEC HEADQUARTERS
625 BROADWAY
ALBANY, NY 12233
(518) 402-9167



SPDES PERMIT RENEWAL

3/11/2015

**MICHAEL THORNE
CITY OF ITHACA
525 THIRD ST
ITHACA NY 14850**

**Permittee Name: CITY OF ITHACA
Facility Name: ITHACA AREA WASTEWATER
TREATMENT FAC
Ind. Code: 4952 County: TOMPKINS
DEC ID: 7-5007-00012/00001 SPDES No.: NY0026638
Permit Effective Date: 6/1/2015
Permit Expiration Date: 5/31/2020**

Dear Permittee,

The State Pollutant Elimination System (SPDES) permit renewal for the facility referenced above is approved with the new effective and expiration dates. This letter together with the previous valid permit for this facility effective on 06/01/2010 and any subsequent modifications constitute authorization to discharge wastewater in accordance with all terms, conditions and limitations specified in the previously issued permit(s).

As a reminder, SPDES permits are renewed at a central location in Albany in order to make the process more efficient. All other concerns with your permit, including applications for permit modification or transfer to a new owner, a name change, and other questions, should be directed to:

Deputy Regional Permit Administrator
NYSDEC REGION 7 CORTLAND SUB-OFFICE
1285 FISHER AVE
CORTLAND, NY 13045-1090
(607) 753-3095

If you have already filed an application for modification of your permit, it will be processed separately by that office.

If you have questions concerning this permit renewal, please contact LINDY SUE CZUBERNAT at (518) 402-9167.

Sincerely,

A handwritten signature in cursive script that reads "Stuart M. Fox".

Stuart M. Fox
Deputy Chief Permit Administrator

cc:
RPA
BWC

RWE
File

BWP
EPA

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
State Pollutant Discharge Elimination System (SPDES)
DISCHARGE PERMIT
Special Conditions (Part 1)

Industrial Code: 9200
Discharge Class (CL): 05
Toxic Class (TX): T
Major Drainage Basin: 07
Sub Drainage Basin: 05
Water Index Number: ONT-66-12-P296

SPDES Number: NY - 0026638
DEC Number: 7-5007-00012/00001
Effective Date(EDP): June 1, 2000
Expiration (ExpD): June 1, 2005
Modification Dates: August 1, 2001
Attachment(s): General Conditions (Part II) Date: 11/90

This SPDES permit is issued in compliance with Title 8 of Article 17 of the Environmental Conservation Law of New York State and in compliance with the Clean Water Act, as amended, (33 U.S.C. §1251 et. seq.)(hereinafter referred to as "the Act").

PERMITTEE NAMES AND ADDRESSES

Name: City of Ithaca
Street: 108 East Green Street
City: Ithaca

Attention: William J. Gray, P.E.
City Engineer
State: NY Zip Code: 14850

Name: Town of Ithaca
Street: 126 East Seneca Street
City: Ithaca

Attention: Catherine Valentino
Town Supervisor
State: NY Zip Code: 14850

Name: Town of Dryden
Street: 65 East Main Street
City: Dryden

Attention: Mark Varvayanis
Town Supervisor
State: NY Zip Code: 13053

is authorized to discharge from the facility described below:

FACILITY NAME AND ADDRESS

Name: Ithaca Area Wastewater Treatment Facilities
Location (C,T,V): City of Ithaca
Facility Address: 525 Third Street
City: Ithaca

County: Tompkins
State: NY Zip Code: 14850

NYTM - E: From Outfall No.: 001 at Latitude: 42 ° 28 ' 00 " & Longitude: 76 ° 30 ' 50 "
into receiving waters known as: Cayuga Lake Class: A

and; (list other Outfalls, Receiving Waters & Water Classifications) (Continued on next page)

in accordance with the effluent limitations, monitoring requirements and other conditions set forth in Special Conditions (Part I) and General Conditions (Part II) of this permit.

DISCHARGE MONITORING REPORT (DMR) MAILING ADDRESS

Mailing Name: Ithaca Area Wastewater Treatment Facilities
Street: 525 Third Street
City: Ithaca
Responsible Official or Agent:

State: NY Zip Code: 14850
Phone: 607-273-8381

This permit and the authorization to discharge shall expire on midnight of the expiration date shown above and the permittee shall not discharge after the expiration date unless this permit has been renewed, or extended pursuant to law. To be authorized to discharge beyond the expiration date, the permittee shall apply for permit renewal not less than 180 days prior to the expiration date shown above.

DISTRIBUTION:

US EPA, Region II
Water Division, Region 7
R. Hannaford, Division of Water, Albany
Tompkins County Health Department

Permit Administrator: Michael K. Barylski	
Address: 1285 Fisher Ave. Cortland, NY 13045	
Signature: <i>Michael K. Barylski</i>	Date: 8/15/01

Additional Discharge Locations

<u>Outfall</u>	<u>Description</u>	<u>Latitude</u>	<u>Longitude</u>	<u>Receiving Waters</u>	<u>Class</u>
002	STP Influent Bypass	42° 26' 11"	76° 30' 15"	Cascadilla Creek	C
003	Lake St. & Kline Rd. P.S.	42° 27' 22"	76° 30' 11"	Fall Creek	E
004	Ferris Pl. & Quay St. P.S.	42° 26' 15"	76° 30' 40"	Six Mile Creek	I
005	Cherry St. & Clinton St. P.S.	42° 26' 11"	76° 31' 04"	Flood Control Channel	I
006	321 Elmira Rd. P.S.	42° 25' 34"	76° 30' 42"	Relief Channel	I

Discharges from these outfalls are subject to Section 11.2 of the SPDES Permit General Conditions (Part II) concerning Bypasses.

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning August 1, 2001 and lasting until June 1, 2005
 the discharges from the permitted facility shall be limited and monitored by the permittee as specified below:

LIMITATIONS APPLY: All Year Seasonal from _____ to _____

Outfall Number 001

EFFLUENT LIMITATIONS

<input checked="" type="checkbox"/> Flow	30 day arithmetic mean	<u>13.1</u>	<input checked="" type="checkbox"/> MGD	<input type="checkbox"/> GPD	
<input checked="" type="checkbox"/> BOD, 5 - Day	30 day arithmetic mean	<u>30</u> mg/l	and	<u>2502</u>	lbs/day ⁽¹⁾
<input checked="" type="checkbox"/> BOD, 5 - Day	7 day arithmetic mean	<u>45</u> mg/l	and	<u>3753</u>	lbs/day
<input checked="" type="checkbox"/> Solids, Suspended	30 day arithmetic mean	<u>30</u> mg/l	and	<u>2502</u>	lbs/day ⁽¹⁾
<input checked="" type="checkbox"/> Solids, Suspended	7 day arithmetic mean	<u>45</u> mg/l	and	<u>3753</u>	lbs/day
<input checked="" type="checkbox"/> Effluent disinfection required:	<input checked="" type="checkbox"/> All Year <input type="checkbox"/> Seasonal from _____ to _____				
<input checked="" type="checkbox"/> Coliform, Fecal	30 day geometric mean shall not exceed 200/100 ml				
<input checked="" type="checkbox"/> Coliform, Fecal	7 day geometric mean shall not exceed 400/100 ml				
<input checked="" type="checkbox"/> Chlorine, Total Residual	Daily Maximum			<u>0.1</u>	mg/l
<input checked="" type="checkbox"/> pH	Range			<u>6.0 - 9.0</u>	SU
<input checked="" type="checkbox"/> Solids, Settleable	Daily Maximum			<u>0.3</u>	ml/l
<input checked="" type="checkbox"/> Phosphorus	12 month rolling average (TMRA) ⁽³⁾			<u>40.0 lbs/day as P</u>	
<input checked="" type="checkbox"/> Temperature	Daily maximum			<u>90</u>	Degrees F

MONITORING REQUIREMENTS

Parameter	Frequency	Sample Type	Sample Influent	Location Effluent
<input checked="" type="checkbox"/> Flow, <input type="checkbox"/> MGD <input type="checkbox"/> GPD	Continuous	Record		X
<input checked="" type="checkbox"/> BOD, 5 - Day, mg/l	2/Week	24-hr. Comp.	X	X
<input checked="" type="checkbox"/> Solids, Suspended, mg/l	2/Week	24-hr. Comp.	X	X
<input checked="" type="checkbox"/> Coliform, Fecal, No./100 ml ⁽²⁾	2/Week	Grab		X
<input checked="" type="checkbox"/> Nitrogen, TKN (as N), mg/l	1/Month	24-hr. Comp.	X	X
<input checked="" type="checkbox"/> Ammonia (as NH ₃), mg/l	1/Month	24-hr. Comp.	X	X
<input checked="" type="checkbox"/> pH, SU (standard units)	3/Day	Grab	X	X
<input checked="" type="checkbox"/> Solids, Settleable, ml/l	3/Day	Grab	X	X
<input checked="" type="checkbox"/> Chlorine, Total Residual, mg/l ⁽²⁾	3/Day	Grab		X
<input checked="" type="checkbox"/> Phosphorus, Total (as P), mg/l	2/Week	24-hr. Comp.		X
<input checked="" type="checkbox"/> Temperature, Deg. F	3/Day	Grab	X	X

NOTES:

- (1) and effluent value shall not exceed 15 % and 15 % of influent values for BOD₅ & TSS respectively.
- (2) Monitoring of these parameters is only required during the period when disinfection is required
- (3) The 12 month rolling average shall be calculated by averaging the current reporting period's value with the previous 11 months values.

SCHEDULE OF COMPLIANCE

a) The permittee shall comply with the following schedule.

Action Code	Outfall Number(s)	Compliance Action	Due Date
	001	<p><u>Annual Sewer System Operation and Maintenance Report</u></p> <p>The Permittee shall prepare an annual report for the period January 1 to December 31 that describes the sewer inspection and maintenance activities for the period and assesses the effectiveness of that program. The report shall also assess the effectiveness of the approved I/I elimination program. The report must be submitted to the Department no later than 60 days following the close of each reporting period.</p>	

The above compliance actions are one time requirements. The permittee shall comply with the above compliance actions to the Department's satisfaction once. When this permit is administratively renewed by NYSDEC letter entitled "SPDES NOTICE/RENEWAL APPLICATION/PERMIT", the permittee is not required to repeat the submission. The above due dates are independent from the effective date of the permit stated in the letter of "SPDES NOTICE/RENEWAL APPLICATION/PERMIT."

- b) The permittee shall submit a written notice of compliance or non-compliance with each of the above schedule dates no later than 14 days following each elapsed date, unless conditions require more immediate notice under terms of the General Conditions (Part II), Section 5. All such compliance or non-compliance notification shall be sent to the locations listed under the section of this permit entitled RECORDING, REPORTING AND ADDITIONAL MONITORING REQUIREMENTS. Each notice of non-compliance shall include the following information:
1. A short description of the non-compliance;
 2. A description of any actions taken or proposed by the permittee to comply with the elapsed schedule requirements without further delay and to limit environmental impact associated with the non-compliance;
 3. A description of any factors which tend to explain or mitigate the non-compliance; and
 4. An estimate of the date the permittee will comply with the elapsed schedule requirement and an assessment of the probability that the permittee will meet the next scheduled requirement on time.
- c) The permittee shall submit copies of any document required by the above schedule of compliance to NYSDEC Regional Water Engineer at the location listed under the section of this permit entitled RECORDING, REPORTING AND ADDITIONAL MONITORING REQUIREMENTS and to the Bureau of Water Permits, Room 314, 50 Wolf Road, Albany, N.Y. 12233-3505, unless otherwise specified in this permit or in writing by the Department.

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning June 1, 2000and lasting until June 1, 2005

the discharges from the permitted facility shall be limited and monitored by the permittee as specified below:

Outfall Number & Effluent Parameter	Discharge Limitations		Units	Minimum Monitoring Requirements	
	Daily Avg.	Daily Max.		Measurement Frequency	Sample Type
<u>001 - Final Effluent</u>					
Trichloroethylene	4.2	Monitor	lbs/day	1/month	Grab
Tetrachloroethylene	1.0	1.3	lbs/day	1/month	Grab
Cadium, Total	Monitor	2.2	lbs/day	1/month	24-hr. Comp.

ACTION LEVEL REQUIREMENTS

The parameters listed below have been reported present in the discharge but at levels that currently do not require water quality based limits. Action levels have been established which if routinely or excessively exceeded will result in reconsideration of water quality based limits. Routine action level monitoring results, if not provided for on the Discharge Monitoring Report (DMR) form, shall be appended to the DMR for the period during which the sampling was conducted.

If discharges of any substance exceed their respective action level:

- (1) for four of six consecutive samples.
- (2) for two of six consecutive samples by 20% or more.
- (3) for any 1 sample by 50% or more.

the permittee shall undertake a short-term, high-intensity monitoring program for this parameter. Samples identical to those required for routine monitoring purposes shall be taken on each of three consecutive operating days and analyzed. Results shall be expressed in terms of both concentration and mass, and shall be submitted no later than the end of the third month following the month when any of the criteria listed above was met. Results may be appended to a DMR or transmitted under separate cover to the same address. If levels higher than the action levels are confirmed, the result shall constitute a revised application and the permit shall be reopened for consideration of revised action levels or effluent limits.

The permittee is not authorized to discharge any of the listed parameters at levels which may cause or contribute to a violation of water quality standards.

Outfall No. 001

<u>Effluent Parameter</u>	<u>Action Level</u>	<u>Units</u>	<u>Minimum Monitoring Requirements</u>	
			<u>Measurement Frequency</u>	<u>Sample Type</u>
Chloroform	0.8	lbs/day	4/year	Grab
Trans-1,2-Dichloroethylene	0.8	lbs/day	4/year	Grab
Methylene Chloride	1.9	lbs/day	4/year	Grab
Bis(2-ethylhexyl) Phthalate	1.8	lbs/day	4/year	Grab
Copper, Total	5.6	lbs/day	4/year	24-hr. Comp
Lead, Total	4.6	lbs/day	4/year	24-hr. Comp
Nickel, Total	8.2	lbs/day	4/year	24-hr. Comp
Silver, Total	1.8	lbs/day	4/year	24-hr. Comp
Zinc, Total	10.8	lbs/day	4/year	24-hr. Comp

Definition of Daily Average and Daily Maximum

The daily average discharge is the total discharge by weight or in other appropriate units as specified herein, during a calendar month divided by the number of days in the month that the production or commercial facility was operating. Where less than daily sampling is required by this permit, the daily average discharge shall be determined by the summation of all the measured daily discharges in appropriate units as specified herein divided by the number of days during the calendar month when the measurements were made.

The daily maximum discharge means the total discharge by weight or in other appropriate units as specified herein, during any calendar day.

Monitoring Locations

Permittee shall take samples and measurements to meet the monitoring requirements at the location(s) indicated below: (Show locations of outfalls with sketch or flow diagram as appropriate).

Monitoring for fecal coliform, total chlorine residual, and effluent temperature shall be performed at the dechlorination building sampling station. Monitoring for other effluent parameters may be performed at a convenient location after the combination of the wastewater treatment facilities effluent, cogeneration cooling water, and plant effluent system and prior to the discharges to Cayuga Lake. Influent monitoring shall be performed at a convenient location prior to the primary settling tank.

PRETREATMENT PROGRAM IMPLEMENTATION
REQUIREMENTS

- A. The permittee shall implement the Industrial Pretreatment Program in accordance with the legal authorities, policies, procedures, and financial provisions described in the permittee's pretreatment program submission entitled, Development of an Industrial Pretreatment Program, City of Ithaca, dated June 1983, approved by EPA on September 10, 1984, and the General Pretreatment Regulations (40 CFR 403). At a minimum, the following pretreatment implementation activities shall be undertaken by the permittee:
- (1) Enforce categorical pretreatment standards promulgated pursuant to Section 307(b) and (c) of the Act, prohibitive discharge standards as set forth in 40 CFR 403.5, and local limitation specified in Section 2 of the City of Ithaca Local Law Number 1 of 1984, Section 2 of the Town of Ithaca Local Law Number 1 of 1984, and Section 2.4 of the Town of Dryden Local Law Number 2 of 1984 whichever are more stringent or apply at the time of issuance or modification of an industrial discharge permit. Locally derived limitations shall be defined as pretreatment standards under Section 307(d) of the Act and shall not be limited to categorical industrial facilities.
 - (2) Issue industrial discharge permits to all significant industrial users. Industrial discharge permits shall contain limitations, sampling protocols, compliance schedule if appropriate, reporting requirements, and appropriate standard conditions.
 - (3) Maintain and update, as necessary, records identifying the nature, character, and volume of pollutants contributed by significant industrial users. Records shall be maintained in accordance with Part II. 10.3.a.
 - (4) Carry out inspections, surveillance, and monitoring activities on significant industrial users to determine compliance with applicable pretreatment standards. Records shall be maintained in accordance with Part II. 10.3.a.
 - (5) Enforce and obtain remedies for non-compliance by any significant industrial users with applicable pretreatment standards and requirements.

B. Pursuant to 40 CFR 403.5(e), whenever, on the basis of information provided to NYSDEC or the Water Division Director, U.S. Environmental Protection Agency, it has been determined that any source contributes pollutants in the permittee's treatment works in violation of Pretreatment Standards Existing Sources, New Source Pretreatment Standards or National Pretreatment Standards: prohibited discharges, subsections (b), (c) or (d) of Section 307 of the Clean Water Act, respectively, notification shall be provided to the permittee. Failure by the permittee to commence an appropriate investigation and subsequent enforcement action within 30 days of this notification may result in appropriate enforcement action against the source and permittee.

C. Sampling

The permittee shall comply with all sampling requirements contained in this permit.

D. Reporting

All pretreatment reporting requirements shall be submitted to the following offices:

Department of Environmental Conservation
Regional Water Engineer - Region 7
615 Erie Boulevard West
Syracuse, New York 13204-2400

Department of Environmental Conservation
Chief, Compliance Section
Bureau of Wastewater Facilities Operations *water compliance*
50 Wolf Road *625 Broadway* *4th floor*
Albany, New York 12233-0001
3506

Dr. Richard Baker
Permits Administration Branch
Planning & Management Division
USEPA Region II
26 Federal Plaza
New York, New York 10278

Tompkins County Department of Health
"H" Building
1287 Trumansburg Road
Ithaca, New York 14850

E. The permittee shall notify NYSDEC 60 days prior to any major proposed change in sludge disposal method. NYSDEC may require additional pretreatment measures or controls to prevent or abate an interference incident relating to sludge use or disposal.

F. The permittee shall provide to NYSDEC an annual report that briefly describes the permittee's program activities over the previous 12 months. The permittee shall also report on the pretreatment program activities of the Town of Ithaca and the Town of Dryden. The report shall cover the period from March 1 to February 28 or 29. The NYSDEC may modify, without formal notice, this reporting requirement to require less frequent reporting if it is determined that the data in the report does not substantially change from period to period. The report shall be submitted to the above addresses within 28 days of the end of the reporting period and shall include:

(i) An updated industrial survey, as appropriate.

(ii) Results of wastewater sampling at the treatment plant as specified in Part I.

(iii) Status of Program implementation to include:

- (a) Any proposed substantial modifications to the pretreatment program as originally approved by USEPA to include but not be limited to; local limitations, special agreements and staffing and funding updates.
- (b) Any interference, upset or permit violations experienced at the POTW directly attributable to industrial users.
- (c) Listing of significant industrial users issued industrial discharge permits.
- (d) Listing of significant industrial users inspected and/or monitored during the previous reporting period and summary of results.
- (e) Listing of significant industrial users planned for inspection and/or monitoring for the next reporting period along with inspection frequencies.
- (f) Listing of significant industrial users notified of promulgated pretreatment standards, local standards and any applicable requirements under Section 405 of the Act and Subtitle C and D of the Resource Conservation and Recovery Act, as required in 40 CFR Part 403.8(f) (2) (iii).

MONITORING, RECORDING AND REPORTING

a) The permittee shall also refer to the General Conditions (Part II) of this permit for additional information concerning monitoring and reporting requirements and conditions.

b) The monitoring information required by this permit shall be:

Summarized, signed and retained for a period of three years from the date of sampling for subsequent inspection by the Department or its designated agent.

Summarized and reported by submitting completed and signed Discharge Monitoring Report forms once every one month(s) to the locations specified below. Blank forms available at department offices listed below.

The first report will be due no later than EDP + 58 days.

Thereafter, reports shall be submitted no later than the 28th of the following month(s): each month.

Department of Environmental Conservation
Regional Water Engineer, Region 7
615 Erie Boulevard West
Syracuse, New York 13204-2400

Tompkins County Department of Health
"H" Building
1287 Trumansburg Road
Ithaca, New York 14850

Department of Environmental Conservation
Division of Water
50 Wolf Road,
Albany, New York 12233

(Applicable only if checked)

_____, Chief
Permit Administration Branch
Planning & Management Division
USEPA Region II, 26 Federal Plaza
New York, New York 10278

c) If so directed, Monthly Wastewater Treatment Plant Operator's Reports should be submitted to the Regional Engineer and County Health Department or County Environmental Control Agency specified above.

d) Monitoring must be conducted according to test procedures approved under 40 CFR Part 136, unless other test procedures have been specified in this permit.

e) If the permittee monitors any pollutant more frequently than required by the permit, using test procedures approved under 40 CFR 136 or as specified in the permit, the results of this monitoring shall be included in the calculations and recording of the data on the Discharge Monitoring Reports.

f) Calculations for all limitations which require averaging of measurements shall utilize an arithmetic mean unless otherwise specified in this permit.

g) Unless otherwise specified, all information recorded on the Discharge Monitoring Report shall be based upon measurements and sampling carried out during the most recently completed reporting period.

h) On or after April 1, 1984, any laboratory test or sample analysis required by this permit for which the State Commissioner of Health issues certificates of approval pursuant to section five hundred two of the Public Health Law shall be conducted by a laboratory which has been issued a certificate of approval. Inquires regarding laboratory certification should be sent to the Laboratory Certification/Quality Assurance Group, New York State Health Department Center for Laboratories and Research, Division of Environmental Sciences, The Nelson A. Rockefeller Empire State Plaza, Albany, New York 12201.