

-- EXCERPT --

(ARTICLE 12 - New or Modified Sewer Connection Application Program)

**RULES AND REGULATIONS
RELATING TO USE OF THE
BINGHAMTON-JOHNSON CITY
JOINT SEWAGE TREATMENT PLANT**

ISSUED BY:

**THE BINGHAMTON-JOHNSON CITY
JOINT SEWAGE BOARD**

1997

(including amendments approved May 8, 2007; August 28, 2012; September 26, 2012; August 27, 2013; April 14, 2015; and July 13, 2021)

as in effect September 1, 2021

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NEW OR MODIFIED SEWER CONNECTION APPLICATION PROGRAM

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ARTICLE 12

NEW OR MODIFIED SEWER CONNECTION APPLICATION PROGRAM

(Article added by amendment approved August 28, 2012, effective November 1, 2012; as amended September 26, 2012, effective November 1, 2012; as further amended April 14, 2015, effective July 1, 2015)

§12.01 AUTHORITY

The Binghamton-Johnson City Joint Sewage Board (Board), having an approved Flow Management Plan, as required under a series of administrative consent orders by the New York State Department of Environmental Conservation (NYS-DEC) to manage and provide for treatment of wastewater flows, is the local authority for the requirements of and implementation of the New or Modified Sewer Connection Application Program.

§12.02 PURPOSE AND GOALS

The purpose of this Article is to control sewer flow to the Binghamton-Johnson City Joint Sewage Treatment Plant (Treatment Plant), and maintain compliance with the City of Binghamton's and the Village of Johnson City's Combined Sewer Overflows Long-Term Control Plan, as required by the U.S. Environmental Protection Agency (US-EPA).

The New or Modified Sewer Connection Application Program will promote a unified, consistent and coordinated process for evaluating the effects of new or modified sewer connections and assuring that new or modified sewer connections do not result in exceeding the capacity of the sewage collection system.

§12.03 EFFECTIVE DATE

The effective date of this New or Modified Sewer Connection Application Program regulation is January 1, 2013, except that the requirement stated in the first paragraph of Section 12.05.01 shall be satisfied by each Municipal User not later than November 1, 2012.

§12.04 DEFINITIONS

Except as otherwise defined below, technical terms used in this Article shall have the meanings stated in Section 2.01 of Article 2. Whenever used in this Article, the following terms and their corresponding definitions shall apply only in this Article, unless otherwise expressly stated or required by subject matter or context:

(Subparagraph amended April 14, 2015, effective June 1, 2015)

“Affected Owner” shall mean the Owner whose sewage collection system will transport or convey the wastewater from the new or modified sewer connection.

“Applicant” shall mean an entity that requests approval for a new or modified sewer connection and/or sewer extension.

“Area tributary to” – refers to a series of pumping stations, force mains and gravity sewers owned by various municipalities that together convey wastewater to a specific location, such as the Treatment Plant or a combined sewer overflow, in the sewage collection system.

“Available Sewer Capacity” shall be the difference between a sewer pipe’s theoretical full pipe capacity calculated using Manning’s Equation expressed as an hourly flow rate, and the sum of the average hourly wastewater flow in the pipe based on the 2006, 2008 and 2010 flow metering data plus the estimated peak hourly sewage flow rate increase from one or more new or modified sewer connections. The 2006 and 2008 flow metering data was presented in the September 2009 Flow Management Evaluation Report - Appendix C (approved by NYS-DEC in October 2009), and the 2010 flow metering data was presented in the April 2011 Flow Management Process, Collection System Mapping Enhancement and Modeling Study – Section 7 (approved by NYS-DEC in March 2011).
(Subparagraph amended April 14, 2015, effective June 1, 2015)

“Board” or “Joint Sewage Board” shall mean the Binghamton-Johnson City Joint Sewage Board, established under the contract between the City of Binghamton and the Village of Johnson City for the operation of the joint wastewater treatment facility. The term includes any duly authorized designee, agent, or representative of the Board.

“Effective date” shall mean the date upon which an act of legal significance such as an Agreement or a contract is considered to take effect and which may be different from the date upon which the event described therein actually occurs or is recorded.

“Flow Credit Note” shall mean an agreement between the Board and the Applicant that flow credits shall be made available to the Applicant, Developer, or a Municipal User under specific terms.

“Flow Management Plan” is specific to the Third Modification Consent Order (Case #R7-0580-90-12) between the New York State Department of Environmental Conservation (NYS-DEC) and respondents City of Binghamton, Village of Johnson City, and the Binghamton-Johnson City Joint Sewage Board, and refers to the written document approved by the NYS-DEC February 29, 2012. The Flow Management Plan describes a programmatic approach to convey, receive, and treat the wastewater and ensure current and future flows receive adequate treatment.

“Hydraulic and Pollutant Loading Capacity Analysis” refers to comparing [i] the average wastewater flow rate design values expressed as an hourly flow rate and pollutant load design values expressed as an hourly loading of each unit process at the Treatment Plant to [ii] the average daily wastewater flow volume expressed as an hourly flow rate and average daily pollutant loading at the Treatment Plant plus the estimated peak hourly sewage flow rate and estimated peak hourly pollutant load from one or more new or modified sewer connections.

(Subparagraph amended April 14, 2015, effective June 1, 2015)

“/I Offset Flow Credits” shall mean gallons per day of flow capacity available for proposed new or modified sewer connections that are generated through “/I Remediation Projects”.

“I/I Remediation Project”, is an improvement, public work, or repair that reduces infiltration and inflow into the Sewage Collection System.

“Infiltration” shall mean wastewater, other than sewage, that enters a sewage collection system, (including sewer service connections) from the ground through such means as defective pipes, pipe joints, connections, or manholes. Infiltration does not include, and is distinguished from, Inflow.

“Infiltration/Inflow” or “I/I” shall mean the total quantity of water from both Infiltration and Inflow, without distinguishing the source.

“Inflow” shall mean water, other than sewage, that enters a sewage collection system, (including sewer service connections) from sources such as: roof leaders; cellar drains; sump pumps; missing or defective cleanout caps; swimming pools; yard drains; area drains; foundation drains; drains from springs and swampy areas; manhole covers; cross connections between stormwater sewers and sanitary sewers; catch basins; cooling towers; stormwaters; surface runoff; street wash waters; or drainage. Inflow does not include, and is distinguished from, Infiltration.

“Intermediate Municipal User” shall mean the Municipal User whose sewage collection system will transport or convey the new or modified sewage flow from the Principal Municipal User’s sewage collection system to the Affected Owner’s sewage collection system.

“Municipal User” shall mean a municipality or government entity which owns, or has jurisdiction over, any public sewer which conveys wastewater to the Treatment Plant.

“New or Modified Sewer Connection” shall mean the result of construction of either [i] a new sewer connection or [ii] a modified sewer connection.

(Subparagraph amended April 14, 2015, effective June 1, 2015)

“New or Modified Connection Application Program” shall refer to the Board’s Application Program established pursuant to this Article (or, alternatively, these rules and regulations) that will promote a unified, consistent and coordinated process for evaluating the effects of new or modified sewer connections and assuring that new or modified sewer connections do not result in exceeding the capacity of the sewage collection system.

“Peaking Factor”, when used in Article 12 of these rules and regulations, shall mean the ratio of [i] the largest consecutive hourly flow volume of wastewater discharged through a property’s sewer connection during a typical day to [ii] 1/24th of the average daily flow volume of wastewater discharged from the same property, determined using the same volumetric unit of measure for both parts of the ratio.

(Subparagraph added April 14, 2015, effective June 1, 2015)

“Principal Municipal User” shall mean the Municipal User to whose Sewage Collection System the new or modified sewer connection is being made.

“Private Sewer” shall mean a sewer not owned or controlled by a Municipal User, not including lateral sewers.

“Publicly Owned Treatment Works” or POTW shall mean a treatment works as defined by Section 212 of the Federal Clean Water Act (33 USC 1292). This definition includes any directly or indirectly connected sewers and appurtenances that convey wastewater to the wastewater treatment plant, but does not include pipes, sewer laterals or other conveyances serving not more than a single home development not connected directly to the POTW.

“Sewage” shall mean the water-carried domestic human or animal waste from residences, industrial and commercial establishments, together with industrial and commercial waste. Neither infiltration nor inflow are components of “sewage”.

“Sewage Collection System” shall mean all facilities for collecting, regulating, pumping, and transporting, sewage and may include a sanitary sewer system or, where permitted by the NYSDEC, a combined sewer system.

“Sewer Connection Application” shall refer to the form in which the Applicant provides information about the new or modified sewer connection and requests permission to make such connection.

“Sewer District” shall mean a geographic area within the boundaries of a village, town, or city defined and established in accordance with the applicable provisions of New York’s Municipal Home Rule Law, Village Law, Town Law, Second Class Cities Law, and/or County Law for the purpose of collecting and conveying sewage to the Treatment Plant. Within a village, “sewer district” shall also mean the geographic area within the boundaries of the parcels of real property served by a connection to the village’s sewerage system, as established by the board of trustees thereof. The creation, modification, or dissolution of a sewer district itself (i.e., with respect to its geographic area) is outside the coverage of this Article, as is the construction and connection within a sewer district of a “sewer extension” (as defined in this Article) which has been approved by the New York State Department of Environmental Conservation prior to the effective date of this Article, provided such construction is carried-out and connection is made in accordance with the approved plans for such sewer extension.

“Sewer Extension” shall mean any and all sanitary sewer facilities, including sewer pipe and manholes, and any fittings and connections related thereto which are to become part of the POTW and which are anticipated to increase flows in the sewer system by more than 2,500 gallons per day. It shall also include, where applicable, all pumping stations, force mains, and associated facilities.

“Sewer Extension Engineering Report” shall refer to the document that accompanies a Sewer Connection Application in which the Applicant provides information about the new or modified sewer connection and the affected sewage collection system.

“Sewer System Capacity Analysis” refers to comparing the difference between [i] a sewer pipe’s theoretical full pipe capacity calculated using Manning’s Equation expressed as an hourly flow rate and [ii] the sum of the average hourly wastewater flow

in the pipe based on the 2006, 2008 and 2010 flow metering data as presented in the September 2009 Flow Management Evaluation Report - Appendix C (approved by NYS-DEC in October 2009) and the April 2011 Flow Management Process, Collection System Mapping Enhancement and Modeling Study – Section 7 (approved by NYS-DEC in March 2011) plus the estimated peak hourly sewage flow rate increase from one or more new or modified sewer connections.

(Subparagraph amended April 14, 2015, effective June 1, 2015)

“Treatment Plant” shall mean the Binghamton-Johnson City Joint Sewage Treatment Plant.

“Wastewater” is the composite of all flow constituents conveyed in a sewer including sewage and infiltration and inflow.

§12.05 PROGRAM REQUIREMENTS

§12.05.01 SEWER CONNECTION APPLICATION

A Municipal User shall prepare in accordance with the provisions of this Article (or, alternatively, these rules and regulations) a Sewer Connection Application form that is required to be completed by an Applicant and approved by the Municipal User (as well as other agencies, as set forth in this Article as well as applicable laws and regulations) before a new or modified sewer connection can be made to the POTW. The first two pages of the Sewer Connection Application shall be in the form attached to this Article as Appendix A. If a Municipal User requires additional information from Applicants in order to act on an application to make a new or modified sewer connection to its Sewage Collection System, the Municipal User shall design its Sewer Connection Application form so that such additional information appears on supplemental pages appearing after the second page of the Sewer Connection Application form. Each Municipal User shall file a specimen copy of its Sewer Connection Application form with the Board not later than November 1, 2012 and, if modified, not later than 10 business days after the modification is approved by the Municipal User.

(NOTE: Appendix A [Sewer Connection Application] was revised April 14, 2015, effective July 1, 2015)

In order to be considered fully completed, the Sewer Connection Application shall state in the blanks designated the Applicant’s name, street address (and, if different, mailing address), telephone number, FAX number (or “NONE” if the Applicant does not have a FAX number), e-mail address (or “NONE” if the Applicant does not have an e-mail account), the street address at which the proposed project covered by the application is located, a parcel ID number (i.e., tax map number), the I/I Remediation Basin in which the proposed project is located (determined using the I/I Remediation Basin Map – Figure 13.05-1 of Article 13), the estimated date for completion or occupancy of the new or modification development construction, and an estimate of the pre-construction/modification average daily flow volume (which includes the daily peak hourly sewage flow rate) and post-construction/modification average daily flow volume (which includes the daily peak hourly sewage flow rate). Average daily flow volume estimates and computations shall be certified as correct. The Applicant may certify estimates and

computations for new or modified sewer connections adding up to and including 2,500 gallons per day additional average daily flow volume. For new or modified sewer connections adding more than 2,500 gallons per day average daily flow volume, a Professional Engineer licensed to practice in New York State must certify the estimates and computations.

(Subparagraph amended April 14, 2015, effective July 1, 2015)

Additionally, if a new sewer connection or modification results in new average daily flow volume of more than 2,500 gallons per day, then said connection or modification constitutes a Sewer Extension and the application requires an accompanying Sewer Extension Engineering Report, approval from the Affected Owner, Board and, if the sewage discharge from the proposed project must flow through the sewer collection system of another Municipal User to reach the sewer collection system of the Affected Owner, an Intermediate Municipal User (refer to Section 12.05.05 - New or Modified Sewer Connection [Greater Than 2,500 Gallons per Day]). In order to be considered fully completed, the Sewer Connection Application for a Sewer Extension shall also state in the places designated the method in which the Applicant proposes to meet the requirements of the Infiltration/Inflow Offset Program (Article 13 of these rules and regulations).

(Subparagraph amended April 14, 2015, effective July 1, 2015)

Other applications or documents or fees may apply to developing a property and supplying the property with utilities with respect to applicable local, county or state laws.

This Article pertains only to new or modified sewer connections to the Sewage Collection System in any sewer district or area tributary to the Treatment Plant and the required Sewer Connection Application.

Not later than 90 days after these amendments to the regulations become effective, each Municipal User shall modify its application form[s] and within 10 business days following modification submit a specimen copy of each form to the Board. A Municipal User may begin using its modified application form[s] 10 business days following submission of the specimen copy to the Board.

(Subparagraph added April 14, 2015, effective July 1, 2015)

§12.05.02 SEWER EXTENSION ENGINEERING REPORT

If the Sewer Connection Application is for an increase in average daily flow volume to the Treatment Plant of more than 2,500 gallons per day, then the application must be accompanied by a Sewer Extension Engineering Report. The Sewer Extension

(continues on the next page)

Engineering Report shall include:

(Subtitle and subparagraph amended April 14, 2015, effective July 1, 2015)

1. Development location and description.
2. Existing Site description, including existing sewage flow to the POTW, if any.
3. Description of proposed new or modified Private Sewer.
4. (if applicable) Proposed new or modified POTW (sewers or treatment plant), alternatives, financing and permits.
5. Anticipated sewage volume/flow in gallons per day (to be used for a computation of the minimum-required I/I Offset Flow Credits under this Program) and Pollutant Load Generation to POTW.
6. Existing Sewer System Capacity Analysis.
7. Listing of all applicable permits.
8. Plan and Program for construction supervision and sewer testing.

The Sewer Extension Engineering Report shall be prepared and certified by a New York State Licensed Professional Engineer. The Sewer Extension Engineering Report shall include a Sewer System Capacity Analysis of the Municipal User's and (if applicable) the Intermediate Municipal User's sewage collection system from the point of the new or modified sewer connection to the Affected Owner's sewage collection system. The Sewer Connection Engineering Report must certify that there is available sewer capacity or make provisions for providing available sewer capacity before submitting the Sewer Connection Application and Report for approval.

§12.05.03 NEW OR MODIFIED SEWER CONNECTION SEWAGE FLOW RATES

Determining the sewage flow rates of new or modified sewer connections to the POTW shall follow the guidelines shown on Table 12.05.03-1. Residential, commercial, restaurants, industrial, and other flows are based on the "Design Standards for Wastewater Treatment Works", 1988 edition as published by NYSDEC or future revisions or republications of the same (such revisions or republications shall only be applicable prospectively, however, beginning with respect to applications submitted on or after the first day of the month which is at least 90 days following the public release of the final version of the revision or republication). For industrial and other facilities not listed in the Table 12.05.03-1, the sewage flow rates will be determined at the time of application by the Applicant based on similar type and size of business. Sewage flow rates shall be computed by a New York State Licensed Professional Engineer and are subject to approval by the Board.

(Subparagraph amended April 14, 2015, effective July 1, 2015)

(NOTE: Table 12.05.03-1 [New Development Sewage Flow Rates] was also revised April 14, 2015, effective July 1, 2015)

(continues with Section 12.05.04 following Table 12.05.03-1 [appearing on the next four pages])

TABLE 12.05.03-1: NEW DEVELOPMENT SEWAGE FLOW RATES (footnotes appear following the end of Table)

(Table B-3 of the *Design Standards for Intermediate-Sized Wastewater Treatment Systems*, 2014 edition as released by the New York State Department of Environmental Conservation March 5, 2014 [see, pages B-16ff at: <http://www.dec.ny.gov/docs/water_pdf/2014designstd.pdf>] is, in its entirety, applicable to Section 12.05.03 of these regulations. As a convenience, the following chart presents a summary of the most common sources of flow from Table B-3. *In the event that there is any difference or conflict between Table B-3 and this Table 12.05.03-1, however, the provisions of Table B-3 shall be controlling.*)

| Source of Flow | Flow Rate to be Added to the POTW ⁽¹⁾ | Reference |
|--|---|--|
| Single-Family Residences and Residential-Style Group Homes | per Bedroom - 110 / 130 / 150 ⁽²⁾ gal/day, <u>plus</u> , add 150 gal/day per house with garbage grinder, <u>plus</u> , add 15 gal/day per non-resident employee (<i>Group Homes only</i>) | <i>Design Standards for Intermediate-Sized Wastewater Treatment Systems</i> , 2014 edition as published by the NYSDEC ⁽³⁾ |
| Apartments, Multiple Dwellings, and Assisted Living Facilities/Complexes | per Bedroom - 110 / 130 / 150 ⁽²⁾ gal/day, <u>plus</u> , add 15 gal/day per non-resident employee per shift (<i>if any</i>), <u>plus</u> , add 10 gal/day per in-room kitchen (<i>Assisted Living only</i>) | <i>Design Standards for Intermediate-Sized Wastewater Treatment Systems</i> , 2014 edition as published by the NYSDEC ⁽³⁾ |
| Mobile Home Parks | per “Single-Wide” Home / pad - 220 gal/day, and/or per “Double-Wide” Home / pad - 330 gal/day, <u>plus</u> , add 15 gal/day per non-resident employee per shift (<i>if any</i>) | <i>Design Standards for Intermediate-Sized Wastewater Treatment Systems</i> , 2014 edition as published by the NYSDEC ⁽³⁾ |
| Hotels, Motels, and Bed & Breakfast Establishments | per Sleeping Unit - 110 / 130 / 150 ⁽²⁾ gal/day, <u>plus</u> , add 10 gal/day per in-room kitchen (<i>if any</i>), <u>plus</u> , add 20 gal/day per in-room Jacuzzi [®] /spa (<i>if any</i>), <u>plus</u> , add 15 gal/day per non-resident employee per shift (<i>if any</i>), <u>plus</u> , add for on-site food service, <i>if any (see, Restaurants, below)</i> | <i>Design Standards for Intermediate-Sized Wastewater Treatment Systems</i> , 2014 edition as published by the NYSDEC ⁽³⁾ |
| Hospitals and Nursing Homes | per Bed - 175 gal/day, <u>plus</u> , add 30 gal/day per outpatient or “day habilitation” patient served, <u>plus</u> , add 15 gal/day per employee per shift (<i>if any</i>), <u>plus</u> , add for on-site food service, <i>if any (see, Restaurants, below)</i> | <i>Design Standards for Intermediate-Sized Wastewater Treatment Systems</i> , 2014 edition as published by the NYSDEC ⁽³⁾ |
| Day Care | per Child served - 20 gal/day, <u>plus</u> , add 15 gal/day per non-resident employee per shift (<i>if any</i>), <u>plus</u> , add for on-site food service, <i>if any (see, Restaurants, below)</i> | <i>Design Standards for Intermediate-Sized Wastewater Treatment Systems</i> , 2014 edition as published by the NYSDEC ⁽³⁾ |
| Kennel and/or Pet Grooming | per Kennel / Run / Cage - 50 gal/day, <u>plus</u> , add 15 gal/day per employee per shift (<i>if any</i>), <u>plus</u> , add 500 gal/day per pet grooming station (<i>if any</i>) | <i>Design Standards for Intermediate-Sized Wastewater Treatment Systems</i> , 2014 edition as published by the NYSDEC ⁽³⁾ |
| Doctor’s, Dentist’s, or Veterinarian’s Offices | per Doctor [<i>non-Dentist</i>], or per Dental Care Chair - 250 gal/day, and/or per Veterinarian - 200 gal/day, <u>plus</u> , add 15 gal/day per non-doctor/dentist/vet. employee per shift (<i>if any</i>) | <i>Design Standards for Intermediate-Sized Wastewater Treatment Systems</i> , 2014 edition as published by the NYSDEC ⁽³⁾ |
| Laundromat | per Washing Machine – 580 gal/day, <u>plus</u> , add 15 gal/day per employee per shift (<i>if any</i>) | <i>Design Standards for Intermediate-Sized Wastewater Treatment Systems</i> , 2014 edition as published by the NYSDEC ⁽³⁾ |
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| Source of Flow | Flow Rate to be Added to the POTW ⁽¹⁾ | Reference |
| Arena, Assembly Hall, Auditorium, Concert Hall, or Theater | per Seat - 5 gal/day, <u>plus</u> , add 15 gal/day per employee per shift, <u>plus</u> , add for on-site food service, <i>if any</i> (see, Restaurants, below) | <i>Design Standards for Intermediate-Sized Wastewater Treatment Systems</i> , 2014 edition as published by the NYSDEC ⁽³⁾ |
| Banquet Hall and/or Catering Hall | per Seat - 10 gal/day, <u>plus</u> , add 15 gal/day per employee per shift, <u>plus</u> , add 150 gal/day per garbage grinder (or, if large, separately evaluate) | <i>Design Standards for Intermediate-Sized Wastewater Treatment Systems</i> , 2014 edition as published by the NYSDEC ⁽³⁾ |
| Office Buildings | per Employee per shift - 15 gal/day, <u>plus</u> , add 5 gal/day per shower unit (<i>if any</i>), <u>plus</u> , add for on-site food service, <i>if any</i> (see, Restaurants, below) | <i>Design Standards for Intermediate-Sized Wastewater Treatment Systems</i> , 2014 edition as published by the NYSDEC ⁽³⁾ |
| Discount Stores, Dept. Stores, Grocery Stores, Merchandise Clubs, Retail Stores, and Shopping Centers | per square foot - 0.1 gal/day, <u>plus</u> , add 15 gal/day per employee per shift, <u>plus</u> , add for on-site food service, <i>if any</i> (see, Restaurants, below), <u>plus</u> , add for on-site bakery, butcher, and/or deli, <i>if any</i> , based on similar industry type and size as well as proposed operations | <i>Design Standards for Intermediate-Sized Wastewater Treatment Systems</i> , 2014 edition as published by the NYSDEC ⁽³⁾ |
| Convenience Stores and/or Service Stations | per toilet - 400 gal/day, <u>plus</u> , add 15 gal/day per employee per shift, <u>plus</u> , add for on-site food service, <i>if any</i> (see, Restaurants, below) | <i>Design Standards for Intermediate-Sized Wastewater Treatment Systems</i> , 2014 edition as published by the NYSDEC ⁽³⁾ |
| Factories and/or Distribution Warehouses | per Employee per shift - 15 gal/day, <u>plus</u> , add 10 gal/day per shower unit (<i>if any</i>), <u>plus</u> , add for on-site food service, <i>if any</i> (see, Restaurants, below), <u>plus</u> , add for process water use, <i>if any</i> (see, Industrial Facilities, below) | <i>Design Standards for Intermediate-Sized Wastewater Treatment Systems</i> , 2014 edition as published by the NYSDEC ⁽³⁾ |
| Restaurants | Dine-In Cook-to-Order Restaurant (not 24-hour) - 35 gal/day per seat; Fast Food Restaurant (not 24-hour) - 25 gal/day per seat, <u>plus</u> 500 gal/day per drive-up window; <i>if 24-Hour Restaurant</i> - use 50 gal/day per seat <u>instead</u> of number above; Buffet/Cafeteria - pro-rate based on hours of service <i>-versus-</i> 24-Hour Restaurant, <i>above</i> ; Restaurant in Proximity to Freeway Exit - 75 gal/day per seat, <u>plus</u> 500 gal/day per drive-up window; Drive-In Restaurant - 25 gal/day per car space; Tavern/Bar/Lounge - 20 gal/day per seat, <u>plus</u> , for all restaurants, add 15 gal/day per employee per shift, <u>plus</u> , add 150 gal/day per garbage grinder (or, if large, separately evaluate) | <i>Design Standards for Intermediate-Sized Wastewater Treatment Systems</i> , 2014 edition as published by the NYSDEC ⁽³⁾ |
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| Source of Flow | Flow Rate to be Added to the POTW ⁽¹⁾ | Reference |
| Industrial Facilities | To be determined at the time of application based on similar industry type and size as well as proposed operations | |
| Other sources (such as Barber Shops, Beauty Salons, Campgrounds, Churches, Fire Halls, Fitness Centers, Gyms, Health Clubs, Libraries, Parks, Prisons, Recreational Facilities, Schools, Transportation Terminals, etc.) | If listed therein, to be determined at the time of application based on Table B-3 in the <i>Design Standards for Intermediate-Sized Wastewater Treatment Systems</i> , 2014 edition as published by the NYSDEC ⁽³⁾ ; <i>see</i> , pages B-16ff of http://www.dec.ny.gov/docs/water_pdf/2014designstd.pdf or, if not listed, to be determined based on similar business type and size | |

Footnotes -

- (1) The *Design Standards for Intermediate-Sized Wastewater Treatment Systems*, 2014 edition as published by NYSDEC allow for the following:
- a. “**Typical Per-Unit Hydraulic Loading Rates**” based on Table B-3 (*common sources from which are summarized above*) in the *Design Standards for Intermediate-Sized Wastewater Treatment Systems*, 2014 edition as published by the NYSDEC. For other less frequent sources, refer to full Table B-3 at pages B-16ff of URL: http://www.dec.ny.gov/docs/water_pdf/2014designstd.pdf. When a development includes several types of uses from the Table, each use shall be computed separately. Except for the 110/130/150 ⁽²⁾ gal/day per unit values, the per-unit hydraulic loading rates, *above* and in Table B-3, may be reduced by 20% if certified water saving plumbing fixtures are used in the development. A combination of low-flow, medium-flow, and high-flow fixtures can also be considered on a *pro-rata* basis when supported with engineering calculations. Expected hydraulic loading rates (flow rates) based on new/alternative technologies will be considered on a case-by-case basis.
 - b. “**Actual Measured Wastewater Flow Data**” for a minimum of one year collected during similar operational conditions. For further information, *see* Method 2 under B.6.b (Design Flow) on pages B-15 to B-16 of the *Design Standards for Intermediate-Sized Wastewater Treatment Systems*, 2014 edition as published by the NYSDEC accessible at URL: http://www.dec.ny.gov/docs/water_pdf/2014designstd.pdf.
 - c. “**Actual Measured Water Usage Data**” for a minimum of one year collected during similar operational conditions. For further information, *see* Method 3 under B.6.b (Design Flow) on page B-16 of the *Design Standards for Intermediate-Sized Wastewater Treatment Systems*, 2014 edition as published by the NYSDEC accessible at URL: http://www.dec.ny.gov/docs/water_pdf/2014designstd.pdf.
- (2) 110 gpd for post-1994 plumbing code fixtures; 130 gpd for post-1979 through pre-1995 fixtures; and 150 gpd for pre-1980 fixtures. Homes over 1,000 gpd, community systems, or lodging establishments with medium-flow or high-flow fixtures must account for their higher peak flow periods.
- (3) In the event that NYSDEC amends its 2014 edition, the amended edition shall govern prospectively only, with respect to applications submitted on or after the first day of the month which is at least 90 days following the public release of the final version of the amendment.

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§12.05.04 NEW OR MODIFIED SEWER CONNECTION (LESS THAN OR EQUAL TO 2,500 GALLONS PER DAY)

(a) The Applicant shall submit a Sewer Connection Application to:

1. Principal Municipal User
2. Intermediate Municipal User
3. Affected Owner
4. Board
5. Other Governing Agencies (if applicable)

(b) Other applications or documents or fees may apply to developing a property and supplying the property with utilities. This Article pertains only to new or modified sewer connections to the Sewage Collection System in any sewer district or area tributary to the Treatment Plant and the required Sewer Connection Application.

(c) Upon approval of the Sewer Connection Application by the Principal Municipal User and other Governing Agencies (if applicable), the Applicant can proceed with the new or modified sewer connection.

§12.05.05 NEW OR MODIFIED SEWER CONNECTION (GREATER THAN 2,500 GALLONS PER DAY)

(a) The Applicant shall submit a Sewer Connection Application and Sewer Connection Engineering Report to:

1. Principal Municipal User
2. Intermediate Municipal User
3. Affected Owner
4. Board
5. Other Governing Agencies (if applicable)

(b) A Principal Municipal User can be an Owner or an Outside User to whose Sewage Collection System the new or modified sewer connection is being made. The Principal Municipal User is obligated to disapprove a new or modified sewer connection if such action is required for reasons set forth in the local ordinances or if the flows associated with the new or modified sewer connection will exceed the capacity of the Principal Municipal User's Sewage Collection System.

(c) Upon approval of the Sewer Connection Application and Sewer Connection Engineering Report by the Principal Municipal User and (if applicable) the Intermediate Municipal User, the Applicant shall submit the Application and Report to the Affected Owner and Board.

(d) The Affected Owner shall perform a Sewer Capacity Analysis from the point of the Outside User's connection to the Treatment Plant.

(e) The Affected Owner shall Approve or Approve-with-Conditions the Application based on the Sewer Capacity Analysis limited to conditions required to protect the collection system. Certification of available sewer capacity or provisions for providing available sewer capacity shall be part of the Affected Owner's approval.

(f) The Affected Owner shall send the "Approved" or "Approved-with-Conditions" Sewer Connection Application to the Applicant, Municipal User(s) and Board within 45 days of receiving the Sewer Connection Application and Sewer Connection Engineering Report.

(g) The Board may begin the Capacity Analysis immediately upon receiving the Sewer Connection Application and Sewer Connection Engineering Report from the Applicant or wait until receipt of the "approval" notice from the affected Owner.

(h) The Board shall perform Hydraulic and Pollutant Loading Capacity Analysis at the Treatment Plant.

(i) The Board shall Approve or Approve-with-Conditions the Application based on the Hydraulic and Pollutant Loading Capacity Analysis limited to conditions required to protect the collection system, TPS and Plant. Certification of available sewer capacity or provisions for providing available sewer capacity shall be part of the Board's approval.

(j) The Board shall send the "Approved" or "Approved-with-Conditions" Sewer Connection Application to the Applicant, Municipal User(s) and Affected Owner within 45 days of receiving the "approved" Sewer Connection Application from the Affected Owner, with the Board's approval being contingent upon issuance of Flow Credit Note (refer to Article 13 – I/I Offset Program).

(k) Other applications or documents or fees may apply to developing a property and supplying the property with utilities. This Article pertains only to new or modified sewer connections to the Sewage Collection System in any sewer district or area tributary to the Treatment Plant and the required Sewer Connection Application and Sewer Connection Engineering Report.

(l) The Applicant can begin New/Modified Sewer Connection work upon receiving an

“approved” Sewer Connection Application from:

1. Principal Municipal User
2. Intermediate Municipal User
3. Affected Owner
4. Board
5. Other Governing Agencies (if applicable)

AND

upon receiving a Flow Credit Note (refer to Article 13 – I/I Offset Program).

§12.06 ADMINISTRATIVE PROCEDURES

The provisions of Article IV of the Joint Sewage Treatment Plant Law and Article 3 of the Joint Sewage Treatment Plant Law Rules and Regulations shall govern all matters involving proceedings pursuant to this Article.

(Article added by amendment approved August 28, 2012, effective November 1, 2012; as amended September 26, 2012, as amended September 26, 2012, effective November 1, 2012; further amended, as noted, April 14, 2015, effective July 1, 2015)

(Appendix A [Sewer Connection Application], ff, revised April 14, 2015, effective July 1, 2015)

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APPENDIX A – APPLICATION FOR NEW/MODIFIED SEWER CONNECTION PERMIT

[version 2.0 (07/01/2015)]

**BINGHAMTON – JOHNSON CITY JOINT SEWAGE BOARD
APPLICATION FOR NEW OR MODIFIED SEWER CONNECTION PERMIT**

1. Applicant

Name _____ Telephone[s] _____

Street Address (and, if different, Mailing Address) _____ Fax (or "NONE" if no Fax #) _____

_____ e-mail (or "NONE" if no e-mail)

2. Project Location

Address _____ Parcel ID No. (i.e., Tax Map No.) _____

3. Estimated Date for Completion and/or Occupancy

_____ Date

I/I Remediation Basin
see, < BgmJC-I-I-Remediation Basin Map>, page 13-19

PRELIMINARY QUESTION: Does the Project covered by this Application involve the making of a physical change at the point of connection to a publicly-owned sewer pipe? (check one) **YES** **NO**

If "NO", **STOP:** you are **not** required to complete the rest of this form. Please sign and date below, and submit.
(Please note: your municipality may require you to complete other forms and/or obtain other permits)

FLOW & FEE/CREDIT WORKSHEET (attach a **Sewer Extension Engineering Report** if more than +2,500 gpd net average daily flow volume change)

PART I

| Source of Flow (check all that apply) | Average Daily Unit Flow Volume (gpd) | No. of Units | Resulting Change in Average Daily Flow Volume (gpd) |
|--|---|----------------|--|
| ___ Pre-Application Flow (if applicable) | _____ | _____ | - _____ (^ reduction, if any) |
| ___ Residential (people) | _____ | X _____ | = _____ |
| ___ Commercial/Office Bldg (employees) | _____ | X _____ | = _____ |
| ___ Restaurant (employees + seats) | _____ | X _____ | = _____ |
| ___ Industrial or Other Source -----> (Stores, Motels and Hotels, Recreational Facilities, etc.) | _____ | X _____ | = _____ |
| | <i>Flow rate to be determined based on accepted standards for similar industry or business type and size. -----></i> | | |

PART I data/computations certified correct by: _____
printed name and title: _____
(the Applicant may certify ≤ 2,500 gpd; a Professional Engineer **must** certify > 2,500 gpd)

**TOTAL
NET
CHANGE**

PART II (check A or B) -- ONLY APPLICABLE IF TOTAL NET "RESULTING CHANGE IN AVERAGE DAILY FLOW VOLUME" EXCEEDS A POSITIVE 2,500 gpd

- ___ A. Purchase/Acquire Flow Credits ("Fees in Lieu of Mitigation") **Yes** or **No**
- ___ B. Earn Flow Credits (I/I Remediation Agreement for Developers/Builders only) **Yes** or **No**
Applicant agrees to carry-out or fund acceptable I/I Remediation Project(s) under the terms and conditions of the I/I Offset Program to earn flow credits by the time new/modified sewer construction is certified as complete.

BY SIGNING BELOW, THE UNDERSIGNED ATTESTS ON BEHALF OF THE APPLICANT THAT THE INFORMATION PROVIDED ABOVE IS TRUE AND COMPLETE TO THE BEST OF THE APPLICANT'S KNOWLEDGE AND BELIEF.

Applicant Signature _____ (print name and title of person signing below)

_____ Date

**BINGHAMTON – JOHNSON CITY JOINT SEWAGE BOARD
APPLICATION FOR NEW OR MODIFIED SEWER CONNECTION PERMIT
(continued)**

PRINCIPAL MUNICIPAL USER PERMIT APPROVAL/APPROVAL-with-CONDITIONS/DISAPPROVED

A new or modified sewer connection for this Applicant has been granted **Approval** or **Approval-with-Conditions** or is **Disapproved**
(^ circle the one that applies and strike the ones that do not apply)

Municipality in Which Parcel is Located

Notes for Condition(s) (if any)

Name and Title (printed):

Signature

Date

**INTERMEDIATE MUNICIPAL USER PERMIT APPROVAL/APPROVAL-with-CONDITIONS
(IF APPLICABLE)**

A new or modified sewer connection for this Applicant has been granted **Approval** or **Approval-with-Conditions**
(^ circle the one that applies and strike the one that does not apply)

Municipality Affected by Connection (if applicable)

Notes for Condition(s) (if any)

Name and Title (printed):

Signature

Date

AFFECTED OWNER PERMIT APPROVAL/APPROVAL-with-CONDITIONS

A new or modified sewer connection for this Applicant has been granted **Approval** or **Approval-with-Conditions**
(^ circle the one that applies and strike the one that does not apply)

Municipality Owning CSO

Notes for Condition(s) (if any)

Name and Title (printed):

Signature

Date

JOINT SEWAGE BOARD PERMIT CONTINGENT APPROVAL/APPROVAL-with-CONDITIONS

Contingent Approval or **Approval-with-Conditions** of a new or modified sewer connection for this Applicant. New or modified sewer connection permit approved contingent upon the issuance of a Flow Credit Note for _____ gpd Flow Credits.
(^ circle the one that applies and strike the one that does not apply)

Municipality Affected by Connection (if applicable)

Notes for Condition(s) (if any)

Name and Title (printed):

Signature

Date