

# Wastewater System Profile

## General System Description

New Hartford fully updated its wastewater treatment facility (WWTF) in 2010 to a state-of-the-art automated SBR operation, with a design capacity of 400,000 GPD. That update included the introduction of automated screens at the head-end; installation of a grit chamber; all new interplant piping; fabrication of (3) new concrete SBR chambers – each of a 133,000 gallon capacity; equalization tanks; state of the art filtration and ultraviolet disinfection processing equipment. The WWTF was also outfitted with an odor control system and septage-receiving tanks. Included in the project was the construction of a new lab facilities/administration building and a centralized control room for the automated computer systems controlling the Plant, along with a new diesel generator to run the entire plant during electrical outages. All pumps and control valves were installed new. New Hartford rehabilitated the former Plant Administration building, turning it into a parts storage and workbench area. The WWTF is a Class three-rated facility.

Financing for the upgrade was secured by a combination of USDA Loan/Grant and a Clean Water Grant. The obligation of the USDA note of \$3,069,037 (as of January 1, 2020) matures on September 15, 2040. A cash-flow loan in the amount of \$130,000 (\$61,750 outstanding balance remaining as of January 1, 2020) is also due to the Town of New Hartford by 2024.

## Collection System

New Hartford has (4) tributary sewer trunk feeder lines totaling more than 14,600 feet of main of various sizes, ages and conditions. The first of New Hartford's sewer lines were originally installed in 1969 to collect effluent from the Loomis Heights area; the Farmington River trunk collects from the East side of Rt. 44 and the Westerly side of Main Street; the Brook Street connector pulls in portions of Steele Road and High Street. All mains intersect at the Pumping Station at the intersection of Rt. 44 and Rt. 219. The Jones Mountain Trunk Line from here proceeds along the old railroad right-of-way (along Rt. 44 and then behind Church Street in the Pine Meadow section and again along Rt. 44) and terminates at the WWTF approximately 7350 feet from the pumping station located at the intersection of Rt.44 & Rt. 219. A separate sewer main directly connects to the WWTF from the River Run Condominium Complex.

The collection system has not been assessed for its overall condition and has been subject to repairs and replacement as noted in the records of the WPCA remedial reports, which are available for inspection. The collection system is constructed of

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cast iron, asbestos cement, reinforced concrete, vitrified clay and PVC piping. Upgrades have been completed on the Brook Street section and two sections of Main Street. In 2015 a video inspection of the Jones Mountain Trunk was executed. The trunk line was deemed to be in “good condition.” That inspection is available for review.

## **Operations**

The WPCA currently outsources the operations of the wastewater facilities. The operation of the WWTF, collection system and three (3) pumping stations are managed by Aquarion Water Company for an annual fee of \$209,316 (does not include repairs and routine maintenance) under terms of an Agreement being executed on a month to month basis with (90) day notice of cancellation.

## **User Community**

The current number of wastewater users stands at (326) users, which is not to be confused with the “equivalent dwelling units”. For example: The largest complement of Users, represented by River Run Condominiums, is one customer with an equivalent 124 dwelling units. An estimated (30) potential users have yet to be served with “a notice to connect.” A Planning Analysis has been completed to determine the feasibility to extend the sewer collection system into the Cottage Street area and the Pine Meadow sections of New Hartford. A formal study for extension of the sewer line to the Pine Meadow section is under review by DEEP.

## **Financial Information & Other Recorded Data**

The Town’s Annual Report of the WPCA operations, audited financial statements its balance sheet and cash-flow, for the period ending FY 2001-2019 is available for review at Town Hall.

In addition to the above, Rules & Regulations for the wastewater system, sewer maps, daily monitoring reports to the CT DEEP, the NPDES Permit, operations and maintenance manuals, incident reports, pump station logs, and equipment logs are available for inspection at Town Hall.