

# Village of Trumansburg

## Clean Water System

February 27, 2013

Debbie Watkins, Commissioner of DPW

# GOAL

- ▶ Enhancement of the performance of the existing waste water facility

# 2012

- ▶ 2012 DEC reports passing grades
  - Problem areas Identified
    - Inflow and Infiltration (I&I) into the sewer system has caused periodic excessive flow to the plant, leading to treatment challenges during wet weather conditions
    - Fecal coliform counts within the plant were met
    - Periodic fecal coliform counts exceeded outside the plant

# Actions Taken

- ▶ Smoke testing for identification of Infiltration Inflow
  - Congress to Bradley to American
  - McLellan Street to Seneca Road
  - Tamarack, Larchmont
    - Only issue identified on Congress Street and repaired last October
- ▶ Eliminated bypass from headworks around plant (eliminated bypass of raw sewage)
- ▶ Eliminated bypass from final clarifier and Installed a new bypass to maintain flow through UV system at all times (continuous disinfection)
- ▶ UV sleeves changed and bulbs cleaned

# 2013

- ▶ 2013 DEC reports passing grades / initiates compliance schedule with new SPDES permit
  - Decreased limits for Ammonia to stream
  - Additional proactive enforcement requiring:
    - 5 / 13 Provide work plan
    - 5 / 13 Professional engineer to be hired
    - 11 / 13 Engineering report, plans and specifications for Identified improvement / enhancement
  - **DEC approves engineering report**
    - Plus 12 months – construction begins
    - Plus 24 months – construction completes

# Actions In Progress

- ▶ Small amounts of chlorine being added prior to sand filtration to improve performance of filters and enhance disinfection
  - ▶ Measurements being taken at the outflow as opposed internal to plant
  - ▶ Continued smoke testing and further I&I investigation for village to reduce high flows
  - ▶ MRB engineering is engaged, plan to evaluate UV disinfection, post filtration system, and overall plant condition.
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