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# Jenkinsville Area Assessment

## Community Information Meeting

April 19, 2021

# Agenda

- Introductions of DEC/DOH Staff
- Overview of DEC's statewide Inactive Landfill Initiative
- Landfill Sampling
  - Finch Paper, McLaughlin, and Ciba-Geigy, Queensbury Town Landfill
- Private Well Sampling
- Keeping the Community Informed
- Q & A



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# Jenkinsville Area Landfills

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Queensbury Landfills

Inactive Landfill Initiative

# Inactive Landfill Initiative Overview and Landfill Investigations

# Inactive Landfill Initiative

## ***Clean Water Infrastructure Act of 2017 – Article 27, Title 12***

New York State law established a program to investigate and remediate inactive solid waste sites with the potential to impact drinking water supplies.

### **NYS Objective**

To investigate, mitigate, and remediate any solid waste site causing or substantially contributing to impairments of drinking water quality which may impact public health.

### **Results**

The Initiative is being implemented by DEC in partnership with the State Department of Health (DOH)  
Investigation developed with focus on emerging contaminants:

- PFAS (per- and polyfluoroalkyl substances)
- 1,4-Dioxane
- Additional parameters



# Inactive Landfill Initiative Goals

- 1) Create an inventory of all inactive landfills in NYS (1950+ sites identified)
- 2) Inspect and rank all identified landfills
- 3) Prioritize and investigate landfills (highest-ranked first) (Queensbury Landfill was prioritized for sampling in 2020)
  - Landfill groundwater investigated via sampling and analysis for concentrations of:
    - PFAS
    - volatile/semi-volatile organic compounds (VOC/SVOC's)
    - polynuclear aromatic hydrocarbons (PAH's)
    - 1,4-dioxane
    - Inorganics (metals)
- 4) If investigation samples indicate groundwater concentrations are above New York State's stringent Maximum Contaminant Levels (MCL) for drinking water develop 'focus list' of potential receptors, private and public water supply wells
- 5) Sample focus list drinking water supply wells
- 6) Take action to prevent public exposure to identified contamination by providing alternative drinking water
- 7) Based on investigation results, conduct additional site investigations



# Drinking Water Protection: Focus List Development

- Identify downgradient drinking water wells within  $\frac{1}{4}$  mile of site
  - Residential drinking water wells
  - Public water supply (PWS) wells
- Additional receptor wells identified when site conditions warrant
  - Cross gradient / Up-gradient wells
  - Wells greater than  $\frac{1}{4}$  mile from site
- Focus lists reviewed by NYSDOH and NYSDEC
- Outreach to public water providers and/or property owners to request information or access to investigate drinking water sources
  - Letter mailings
  - Hangtags



# Jenkinsville Assessment Area: Landfill Investigations

- Nearby landfills to be investigated
  - Town of Queensbury – sampled January 2020 (more information to follow)
  - Finch Paper – sampled monitoring wells 4/1/21-4/6/21
  - McLaughlin – installed 5 monitoring wells 4/5/21; sampling planned week of 4/26/21
  - Ciba-Geigy / Hercules – monitoring well sampling planned week of 4/26/21
- Objectives / Possible Outcomes
  - Assess potential contributions from individual landfills (above) to groundwater contamination
  - Determine if additional private wells should be sampled
  - Help inform DEC and DOH's evaluation of potential mitigation/remediation actions to ensure protection of public health and the environment
  - Increase understanding of groundwater flow in area



# Jenkinsville Assessment Area: Queensbury Landfill

- Sampled in 2020 as part of Inactive Landfill Initiative investigations
- Based on ILI results
  - Onsite monitoring wells showed presence of contamination
  - Identified as a *potential* state Superfund site (“P site”)
- Requires Investigation to determine if the landfill is a source of uncontrolled contamination
- Perform Site Characterization (SC)
  - Records Search
  - Sampling/Surveys
  - Groundwater Monitoring
  - Evaluation of Data



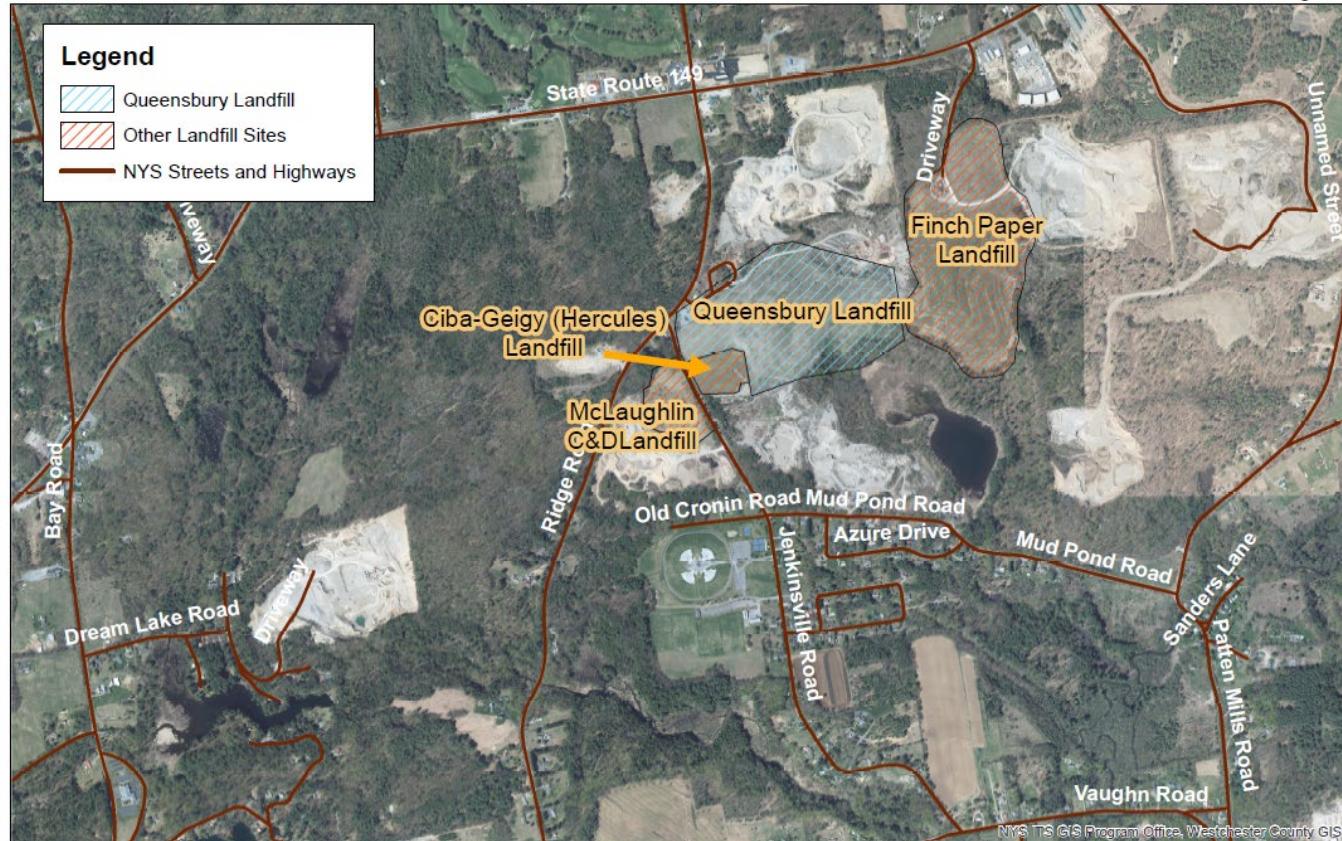
# Jenkinsville Assessment Area: Queensbury Landfill

Possible outcomes of Site Characterization:

- If landfill is source of contamination to the environment, including in private wells:
  - Remedial investigation required
    - Determines nature and extent of the contamination
    - Assessment of cleanup options
- If landfill is not a source:
  - No further action, pending the ongoing post closure monitoring and maintenance required by DEC of the Town



# Jenkinsville Assessment Area



NYS ITS GIS Program Office, Westchester County GIS

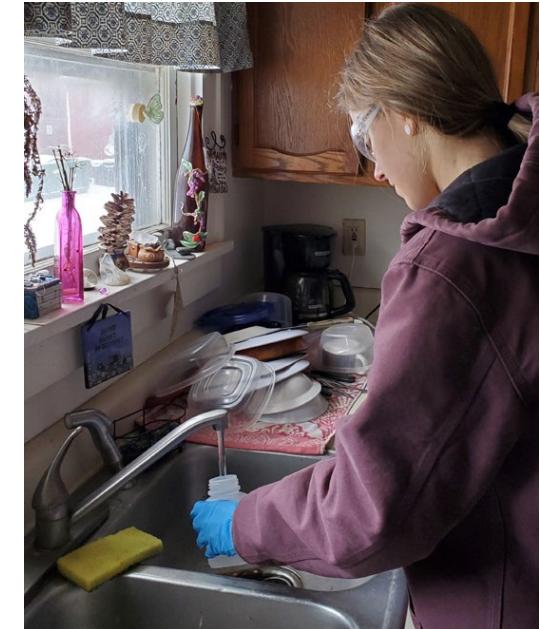
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# Jenkinsville Private Well Sampling

- DOH identified 88 wells for 1,4-dioxane and PFAS sampling
- 74 of the 88 wells have been sampled
- Maximum Contaminant Levels(MCLs) for Public Water Supplies used to guide decisions
- PFAS has not exceeded MCLs in any well sampled
- 1,4-dioxane is at or above MCL in 16 wells
- Recommended resampling of 6 wells
- No further action at this time for 44 wells



# COMMUNITY OUTREACH

- State dedicated to ensuring residents have access to clean drinking water
- Direct contact with affected residents and community leaders
- Future updates as field work begins and investigation milestones are reached
- Sign up for DEC listserv (on fact sheet) to receive updates electronically



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# Agency Contacts

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# Questions?

**If on Zoom, you may provide question via chat box or raise virtual hand to speak**



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