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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

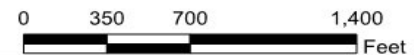


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 Landfill Boundaries



Region 5 Warren County



Queensbury Landfills

Inactive Landfill Initiative

Inactive Landfill Initiative Overview and Landfill Investigations



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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



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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**
 - **1,4-dioxane**
 - Inorganics (metals)
 - volatile/semi-volatile organic compounds (VOC/SVOC's)
 - polynuclear aromatic hydrocarbons (PAH's)
- 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 ¼ 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 ¼ 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



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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



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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



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Jenkinsville Assessment Area: Queensbury Landfill

Possible outcomes of Site Characterization:

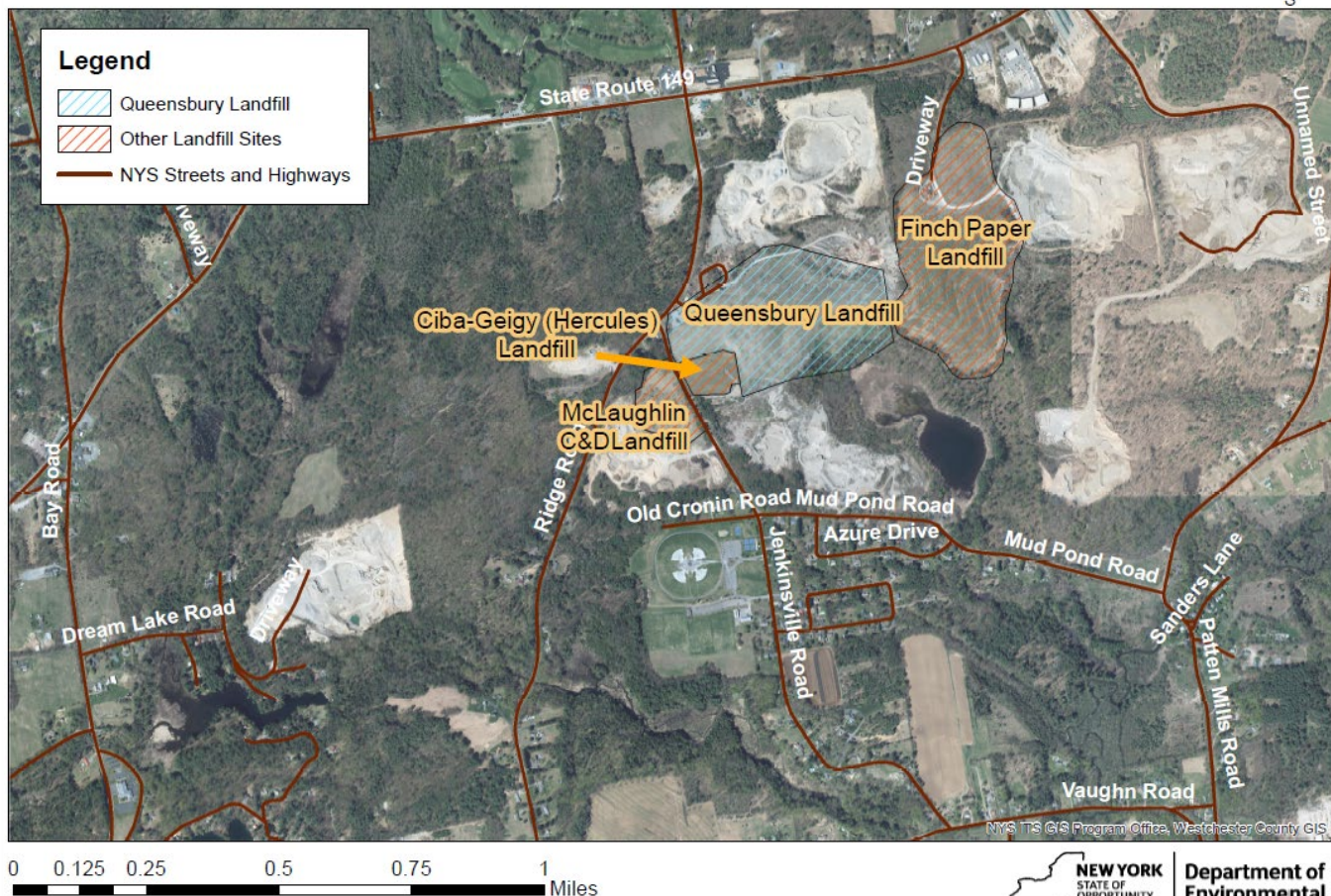
- If landfill is source of contamination to the environment, including in private wells:
 - Remedial investigation required
 - Determines nature and extent of the contamination
 - Assessment of cleanup options
- If landfill is not a source:
 - No further action, pending the ongoing post closure monitoring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



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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



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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

- DEC

- **Kevin Wood**

- kevin.wood@dec.ny.gov

- (518) 623-1233

- (McLaughlin, Ciba-Geigy and Finch Paper Landfills)

- **Anthony Bollasina**

- anthony.bollasina@dec.ny.gov

- (518) 402-2754

- (Queensbury Landfill)

- DOH

- **Fay Navratil**

- fay.navratil@health.ny.gov

- (518) 402-7884

- **Wendy Kuehner**

- wendy.kuehner@health.ny.gov

- (518) 402-7882



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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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