

Department of Environmental Conservation

DEC CPWG Site Update

Hoosick Area Investigations

October 24, 2023

Agenda

- State Superfund Process Review
- Remediation Site Review



Regulatory References

LAW – Environmental Conservation Law, Chapter 43-B, Article 27, Title 13

https://www.nysenate.gov/legislation/laws/ENV/A27

CODE - Title 6 NY Code of Rules and Regulations part 375-1.8 https://www.dec.ny.gov/regs/2491.html

GUIDANCE - DER 10

https://www.dec.ny.gov/regulations/67386.html



State Superfund



Site Classification

- The number of sites on the Registry changes throughout the year as sites are added, reclassified or delisted
- Currently 428 Class 2 sites on the Registry
- Class 4 sites (463 on the Registry) are remediated but require ongoing site management





Superfund continued...





Feasible: suitable to site conditions, capable of being successfully carried out with available technology, implementable and cost effective.

NYS Remedial Programmatic Goal:

- 1) Permanent cleanup resulting in no future use restrictions
- 2) To eliminate pathways of exposure

FS Report Programmatic Objective:

Document the engineering evaluation of remedial alternatives

Identify Remedial Action Objectives (RAOs)

- Site-specific
- Media-specific
- Address potential exposure pathways which are identified in the Human Health and Fish and Wildlife Assessments.

Eg: Prevent ingestion of groundwater with contaminant levels
 exceeding drinking water standards

Identify and Screen Technologies for effectiveness and implementability

Actions that are not implementable or not considered effective will be screened out from further considerations.





Often no single technology can remediate a whole site, so multiple technologies are combined into site-wide remedial alternatives



Remedial Alternatives Evaluation

Nine Evaluation Criteria (375-1.8(f))

Threshold Criteria - both must be satisfied:

1) Overall protection of human health and the environment -

- Groundwater/Surface water
- Soil

- Sensitive populations
- Ecological resources

- Air
- 2) Compliance with applicable standards, criteria, and guidance;



Balancing Criteria

Evaluates site-wide alternatives against the balancing criteria:

- reduction in toxicity, mobility, and volume of hazardous waste;
 - Destruction, on-site or off-site
 - Separation or treatment, on-site or off-site
 - Solidification or chemical fixation, on-site or off-site
 - Control and isolation
- long-term effectiveness and permanence;
- short-term effectiveness and potential impacts during remediation;
- implementation and technical reliability;
- compliance with statutory requirements;
- cost effectiveness; and
- community acceptance;
- Land use





Treatment Technologies

- In Place = in-situ
- Biological
- Thermal
- Chemical/physical
- Above ground = ex-situ
- Biological
- Thermal
- Chemical/physical



In-Situ Treatment



NEW YORK STATE OF OPPORTUNITY

Ex-situ Treatment







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Separation





Superfund continued...



Remedial Technology and Future Use

Selected remedies consider the current zoning and potential future use of sites. (Title 6 NYCRR 375-1.8 (subdivision g)) when it is not feasible to clean up to pre-disposal levels.

The department always considers community acceptance when evaluating the remedy.

Remedial Actions are dictated by RAOs and end use does not drive the remedy in the superfund program.

Ultimately, use of the remediated property is up to the property owner, and can be restricted with environmental easements to allow for monitoring and maintenance of an existing remedy.











	P-Site	Site Characterization	Site Classification	Remedial investigation	Interim Remedial Measure	Feasibility Study	Record of Decision
McCaffery Street			Class 2				
OU-01				\checkmark	\checkmark		
OU-03				\checkmark	\checkmark		
Liberty Street			Class 2	\checkmark	\checkmark		
John Street			Class 2		\checkmark	\checkmark	
Hoosick Falls Landfill			Class 2	\checkmark	\checkmark		
River Road			Class 2		\sim		
Mechanic Street			Ν				

	P-Site	Site Characterization	Site Classification	Remedial investigation	Interim Remedial Measure	Feasibility Study	Record of Decision
First Street	\checkmark	\checkmark	Ρ		\checkmark		
Former Dodge Machine	\checkmark		Ρ				
Interface Solutions	\checkmark	\checkmark	Ρ				
Schmigel Site			Class 4		\checkmark		
Columbia			Class 2	\checkmark			
Dolan Ave	\checkmark						
Junction Road	\checkmark						
Sunrise Quarry	\checkmark						
Kokley Ave	\checkmark					5	CONSCIPCTION

Thank You

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