Citizens Coordinating Council

December 8, 2021

SEMS Doc ID 662200

Agenda

- Rest of River – Upcoming Field Activities
- Rest of River – Current/Upcoming Documents for Public Input
- Story Board (focused on UDF)
- Rest of River Permit Status

Rest of River – Upcoming Field Activities

First year of baseline monitoring

- Surface water sampling to conduct a study on analytical techniques
- Study of PCB-loading into Rest of River
- Evaluation of sampling locations at Woods Pond and Rising Pond dams

Rest of River – Upcoming Field Activities

- Aerial LiDAR (*Light Detection and Ranging*) to collect bathymetric/ topographic features in Reach 5A
- Create a single model integrating topographic, bathymetric and riverbank features

Rest of River – Upcoming Field Activities

Significant sampling event in reach 5A

Approximate number of samples:

-Sediment: 2,200

-Riverbank: 5,975

-Floodplain: 1,975

- Total: 10,150

Rest of River – Documents

- GE submitted Pre-Design Investigation Work Plan for Upland Disposal Facility (UDF) on November 24, 2021
- Public Input due by January 21, 2022
- https://semspub.epa.gov/src/document/01/661267

Upcoming SOW Documents

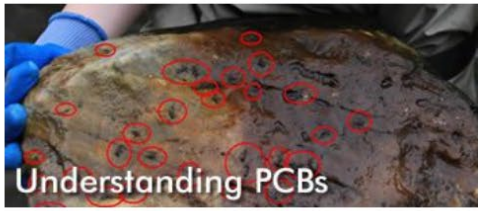
Document	Due from GE
Baseline Restoration Assessment Work Plan	December 16, 2021
Overall Strategy and Schedule Document	January 2022*
Supplemental Phase 1A Cultural Resources Survey Work Plan	January 17, 2022

*Due date revised from schedule in SOW

How to Provide Input on SOW Documents

Documents available on EPA web page at:
https://www.epa.gov/ge-housatonic/opportunities-input-housatonic-rest-river-permit-submittals

- Why cleanup the GE Site and the Housatonic River?
- What progress has been made?
- How much longer will the total cleanup take?



- Fast Facts: Housatonic River PCBs
- How do PCBs get into the environment?
- How do PCBs get into plants and animals?
- Wildlife and Human Health Effects from PCBs
- Understanding the Housatonic Rest of River and Floodplain Risk Assessments

Stay Updated!

- Opportunities for Input on Housatonic Rest of River Permit Submittals
- Follow the Housatonic Cleanup on Facebook
- Newsroom
- Public Comment, Meetings and Events
  - Public Comments and Hearing Transcripts on Draft Revised 2020 Permit
- Contact Us

Provide Comments to R1Housatonic@epa.gov

Pre-Design Investigation Work Plan for Upland Disposal Facility (UDF)

- Baseline habitat assessment, including a wetland survey as needed
- Topographic field survey
- Soil geotechnical and environmental quality investigation

Pre-Design Investigation Work Plan for Upland Disposal Facility (continued)

- Groundwater depth and environmental quality investigation
- Cultural resources assessment

UDF Baseline Habitat Assessment, including a wetland survey as needed

- Presence, location and habitat composition
- Structural, physical, hydrologic, and biological conditions
- Aquatic resources
- Invasive species

UDF Topographic/Bathymetric Field Survey

- Document existing conditions, including several low areas that contain surface water
- Includes peripheral areas planned to contain roads, drainage features, and utilities
- Traditional survey equipment and/or LiDAR

UDF Soil Investigation

- Characterize the variability, depth and engineering properties of soils, including chemical analyses (over 240 analytes)
- Identify geotechnical design considerations, such as settlement and stability
- Characterize soils for use in construction of the UDF
- 18 borings proposed to be advanced to a target depth of 935 feet AMSL (up to 60 feet deep)

UDF Groundwater Depth Monitoring

- Characterize depth to groundwater; 14 wells/piezometers proposed to be installed
- Gauge for groundwater elevation quarterly for a minimum of a year

UDF Groundwater Environmental Quality Investigation

- Groundwater sampling and chemical analysis in six wells
- Baseline sampling conducted semi-annually for two years
- Over 240 Analytes to be sampled (Table 2 of 2013 QAPP/FSP)

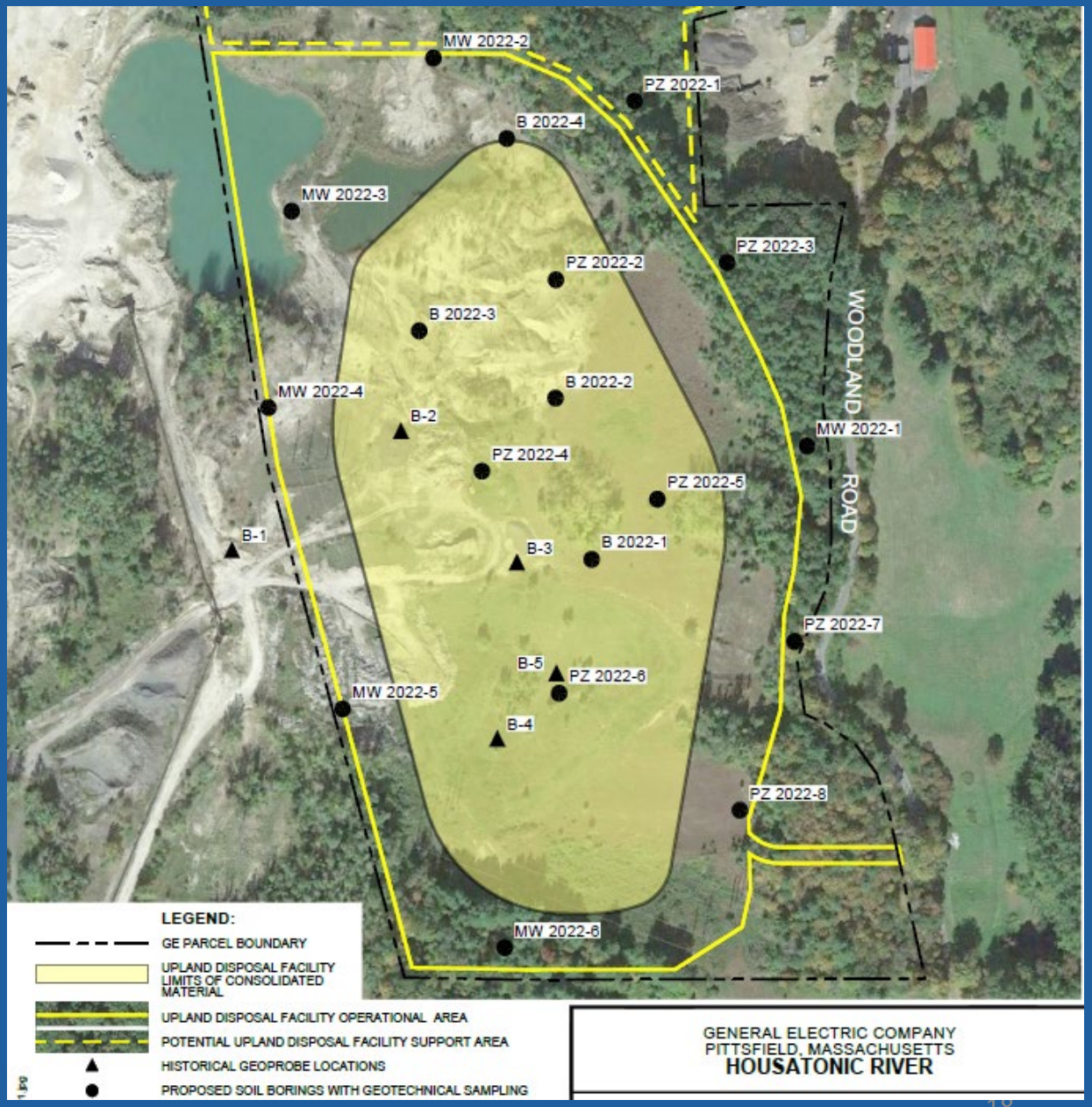
UDF Cultural Resource Assessment (CRA)

- Initial Phase I CRA to be conducted in UDF and UDF support area
- An archaeological and historic Area of Potential Effects (APE) will be defined
- GE will consult with the Mass Historical Commission and Native American Tribal Preservation Officers
- An evaluation will be conducted

Table 1-Proposed Soil Borings/Wells for the UDF

Boring ID	Anticipated Use			
	Soil Geotechnical Data	Soil Environmental Data	Monitoring Well	Temporary Piezometer
MW 2022-1	X	X	X	
MW 2022-2	X	X	X	
MW 2022-3	X	X	X	
MW 2022-4	X	X	X	
MW 2022-5	X	X	X	
MW 2022-6	X	X	X	
PZ 2022-1	X	X		X
PZ 2022-2	X	X		X
PZ 2022-3	X	X		X
PZ 2022-4	X	X		X
PZ 2022-5	X			X
PZ 2022-6	X			X
PZ 2022-7	X			X
PZ 2022-8	X	X		X
B 2022-1	X			
B 2022-2	X			
B 2022-3	X			
B 2022-4	X			

Figure 3 Proposed MW/ Piezometer locations for the UDF



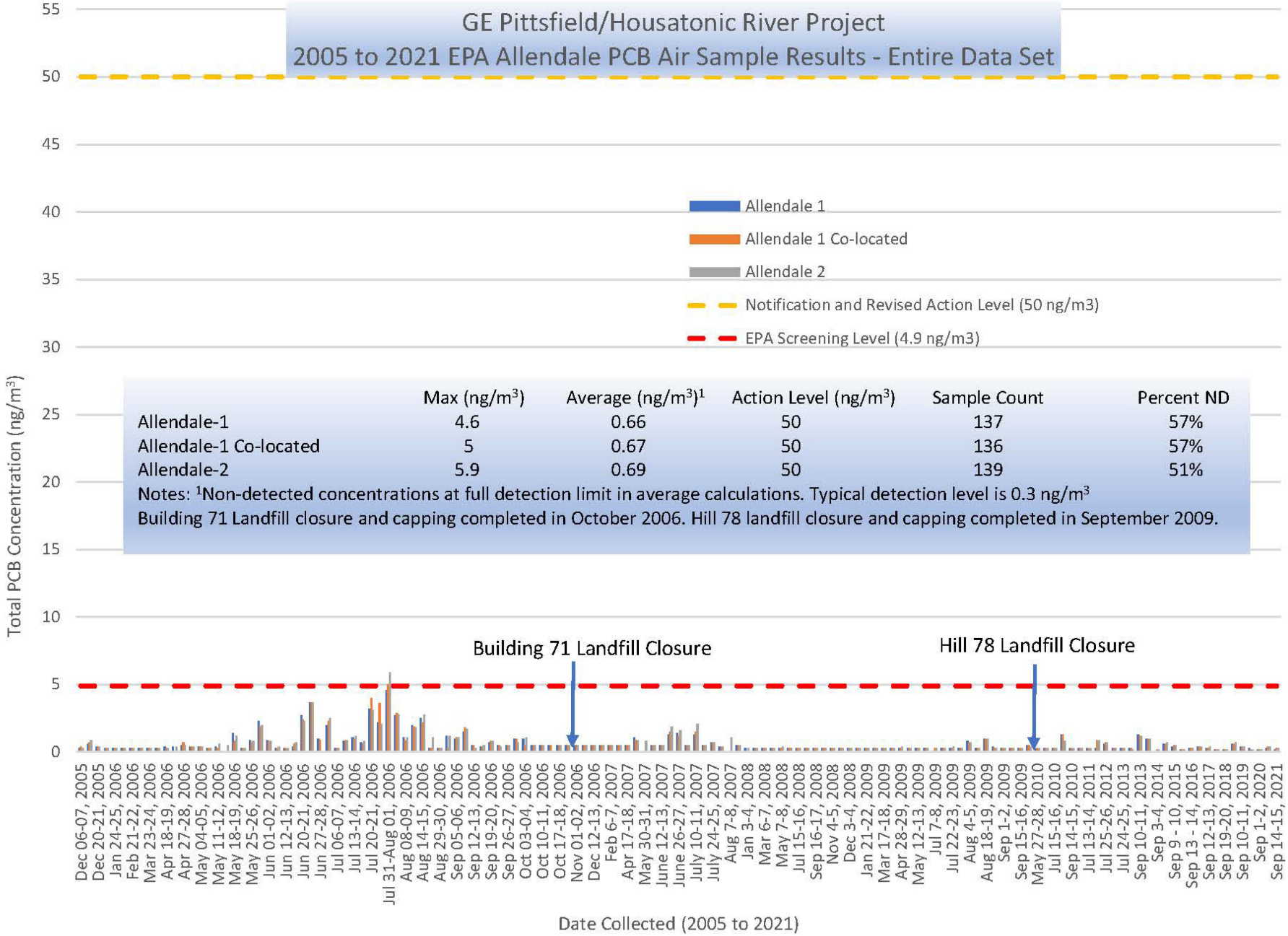
UDF-Air Monitoring

- Required by the Permit and Statement of Work
- Proposed Air Monitoring Plan will be included in the Conceptual Remedial Design/Remedial Action Work Plan

Air Data associated with GE's Pittsfield Landfills

- Large quantity of data currently exists adjacent to GE's Pittsfield Landfills
- Summarized in the following link on EPA's Web page: https://semspub.epa.gov/src/document/01/661268
- One slide from this summary is presented next

GE Pittsfield/Housatonic River Project
2005 to 2021 EPA Allendale PCB Air Sample Results - Entire Data Set



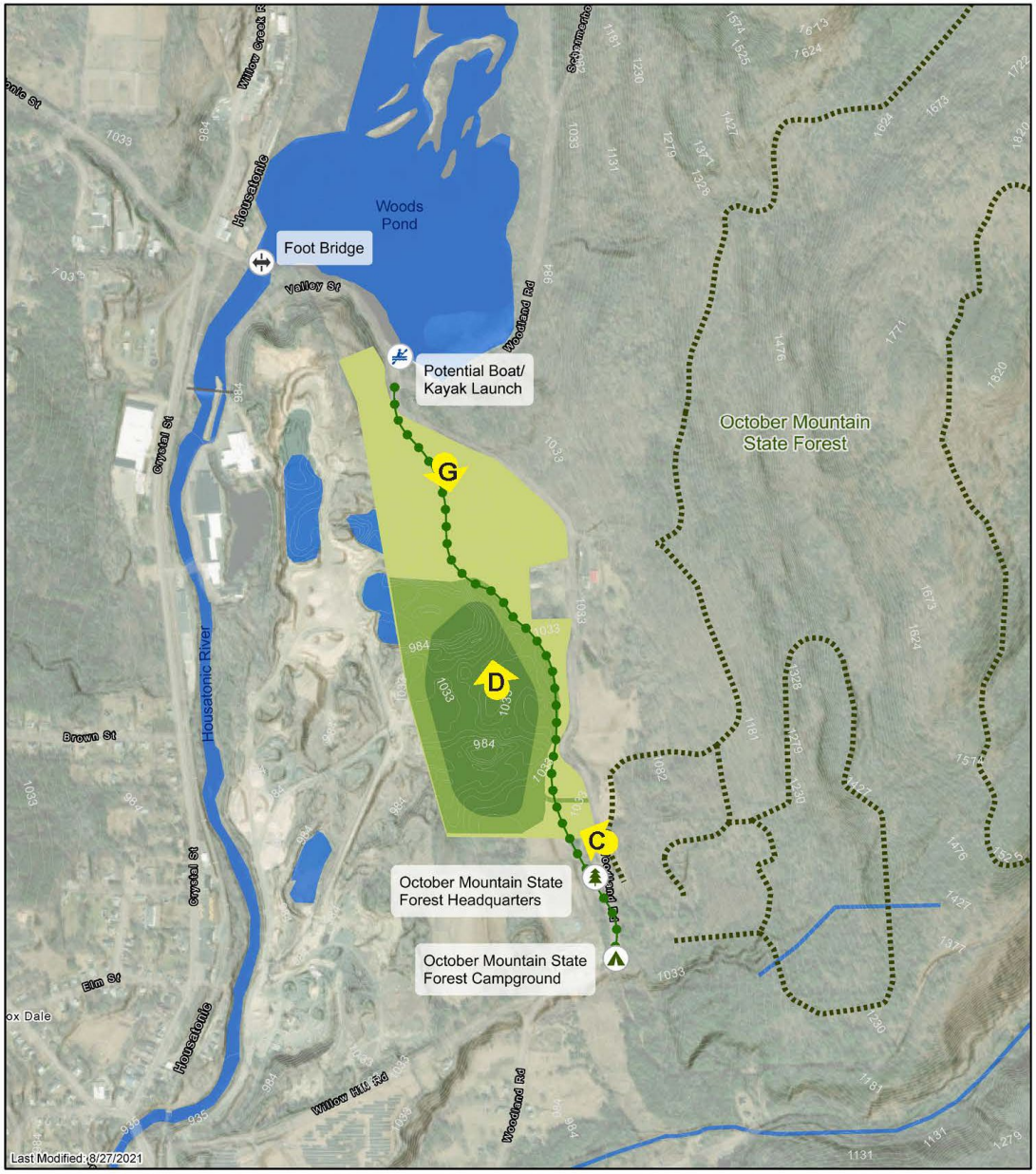
	Max (ng/m³)	Average (ng/m³)[1]	Action Level (ng/m³)	Sample Count	Percent ND
Allendale-1	4.6	0.66	50	137	57%
Allendale-1 Co-located	5	0.67	50	136	57%
Allendale-2	5.9	0.69	50	139	51%

Notes: [1]Non-detected concentrations at full detection limit in average calculations. Typical detection level is 0.3 ng/m³
Building 71 Landfill closure and capping completed in October 2006. Hill 78 landfill closure and capping completed in September 2009.

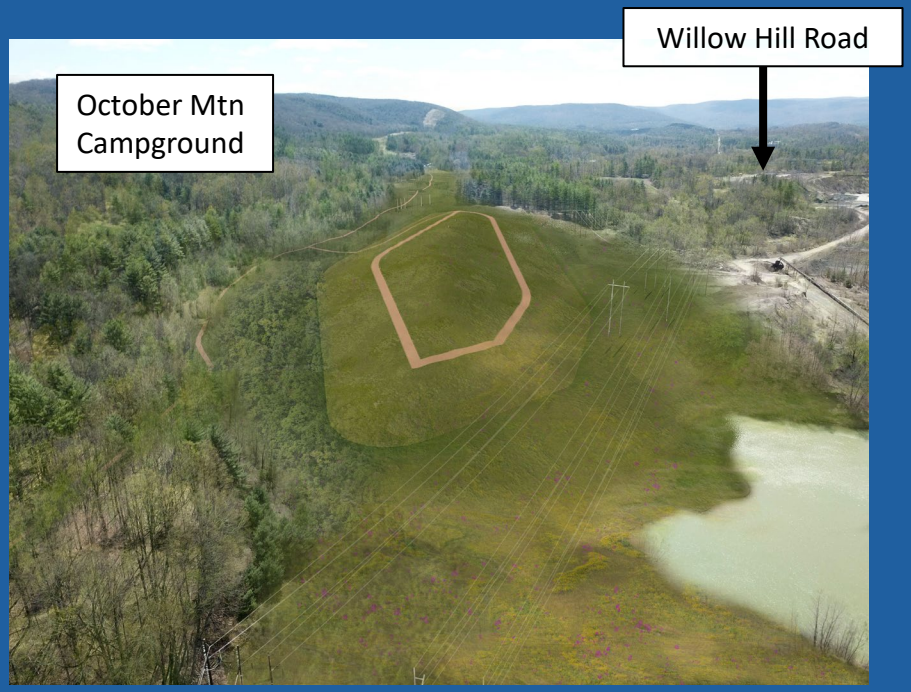
Story Board

- On-line format that graphically depicts areas of the GE-Pittsfield/Housatonic River Site
- Focus on the Upland Disposal Facility
- Able to be enhanced and expanded
- Can include links to data, photos, etc.

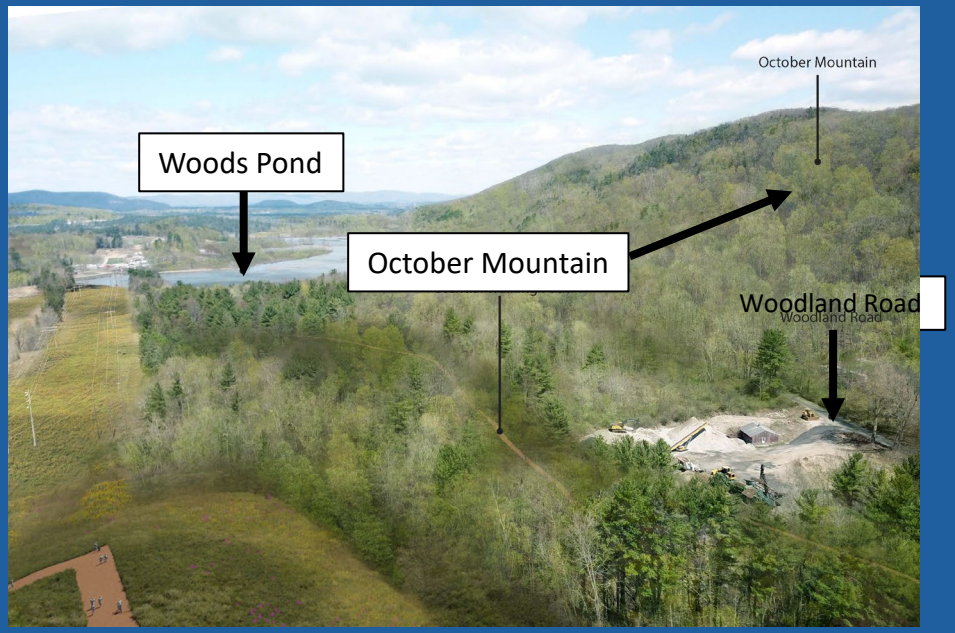
UDF and Surrounding Area



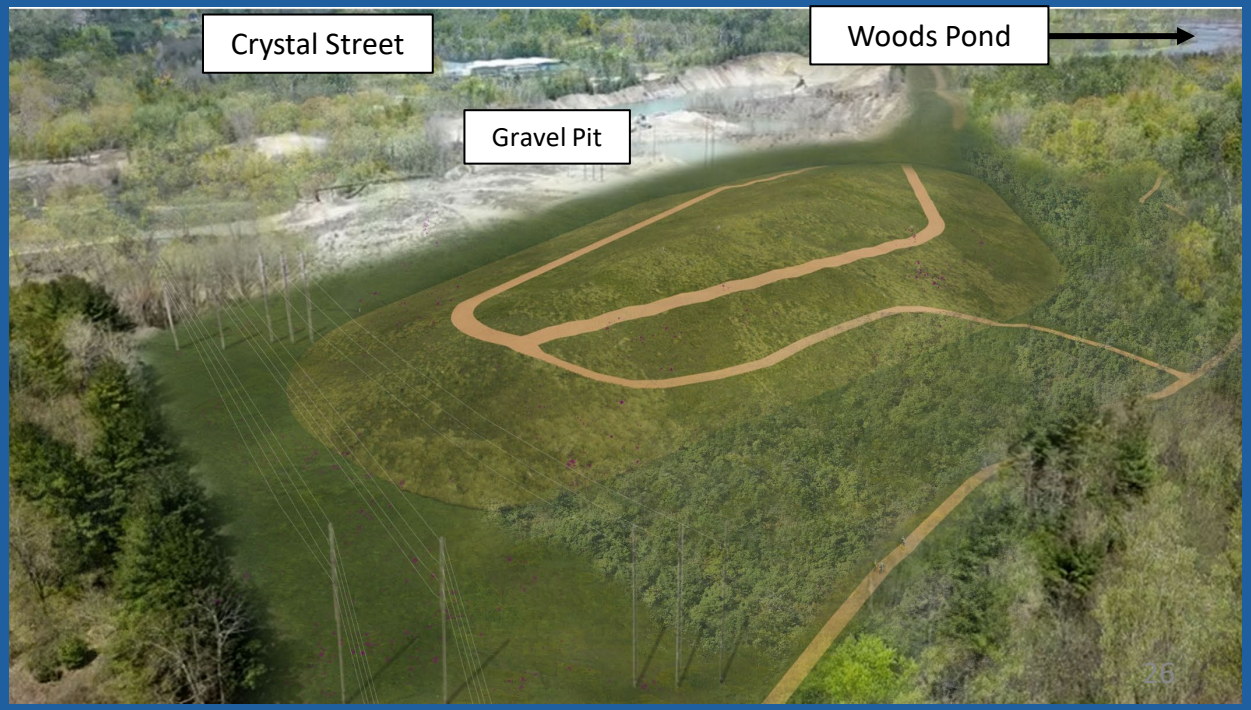
UDF-Current Conditions and Renderings-View looking South from Woods Pond



UDF-Current Conditions and Renderings-View Looking North towards Woods Pond



UDF-Current Conditions and Renderings- View Looking West towards Crystal Street



Status of Petition to the EAB

- The EAB conducted oral arguments on September 2nd
- A transcript is available on the EAB web site
- No firm date for EAB to issue ruling
- Information on the EAB is available at: www.epa.gov/eab