



# Avon Lake

**ENVIRONMENTAL REDEVELOPMENT GROUP, LLC.**

September 2024 Update







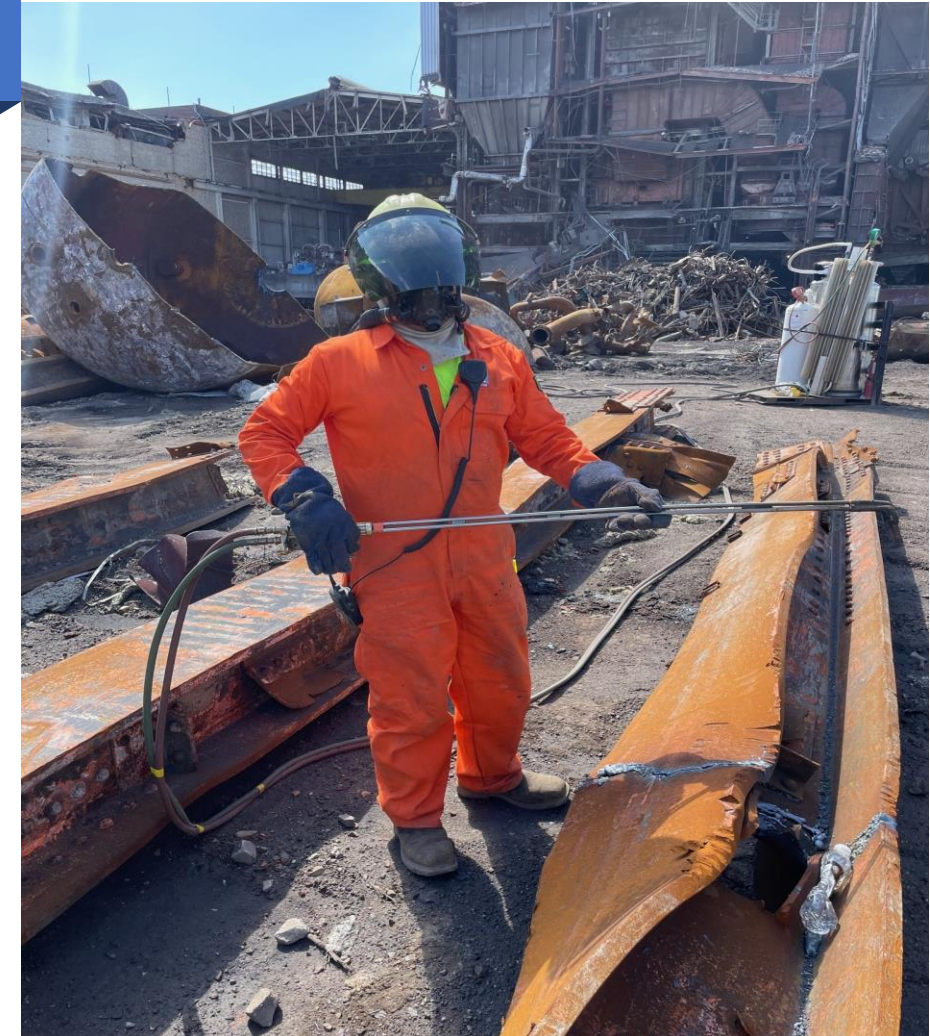
# Safety

- 21840 Accident-Free Hours since last accident on 6-14-2024.
- Security issues. No trespassers seen and no observations of damage to the fence line. Cameras facing the park have been added and are being placed in service.
- ALERG Safety Committee meets bi-weekly.
- ALERG & Trifecta all have fulltime on-site safety representatives
- Task specific Work Plans are reviewed & approved by site team prior to start of new work
- All vendors have a Hazardous Communication Program and conduct morning safety tailgate meetings
- Demolition area is encircled with red barrier tape with spotters in the area.
- ALERG team members conduct monthly a minimum of 10 safety inspections of contractors recording a minimum of 10 unsafe acts/conditions.



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# Environmental Risk Reduction



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- ✓ Underground tunnel sealing/ pathway closures – Complete
- ✓ Off-site coal removal – Complete
- ✓ Off-site asbestos removal – Complete
- ✓ Plant-wide Pb dust vacuuming and off-site disposal – Complete
- ✓ Off-site removal/disposal of rad source material - Complete
- ✓ Substantial reduction in NPDES industrial process/stormwater discharges
- ✓ Universal Waste (Hg-containing devices) removed off-site—**Complete.**
- ✓ Off-site fly ash removal – **Complete.**
- ✓ Off-site transformer oil removal – Complete
- ✓ Achievement of Ohio VAP risk-based standards for soil and groundwater  
– In Process
- ✓ Chemical removal and flushing of lines – Complete

# Permanent Removal of Hazardous Substances

Item	Quantity to 9-6-24
Lead-contaminated dust removal	128 tons
Asbestos removal	2,700 tons
Transformer oil and Used oil	140,484 gallons
Petroleum removal	19,680 gallons
Low level radioactive sources	76 units
Flyash removal	4616 tons
Coal reclaimed	36,000 tons
RR Ties Recycled	95 tons
Ammonia removal	1155 gallons
Caustic removal	18125 pounds
Sulfuric acid removal	6600 pounds
Arsenic impacted soil	198 tons
Batteries	312 units
Universal Waste(Batteries, Bulbs, Hg Devices, etc)	5782 pounds





# Demolition

- **Completed Demolition to Date:**

- Demolition of coal yard structures & conveyors has been completed
- Demo of U9 precipitator , package boilers, stores/maintenance shop, U1-7 Generators, Combustion Turbine, U9 Flyash silos, Circulating Pump House, Boilers 1-10, Old Boiler 8 Stack, CPRO building, U2-U7 turbines, U6&U7 Precipitator, Old 6 & 7 Stacks, 1200 Ton Flyash Silo. Fuel Oil Tanks
- Demo of Boilers 11 & 12, Turbine Hall, U8 & U9 Turbines are IP.
- 8715 tons of ferrous metal and 119720 lbs of Cu were hauled off site for recycling in June- August.



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# East Side Demo Progress June 2024



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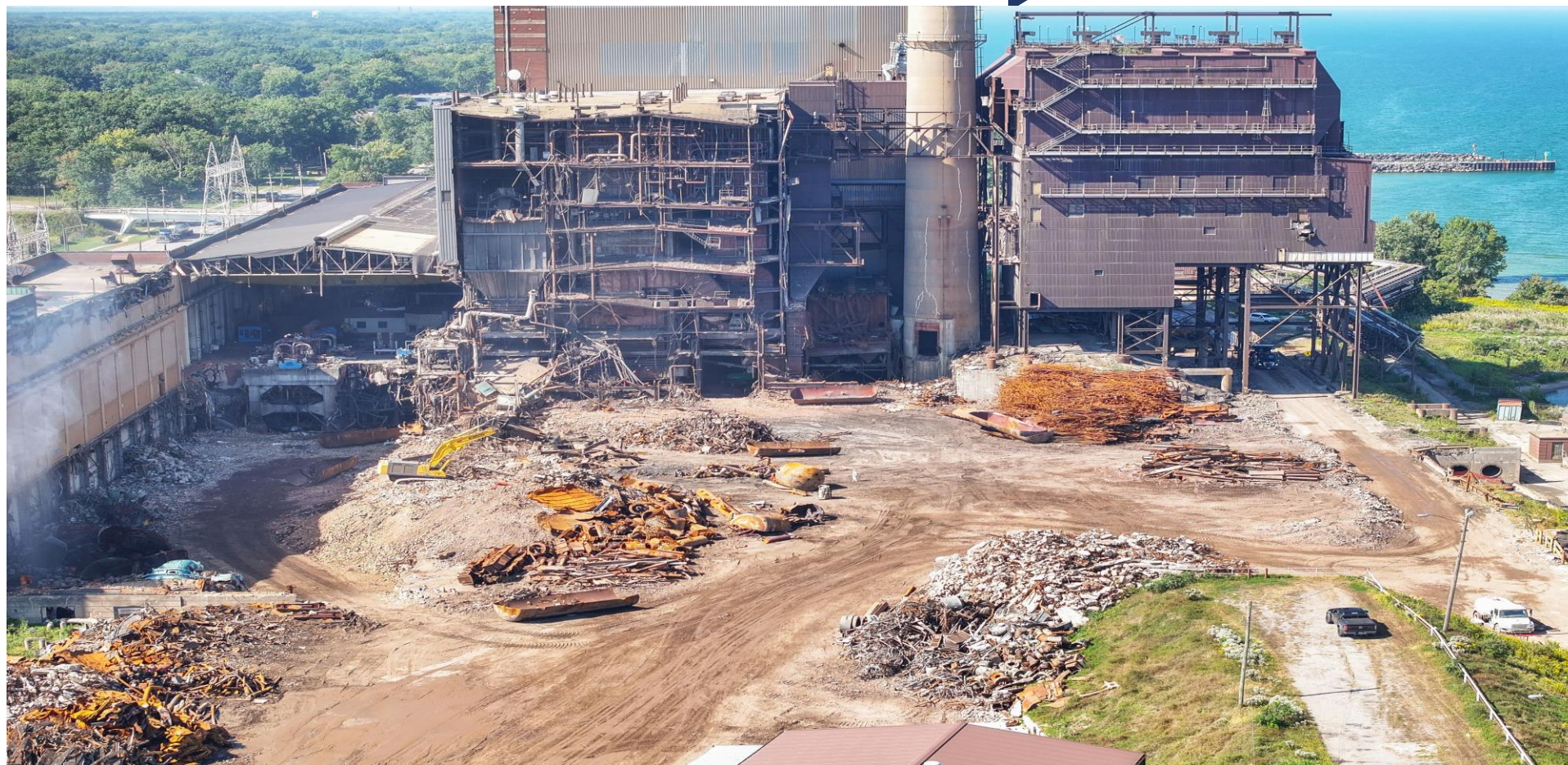


# East Side Demo Progress September 2024



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# Turbine Hall Basement Demo June 2024



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# Turbine Hall Basement Demo September 2024



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# Demolition

- **Three Week Look Ahead:**
  - Demolition of U8 & U9 turbine/basement equipment.
  - Boiler 11 & 12 Implosion Prep
  - Demo remaining turbine roof & sep. wall
  - Demo West Side of plant near ash unloading
  - Scrap Processing and Load Out



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# Demo Lake Side View



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# Boiler 9 & 10 Implosion Charges Set



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# Successful July 31 Completed Implosion

- No accidents or injuries to personnel.
- All charges fired as planned.
- All seismic activity recorded around the implosion was well below levels that would cause disturbance or property damage.
- All perimeter dust monitor data was substantially below regulatory exposure limits and reviewed by Ohio EPA.
- Excellent coordination between all public safety forces, First Energy, US Coast Guard, demo contractor, explosive contractor, etc.



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# Demolition



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## Tentative Equipment Implosion Schedule

Equipment	Date
Boiler 9 & 10	Completed
Precipitator U8	Mid November 2024
U8 Stack	Mid November 2024
Boiler 11	Mid November 2024
Boiler 12	Mid November 2024
U9 Stack	Mid November 2024





# Avon Lake Project Schedule



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Activity Description	Actual/Planned Start	Actual/Planned Finish
Close on the Property	4/4/22 (A)	
Power Station Demolition	4/4/22 (A)	4/29/25
Asbestos Abatement	4/25/22 (A)	6/16/23(A)
Asset Recovery/Salvage	6/20/22 (A)	12/31/23(A)
Plant-Wide Demolition	4/4/22 (A)	4/29/25
Coal Recovery	5/31/22 (A)	1/26/23 (A)
Plant Site Remediation	8/8/22 (A)	6/30/25
Site Restoration Complete		8/31/25



# Preserving Power Plant History

- **ALERG is donating several pieces of the power plant to the Avon Lake Historical Society:**
  - Nine ornamental light posts.
  - One piece of decorative handrailing from the turbine room.
  - Multiple pictures of the plant in operation and during construction.
  - One standing clock which was a central timepiece.
  - One clock from the decorative lobby.
  - Two pieces of marble from the lobby.
  - Seven ornamental light fixtures from the lobby.
  - Plant drawings.
  - One boiler feed pump steam turbine rotor.



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