

# Corrective Actions Update

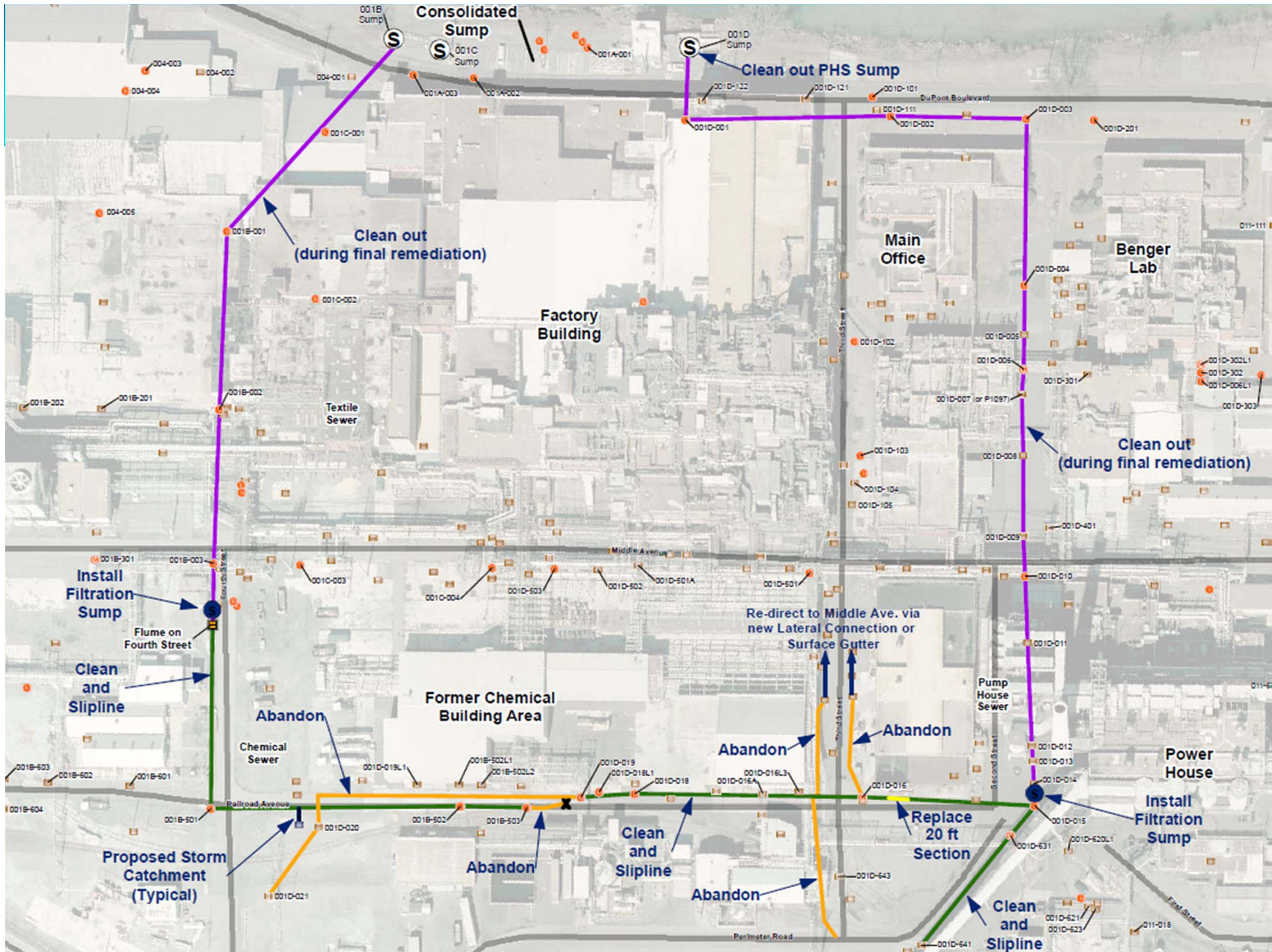
Former DuPont Waynesboro Plant

May 29, 2014



# Interim Measures Overview

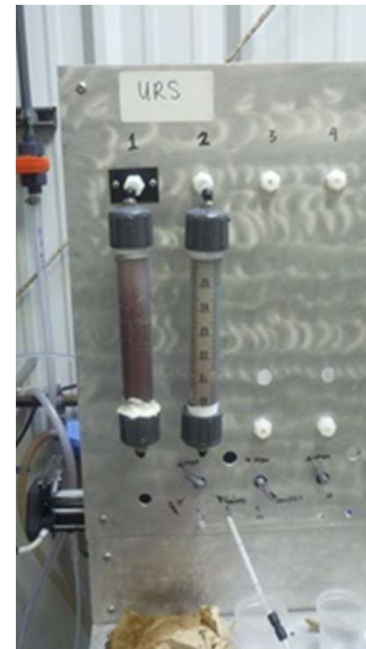
- Objectives
  - Reduce mercury loading at Outfall 001
  - Prevent mercury migration during remediation
- Plan
  - Downstream Filtration Units
  - Isolate, Abandon, Repair, Re-route Sewers
  - Clean, re-line sewers
  - PHS Sump cleaning





# Interim Measures Testing

- Filtration Bench Testing
  - Tested 4 treatment media
  - Concluded particulate filtration best for IM
- Filtration Pilot Testing
  - Evaluated various filter sizes in field
  - Results – 65 – 99% Hg reduction



# Interim Measures Implementation

- Alternate Drainage Construction
  - Re-route piping away from Hg areas
  - Replace lost drainage from abandonment
- Filtration Unit Setup and Operation
  - Start up when intrusive activities begin
  - 24/7 operation for two weeks
  - Adjust duration based on performance sampling



# Interim Measures Implementation

- Sewer Cleaning and Rehabilitation
  - Jet clean sewers and inspect with CCTV
  - Cured in Place Pipe (CIPP)
  - Line manhole interiors
- Sewer Abandonment
  - Grout (flowable fill) and plugging
  - Lateral re-establishment



# Interim Measures Implementation

- PHS Sump Cleanout
  - Jet Vac sediment
  - Confined space work
- Performance Monitoring
  - Filtration performance
  - Ecological monitoring
- Waste Management
  - Up to 12 roll-offs of impacted sediment
  - Up to 4 tankers of waste water





# Schedule

- Construction activities start week of June 16
- Startup filtration approx. June 30
- Begin cleaning, jetting, abandonments, approx. June 30
- Lining begins approx. July 18
- PHS Sump cleaning starts approx. Aug 25
- Decon and Demob by end of September