

Corrective Actions Update

Former DuPont Waynesboro Plant

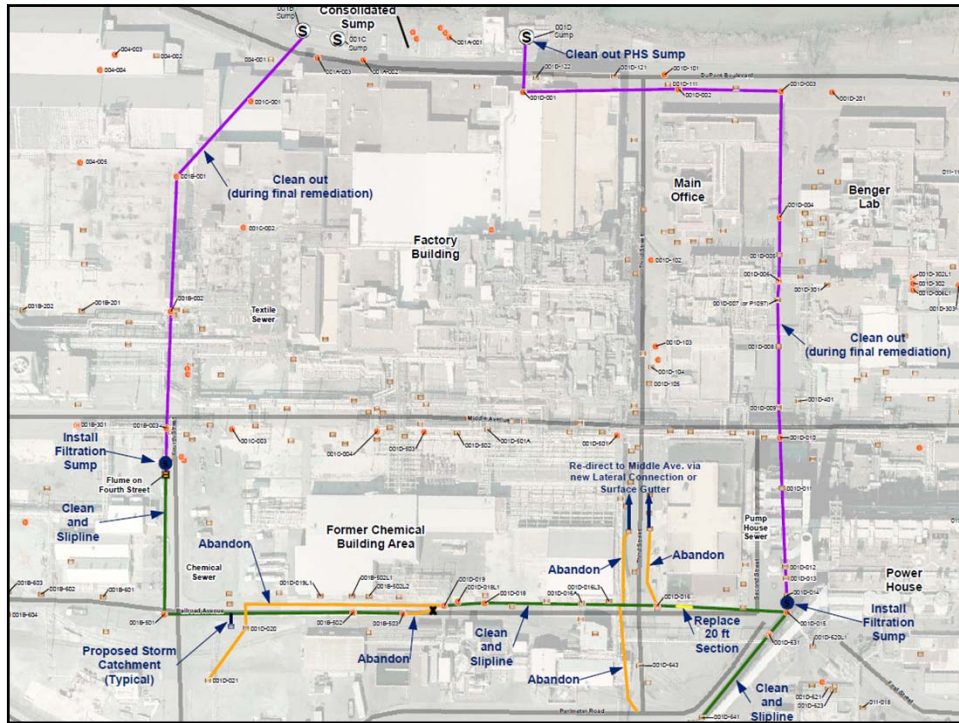
October 8, 2014

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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

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Activities Completed

- Sewer Cleaning, Lining and Rehabilitation
 - Jet clean sewers and inspect with CCTV
 - Cured in Place Pipe (CIPP)
 - Line manhole interiors





Activities Completed

- Sewer Abandonment
 - Grout (flowable fill) and plugging
 - Lateral re-establishment
- Alternate Drainage Construction
 - Re-route piping away from Hg areas
 - Replace lost drainage from abandonment

Activities Completed

- Downstream Filtration
 - Start up when intrusive activities began
 - 24/7 operation for two weeks
 - Performance sampling
 - Adjusted duration based on performance sampling
 - Highly effective - ~90% reduction



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Activities Completed

- PHS Sump Cleanout
 - Jet Vac sediment
 - 24/7 Bypass Pumping
 - Dewatering
- Waste Management
 - Up to 5 roll-offs of impacted sediment
 - Up to 6 tankers of waste water



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Activities Completed

- Performance Monitoring
 - Filtration performance
 - Raw and filtered samples
 - Units very effective during intrusive work (~90% removal)
 - Outfall 001 monitoring
 - Sampled daily during intrusive activities
 - No increases in Hg detected
 - Ecological monitoring

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Summary

- Construction activities started week of June 16
- De-mob by mid October
- 4,290 man hours to date
- 36 Confined Space Entries
- Isolated Hg sources from infiltrating the sewer
- No increase in Hg loading to river detected during Interim Measures

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