

On-Site Corrective Actions Update

Former DuPont Waynesboro Plant
August 19, 2015

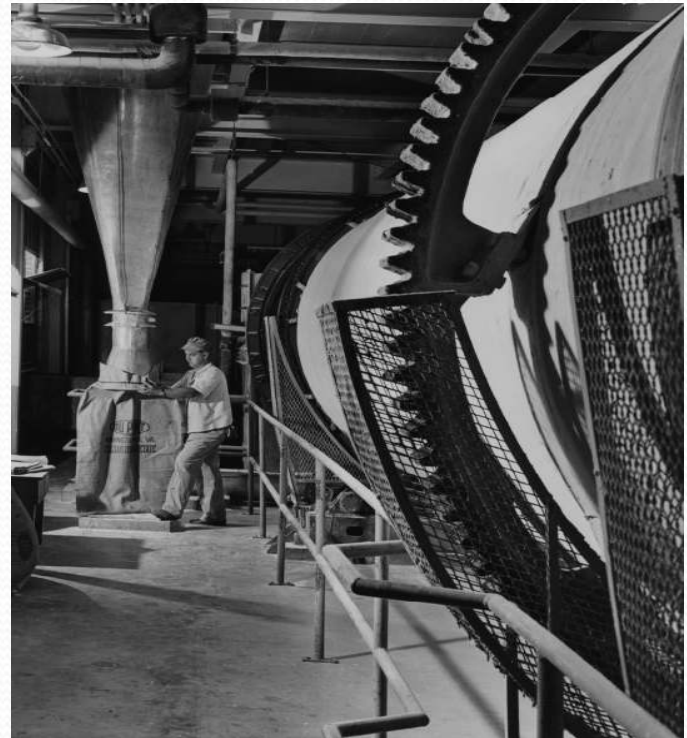
Introduction

- History
- Investigation Summary
- Actions Completed
- Current Activities
- Future Activities



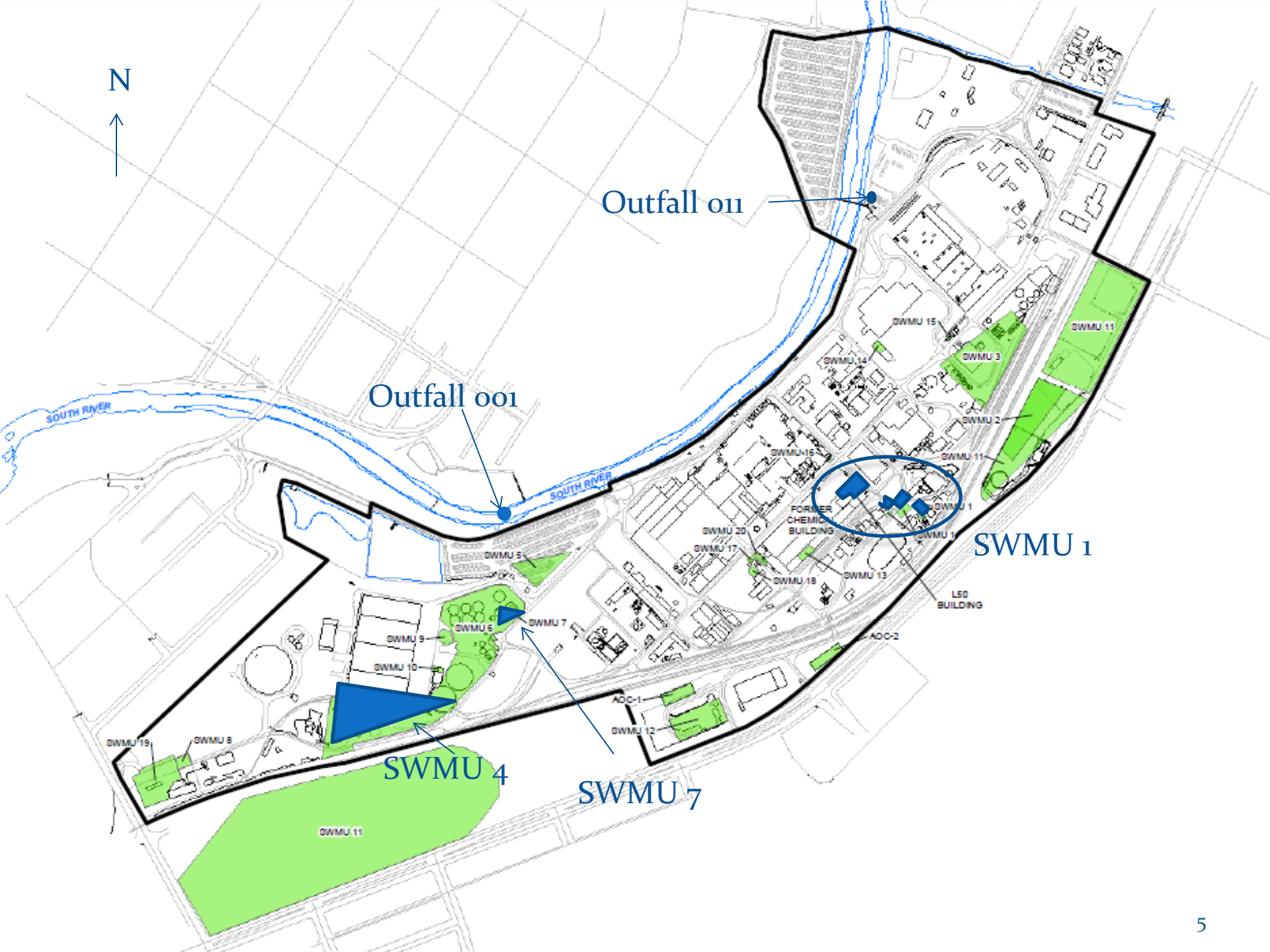
History

- Plant Operations began in 1929 with manufacturing of acetate flake and yarn
- Mercury used from 1929 to 1950
- Orlon , Permasep, Lycra and BCF Nylon
- Assets sold to Koch (INVISTA) in 2004



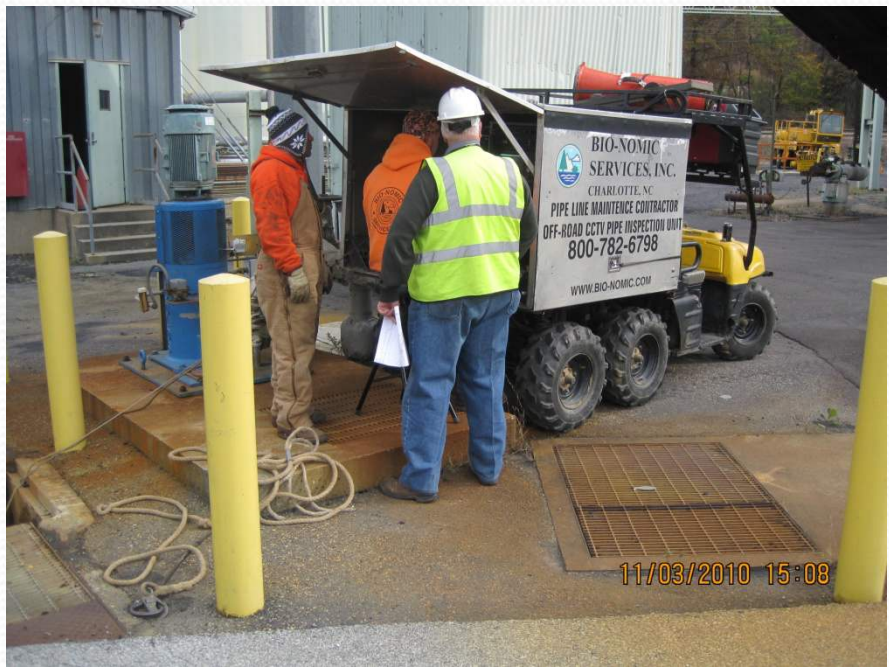
Investigation Summary

- RCRA Permit issued in 1998, revised in 2014
- RFI began in 2001
 - SWMU Investigation – Hg source areas
 - Groundwater Monitoring
 - Sewer Investigation – Outfall discharges
 - RFI finalized in 2015
- Findings
 - Hg in former structures (SWMU's 1 and 4)
 - Sources have impacted storm sewer – outfall discharges
 - Impacted groundwater contained by pumping



Actions Completed

- Sewer Investigation (2010)
 - Cleaned out 27 cy of sediment from sewer
 - Significant mercury removal
 - CCTV inspections



Actions Completed (cont.)

- Interim Measures (2010)
 - Removed and abandoned Hg sources connected to sewers
 - Re-routed roof drainage that flushed through impacted trenches



Actions Completed (cont.)

- Railroad Ave Interim Measures (2014)
 - Sewer Abandonments/Repairs
 - Cleaning, re-lining (CIP)
 - Temporary in-line filtration
 - Clean downstream PHS Sump

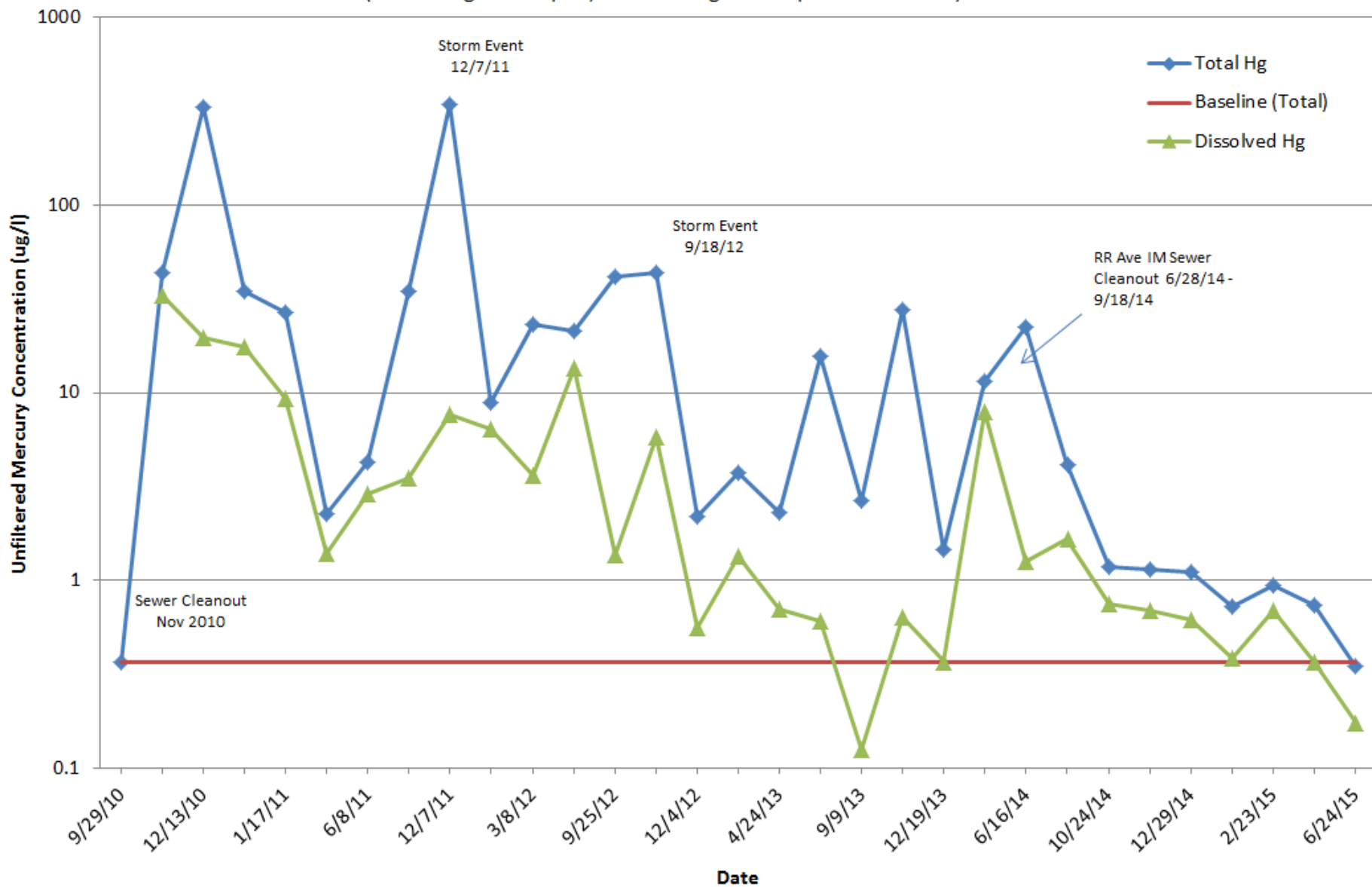




Post IM Monitoring Results

Pumphouse Sewer, Downstream - 001D-015

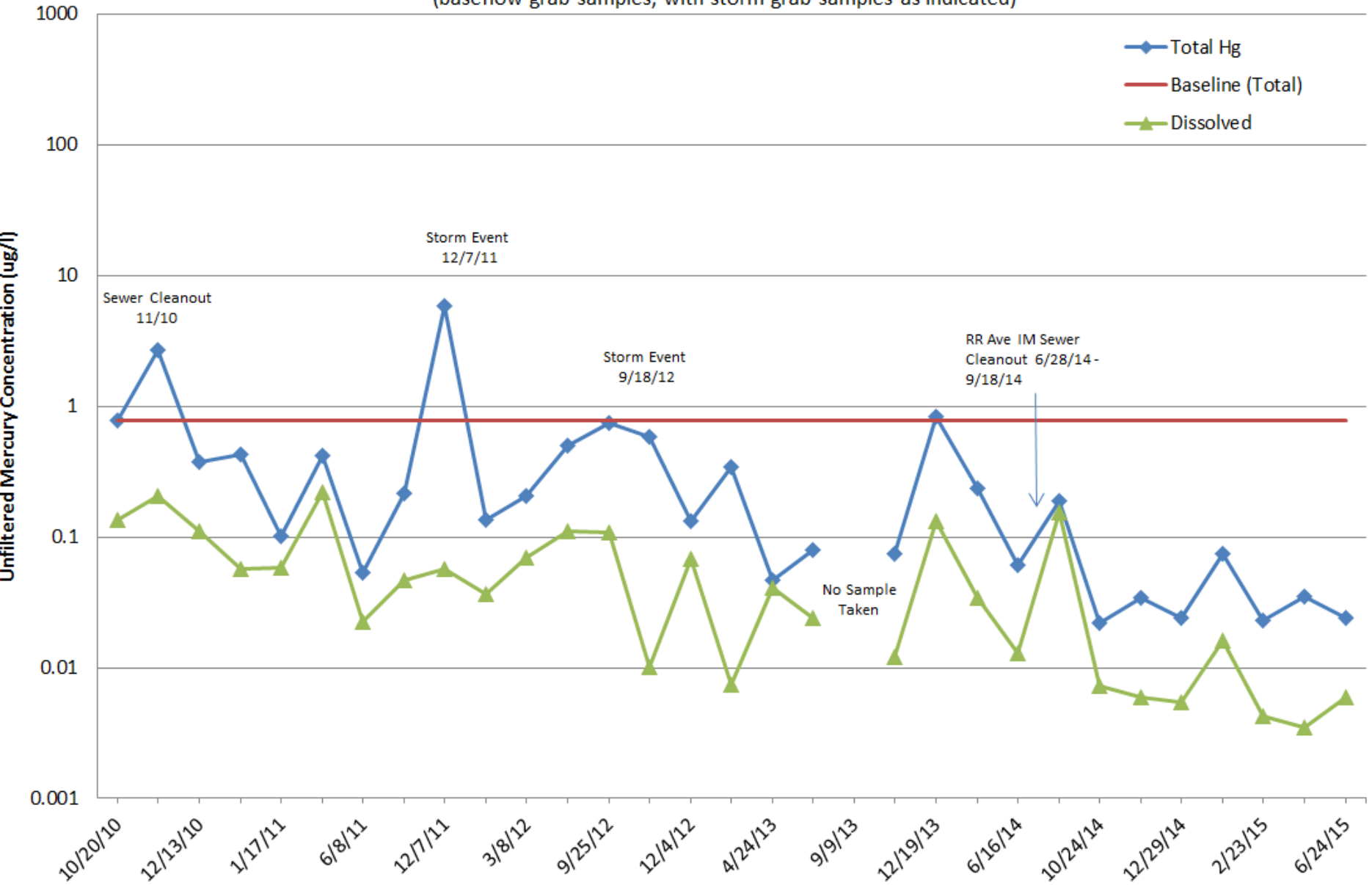
(baseflow grab samples, with storm grab samples as indicated)



Post IM Monitoring Results

Chemical Sewer, Downstream - 001B-501

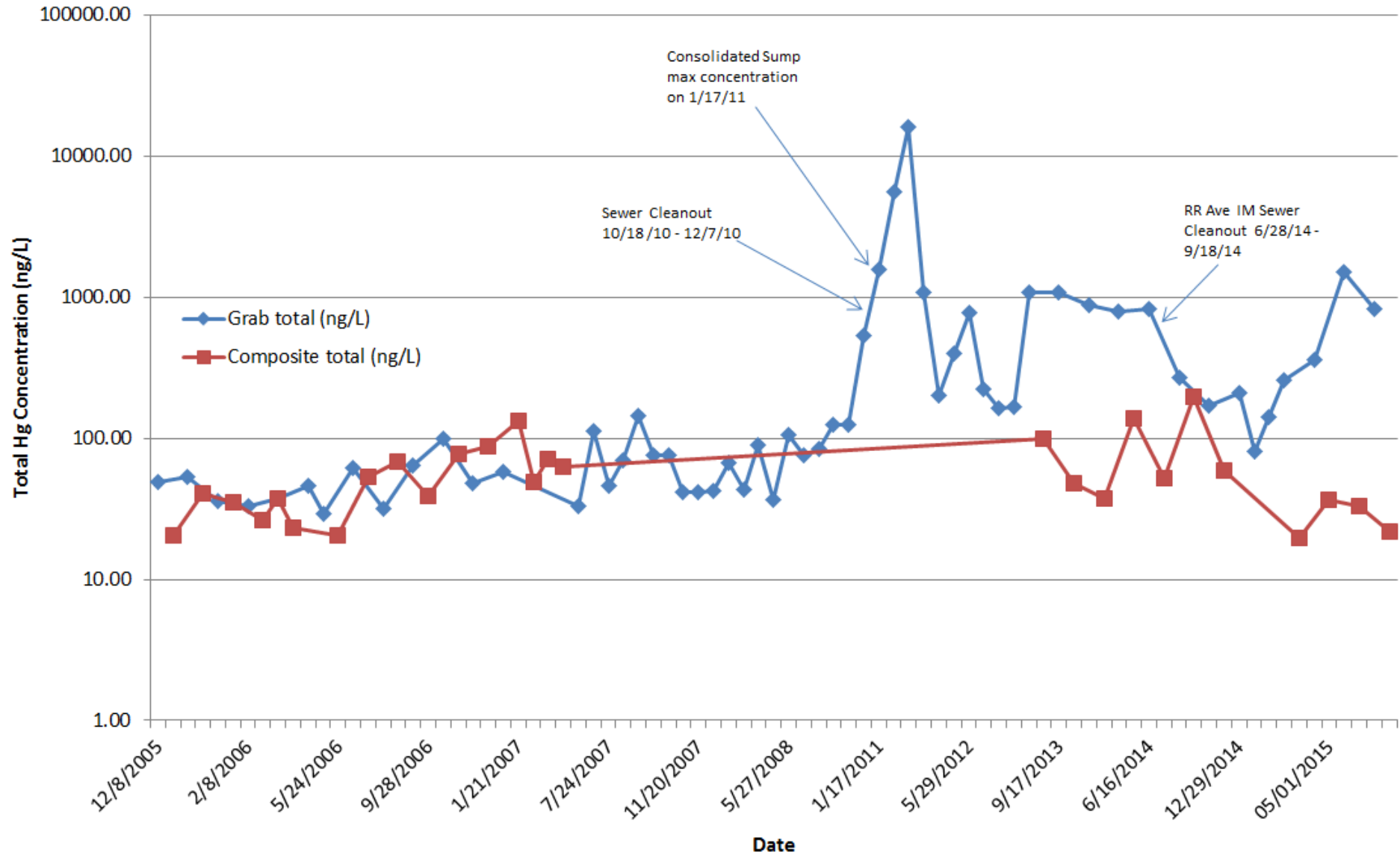
(baseflow grab samples, with storm grab samples as indicated)



Outfall 001

Baseflow Total Hg Concentrations

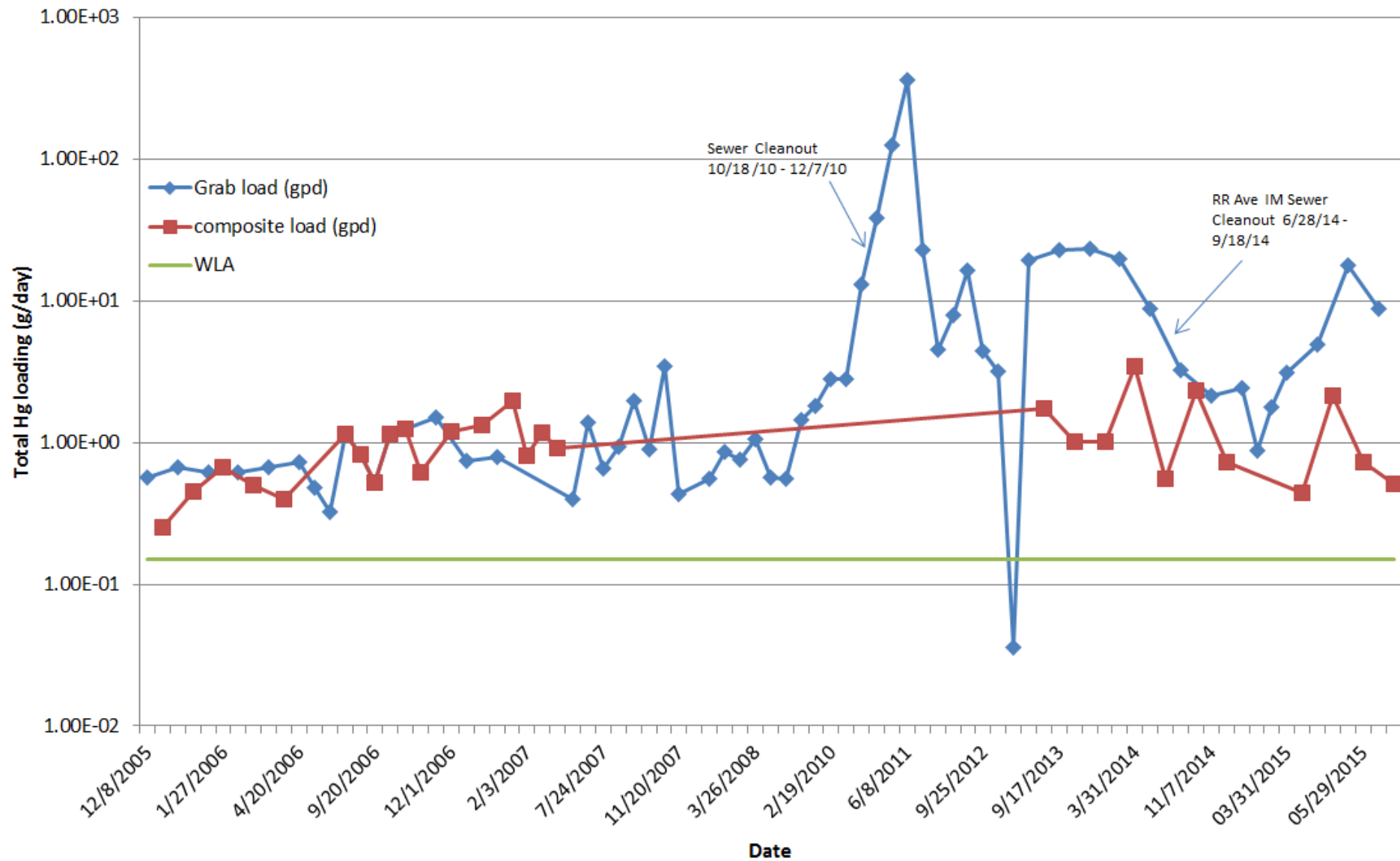
Waynesboro Plant



Outfall 001

Baseflow Total Hg Loading

Waynesboro Plant



Current Activities

- Awaiting CMS Approval
- Monthly Outfall Monitoring
- Semiannual Groundwater Monitoring

Future Activities

- Corrective Measures Implementation (CMI) - Proposed
 - Source area removals in SWMU 1
 - Maintain groundwater gradient at SWMU 1
 - Capping, drainage control at SWMU 4
 - Institutional controls for SWMU 7 groundwater

Questions?