Lessons Learned and Case Study

Brownfield Cleanup Program

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BCP Pre-Application Meeting

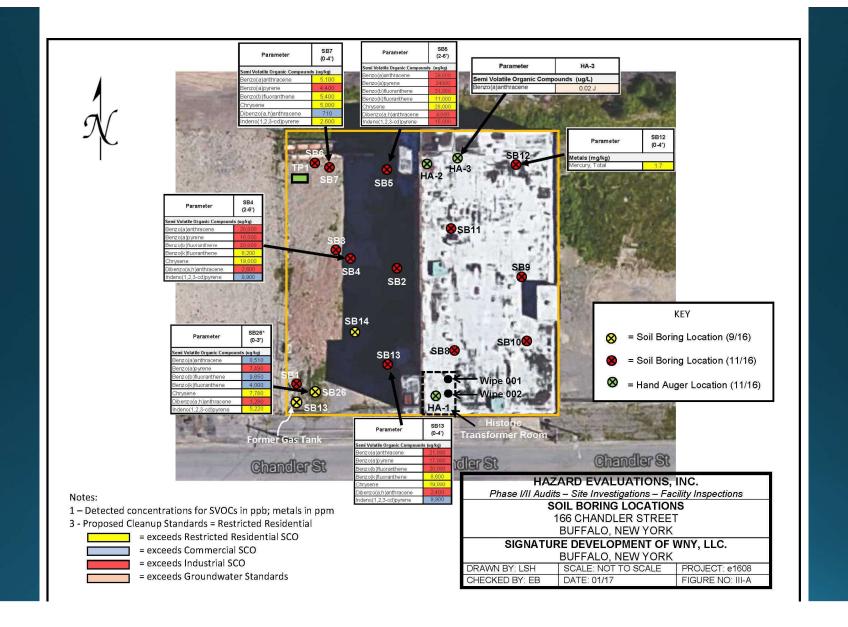
- First Meet and Greet
- Opportunity to Ask Questions
 - Ability of Site to be Accepted BCP
 - Cleanup Criteria and Development Plans
 - Remediation Options
- Allows Client to Understand BCP Requirements and Timing

BCP Application Deficiencies

- Correct Name of Applicant Match exactly to NYS Dept. of State
- Proof of access if Requestor is not owner remember Sale Contract is not enough
- Previous Owner and Occupants
 - Develop a chain of ownership dating to at least when contamination was released
 - Develop a chain of occupants and operators include name and contact, if known

BCP Application Deficiencies

- Contact Lists
 - Include all Contacts City of Buffalo Planning Board Chairman
 - Adjoining Properties to include residents and occupants, not just owners of property
- Figures
 - Include County Tax Map EC GIS map may not be adequate
 - Env. History include figure that shows concentrations that exceed planned cleanup criteria



- Client wanted Certificate of Completion by December 2017
- Application Submitted November 15, 2016
- Letter of Incompleteness on December 1, 2016
- Final Application Resubmittal and Letter of Completion in January 2017
- Acceptance Letter received March 3, 2017
- Final BCP Agreement Issued April 24, 2017

- Work Plans for RI and IRM submitted with Application; Work Plan approval end of April 2017.
- IRM included removal of soil from courtyard and parking lot areas remaining portions of property covered by building
- IRM anticipated to be final remedy

- Early May 2017
- Asbestos Identified throughout entire building and courtyard deemed ACM Containing – all work ceased.
- Client still wanted COC by Dec. 2017
- ACM work required removal of top 2-inches of soil due to evidence of ACM.
- Soil Piles had roofing shingles mixed in
- Soil also had PCBs over 50 ppm.





- Worked with ACM Contractor for Soil Removal
- ACM and PCB soil removed July 2017
- Courtyard Control not until August 2017
- Remove PCB soil over 50+ ppm
- Remove concrete footers and foundations
- Remove UST, drainage structures, and impacted fill
- Chimney Stabilization and Restoration Issues
- Confirmatory sample results confirmed no testing results above Restricted Residential numbers – End of October 2017

Courtyard – December 2017



Parking Lot — July 2017



- Parking Lot area
 - Plan was simple excavate to 3 to 4 feet
 - Identified hazardous levels of Lead May 2017
 - Submittal of additional Work Plan for delineation of Lead
 - Submittal of Work Plan for Lead Stabilization
 - Work completed in September 2017
 - Excavation and confirmatory sample results confirmed no testing results above Restricted Residential numbers End of September 2017

Parking Lot – December 5, 2017



- Interior Investigation required to be done
- Due to ACM issues, No access to inside the building until July 2017
- Found areas of impact Removed as discovered
- PCBs on Concrete resulting removal of areas of the concrete floor
- Final interior removal in October 2017

- Last sample collected October 20, 2017
- Draft RI/IRM/AAR report issued October 24, 2017
- Final Engineering Report Issued December 14, 2017
- No Further Action Remedy was accepted and Decision Document Issued December 20, 2017
- Site Management Plan accepted December 20, 2017
- Certificate of Completion received December 27, 2017

- Success at Site due to:
- IRM was the final remedy and no further action needed.
- Coordination of work with NYSDEC Worked with us every step of the way and kept us aware of impending deadlines
- Motivated Client Would not postpone COC
- Cooperation with owner, contractors, and NYSDEC