US Army Corps of Engineers
Buffalo District

# FACT SHEET

February 2015

## HARSHAW CHEMICAL - CLEVELAND, OH

Formerly Utilized Sites Remedial Action Program (FUSRAP)

**Location**

- 1000 Harvard Avenue, approximately three miles south of downtown Cleveland and adjacent to the Cuyahoga River and Big Creek

**Site History and Project Description**

- From 1944 to 1959, the Harshaw Chemical Company processed various forms of uranium under contract to the Atomic Energy Commission and the Manhattan Engineer District. This 55 acre site is within an industrialized area of Cleveland and includes the former uranium process area and redeveloped privately-owned commercial properties
- The Corps completed a Remedial Investigation to characterize the nature and extent of radiological contamination and a Feasibility Study to evaluate viable remedial alternatives to address contamination.

**Importance**

- There is no immediate risk to human health or the environment. Elevated levels of radionuclides exist that exceed Federal environmental requirement criteria and limitations promulgated under Federal environmental laws. If contamination remains, it may pose a future risk to human health and the environment
- The contaminated former uranium processing building (G-1) has been safely removed
- Soils and groundwater beneath and surrounding G-1 are contaminated with FUSRAP-related radionuclides and are media of concern

**Consequences**

- Potential for long term, adverse human health effects
- Contamination currently on site could migrate offsite and impact additional human and animal populations
- Beneficial reuse of the site cannot occur until the site is remediated to a risk level commensurate with projected future use of the site

| Project Phase | Estimated Federal Cost | Funding through FY14 | FY15 Requirement | FY15 Appropriation | FY16 Requirement | FY16 Budget |
|---|---|---|---|---|---|---|
| **Investigation*** | $30.4M | $21.2M | $1.1M | $1.1M | $500K | $500K |

*Investigation Phase includes Remedial Investigation, Feasibility Study, Proposed Plan, and Record of Decision

**Project Sponsor/Customer**

- Project Sponsor/Customer: The project sponsor is the US Congress. Customers include property owners, interested stakeholders (Ohio Canal Corridor), affected communities and elected leaders, and local, state, and Federal environmental and health agencies

**Congressional Interests**

- Representative Marcia Fudge D-OH-11
- Senator Sherrod Brown D-OH
- Senator Rob Portman R-OH

**Current Status**:

- The revised Remedial Investigation Report was completed in December 2009 and released to the public
- A Record of Decision for an undeveloped parcel (Investigative Area # 06) was released to the public in FY11, documenting that No Action was required under FUSRAP for that parcel
- The site-wide Feasibility Study for the remainder of the site was complete in FY12 and released to the public in December 2012
- Former uranium process building (G-1) was removed in early 2015 to enable subsurface investigation and data collection required for remedial action remedy selection
- A Feasibility Study Addendum to address the long-term regulatory compliance of groundwater and the Proposed Plan for the remediation of the site are progressing

**Issues:**

- No Issues

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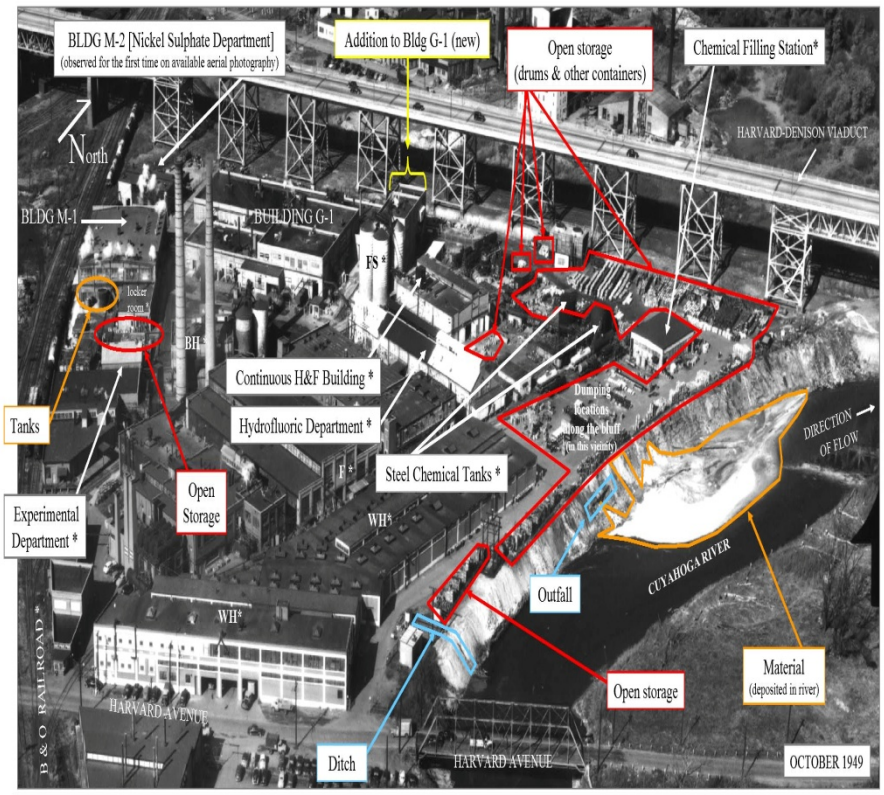
HARSHAW CHEMICAL COMPANY

## 1949 AERIAL VIEW – OBLIQUE PHOTOGRAPHY

Final Report

VIEW FROM THE SOUTHEAST | Area North of Harvard Avenue | OCTOBER 1949



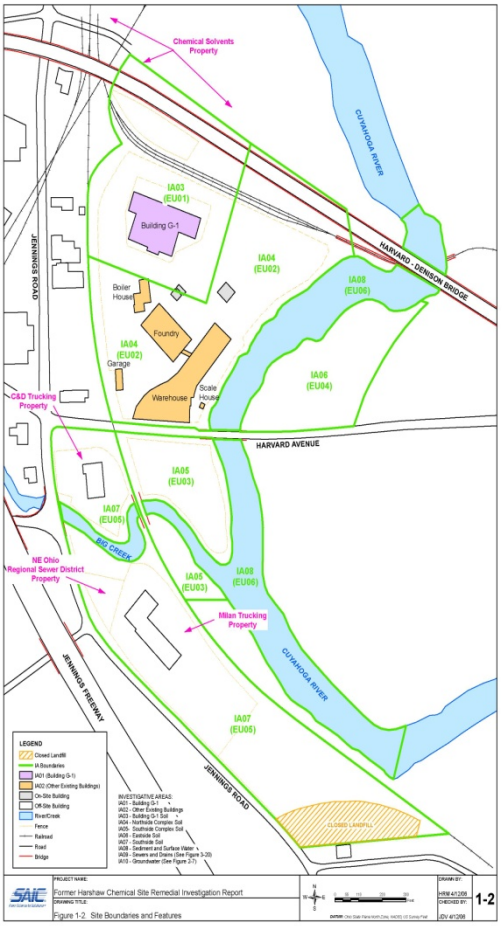


Image Source: Western Reserve Historical Society, Cleveland, Ohio * Sanborn Fire Insurance Map Data BH = boiler house F = foundry FS = fluorspar storage (tile tanks)* WH = warehouse