

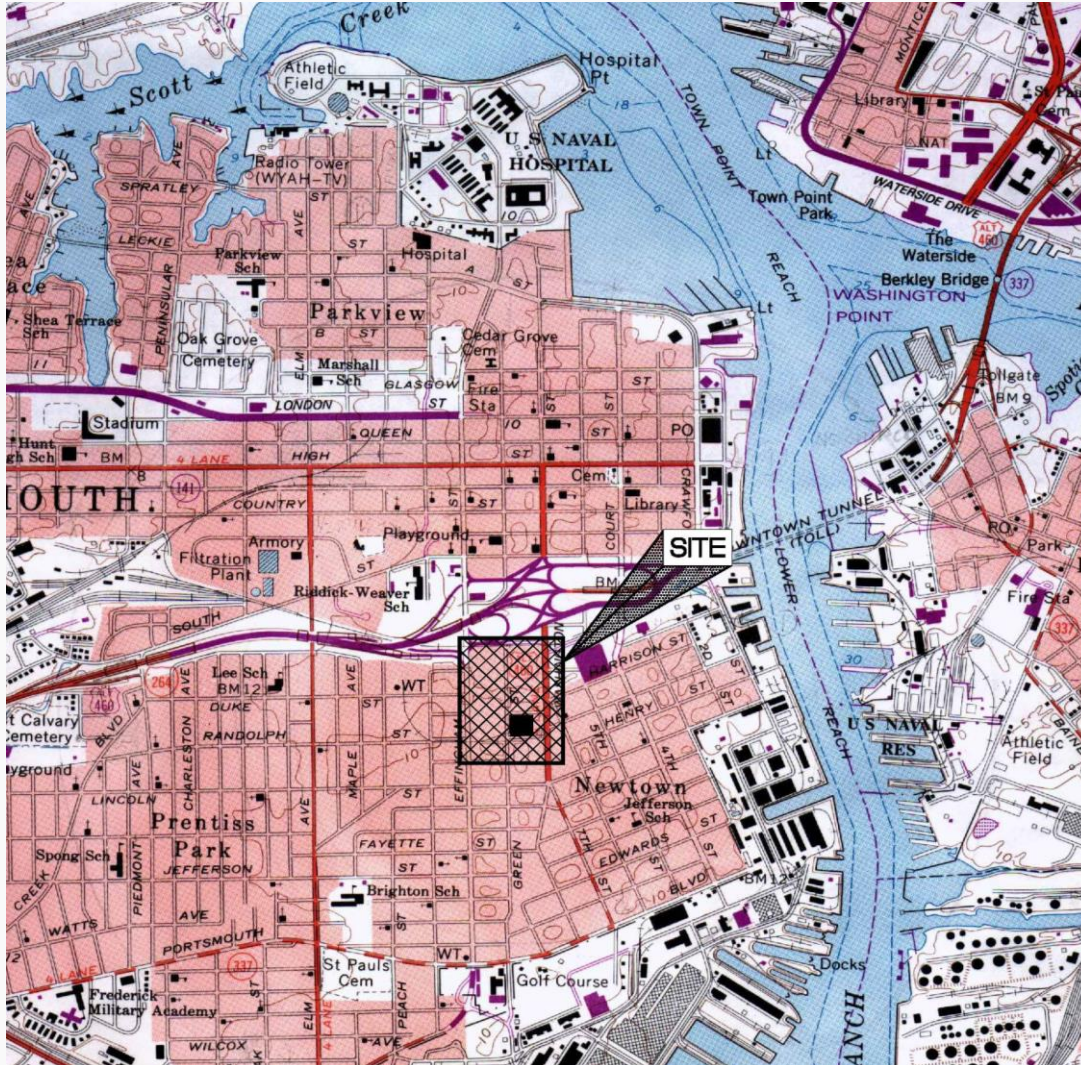
ABEX Corporation: OU1 Five Year Review

February 27, 2018

Remedial Project Manager:
Lisa Denmark



Site location





Before

Now





Site map

LEGEND



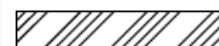
OU-1 REMEDIATION AREA



OU-2 EXCAVATION AREAS



2020 CHESTNUT STREET SITE EPA EXCAVATIONS



EPA REMEDIATED PROPERTIES (OU2)



PROPERTY LINES (APPROXIMATE)





Background

- 1 Brass and bronze foundry from 1928-1978
- 2 OU1 – inner focus area, Pb in soil
- 3 Soil excavation and Land Use Restrictions (ICs)



What is a Five Year Review?

- Required when waste material is left in place
- EPA comes back to look at site and remedy every 5 years
- Ensures that remedy is working as designed
- Identifies any potential issues
- Evaluates new policy



Main points

- 1 Excavated soil, land use control (protective barrier)
- 2 Remedy is Protective
- 3 No issues
- 4 Findings related to restrictions and inspections
- 5 EPA Lead Policy (Dec. 2016) - consistent



Cleanup Goals

- Residential: removed if $>500\text{mg/kg}$ down to water table
- Commercial/Industrial:
 - Removed if $>500\text{mg/kg}$ up to 1 ft
 - Removed if $>1000\text{mg/kg}$ at >1 ft and ≤ 2 ft



Selected remedy

1. Excavate & stabilize soil
2. Dispose treated soil in offsite permitted landfill
3. Consolidate nonhazardous soil; 2-ft soil cover
4. Land use controls to protect soil cover

Site photo





Comparison: prior and current 5YR

FYR Signature Date	3 rd FYR – May 10, 2012	4 th FYR – May 10, 2017
Human Health	Human Exposure Under Control	Human Exposure Under Control
Groundwater Migration	N/A (OU2)	N/A (OU2)
Protectiveness Statement	Protective of Human Health & Environment	Protective of Human Health & Environment
Site-Wide Ready for Anticipated Use	No	No
Issues	None	None – minor findings
Recommendations		hard surface inspections, liner inventory



Ongoing Efforts

- 2005 Consent Decree covers OU1
 - All requirements are being fulfilled
 - Monthly reports are submitted to DEQ and EPA
 - Five Year Reviews will continue (next is 2022)
- OU2: additional community input



Conclusion

- 1 Site is protective
- 2 No recommendations
- 3 Findings: improve documentation of inspections and liner
- 4 EPA will continue to oversee monthly reports and the next FYR



Findings

- Warning liner location should be tracked and reported as development and disturbance occurs.
- Establish routine inspection of surfaces that act as cover to prevent exposure.
- Routine reporting on by the PRP to EPA regarding permit requests with City of Portsmouth Permitting authority should be reported annually.
- The site repository should be updated with recent site documents, including recent FYRs.



Findings (2)

- During the 1997 design and implementation phase of the remedy, four flush-mounted monitoring wells were installed. Ensure proper well abandonment.
- City Ordinance 1996-56 coverage includes the area bounded by Race Street to the north and Fifth Street to the east; however, those roads do not intersect. The 350-foot radius from the corner of Seventh and Wavy Street included in the definition does not intersect either of those streets. EPA will evaluate if the ordinance's boundaries are clear and effective.



How Can I Get Involved?

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Community Outreach

- Copies of the Fourth Five-Year Review are available online at the Abex Superfund Site Page.
 - Link: <https://semspub.epa.gov/src/document/03/2243729>
 - Website: <https://www.epa.gov/superfund/abex>
- Factsheet available on site activities and upcoming work
- Sign In Sheet: Five Year Review Interviews, Get updates
- Feedback



Public Information Repository



Address

Portsmouth Public Library
601 Court Street
Portsmouth, VA 23704



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Questions

