

Cleanup Update #2

Antique Chrome Shop Facility

Indianapolis, Indiana

February 2021

For more information

For questions or concerns regarding this site, please contact:

For technical questions

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For general questions

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EPA Community
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800-621-8431,
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U.S. EPA Region 5
77 W. Jackson Blvd.
Chicago, IL 60604-3590

Website:

<http://response.epa.gov/formerhoytmachine>.

Background

The Antique Chrome Shop, also known as the former Hoyt Machine Shop, is located at 1544 Samoa St. The facility was used for industrial purposes beginning in the 1920s until 2011. At the request of the city of Indianapolis, EPA tested soil and soil gas (air found in between soil particles) for hazardous substances. EPA found high concentrations of trichloroethene, or TCE, and lead in on-site soil, and high TCE in soil gas south of the site near residential properties. EPA was concerned that an environmental problem known as “vapor intrusion” could occur. Vapor intrusion takes place when chemicals in soil and groundwater (water below the surface) give off hazardous chemicals that can rise through the soil and seep into buildings through foundations, and potentially be inhaled by residents. EPA signed an action memorandum in July 2020 to initiate cleanup actions.

Air Sampling Results

As of early February, EPA tested the air inside two additional homes for chemical vapors from the site, bringing the total tested to six homes. Testing results from those properties showed that vapors were below screening levels. Still, EPA is hoping to sample the remaining properties within the area (*see map below*). If your property has not been tested, please consider doing so. You can request testing by contacting EPA or downloading a Consent for Access form from <https://response.epa.gov/formerhoytmachine>.



Site boundaries are in a thick lined box, while residential sampling area is in a thin lined box.

Treatment Injections

In January, EPA completed direct injection of zero-valent iron, or ZVI, to clean up TCE in site soil. Direct injection involves mixing ZVI with water to create a slurry, which is pumped down holes into the contaminated soil. EPA injected over 97,000 pounds of ZVI and 30,000 gallons of water into 300 holes. EPA anticipates significant reductions in TCE within a few months.



EPA contractors injecting Zero Valent Iron.

Groundwater and Soil Gas Testing

EPA is testing groundwater and soil gas to monitor the effectiveness of ZVI treatment. The groundwater is being tested for volatile organic compounds like TCE, dissolved gases, iron, and other compounds. The soil gas is also being tested for volatile organic compounds.



Collecting groundwater samples near the site.

Additional Community Outreach

In November 2020, EPA released a Community Involvement Plan for the Antique Chrome Shop site, available for download from our website (*see first page*). This plan contains information on the site's history as well as resident's concerns. To further benefit the community, EPA is looking for additional residents to speak with regarding this site. During an informal discussion, EPA will learn about you and ask questions to help us understand your interest about ongoing investigations and cleanup at the site.

If you'd like to participate in a short interview, please contact Kirstin Safakas, EPA Community Involvement Coordinator, at:

Email: safakas.kirstin@epa.gov

Office: 312-886-6015

Cell: 312-919-4621

Next Steps

In March, EPA will test the soil on-site to determine if TCE levels have been reduced. EPA will also continue testing groundwater and soil gas on a monthly basis through April, at a minimum. Additionally, EPA and its contractors are planning to excavate lead-contaminated soil throughout the spring of 2021.



Collecting soil gas samples from monitoring wells that were installed in the fall.