Stericycle - Georgetown

Site Groundwater Cleanup to Begin

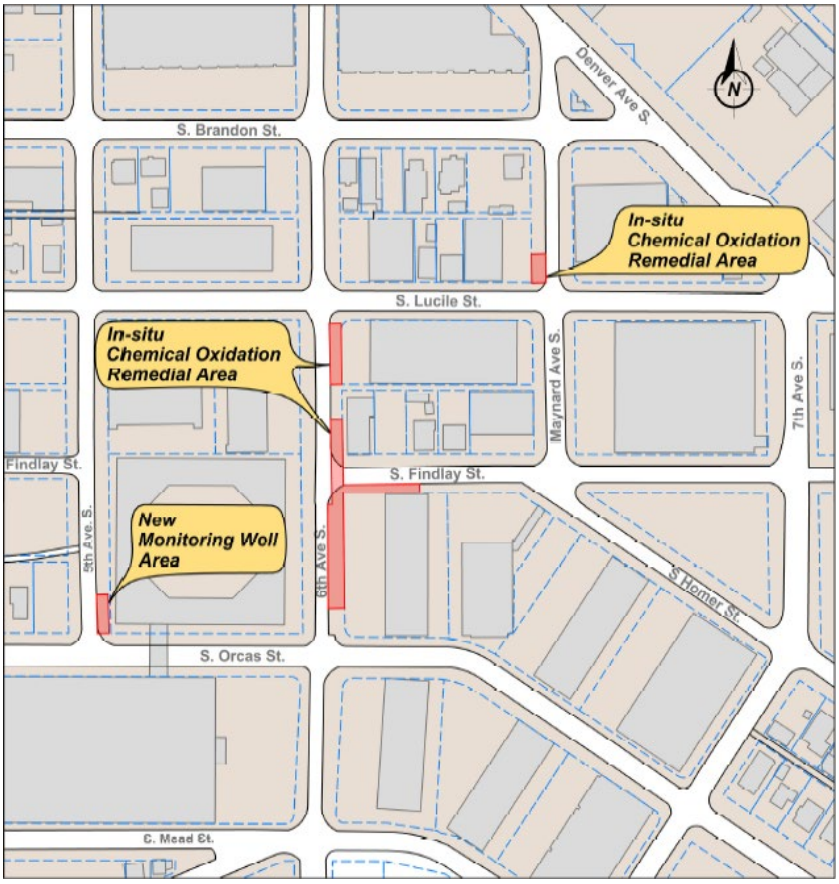
Beginning in late 2019, contractors working for Stericycle[1] will implement a groundwater cleanup action to reduce levels of the contaminant 1,4-dioxane. The design of this cleanup action was preceded by studies (from 2016 to 2018) Stericycle conducted to determine the best remediation "technology" for the Georgetown site. The technology to be used is called *in situ chemical oxidation*, or "ISCO."

Stericycle is performing this work under an Agreed Order with the Washington State Department of Ecology. Ecology's website provides additional information about the cleanup; see: https://apps.ecology.wa.gov/gsp/Sitepage.aspx?csid=2622

In-Situ Chemical Oxidation Remedy

The oxidants chosen for this project are sodium persulfate and hydrogen peroxide. They will be injected into the aquifer in the areas shown to the right. There are 3 general areas for injections:

(1) near the intersection of S. Lucile St. and Maynard Ave. S.;
(2) along the east side of 6th Ave. S., between S. Lucile St. and S. Orcas St.; and,
(3) along S. Findlay St., for about half a block east of 6th Ave. S.



Near the intersection of Lucile St. and Maynard Ave. the oxidants will be injected into existing wells. In the other two areas a mobile "direct-push" drilling rig will inject the oxidizing solution 35-75 feet below the surface at 35-45 points.

What about public safety?

Drinking water is supplied by the City and is not affected by the groundwater contamination. Nor will it be affected by the oxidant injections.

Stericycle has worked with the Department of Ecology and the City of Seattle to create a plan to protect the public and the environment during the injection activity. An

[1] The Stericycle-Georgetown site is also known as the "Burlington Environmental-Georgetown" and "PSC-Georgetown" site.

"exclusion zone" will be marked off around the work areas during all injection times. **Please remain outside these zones**. Sodium persulfate and hydrogen peroxide are corrosive hazardous chemicals and, if contacted, can burn the skin and eyes. They can also irritate respiratory systems after prolonged (inhalation) exposures.

The oxidants will only be present aboveground in tanks, piping, and hoses within the Exclusion Zone. In these areas, berms and other measures will be used to contain any spills that may occur. Stormwater catch basins near the injection sights will also be covered and protected. If there is a spill of hazardous solutions, Stericycle will immediately notify the Department of Ecology's Environmental Report Tracking System and the Ecology site manager.

Will this work be disruptive?

Stericycle has designed the work so that most traffic lanes in the area can remain open. However, S. Findlay St., between 6th Ave. S. and Maynard/Homer, will be closed between 9AM and 4PM for 1-2 days during the work.

The availability of shoulder parking on the east side of 6th Ave. S., between Lucile and Orcas Sts., will be limited while injection activities are being performed. Stericycle expects to complete injections in this area over an approximately 2-week period in January.

There will also be noise at the injection areas while the contractors are drilling the temporary injection points.

How did the contamination happen?

Prior to its closure in 2003, a hazardous waste management facility operated at 734 S. Lucile St. The facility stored solvents and other chemicals in underground tanks. Before the tanks were removed, 30 years ago, they leaked these chemicals into the environment.

1,4-dioxane is a toxic chemical that was added to certain chlorinated solvents. When these solvents are released into the environment, 1,4-dioxane can be released as well. The cleanup action targets those areas and depths of groundwater contamination where levels of 1,4-dioxane are highest.

Questions?

Contact:

- **Greg Fink, Stericycle Greg.Fink@STERICYCLE.com**
- **Ed Jones, Ecology's Stericycle-Georgetown site manager with any questions about this notice, or other aspects of the cleanup. ejon461@ecy.wa.gov or 425-649-4449.**