

## Park Laundry Investigation Continues

The Park Laundry property is located at 122 N. Main Ave. in Ridgefield. It was used as a laundry and likely dry cleaners from about 1965--1977. During that time, dry cleaning chemicals were released to the environment.

Sampling found two volatile solvents (chemicals that evaporate easily) tetrachloroethylene (PCE) and trichloroethylene (TCE) at the site. These chemicals were found above state cleanup levels in soil, soil gas, and groundwater. Soil gas is air found in the space between soil particles. Ecology and Union Ridge, the property owner, have been investigating the nature and extent of contamination since 2003.

### Vapor Intrusion Investigation

After reviewing soil gas and groundwater data from 2011, Ecology determined that further investigation was needed to find the full extent of contamination, and to study the possibility of vapor intrusion.

**Vapor intrusion** occurs when volatile chemicals, like PCE and TCE, move from soil and groundwater into air in buildings. Union Ridge is doing a vapor intrusion investigation — under Ecology oversight. The purpose is to find out if there is a health threat to people using buildings near the property.

In February 2012, Ecology sent building surveys to more than two dozen building owners and tenants. Ecology chose those structures because they were over or near the known groundwater contamination (plume) (see page 3).

### Indoor Air Sampling

In October 2012, Union Ridge sent building surveys to 30 building and home owners and tenants. In November 2012, Union Ridge sampled indoor air in nine structures in Ridgefield where they received access. Sampling included:

- Collecting air samples in crawl spaces.
- Collecting air samples from living and working spaces in buildings. Sampling used collectors called Summa canisters
- Measuring outdoor air near buildings where indoor air was sampled to compare them with “background” levels.
- Sampling soil gas under or near buildings where indoor air was sampled.

#### FOR MORE INFORMATION

##### Site Investigation

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#### Site Document Locations

##### Ridgefield Library

210 N. Main Ave.  
Ridgefield, WA 98642  
(360) 887-8281

##### WA Department of Ecology

Southwest Regional Office  
Toxics Cleanup Program  
300 Desmond Drive  
Lacey, WA 98503  
Call or email for an appointment  
(360) 407-6365 or  
Debbie.Nelson@ecy.wa.gov

##### Ecology's Website

<https://fortress.wa.gov/ecy/gsp/Sitepage.aspx?csid=4099>

Facility Site ID# 8100630



### Results of Indoor Air Sampling

The November 2012 indoor air sampling showed these preliminary results:

- Sampling detected 1,2 Dichloroethane (DCA) above state screening levels in eight of nine locations. DCA is a common chemical and breakdown product of PCE. It was also found in outside air. This suggests that it was not from the Park Laundry contaminant plume.
- TCE was found well above the state screening level in indoor air samples taken at the fire station. However, no TCE was found in sub-slab samples. This indicates that the TCE source may have been from something inside the fire station.

**Neither PCE, TCE nor their breakdown products from the Park Laundry groundwater plume seem to be causing vapor intrusion in the tested buildings.**

### Chemical Sources

TCE and PCE are the main chemicals of concern from Park Laundry. These chemicals are common. They have many uses. They breakdown into products that also have many uses. As a result, it is not surprising to find these chemicals when doing air sampling. This does not mean that they are coming from the Park Laundry groundwater plume.

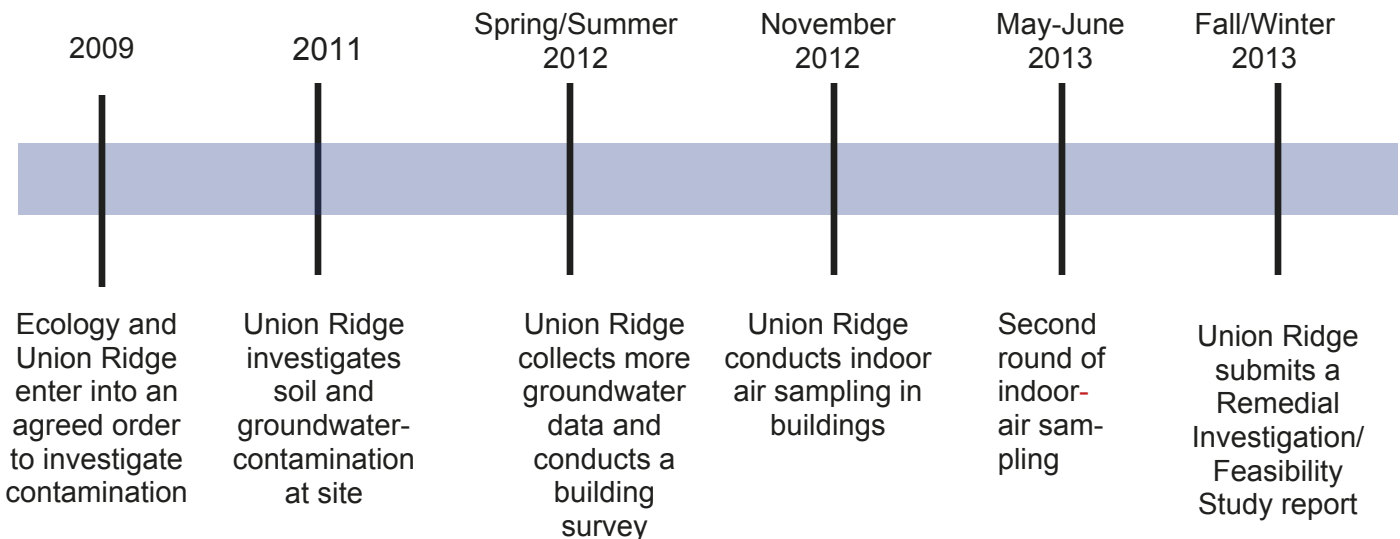
### Why Cleanup Matters

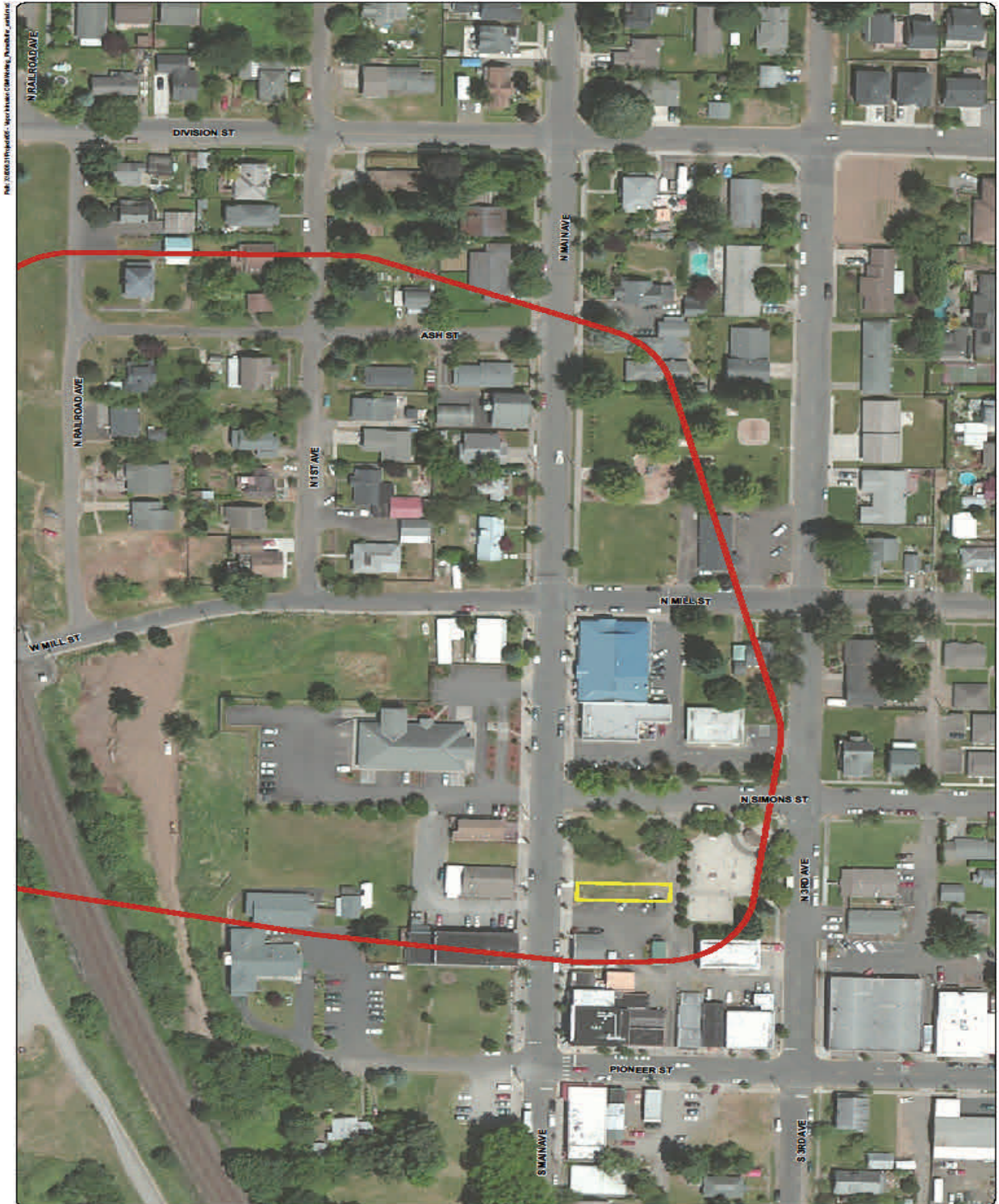
Ecology is concerned about any contamination that potentially impacts human health and the environment. At the Park Laundry site, the contamination primarily poses a potential threat to indoor air at nearby buildings.

PCE and TCE are volatile chemicals, which means they readily evaporates. PCE can pose a hazard to human health. The effects of PCE will vary depending on amount and length of exposure.

### Next Steps

To confirm the Park Laundry plume is not causing vapor intrusion, Union Ridge will do another round of indoor air sampling around May 2013. Union Ridge will also continue to collect groundwater samples every three months throughout downtown Ridgefield and develop a Remedial Investigation Report, a Feasibility Study and, finally, a Cleanup Action Plan.





**Park Laundry Groundwater Plume**

The plume boundary on this map shows the extent of the contaminated groundwater from the Park Laundry site. The plume shown here is approximate. It is based mainly on data from groundwater monitoring wells, plus a 100-foot buffer.

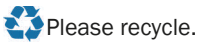
**Approximate plume boundary** ————

**Former Park Laundry location** ————



DEPARTMENT OF  
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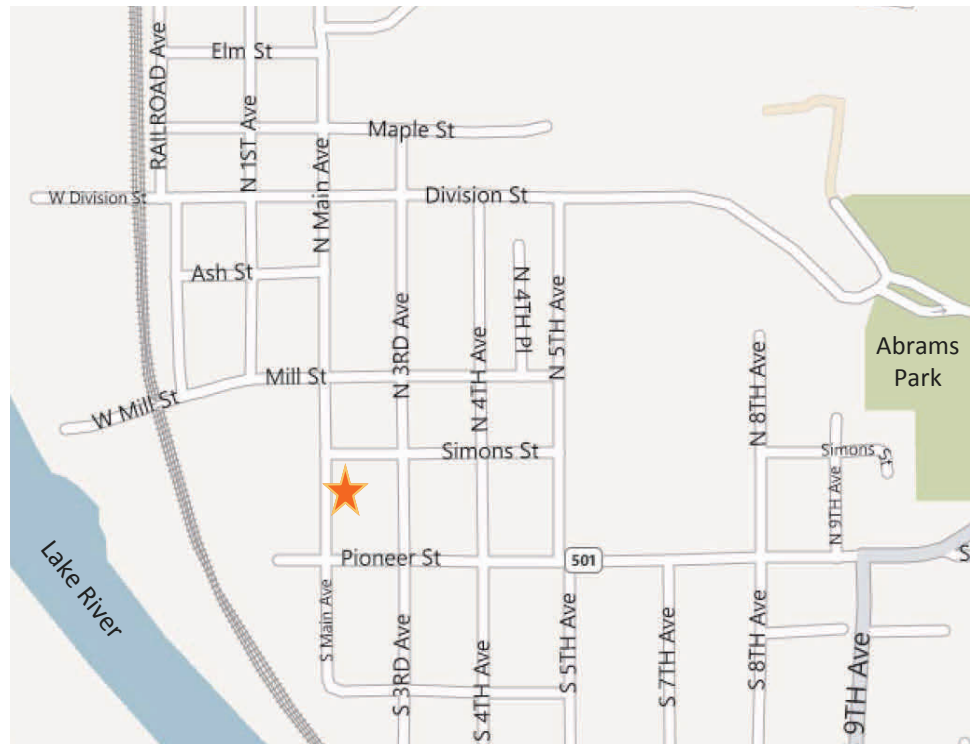
## **Park Laundry Clark County, WA**

### **Update on Cleanup Site Investigation**

Facility Site ID #8100630

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Park Laundry site, 122 North Main Avenue, Ridgefield