



Fruit Valley Neighborhood

Groundwater & Soil Investigation and Cleanup

Work UPDATE

ВЫ ГОВОРИТЕ ПО-РУССКИ? Это объявление содержит важную информацию о вашем районе. Если вы не можете читать по-английски и вам эта информация нужна на русском языке, пожалуйста, свяжитесь с нами по телефону (360) 407-6255.

¿HABLA ESPAÑOL? Esta actualización contiene información importante acerca de su vecindario. Si no lee inglés y necesita esta información en español, por favor comuníquese con nosotros al (360) 407-6255.

The **Washington State Department of Ecology (Ecology)** and the **Port of Vancouver (Port)** are working together to continue the investigation and clean up of contaminated groundwater in your neighborhood. The **Washington State Department of Health (DOH)** continues to evaluate the investigation, cleanup plans and findings to address any health issues. **This update contains:**

- **New information** about recent air sampling in the South Fruit Valley Neighborhood (SFVN).
- Background and **historical information** about the Cadet and Port site cleanups.
- **Contact information** for Ecology, DOH and Port representatives.

NEW INFORMATION!

Indoor air sampling results From South FVN

Air testing inside some homes in the SFVN in September show that solvent vapor levels are low and **DON'T pose an immediate health threat.** Currently, none of the tested homes need installation of vapor filtration systems. We are continuing to study the situation.

WHAT NEXT?

Sampling will continue at both sites to monitor solvent levels and cleanup progress.

- ⇒ Groundwater will be sampled regularly.
- ⇒ Indoor, outdoor and soil gas data are being studied to determine what additional sampling is needed.
- ⇒ All data are being reviewed to learn if the nature and extent of contamination has been determined, if it could pose a health threat and to assess final cleanup options.

NEW TO THE FRUIT VALLEY NEIGHBORHOOD?

The background information on this page explains the cleanup process and how it impacts the Fruit Valley Neighborhood. If you have questions, please use the contact information on this page. We are here to help you!

BACKGROUND

Trichloroethylene (TCE), a solvent used in production of electric home heaters (to degrease metal before painting), was found at the Cadet and former Swan Manufacturing Company (SMC). TCE and other solvents entered the groundwater underneath these properties and traveled beneath both the northern and southern parts of the Fruit Valley Neighborhood (FVN). **Please note: Groundwater beneath the FVN is not used for drinking water.**

February 2007

QUESTIONS?

Please contact us...

For questions about **sampling, project status and cleanup efforts,**
Craig Rankine
Washington State
Department of Ecology
Phone: (360) 690-4795
Email: cran461@ecy.wa.gov

For questions about **health issues,**
Barbara Trejo
Washington State
Department of Health
Toll Free Phone:
1-877-485-7316
Email:
Barbara.Trejo@doh.wa.gov

For more **copies of this update** or other fact sheets,
Meg Bommarito
Washington State
Department of Ecology
Phone: (360) 407-6255
Email: mbom461@ecy.wa.gov

For questions involving the **Port of Vancouver,**
Katy Brooks
Port of Vancouver
Phone: (360) 992-1128
Email: kbrooks@PortVanUSA.com

Background cont.

Cadet (still operating) is located at 2500 W. Fourth Plain Boulevard (in 1976, degreasing using TCE stopped). SMC was located between 2001 and 2501 W. Fourth Plain Boulevard and moved to the current Cadet site in 1964. Cadet bought SMC in 1972. The Port of Vancouver (Port) is responsible for the cleanup at the SMC site. In May 2006, the Port purchased the Cadet property and assumed cleanup responsibility for that site.

INVESTIGATION

- The Port is actively working with Ecology investigating and cleaning up contamination at both sites. The Port and Ecology are also working with the DOH to address possible health concerns.
- Many test wells have been installed and water samples tested to evaluate the amount and location of solvents in the groundwater associated with these two sites. **Results show contaminated groundwater from Cadet has traveled beneath North FVN (NFVN) and contaminated groundwater from Swan has traveled beneath the SFVN. The contamination flows together beneath the SFVN.**
- While residents in the FVN would not normally come into contact with contaminated groundwater, these solvents can evaporate from the groundwater and enter the soil as vapors. These vapors can move through the soil toward the ground surface and, potentially, into indoor air. Indoor air sampling was conducted in the North and South FVNs.
- **Results of indoor air sampling from homes in the NFVN show solvent vapors from the contaminated groundwater were entering indoor air of a few homes.** However, based on sampling results (from North and South FVNs) and information about the human health impacts of solvents, the Department of Health determined there is no immediate threat to human health at the sampled homes.
- Although no immediate health threat is found at these homes, DOH recommended reducing or removing exposure to the solvent vapors. This recommendation was only for homes where levels were

the highest and it appeared likely that vapors were coming from solvent contaminated groundwater. To reduce exposure, Ecology requested that Cadet install solvent vapor filtration systems in six homes. Indoor air sampling in the SFVN shows the solvent vapor levels there do not need vapor filtration systems. ECY and the Port are continuing to study the situation in both areas.

CLEANUP EFFORTS

Various methods have been or are used to reduce solvent levels in soil and groundwater at the two sites and in the FVN.

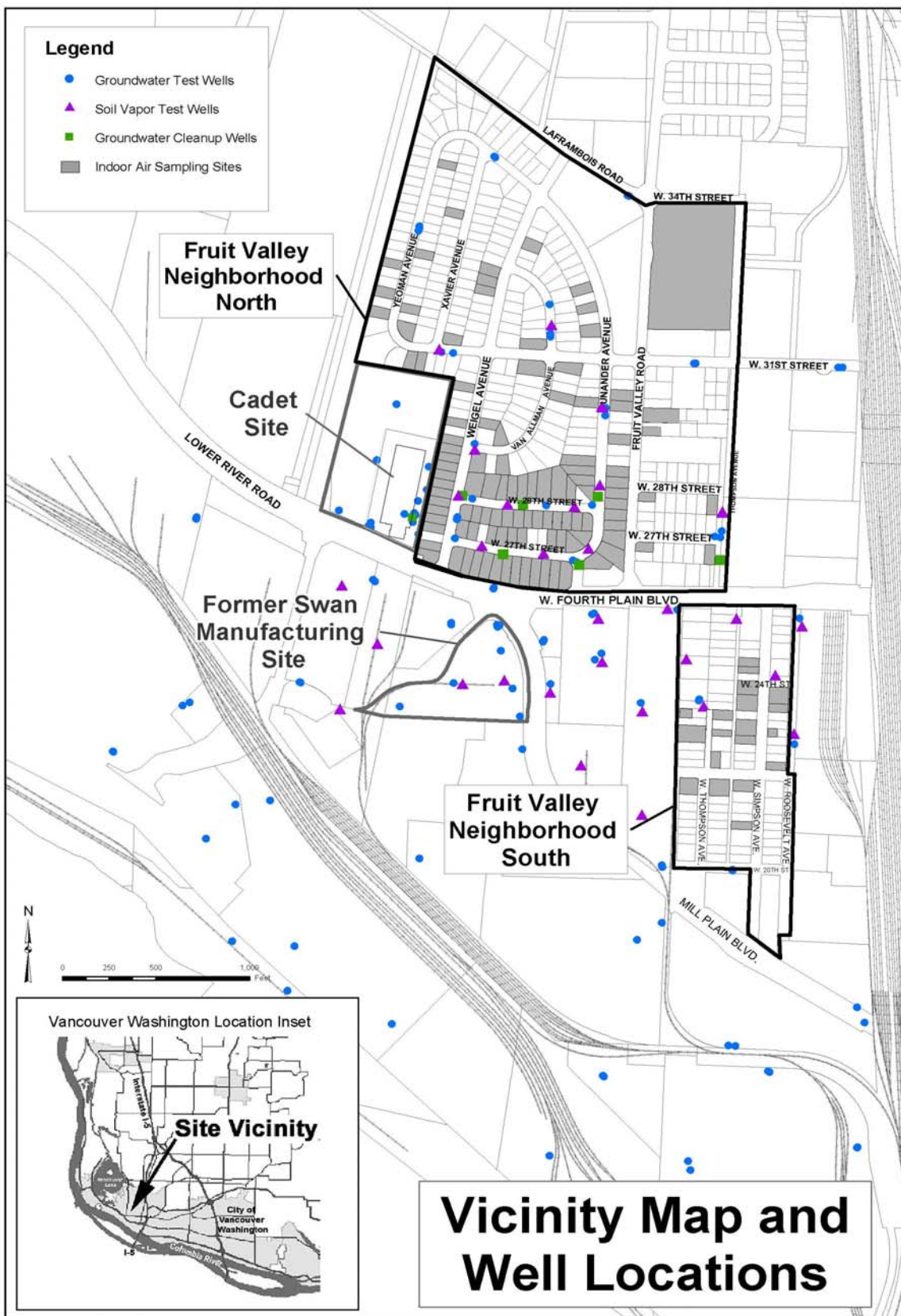
- At the **former SMC site**, most of the soil containing solvents was removed from the site.
- Solvent levels in groundwater at the **former SMC site** were reduced by injecting oxidizing compounds. This agent breaks down the solvent into non-toxic compounds like water, carbon dioxide and dissolved chloride (like in table salt).
- At the **Cadet facility** solvent levels are reduced in groundwater using an air injection well field. Solvents move from groundwater into vapor in the soil and then are removed using vacuum wells. These same vacuum wells also remove solvents released in the soil.
- In the **North FVN** solvent levels are reduced in groundwater through installation of seven groundwater recirculating wells. These wells pump contaminated groundwater, inject it with oxidizing agent and then release treated water and excess oxidizing agent back into the ground. The excess oxidizing agent will continue to break solvents down further away from well.

For information about other opportunities for public involvement such as meetings, hearings, open houses and workshops, please visit Ecology's Public Involvement Calendar at <http://apps.ecy.wa.gov/publiccalendar/calendar.asp>

While you are at the calendar page, you may click on the link *Frequently Asked Questions about Effective Public Commenting* and learn more about the public comment process.

Please see next page for a map of the cleanup sites and well locations.

**THANK YOU FOR YOUR COOPERATION WITH THIS
IMPORTANT INVESTIGATION AND CLEANUP EFFORT!**



TAXLOTS AND RAILROAD THEMES FROM CLARK COUNTY GIS DATABASE. DRAWING COURTESY OF AMEC EARTH AND ENVIRONMENTAL, INC. K:\10000\10100110135\DMG\PRESENTATION GRAPHICS\Sent Out\vicinity map with wells.mxd

FOR YOUR INFORMATION! Please contact the following locations for site information or use the Ecology website at http://www.ecy.wa.gov/programs/tcp/sites/cadet/cadet_hp.htm

Department of Ecology / SW Regional Office
 Toxics Cleanup Program
 300 Desmond Dr.
 Lacey, WA 98503
 (360) 407-6365
 (All site documents)

Vancouver Regional Library
 Reference Desk
 1007 E. Mill Plain Blvd.
 Vancouver, WA 98663
 (360) 695-1566
 (Fact sheets and public comment documents)



Department of Ecology
Southwest Regional Office
PO Box 47775
Olympia, WA 98504

**Fruit Valley Neighborhood -
New information and updates inside!**

**¿HABLA ESPAÑOL? ¡INFORMACIÓN SOBRE
TRADUCCIÓN EN EL INTERIOR!**

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О ПЕРЕВОДЕ – ВНУТРИ!**