

## Additional Wells to Be Installed in Northern Algonia

Under the oversight of the Department of Ecology (Ecology), The Boeing Company's contractor, Landau Associates (Landau), will conduct drilling work in the residential area of northeast Algonia, in the Junction triangle area and along the Interurban Trail north of the Junction triangle. The sampling is part of the ongoing investigation at the Boeing Auburn Fabrication Site.

### Q: What will be done and why?

**A:** Starting in early June, Landau will install groundwater wells similar to the existing monitoring wells located on 11th and Chicago Avenues. Landau plans to install 12 new wells and conduct 14 direct-push borings. The direct-push borings allow one-time sampling (up to a depth of 45 feet below the ground) similar to the work conducted in April 2013 at various locations in northern Algonia. Groundwater wells could go as deep as 100 feet below the ground.

Groundwater in the area flows to the northwest, thus the contaminated groundwater plume is oriented northwest from the Boeing Auburn Fabrication site. The purpose of the drilling work is to more clearly define or verify the edges of the contaminated groundwater and to find out if concentrations of contaminants increase or decrease over time. All sampling results will be reported to Ecology and made available to the public.

### Q: Where will the wells and borings be installed?

**A:** Wells and borings will be located on public rights-of-way, in roadways, and on road shoulders. Drilling will cause short-term traffic detours or slowdowns in some places. Flaggers and traffic control signs will be present at locations that require temporary lane closures. Residents and businesses will be able to access their driveways while work is occurring. The map on page three shows approximate locations of the wells and direct-push borings. Some locations may need to change slightly to avoid conflicts with underground or overhead utilities.

## More Information

- **Call the project hotline!**  
**253-219-7645**
- **Visit one of our drop-in sessions to have your questions answered by Ecology staff:**  
June 19, 2014, 4:30-7 pm  
July 16, 2014, 4:30-7 pm
- **Submit comments and technical or outreach questions to:**  
[BoeingAuburnSite@enviroissues.com](mailto:BoeingAuburnSite@enviroissues.com)
- **Or visit Ecology's website:**  
[www.ecy.wa.gov/programs/hwtr/cleanupSites/boeing-fabn/index.html](http://www.ecy.wa.gov/programs/hwtr/cleanupSites/boeing-fabn/index.html)



Use this quick response (QR) code and your smart phone to be connected quickly!

*If you need this publication in an alternative format, call 425-649-7117. Persons with hearing loss, call 711 for Washington Relay Service. Persons with speech disability call (877) 833-6341.*

*Si necesita información en español, favor de contactar a Luis Buen Abad al 425 649-4485.*

**Q: How long will the drilling take?**

**A:** Each groundwater well takes one to two days to install. Drilling will begin June 9, 2014 and last about seven weeks. Landau will install the wells during normal work hours, approximately 7 a.m. to 6 p.m.

**Q: What is used to drill the wells?**

**A:** A drill rig is used to remove the soil and install the groundwater well (in the case of well installation) or to push a device that allows Landau to collect a water sample (in the case of a direct-push boring).

The drill rig vibrates or hammers a core barrel down into the soil. The engines on the drill rig and the vibration of the core barrel are loud, so please anticipate some additional noise during work hours.

Each monitoring well will have an 8-inch diameter cover (see photo on right). Direct-push borings will be backfilled with grout after they are drilled and the hole will be patched. The excess soil, soil cuttings, and waste soil will be placed in containers and transferred to the Boeing facility.

**Q: What happens after the drilling?**

**A:** Once the wells are installed, Landau will return in one to three weeks to sample. Water level measurements and sampling will take approximately one hour per well at each visit. Landau will return periodically to do more sampling.

**Q: What happens to the samples?**

**A:** Groundwater samples will be sent to a laboratory for testing. Tests will determine if contaminants are in groundwater at each location. Results will be validated and a technical summary prepared. Ecology will post the results on its website.



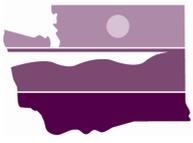
The direct-push rig is a large machine with many moving parts. Warning signs will be posted in the vicinity of the work area. We ask that everyone, especially children and pets, stay at least 25 feet from the work area.



Monitoring well cover.

### Approximate Locations of the Wells and Direct-push Borings





DEPARTMENT OF  
**ECOLOGY**  
State of Washington

3193 160<sup>th</sup> Avenue SE  
Bellevue WA 98008

## **Additional wells to be installed in Northern Algonia starting June 9, 2014**

The Boeing Company's contractor will conduct drilling work as part of the ongoing investigation at the Boeing Auburn Fabrication site. Check inside for answers to some common questions.

**Submit comments and technical or outreach questions to:**

[BoeingAuburnSite@enviroissues.com](mailto:BoeingAuburnSite@enviroissues.com)