



Boeing Auburn Fabrication Site Cleanup



Project Background

In parts of Auburn and Algonia, groundwater— the water that flows under the ground through the soil – is contaminated with a degreaser called trichloroethene (TCE) and its breakdown products. It is believed that the chemicals originated from the Boeing Auburn facility. The contaminated groundwater (called a plume) flows north and northwest away from the Boeing property into portions of southwest Auburn and northeast Algonia. To date, the chemicals found are at low levels that are not expected to pose a risk to human health and the environment. If chemicals are found to be an immediate risk, Ecology will direct Boeing to implement interim actions to reduce risk.

The Department of Ecology (Ecology) is overseeing the Boeing Company's investigation of the contamination and will select and review a plan for cleanup.

The Remedial Investigation

The contaminated groundwater (called a plume) flows north and northwest away from the Boeing property into portions of southwest Auburn and northeast Algonia. A Remedial Investigation is necessary to understand the source and extent of the contamination at the site. The map to the left shows the shallow and intermediate groundwater contamination.

Chemicals could enter the body three ways:

- Breathing
- Touching
- Swallowing

This is referred to as exposure. To date, the environmental samples collected have demonstrated that human exposure to the chemicals released is very low.*

What is TCE?

- An industrial degreaser and volatile organic compound (VOC), also found in common household products like paints, glues, spot removers and pepper spray.
- Able to break down into other chemicals, such as vinyl chloride (VC) and less toxic by-products.

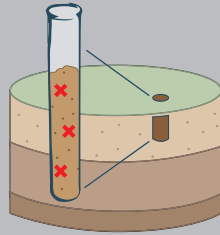


The site includes areas where the groundwater investigation has occurred.

The Cleanup Process

Boeing's cleanup must follow the Washington State Model Toxics Control Act (MTCA) cleanup regulations. Currently, the project is in the Remedial Investigation phase.

Remedial Investigation



A Remedial Investigation defines the nature, extent, and magnitude of pollution at a site in order to identify the best method for cleanup.

Interim Action

If the contaminants are found to pose a risk to human health or the environment, Ecology will direct Boeing to take immediate action to reduce this risk. **This happened on the Boeing property in 2004, when an Interim Action was taken to contain a known source for the plume.** Since that time, chemicals found have been at low levels and not expected to pose a risk to human health or the environment.



Feasibility Study



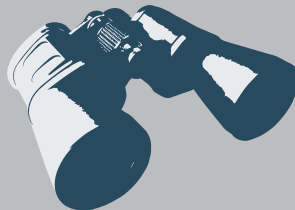
The Feasibility Study takes the information from the Remedial Investigation to identify and evaluate cleanup alternatives. Then an optimal alternative will be selected and incorporated into the Cleanup Action Plan.

Cleanup Action Plan




The Cleanup Action Plan specifies cleanup standards, methods, and schedule, describes the steps to be taken, and includes any additional environmental monitoring required during and after the cleanup.

Cleanup & Monitoring



Implementation of the Cleanup Action Plan includes design, construction, operations and monitoring.

 Opportunities for public comment

What is being investigated?

Groundwater

An extensive network of wells has been installed throughout the site to monitor the locations and concentrations of contaminants over time. The Department of Health monitors the drinking supplies regularly, which are located a safe distance away from the contamination.

Surface Water

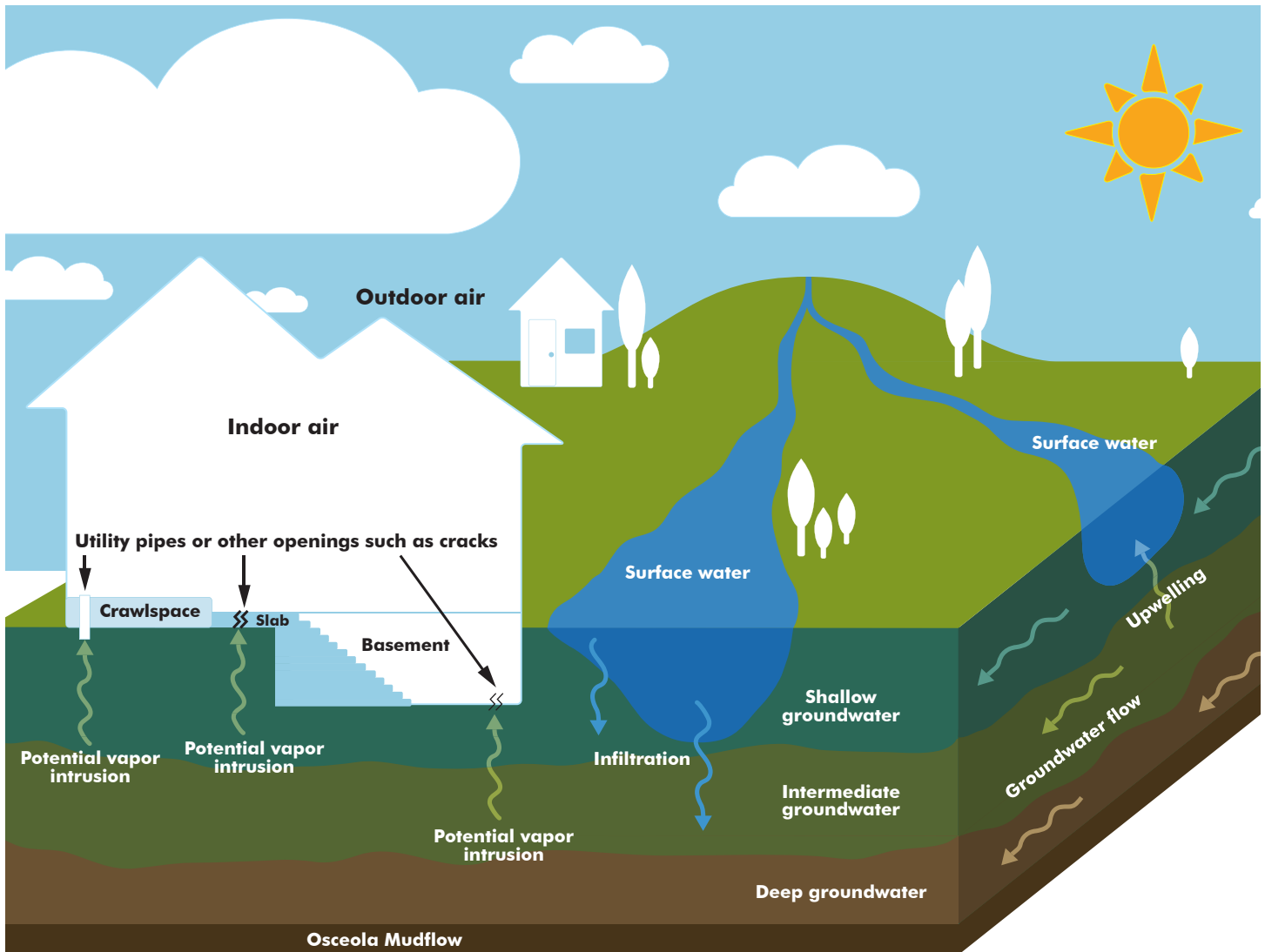
Water samples are collected from ditches and yards to determine if the chemicals are present.

Air Quality

Indoor air and the air above surface water is tested to determine whether chemicals pass from the groundwater to the air as vapor.*



Drilling for groundwater samples in northeast Algona.



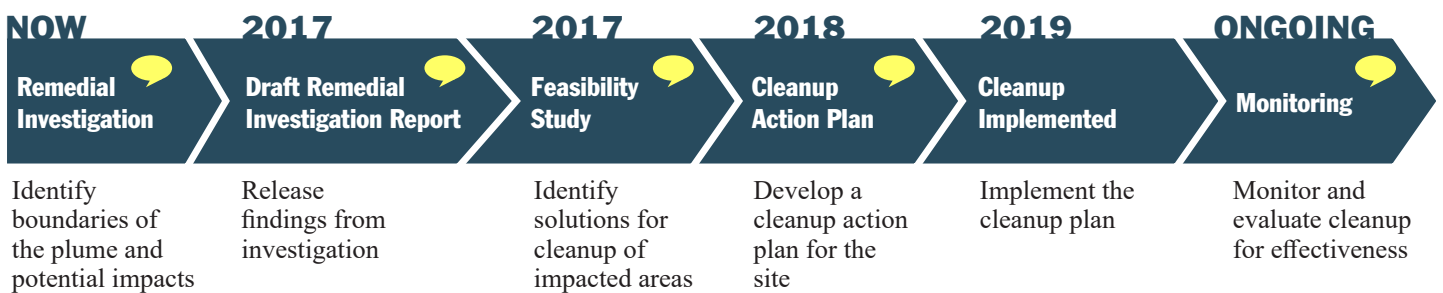
How contaminants can move through groundwater, surface water and air.

What's next?

After the Remedial Investigation is complete, the Feasibility Study will evaluate options for cleanup. Throughout the cleanup process there will be opportunities for public comment.



Anticipated Schedule



Opportunities for public comment

Ecology encourages feedback from the community. Public comment periods are held at key points throughout the cleanup process.

For more information

Call our hotline: (253) 219-7645

Email the project: BoeingAuburnSite@ecy.wa.gov

Visit the website: [Bit.ly/EcyBoeingAuburn](https://fortress.wa.gov/ecy/gsp/CleanupSiteDocuments.aspx?csid=5049)

*To learn more about the Washington Department of Health consultations and results of the Remedial Investigation to date, visit the Document Library on our website!

<https://fortress.wa.gov/ecy/gsp/CleanupSiteDocuments.aspx?csid=5049>

To request ADA accommodation including materials in a format for the visually impaired, call Ecology at 425-649-7000. Persons with impaired hearing may call Washington Relay Service at 711. Persons with speech disability may call TTY at 877-833-6341.

ਜੇ ਤੁਸੀਂ ਇਹ ਜਾਣਕਾਰੀ ਪੰਜਾਬੀ ਵਿੱਚ ਲੈਣੀ ਚਾਹੋ, ਤਾਂ ਈਕੋਲੋਜੀ ਸਟਾਫ਼ ਦੇ ਕਮਿ ਮੈਂਬਰ ਅਤੇ ਇੱਕ ਦੁਭਾਸ਼ੀਏ ਨਾਲ ਗੱਲ ਕਰਨ ਵਾਸਤੇ ਕਰਿਪਾ ਕਰਕੇ 425-649-7181 'ਤੇ ਕਾਲ ਕਰੋ। ਕਰਿਪਾ ਕਰਕੇ ਨੋਟ ਕਰੋ, ਦੁਭਾਸ਼ੀਏ ਤਕ ਪਹੁੰਚਣ ਲਈ ਈਕੋਲੋਜੀ ਨੂੰ ਕਮਿ ਬਾਹਰੀ ਪਾਰਟੀ ਨੂੰ ਕਾਲ ਕਰਨ ਦੀ ਲੋੜ ਹੋਵੇਗੀ, ਜਿਸ ਵਿੱਚ ਇੱਕ ਮਿਟਿ ਤਕ ਲੱਗ ਸਕਦਾ ਹੈ।

Kung nais mo ang impormasyon na ito sa Tagalog, pakitawagan ang 425-649-7181 upang makipag-usap sa isang tauhang miyembro ng Ekolohiya at isang tagapagsalin ng wika. Pakibigyang pansin, mangangailangan ang Ekolohiya na dumayal ng isang nasa labas na partido upang maabot ang isang tagapagsalin ng wika, na maaring abutin ng hanggang isang minuto.

Якщо ви хочете отримати цю інформацію українською мовою, будь ласка, зателефонуйте 425-649-7181, щоб поговорити зі співробітником Департаменту Екології та перекладачем. Будь ласка, зверніть увагу, що співробітнику Департаменту Екології необхідно буде запросити для розмови перекладача, що може зайняти до однієї хвилини.

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