

# Boeing Everett Draft Documents Available for Review & Comment



Aerial View of Boeing Everett

## Comments accepted:

Feb. 15 – April 19, 2021

## Submit comments:

Online:

<http://bit.ly/BoeingEverettComments>

By mail:

Paul Bianco, Site Manager  
 3190 160<sup>th</sup> Avenue SE  
 Bellevue, WA 98008-5452  
 425-649-7253  
[paul.bianco@ecy.wa.gov](mailto:paul.bianco@ecy.wa.gov)

## Site info:

Webpage:

[ecology.wa.gov/BoeingEverett](http://ecology.wa.gov/BoeingEverett)  
 Facility Site ID: 2703  
 Site Cleanup ID: 4534

## See inside for document review locations.

A virtual public meeting will be held if at least 10 people request one.

## We want to hear from you!

Ecology invites you to comment on a draft Remedial Investigation, Feasibility Study, and Supplemental Feasibility Study; draft Cleanup Action Plan; Enforcement Order; draft Agreed Order; draft Permit Lite; draft State Environmental Policy Act Checklist; and draft Public Participation Plan for Boeing Everett in Everett, Washington.

**Draft Remedial Investigation (RI), Feasibility Study (FS), and Supplemental (SFS):** The RI studies the site conditions and contamination so the FS and SFS can compare cleanup actions.

**Draft Cleanup Action Plan (dCAP):** Ecology prepared this dCAP that describes the cleanup actions and sets the cleanup standards.

**Enforcement Order:** Boeing asked Ecology to use an Enforcement Order to implement the Cleanup Action Plan.

**Draft Agreed Order (AO):** Boeing and Ecology decided to use an Agreed Order to implement the Cleanup Action Plan for the portion of the site called the Bomarc property so it can be sold.

**Draft Permit:** A Permit Lite is a “Dangerous Waste Corrective Action Permit” that allows environmental cleanup at the site to continue.

**Draft State Environmental Policy Act (SEPA) Checklist and Determination of Non-Significance (DNS):** A SEPA checklist evaluates actions to find negative impacts. This proposed action resulted in a DNS.

**Draft Public Participation Plan (PPP):** The PPP encourages comment and involvement in cleanup decisions from the community.

When the public comment period ends, we consider all public comments and may change the documents based on them. After considering all public comments, the documents will become final.

## Public Meetings

At this time, there are no public meetings scheduled for this comment period. To request a virtual public meeting, please call 425-301-6454 or email [janelle.anderson@ecy.wa.gov](mailto:janelle.anderson@ecy.wa.gov).

## Washington state's coronavirus response

Due to the coronavirus response, we are not hosting in-person public meetings or supporting physical document repositories. Documents for review are available online only. If a hearing is requested, we will determine the appropriate response under Washington's Stay Home, Stay Healthy order. If you need access to a hard copy document, would like to request a hearing, or have other questions, please contact Janelle Anderson at 425-301-6454 or [janelle.anderson@ecy.wa.gov](mailto:janelle.anderson@ecy.wa.gov).

## Documents for public comment

Find documents for public comment in the **electronic documents** section (in the right-hand column) on this webpage: [www.ecology.wa.gov/BoeingEverett](http://www.ecology.wa.gov/BoeingEverett).

- **Remedial Investigation (RI), Feasibility Study (FS), and Supplemental Feasibility Study (SFS)**
- **Draft Cleanup Action Plan (dCAP)**
- **Enforcement Order**
- **Draft Agreed Order**
- **Draft Permit**
- **Draft State Environmental Policy Act (SEPA) Checklist and Determination of Non-Significance**
- **Draft Public Participation Plan (PPP)**

## Site Background

Since 1967, the Boeing Company (Boeing) has owned and operated the Boeing Everett Plant, at 3003 West Casino Road. The plant produces commercial aircraft models 747, 767, 777, and 787.

In order to store dangerous waste at a site for longer than 90 days, facilities must have a Resource Conservation and Recovery Act (RCRA) permit that is issued in two parts, Part A and Part B. As the U.S. Environmental Protection Agency (EPA) required, Boeing submitted a Part A permit application in 1980 because it wanted to store its dangerous waste longer than 90 days. After the Part A application is turned in, a facility has **interim status**. Boeing currently has interim status.

Boeing submitted a RCRA Part B Permit Application for dangerous waste storage, but withdrew it in 2002 because it decided not to store dangerous waste on site longer than 90 days. However, Ecology will not end Boeing Everett's RCRA interim status until all site cleanup is complete and the Boeing Everett Plant meets RCRA Corrective Action cleanup requirements.

## How the site became contaminated

During past aircraft production, Boeing released hazardous substances and wastes on site. The releases got into the environment from leaking underground storage tanks, leaking underground piping, a former gun shooting range, spills, site stormwater entering surface water, and other manufacturing practices.

The primary contaminants on the site are:

- Trichloroethylene (a cleaning and degreasing solvent)
- Xylene (a cleaning solvent)
- Toluene (a cleaning solvent)
- Ethylbenzene (a cleaning solvent)
- Jet fuel
- Lead (a toxic metal)
- Arsenic (a toxic metal)
- Hydraulic fluid
- Oil, gasoline and diesel
- Polyaromatic hydrocarbons (PAHs) (solvent chemical known to cause cancer)
- Polychlorinated Biphenyls (PCBs) (long-lasting, hazardous liquid used to insulate electrical equipment)

State and federal laws require that Boeing cleans up contamination on its property and on nearby affected properties. The cleanup protects human health and the environment from the contamination.

## Contamination

The Remedial Investigation (RI) evaluated the nature and extent of soil and groundwater contamination at the site and potential risks to human health and the environment. During the RI, Boeing sampled soil, groundwater, surface water, indoor air, soil gas, sediment, and stormwater to find the contamination.

Contaminants on Boeing property are above state cleanup levels. However, as long as the facility remains as an industrial property, these chemicals do not present a risk to human health.

The main contaminants detected in groundwater north of Boeing property and in Powder Mill Creek are TCE (Trichloroethylene) and TCE breakdown products. TCE is a degreasing solvent once commonly used to clean metal parts. TCE easily evaporates into the air. Under certain conditions in water, it slowly breaks down into other chemicals, such as vinyl chloride. If TCE gets into groundwater, it dissolves and then moves with the natural flow of the water. Ecology has groundwater cleanup standards for TCE and its breakdown products.

Residents in the area get drinking water from supply wells located outside of the site boundary. Drinking water is not impacted by the groundwater contamination.

**For safety reasons, people and animals should stay on the walking trails near Powder Mill Creek and avoid contact with the creek water.** TCE-contaminated groundwater seeps from the creek banks, drains along the creek shore, and flows into the creek. The City of Everett has posted signs advising walkers to stay on the trails. Fencing and signs prevent creek access on Boeing property.

## Cleanup plans for soil and groundwater

Boeing must clean up contamination from its Everett plant, including where the contamination left its property. We apply both RCRA and the Model Toxics Control Act (MTCA) regulations to clean up hazardous waste sites. The cleanup protects human health and the environment from dangerous wastes and chemicals.

Five times at this site, we authorized or required interim actions to protect human health and the environment. **Interim actions** reduce exposure or correct problems that could become worse or cost more if action were delayed. Interim actions occurred in 2004, 2006, 2008, 2011, and 2014. Details can be found on our [Boeing Everett webpage](#).<sup>1</sup>

On February 25, 2016, Ecology and Boeing attended a Boulevard Bluffs Neighborhood meeting. Boeing presented its draft upland Feasibility Study (FS) and we outlined the decision-making process.

After Ecology reviewed the draft Feasibility Study (FS) report and draft Supplemental Feasibility Study (SFS), we chose the final cleanup actions for TCE groundwater contamination and contaminated soils. Our draft cleanup action plan (dCAP) describes the final cleanup actions.

For 13 areas of soil contamination under Boeing buildings, the contamination will remain in place until it can be removed without disrupting facility production and operations. We require regular sampling of groundwater and indoor air to ensure the contamination does not impact human health or the environment. Groundwater will be pumped and treated to remove TCE and VC (vinyl chloride).

Boeing asked us to use an Enforcement Order to implement the cleanup because it disagrees with our groundwater cleanup levels being set to a level that is equal to surface water quality standards instead of state drinking water standards.

Ecology issued an Enforcement Order to implement the Cleanup Action Plan at the site. However, the portion of the site called the Bomarc property will be cleaned up under an Agreed Order.

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<sup>1</sup> [www.ecology.wa.gov/BoeingEverett](http://www.ecology.wa.gov/BoeingEverett)

## Document Review Locations

**In-person document review is not currently available:** You may review documents online at our Boeing Everett website: [www.ecology.wa.gov/BoeingEverett](http://www.ecology.wa.gov/BoeingEverett).

**Once the Stay Home, Stay Healthy executive order ends** and these locations open to the public, you can see the documents in person at:

Everett Public Library  
Information Services  
2702 Hoyt Street  
Everett, WA 98201-3556  
425-257-8022

Washington State Department of Ecology  
Northwest Regional Office  
3190 160th Ave. SE  
Bellevue, WA 98008  
Call for appointment  
425-649-7190

### Questions about accessing information?

Contact Janelle Anderson:  
425-301-6454

[janelle.anderson@ecy.wa.gov](mailto:janelle.anderson@ecy.wa.gov)

To submit your comments, questions, or concerns about any of these documents, visit the Ecology eComments page: <http://bit.ly/BoeingEverettComments>.

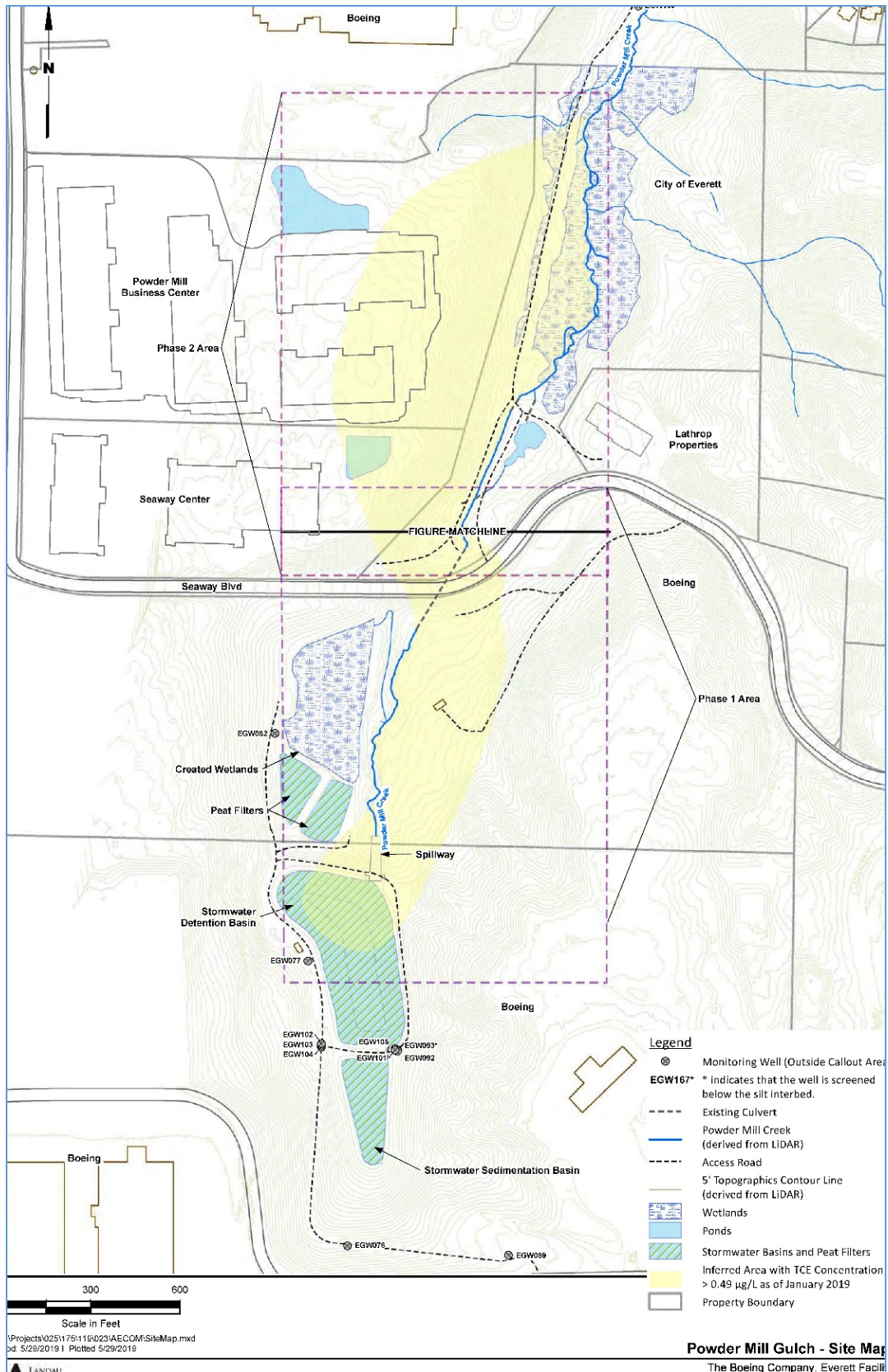
## What Happens Next?

Once the public comment period ends, we will review and consider all received comments. The documents may change based on your comments. When new documents about the site are developed, you will be notified of any additional public comment periods.

## Borrador del Plan de Acción para la Limpieza

La limpieza ambiental se está llevando a cabo en Boeing Everett en Everett, WA. El borrador del Plan de Acción para la Limpieza está disponible para comentario público. Este plan describe como la limpieza protegerá a las personas y el medio ambiente de la contaminación en el sitio.

## Boeing Everett Groundwater Contamination Map



Department of Ecology Northwest Regional Office  
3190 160th Ave. SE  
Bellevue, WA 98008

## Join the Discussion!

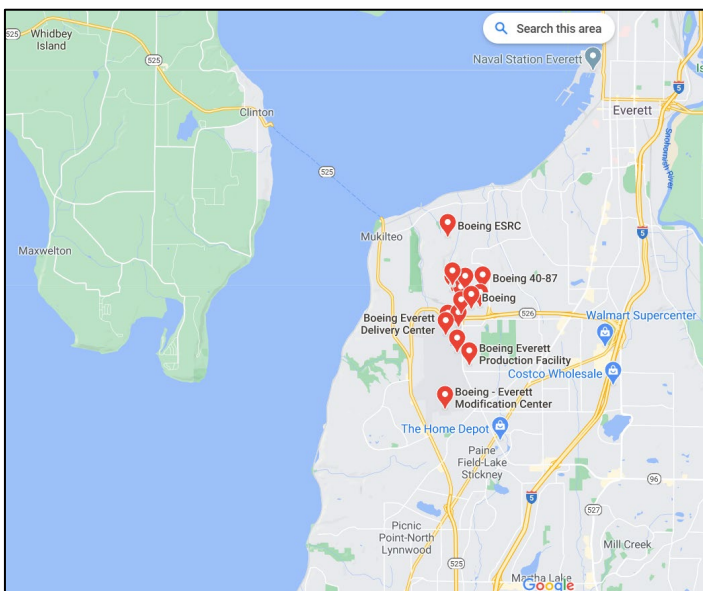


Figure 1: Boeing Everett Google Map Location

### Boeing Everett draft Cleanup Action Plans

Ecology seeks public comment on a draft Remedial Investigation, Feasibility Study, and Supplemental Feasibility Study; draft Cleanup Action Plan; Enforcement Order; draft Agreed Order; draft Permit; draft SEPA Checklist; and draft Public Participation Plan for Boeing Everett in Everett, Washington.

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### Public meeting and hearing

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**Información incluida en español:** El Departamento de Ecología está anunciando el periodo de comentario público relacionado a la limpieza ambiental del sitio Boeing Everett. Para obtener este documento, o más información sobre este sitio, en español, favor de comunicarse con Gretchen Newman al 360-407-6097 o al correo electrónico: [preguntas@ecy.wa.gov](mailto:preguntas@ecy.wa.gov).