

# Lower Duwamish Cleanup Sites Update

Toxics Cleanup Program, Washington State Department of Ecology

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## Contacts & Information

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For more information about site cleanups and source control, visit our website:

<https://ecology.wa.gov/LDW>

Join our email list for regular updates!

<https://bit.ly/Ecology-DuwamishRiverUpdates>

## Cleaning up contaminated land helps prevent pollutants from reaching the Lower Duwamish Waterway

Ecology is leading the effort to clean up sources of contamination from the upland area surrounding the Lower Duwamish Waterway (LDW) Superfund Site. This is called 'LDW Source Control'.

To conduct LDW Source Control, we find sources of contamination and take actions to stop or reduce them before they reach the LDW. It's a crucial part of our commitment to support the U.S. Environmental Protection Agency's (EPA) LDW sediment cleanup actions. The near-term goal of LDW Source Control is to address significant sources of contaminants to the LDW enough so that EPA's comprehensive in-waterway sediment cleanup actions can begin. Our long-term goal is to minimize the risk of recontaminating sediments and restore water quality in the river.

Contaminated site investigation and cleanup is one of many LDW Source Control actions that Ecology leads. In addition, our work includes controlling stormwater discharges through business inspections, monitoring of discharges, best management practices, stormwater treatment technologies; education; and agency coordination. Contaminants in the soil and groundwater in land around the LDW pose a risk to human health and the environment. They could find their way into the river through groundwater discharges, stormwater runoff, soil or bank erosion, and other pathways.

### Upstream to downstream

EPA divides the 5-mile stretch of the Duwamish River into three distinct sections known as the "Upper Reach" (farthest upstream portion of the LDW), "Middle Reach", and "Lower Reach" (downstream portion, to the southern tip of Harbor Island). The remaining in-water sediment cleanup actions will generally occur consecutively, beginning in the Upper Reach, continuing to the Middle Reach, then the Lower Reach. That way, there's less potential for cleaned up

sediments to be recontaminated due to river flows transporting dirty sediments from upstream to downstream. We prioritize our range of LDW Source Control efforts to support EPA's upstream to downstream sediment cleanup approach. However, we perform LDW Source Control work in every reach.

### **Cleanup Oversight**

We actively oversee the cleanup of 25 sites in the LDW Source Control area through a legal agreement following the cleanup process defined in the State Model Toxics Control Act (MTCA). Our Toxics Cleanup Program currently oversees 21 cleanup sites and our Hazardous Waste and Toxics Reduction Program oversees 4 sites. Other upland contaminated sites are cleaned up independently through Ecology's Voluntary Cleanup Program or have EPA oversight under federal laws and processes.

## **Progress!**

### **Snopac Property**

5055 E Marginal Way, Seattle

Agreed Order: 2019

CSID: 12463

Status: Remedial Investigation and Interim Action complete; Feasibility Study in progress

Previous uses: Commercial warehousing; sandblast grit disposal; fish processing

Current uses: Construction site

Contaminants of concern: PCBs, PAHs, petroleum hydrocarbon constituents, tributyltin, metals

### **Duwamish Shipyard**

5658 W Marginal Way SW, Seattle

Agreed Order: 2010

CSID: 54

Status: Remedial Investigation complete; Feasibility Study in progress

Previous uses: Repair and maintenance of floating vessels

Current uses: Shipping container storage and truck access

Contaminants of concern: PCBs, PAHs, SVOCs, tributyltin, dioxins, furans, oil, metals

### **General Electric Aviation Div**

220 S Dawson St, Seattle

Consent Decree: 2014

CSID: 2446

Status: Implementing Cleanup Action Plan

Previous uses: Servicing aircraft parts; warehouse

Current uses: Office space

Contaminants of concern: CVOCs, metals, fuels, oils

### **Burlington Environmental LLC Georgetown**

734 S Lucile St, Seattle

Agreed Order: 2010; amended 2015

CSID: 2622

Status: Implementing Cleanup Action Plan; several Interim Actions have occurred beginning in 1991

Previous uses: Hazardous waste treatment and storage facility

Current uses: Facility closed (2003); receipt and short-term storage of small quantities of wastes

Contaminants of concern: PCBs, VOCs, SVOCs, petroleum hydrocarbons

### **West of 4th**

Between 4th Ave S and Duwamish Waterway

Agreed Order: 2014; amended 2017

CSID: 12260

Status: Supplemental Feasibility Study in progress; pilot studies and sediment porewater sampling completed; several Interim Actions have occurred beginning in 2007

Previous uses: Hazardous waste treatment and storage facility; zinc die-casting

Current uses: Facility closed in 2003; metal plating and fabrication of metal containers

Contaminants of concern: CVOCs, metals

### **Glacier Northwest Inc**

5900 W Marginal Way SW, Seattle

Agreed Order: 2009

CSID: 599

Status: Remedial Investigation and Feasibility Study in progress

Previous uses: Manufacturing of activated charcoal, resins, and glues

Current uses: Cement storage and distribution

Contaminants of concern: PCBs, PAHs, VOCs and SVOCs, petroleum hydrocarbons, dioxins, furans, metals

### **Port of Seattle N Terminal 115**

6000 W Marginal Way, Seattle

Agreed Order: 2011

CSID: 1229

Status: Remedial Investigation in progress

Previous uses: Tin reclamation

Current uses: Lumber distribution; vehicle storage

Contaminants of concern: PAHs, SVOCs, petroleum, metals

### **Terminal 115 Plant 1**

6020 W Marginal Way, Seattle

Agreed Order: 2020

CSID: 11307

Status: Remedial Investigation Work Plan in progress

Previous uses: Aircraft manufacturing, including plating, assembly, engine and fuel testing; metal working; concrete production; land filling; former river channel

Current uses: Retail fuel sales; cargo transfer; seafood processing; limited vehicle and cargo container maintenance

Contaminants of concern: VOCs, SVOCs, petroleum, metals

### **Duwamish Marine Center**

6365 1St Ave S, Seattle

Agreed Order: 2011

CSID: 4146

Status: Remedial Investigation complete; Feasibility Study in progress

Previous uses: Repair and maintenance of floating vessels; junk dealer; construction services; barge shipping terminal

Current uses: Tug and barge operations; metal fabrication

Contaminants of concern: PCBs, PAHs, oil, metals

### **Dawn Food Products**

6901 Fox Ave S, Seattle

Agreed Order: Under negotiation

CSID: 16678

Status: Agreed Order and Remedial Investigation Work Plan in progress

Previous uses: Ship building; sheet metal fabrication; generator and thermostat manufacturing; paint spraying; storage; offices

Current uses: Food warehousing

Contaminants of concern: PAHs, petroleum, VOCs, metals

### **Fox Ave Building**

6900 Fox Ave S, Seattle

Agreed Order: 1991, 2009, and 2012

CSID: 5082

Status: Remedial Investigation and Feasibility Study complete; implementing Cleanup Action Plan; Interim Action occurred in 2009; Five-Year Periodic Review complete

Previous uses: Chain manufacturing; chemical and petroleum repackaging and distribution

Current uses: Chemical distribution

Contaminants of concern: CVOCs, pentachlorophenol, oil, benzene

### **North Boeing Field Georgetown Steam Plant**

7370 E Marginal Way S, Seattle

Agreed Order: 2008

CSID: 4765

Status: Remedial Investigation in progress; Interim Action occurred in 2011; Interim Action Work Plan public comment period in 2022; Interim Action in progress

Previous uses: Electrical power generation; aircraft manufacturing, maintenance, and research

Current uses: Aircraft manufacturing, research, and delivery; jet fuel bulk storage

Contaminants of concern: PCBs, PAHs, petroleum hydrocarbons, VOCs, SVOCs, jet fuel, phthalates, metals

### **Whitehead Tyee**

730 S Myrtle St, Seattle

Agreed Order: 2016

CSID: 12115

Status: Remedial Investigation Work Plan in progress; Interim Action occurred in 2018

Previous uses: Lumber finishing; refuse burning; wood treating

Current uses: Truck and container storage; light maintenance on containers

Contaminants of concern: PCBs, PAHs, VOCs, pentachlorophenol, petroleum, dioxins, furans, metals

### **Douglas Management Dock**

7100 2nd Ave SW, Seattle

Agreed Order: 2011

CSID: 6967

Status: Remedial Investigation complete; Feasibility Study in progress

Previous uses: Sand and gravel batch plant; school bus parking and maintenance

Current uses: Storage of equipment and shipping containers

Contaminants of concern: PCBs, oil, metals

### **Industrial Container Services WA LLC**

7152 1st Ave S, Seattle

Agreed Order: 2010

CSID: 62

Status: Remedial Investigation complete; Feasibility Study in progress

Previous uses: Cleaning and recycling of used storage drums, some used for hazardous wastes

Current uses: Cleaning and recycling of used storage drums

Contaminants of concern: PCBs, PAHs, VOCs, pesticides, oil, metals

## **Crowley Marine Services 8<sup>th</sup> Ave S**

7400 8th Ave S, Seattle

Agreed Order: 2009

CSID: 2520

Status: Remedial Investigation complete; Feasibility Study in progress

Previous uses: Manufacturing of pipe, chain, hydraulic equipment, and concrete; machinery and scrap iron storage; sawmill; lumber distribution; creosote wood treatment

Current uses: Transloading and loading of contaminated soils and dredge sediments from trucks and barges onto rail cars

Contaminants of concern: PAHs, metals

## **South Park Landfill**

8200 2nd Ave S, Seattle

Agreed Order: 2009; Consent Decree: 2019

CSID: 1324

Status: Remedial Investigation and Feasibility Study complete; Consent Decree and Cleanup Action Plan amendment in progress; Interim Actions occurred in 2016 and 2021.

Previous uses: Landfill; truck/equipment storage; auto wrecking

Current uses: Solid waste transfer station; commercial businesses; school bus parking

Contaminants of concern: CVOCs, VOCs, landfill gas, petroleum hydrocarbons, oil, metals

## **Independent Metals Plant 2**

816 S Kenyon St & 7814 8th Ave S, Seattle

Agreed Order: 2022

CSID: 12300

Status: Remedial Investigation Work Plan in progress

Previous uses: Gas station; work boat manufacturing; scrap and recycled metal handling; log processing

Current uses: Light industrial

Contaminants of concern: PCBs, PAHs, petroleum hydrocarbons, tetrachloroethylene, trichloroethylene, metals

## **Duwamish Waterway Park**

7900 10th Ave S, Seattle

Agreed Order: Under negotiation

CSID: 15139

Status: Agreed Order and Remedial Investigation Work Plan in progress

Previous uses: Residential and commercial

Current uses: Public park and commercial

Contaminants of concern: PCBs, PAHs, metals

## **South Park Marina**

8604 Dallas Ave S, Seattle

Agreed Order: 2019

CSID: 2858

Status: Remedial Investigation Work Plan completed. Field investigations in progress

Previous uses: Marina (including boat repair, maintenance, storage); drum cleaning/reconditioning operations; radiator repair; gas station

Current uses: Marina with boat storage and repair; marine supplies retail sales; automobile tire sales and installation

Contaminants of concern: PCBs, PAHs, VOCs, dioxins, furans, phthalates, pesticides, oil, metals

## **Jorgensen Forge Corp**

8531 E Marginal Way S, Tukwila

Agreed Order: 2007 and 2017

CSID: 3689

Status: Remedial Investigation in progress; Interim Action occurred in 2014

Previous uses: Fabrication of structural steel, tractor, and road equipment; manufacturing of Navy vessels and aircraft parts; steel distribution

Current uses: Facility being demolished for future reuse

Contaminants of concern: PCBs, PAHs, VOCs, petroleum, metals, per and polyfluoroalkyl substances



### **Boeing Isaacson Thompson**

8701 E Marginal Way S, Tukwila

Agreed Order: 2010

CSID: 1944

Status: Remedial Investigation complete. Feasibility Study in progress

Previous uses: Aircraft manufacturing

Current uses: Aircraft manufacturing

Contaminants of concern: PCBs, PAHs, VOCs, SVOCs, petroleum hydrocarbons, metals

### **8801 E Marginal Way S**

8801 E Marginal Way S, Tukwila

Agreed Order: 2006 (sediment); 2008 (upland)

CSID: 5056

Status: Remedial Investigation complete; Feasibility Study and Interim Action Work Plan finalized; Cleanup Action in progress since 2021

Previous uses: Truck manufacturing

Current uses: None (under development)

Contaminants of concern: PCBs, PAHs, VOCs, SVOCs, petroleum hydrocarbons, metals

### **Precision Engineering Inc.**

1231 S Director S, Seattle

Agreed Order: 2020

CSID: 4532

Status: Remedial Investigation in progress

Previous uses: Manufacturing of large marine items, including propellers and blade assemblies; services including grinding, polishing, chrome plating, milling, welding and coating

Current uses: Warehouse for heavy duty hardware, machine tools, construction supplies and surplus equipment

Contaminants of concern: Trichloroethene (TCE), hexavalent chromium, other metals, petroleum

## **Boeing Developmental Center**

9725 E Marginal Way S, Tukwila

Agreed Order: 2019

CSID: 5059

Status: Remedial Investigation in progress; Interim Action occurred in 2019

Previous uses: Various commercial; industrial and agricultural uses

Current uses: Primarily research and development for aircraft, such as structural testing of hydraulic systems; coating development; 3D printing

Contaminants of concern: PCBs, PAHs, VOCs, total petroleum hydrocarbons, metals

## **Emerald Gateway**

3301 S Norfolk St, Seattle

Agreed Order: 2020

CSID: 6584

Status: Interim Action in progress

Previous uses: Commercial warehousing; truck maintenance and repair operations; truck refueling activities; automobile wrecking and parts salvaging; gasoline service station

Current uses: Commercial warehousing

Contaminants of concern: PCBs, PAHs, petroleum hydrocarbon constituents, metals

## **Boeing Field Chevron**

10805 Tukwila International Blvd, Tukwila

Agreed Order: 2015

CSID: 7030

Status: Remedial Investigation complete; Feasibility Study and Feasibility Pilot Study Work Plan in progress

Previous uses: Service station with underground storage of gasoline

Current uses: Service station with underground storage of gasoline

Contaminants of concern: Benzene, gasoline, diesel

## **Acronyms:**

CVOCs: chlorinated volatile organic compounds

PAHs: polycyclic aromatic hydrocarbons

PCBs: polychlorinated biphenyls

SVOCs: semi volatile organic compound

VOCs: volatile organic compound

## Ecology's Cleanup Process

1. Legal Agreement
2. Remedial Investigation
3. Feasibility Study
4. Cleanup Action Plan
5. Clean up the site!

Interim Actions - partially address contamination and may occur anytime during the process.

## Lower Duwamish Waterway Formal Sites Current Status

1. **Snopac Property:** Feasibility Study in progress and Interim Action in 2020
2. **Duwamish Shipyard:** Feasibility Study in progress
3. **General Electric Aviation Div:** Implementing Cleanup Action Plan and Interim Action in 2007
4. **Burlington Environmental LLC Georgetown:** Implementing Cleanup Action Plan and Interim Action in 1991
5. **West of 4th:** Feasibility Study in progress and Interim Action in 2007
6. **Glacier Northwest Inc:** Remedial Investigation and Feasibility Study in progress
7. **Port of Seattle N Terminal 115:** Remedial Investigation in progress
8. **Terminal 115 Plant 1:** Remedial Investigation Work Plan in progress
9. **Duwamish Marine Center:** Feasibility Study in progress
10. **Dawn Food Products:** Agreed Order and Remedial Investigation Work Plan in progress
11. **Fox Ave Building:** Implementing Cleanup Action Plan and Interim Action in 2009
12. **North Boeing Field Georgetown Steam Plant:** Remedial Investigation in progress and Interim Action in 2011 and 2023
13. **Whitehead Tye:** Remedial Investigation Work Plan in progress and Interim Action in 2018

14. **Douglas Management Dock:** Feasibility Study in progress
15. **Industrial Container Services WA LLC:** Feasibility Study in progress
16. **Crowley Marine Services 8th Ave S:** Feasibility Study in progress
17. **South Park Landfill:** Implementing Cleanup Action Plan and Interim Actions in 2016 and 2021
18. **Independent Metals Plant 2:** Remedial Investigation Work Plan in progress
19. **Duwamish Waterway Park:** Agreed Order and Remedial Investigation Work Plan in progress
20. **South Park Marina:** Remedial Investigation in progress
21. **Jorgensen Forge Corp:** Remedial Investigation in progress and Interim Action in 2014
22. **Boeing Isaacson Thompson:** Feasibility Study in progress
23. **8801 E Marginal Way S:** Feasibility Study and Interim Action Work Plan finalized and Interim Action in 2021
24. **Precision Engineering Inc.:** Remedial Investigation in progress
25. **Boeing Developmental Center:** Remedial Investigation in progress and Interim Action in 2019
26. **Emerald Gateway:** Interim Action in progress and Interim Action in 2021
27. **Boeing Field Chevron:** Feasibility Study and Feasibility Study Pilot Work Plan in progress

### **Want to get more involved with efforts to clean up the Duwamish River?**

Contact the Duwamish River Community Coalition at [contact@duwamishcleanup.org](mailto:contact@duwamishcleanup.org) or (206) 954-0218; or visit <http://duwamishcleanup.org/>.