

## Shelton C Street Landfill Site

Facility Site ID: 1186

Cleanup Site ID: 2295

Cleanup Plan and SEPA Documents — Available for Public Review and Comment

### Comments accepted

**November 4 – December 7,  
2021**

### Submit comments

#### Online

<http://tcp.ecology.commentinput.com/?id=uQCja>

#### Mail

Andrew Smith, Site Manager  
 WA Department of Ecology  
 Southwest Regional Office  
 PO Box 47775  
 Olympia, WA 98504-7775

#### Email

[andrew.smith@ecy.wa.gov](mailto:andrew.smith@ecy.wa.gov)

### Document review options

#### Ecology's Site webpage

<https://apps.ecology.wa.gov/gsp/Sitepage.aspx?csid=2295>

#### Shelton Timberland Library

710 W Alder Street  
 Shelton, WA 98584-2571  
 Call 360-426-1362 to confirm  
 opening hours

#### City of Shelton Civic Center

Customer Service Counter  
 525 West Cota Street  
 Shelton, WA 98504  
 Call 360-426-4491 to  
 confirm opening hours

**Ecology** buildings are closed to the public until further notice. Check status at

<http://ecology.wa.gov>.

When Ecology buildings open, documents may be available by appointment only

Ecology-Lacey Office  
 300 Desmond Drive SE  
 Lacey, WA 98503

[PublicDisclosureSWRO@ecy.wa.gov](mailto:PublicDisclosureSWRO@ecy.wa.gov) or 360-407-6365

### Cleanup plans available for public comment

The Washington Department of Ecology (Ecology) is entering into a legal agreement called Agreed Order (AO) DE 19541 with the City of Shelton (city) to clean up contamination at the Shelton C Street Landfill Site (Site). The city is the potentially liable person (PLP) responsible for cleanup at the Site. Figure 1 shows the Site location and Figure 2 shows how the Site looks now.

Ecology invites you to review and comment on the following documents for this Site.

- **Remedial Investigation (RI) and Feasibility Study (FS) Report (RI/FS):** this report describes the contamination and where it is located. The report compares choices for how to clean up the contamination.
- **Draft Cleanup Action Plan (dCAP):** this plan describes Ecology's plan for cleaning up contamination at the Site.
- **Agreed Order DE 19541:** this is a legal agreement between Ecology and the city. The agreement requires the city to implement and maintain the cleanup described in the Cleanup Action Plan.
- **State Environmental Policy Act (SEPA) Determination of Non-Significance:** this document describes Ecology's decision that cleanup activities are not likely to harm the environment.

All the documents are available electronically to view and/or download at Ecology's Site webpage.

<https://apps.ecology.wa.gov/gsp/Sitepage.aspx?csid=2295>.

There are several options to review print documents listed in the blue box on the left. Please check to confirm that the library and/or the Civic Center are open for walk-in service. If you need document review assistance, please contact Nancy Davis, Outreach Coordinator, [nancy.davis@ecology.wa.gov](mailto:nancy.davis@ecology.wa.gov) or 360-407-0067.

The blue box on the left shows how to submit your comment online, by email, or US mail.

The comment period is from **November 4 to December 7, 2021**.

**Next Steps:** Ecology will consider comments received during the comment period. If there are no changes, then Ecology will approve the cleanup documents and sign the AO. The city will do the cleanup work.



Figure 1. The landfill is southwest of the intersection of West C Street and US Highway 101.



Figure 2. The property is vacant, undeveloped land covered by shrubs and trees.

The Site is a 16.7-acre property. Before 1928, the property was mined for sand and gravel. In 1928, the city purchased the property and began using it as a landfill until the mid-1980s. The waste is located in an area of about four acres on the property.

The landfill received mostly residential solid waste. Other waste included research waste and demolition debris. As was a common practice for the era, landfill operators burned waste in the open and in an incinerator at the Site.

Sludge from the city's wastewater treatment plant was brought to the landfill between 1973 and the mid-1980s. From 1976 to 1981, fly ash from the wood-burning power plant at the Simpson Timber Company mill was mixed with the sludge and put in the landfill. The sludge was disposed of in the northwestern part of the landfill (see Figure 3).

Contamination sources at the Site are the solid waste and wastewater treatment plant sludge.

## Contaminants and possible pathways of exposure

Contact with hazardous materials at the Site may harm people's health and the environment.

**Soil.** People and animals at the Site could potentially contact contaminants in soil by directly touching contaminated soil or accidentally eating it from dirty hands or paws. Contaminants in soil include:

- Dioxins/furans.
- Carcinogenic polycyclic aromatic hydrocarbons.
- Metals (barium, copper, lead, mercury, selenium, silver, zinc, and lead).

**Groundwater.** Metals (arsenic, iron, and manganese) in groundwater at the Site are likely from naturally occurring sources in the soil. The groundwater is slightly acidic, likely caused by rainwater moving through the waste in the landfill. The acidic condition causes the metals in the soil to move into the groundwater. Over time, this condition is expected to become less acidic, likely causing concentrations of iron and manganese in groundwater to decrease.

People will not be in contact with groundwater. The water table is located more than 35 feet below the bottom of the buried waste. The cleanup is based on protecting drinking water down-slope from the Site. Movement of groundwater is not likely a threat for spreading contamination away from the Site.

**Landfill gases.** Gases from breakdown of waste are not building up in the landfill. Landfill gases are not a threat to people and the environment at the Site.

## Proposed cleanup

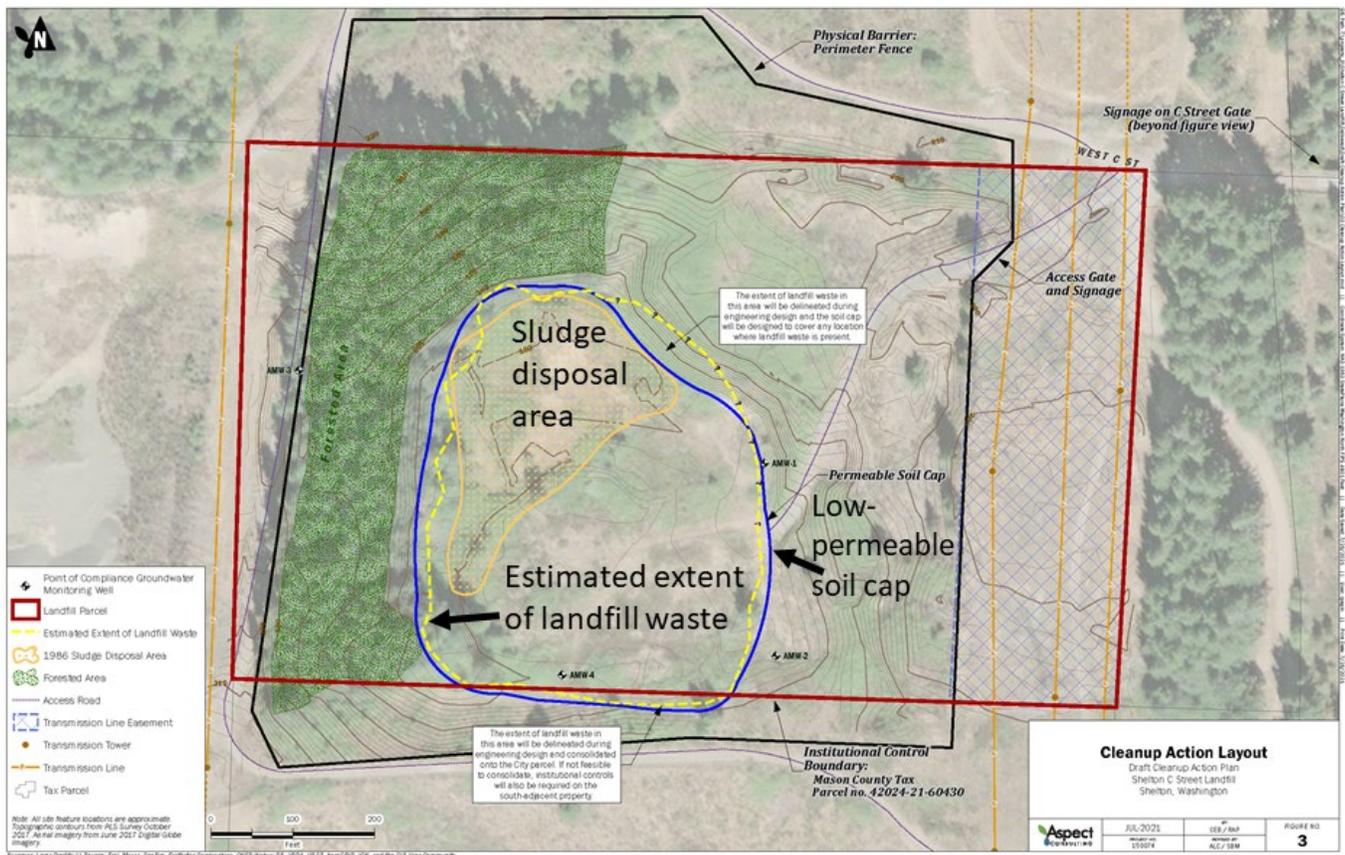


Figure 3. Cleanup action layout described in the draft Cleanup Action Plan. The soil cap will cover any location where waste is present. The white boxes show where the extent of the landfill will be more clearly described during engineering design. In the area south of the landfill parcel (shown by the red box), waste will either be consolidated onto the landfill parcel, or institutional controls will be required on the adjacent property.

**Low-permeability soil cap** will be constructed to cover the top of all the landfill waste (see the solid blue line in Figure 3). The sloped cap will prevent contaminants and waste from moving out from under the cap and coming into contact with people and the environment. The cap will minimize rainwater entering the waste. The cap will have three layers:

- Bottom—a geotextile barrier.
- Middle—at least a 2-foot-thick layer of clean, low permeability cover material.
- Top—a 1-foot-thick layer of topsoil seeded with grasses or other shallow-rooted vegetation.

**Institutional controls** will keep people from entering the Site and prevent future activities from damaging the cap.

- Fencing and a gate will keep people from entering the Site. Signs will warn people of the potential risk to human health.
- Environmental covenant on the property deed will be recorded in county records preventing any future activity that could expose people and the environment to contaminated soil or landfill waste.

**Monitoring** will make sure the cap continues to be effective in preventing exposure to contamination.

- Soil settlement and cap stability inspections.
- Cap maintenance and periodic inspections.
- Confirmation that concentrations of metals in groundwater beneath the landfill decrease over time.

Ecology will review conditions at the Site every five years.



DEPARTMENT OF  
**ECOLOGY**  
State of Washington

Toxics Cleanup Program  
PO Box 47775

## Shelton C Street Landfill Site: Public comment period and online informational meeting

### Comments Accepted

**November 4 to December 7, 2021**

<http://tcp.ecology.commentinput.com/?id=uQCja>

Facility Site ID: 1186

Cleanup Site ID: 2295

Comment on the following documents:

- Remedial Investigation/Feasibility Study (RI/FS).
- Draft Cleanup Action Plan (dCAP).
- Agreed Order DE 19541 to implement the dCAP.
- State Environmental Policy Act (SEPA) documents.

### Online Informational Meeting using Webex

**November 18, 2021**

- **6:00 to 6:30 pm** Pre-meeting technology check. Join to fix any technical issues before the meeting.
- **6:30 to 7:30 pm** Presentation by Ecology staff and Q&A.
- Visit <https://apps.ecology.wa.gov/gsp/Sitepage.aspx?csid=2295> for meeting login details
- Call Nancy Davis, 360-489-4971 for dial-in options and other online meeting support.

**Habla Español?** This fact sheet is available in Spanish: <https://apps.ecology.wa.gov/gsp/Sitepage.aspx?csid=2295>. Unáse al diálogo sobre Shelton C Street Landfill Site. Para más información en español llame al 360-489-4971 y solicite un intérprete.

**Accommodation requests:** To request an ADA accommodation, contact Ecology by phone at 360-489-4971 or email at [nancy.davis@ecy.wa.gov](mailto:nancy.davis@ecy.wa.gov), or visit <https://ecology.wa.gov/accessibility>. For Relay Service or TTY call 711 or 877-833-6341.