



Everett Smelter Cleanup



What's happening now?

Cleanup work will begin May 21, 2007

Ecology's contractor, Wyser Construction, Inc. will begin cleanup work at the 10 homes located on the east side of Bridgeway in Everett, Washington (see below). These homes are located near the historic Everett Smelter plant. The cleanup will remove and dispose of accessible soil contaminated with arsenic and lead. Soil is accessible if it is not under the house, paved driveways and walkways or patios. All accessible contaminated soil with arsenic levels above 20 mg/Kg that is within one foot of the surface will be removed and replaced with clean topsoil. Below one foot, all accessible contaminated soil that has arsenic above certain specified levels will be removed and replaced with clean backfill and topsoil. The yards will be restored according to the individual home cleanup plans. Restoration will include installing sod lawns, landscape plant replacements, building or reconstructing walls, and restoring fences.



May 2007 Cleanup Update

Cleanup Work Hours:

7:30 a.m. – 4:30 p.m. on weekdays

Review the documents at:

WA Department of Ecology
Northwest Regional Office
3190 160th Avenue SE
Bellevue, WA 98008
(425) 649-7190
(Call for an appointment)

Send Technical questions to:



Jerome Cruz
WA Department of Ecology
Toxics Cleanup Program
3190 160th Avenue SE
Bellevue, WA 98008
(425) 649-7094

E-mail: jcru461@ecy.wa.gov

On-site Field Coordinator:



Glen Vadera
SAIC coordinator
(206) 852-8247

Facility ID #: 2744

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If you have special accommodation needs or require this document in alternative format, please contact Nancy Lui at (425) 649-7117 (Voice). Persons with hearing loss can call 711 for Washington Relay Service. Persons with a speech disability can call 1-800-833-6388 (TTY)

When will the cleanup work begin and for how long?

Wyser Construction Inc., under the oversight of Ecology, will begin cleanup work on **May 21, 2007**. The work is expected to last for three to five months. The cleanup work will take place during the daytime from 7:30 a.m. – 4:30 p.m. on weekdays.

Will there be someone to answer my immediate concerns?

Yes, Ecology has contracted Glen Vedera with Science Applications International Corporation (SAIC) to be the on-site coordinator. He will manage daily activities. The SAIC on-site coordinator will represent Ecology during field activities. Ecology site manager Jerome Cruz will be providing overall project oversight. Any immediate concerns may be presented to Glen Vedera, who will communicate them to Jerome Cruz, or you may contact Jerome Cruz directly at (425)649-7094. Jerome will also be at the site fairly often.

What can you expect to see at the site?



This is a picture of soil excavation. The contaminated soil will be placed into containers to be hauled off by truck from the site. The contaminated dirt will be disposed at a landfill approved to accept this contaminated soil.

What work will be done?



- Excavating contaminated soil for disposal.
- Backfilling with clean sand and topsoil.
- Installing sod and replacing shrubs, fences and other items disturbed during the excavation process.

What areas of my property will be cleaned up?

Each home has an individualized cleanup plan which the owner and Ecology have agreed on. The yard and other landscaped areas will have the topsoil layer removed. The depth of removal depends on the amount of arsenic in the soil and will range from 12 inches to three feet.

There may be places where contaminated soil cannot be removed due to engineering limitations. These include protecting structures such as decks or sheds, or where the stability of a slope may be at risk. Many plants and grasses will be removed during this work. Trees and large shrubs may be left in place or removed according to the cleanup plan. Clean soil will be brought in to replace what is removed. The yards will be restored with plants and grass similar to what will be removed. Trees that are removed will be replaced with saplings. If you have any specific questions, please contact Jerome Cruz (see page 1).

What measures will be taken to minimize impacts?

Access

There will be construction equipment in your neighborhood. The road will remain open. There may be short delays in the flow of traffic as equipment is moved or trucks are loaded or deliver fill material and supplies. You may have to park your car on the opposite side of the street. You will be able to enter and leave your home at all times.

Dust Issue



Dust will be kept to a minimum by spraying water on the soil while it is excavated or being loaded for disposal. Air will be tested for arsenic dust, on the workers and from outside the residential work zone over an eight to ten hour period. For the first day(s), monitoring will be done while working on the homes with the highest soil contamination. During past cleanups, controlling visible dust with water spray prevented any hazard to the residents and workers. You should keep windows closed when the crew is digging next to your home.

Noise Issue



The large equipment such as trucks, backhoes, front-end loaders, and bobcats, are equipped with mufflers. However, even with properly functioning mufflers this equipment is still very noisy. Work will not start before 7:30 a.m.

How will public health and safety be protected during removal?

During removal, work areas will be sectioned off with yellow barrier tape. Residents will receive information on when the front or rear door should not be used. Yellow tape or orange barricades will be left at areas designated to be a potential fall hazard. We will establish an agreed upon walkway for residents to enter or exit their home. When notified that residents or visitors will need access to the home, work will stop until the work zone is clear for people to safely enter or exit the home.

The resident health and safety plan is part of the attachment to the access agreement that has been given to residents/homeowners.

What are Property owner/Tenant responsibilities?

We rely on the cooperation of property owners and residents. This is a short-term inconvenience for the good of the cleanup.

- The home owners/tenants will be responsible for clearing off anything outside your property which you would like to keep.
- Remove any flower bulbs or plants you want to save.
- Keep doors, windows, and skylights closed when work is being done.
- Please keep your pets and children inside while the construction is taking place.
- Alert contractor personnel when leaving or arriving home.
- Beware of fall hazards where soil may be removed from the edges of sidewalks, decks, porches, and stairs.
- Do not enter the work zone until the contractor has stopped work. Use the agreed upon walkway to enter/exit the home.
- After work hours, do not enter the yard. Areas may have trip hazards or exposed utility hazards.
- You will be responsible for watering and maintaining the sod after it has been installed.

access agreements. Ecology's contractor will fertilize the lawn four times during the first year. Ecology will not water or mow the lawn, weed any part of your yard, or provide any other gardening or landscaping services.

An Ecology representative will return to the yard approximately one year after the cleanup to determine if any sod, lawn, trees, shrubs or other landscaping need replacing under the terms of the access agreement. After this follow-up inspection and any replacement of landscaping, if needed, Ecology will have no further responsibility for the maintenance of your sod, lawn, trees, shrubs or other landscaping.

Site Background

The Everett Smelter Site is located in northeast Everett, Snohomish County, Washington. This site is contaminated with lead, arsenic and other metals. The smelter operated from 1894 to 1912. The smelter was built by the Puget Sound Reduction company and sold to ASARCO Incorporated (Asarco) in 1903. Asarco operated the smelter until 1912, and demolished it between 1912 and 1915.

What happens next?



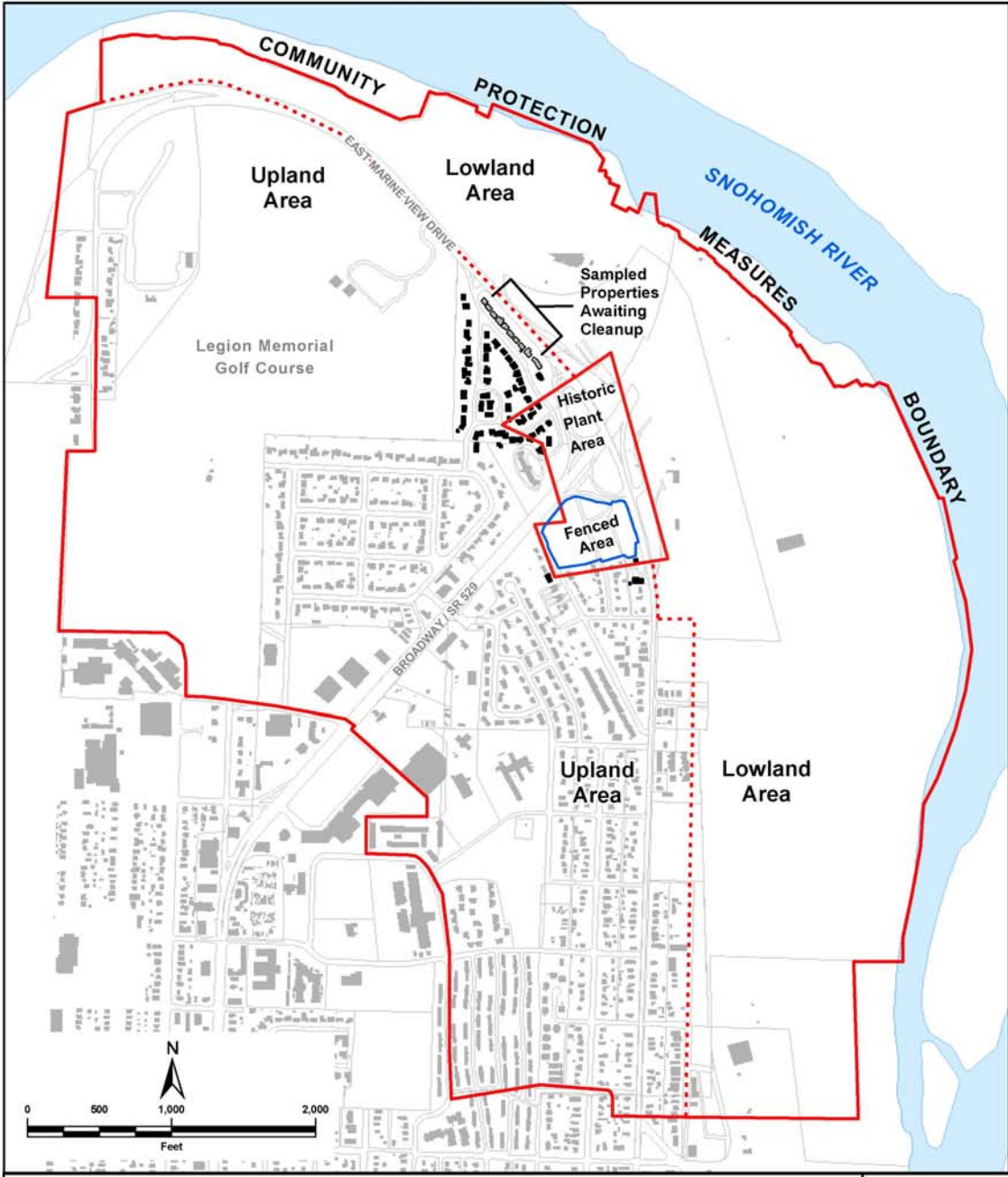
After the work on your property is finished, Ecology will provide residents or owners with a notebook containing the soil sampling results, the cleanup plan, the Remediation Summary Report and photos of your home before, during and after the cleanup.


Following cleanup, we will develop a check list of items that require correction or further work if the restoration was not done properly. Residents will find written instructions on new lawn care in their

The property was sold in various parcels, with the last parcel owned by Asarco being sold in 1936. Homes were built on many of the parcels. The highway interchange between East Marine View Drive and State Route 529 was built across the old smelter site in the 1950s.

Ecology discovered the contamination problem in October 1990. A local company notified Ecology that they had found elevated concentrations of arsenic and lead in the soil and groundwater during an environmental assessment of their property. Ecology conducted additional investigations of the surrounding area.

The soil at the Everett Smelter Site has higher than normal levels of arsenic, lead, cadmium and other metals. The area includes both the former smelter plant property, which contained the smelter debris, and the surrounding area which was affected by air emissions from the smelter stacks. Areas next to the former smelter property also may have been contaminated by smelter operations, including spilled products and smelter waste.



<p>EXPLANATION</p> <ul style="list-style-type: none"> CLEANED PROPERTIES SAMPLED PROPERTIES AWAITING CLEANUP <p>TOTAL CPM = 718 acres UPLAND = 432 acres LOWLAND = 286 acres HISTORIC PLANT BOUNDARY = 21.6 acres FENCED AREA = 5.6 acres</p>	<p>EVERETT SMELTER SITE PROPERTIES CLEANED</p> <p>Map also shows the upland and lowland areas and site acreages.</p> <p>February 2003</p>	 <p>WASHINGTON STATE DEPARTMENT OF ECOLOGY</p>
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Everett Smelter Properties Cleaned Map