



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

Northwest Regional Office • 3190 160th Avenue SE • Bellevue, Washington 98008-5452 • (425) 649-7000

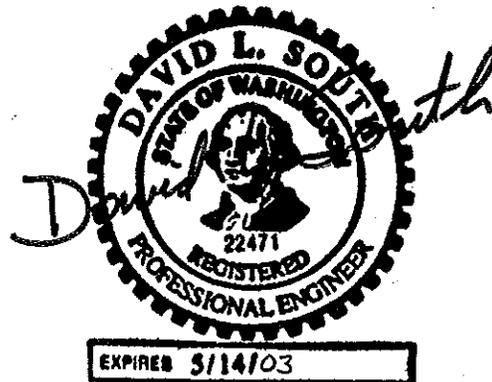
Professional Engineer's Statement
Everett Smelter Cleanup
March 17, 2003

Sampling and soil remediation were carried out at the following homes within the Everett Smelter Site during the period September 2002 to January 2003:

<u>Address</u>	<u>Owner</u>
Jeffrey G. Martz	108 Skyline Drive
William Udman and Alice Shaefer	203 Skyline Drive
Sam Bagley	206 Skyline Drive
Marion O. Lamb	209 Skyline Drive
Beverly Innes	212 Bridgeway
Gertrude L. Vaughn	216 Bridgeway
Scott Schroeder	222 Bridgeway
Mark M. Leonard	226 Bridgeway
Jean M. Burt	232 Bridgeway

Based on the results of testing and inspections, it is my opinion that the soil remediation carried out at these homes was performed in substantial compliance with the plans, specifications, and related documents governing the work.

Remediation work remaining to be done at these homes includes addressing crawl spaces as necessary and carpet and duct cleaning.



Washington Department of Ecology Everett Smelter Site 2002 Cleanup

Details of Cleanup Activities

The Department of Ecology (Ecology) selected 9 homes within the Everett Smelter Site for cleanup in 2002. Cleanup activities were conducted between September 4, 2002 and January 29, 2003. The cleanup was conducted according to the *Everett Smelter Site: Integrated Final Cleanup Action Plan and Final Environmental Impact Statement for the Upland Area*.

This report describes the cleanup actions that were conducted, what arsenic-contaminated soil was removed and where it remains for the following location:

Property Owner Jean M. Burt

Address: 232 Bridgeway
Everett, WA 98201

Snohomish County
State of Washington
Tax Parcel No. # 005203-000-035-00

For the purposes of sampling to determine the depth to which excavation would be required, this property was divided into two Decision Units, A and B, as shown on the attached map. The following is a summary of the work done to remediate the property within each of the decision units.

Decision Unit: A

Results of pre-cleanup sampling indicated 24 inches of soil would have to be excavated in this decision unit. Attachment B shows that below 24 inches, results of composite sample analyses are below the remediation level of 150 parts per million (ppm). However, because the soil below 24 inches contains arsenic above the cleanup level of 20 ppm, a geofabric marker was placed.

Field measurements by the Ecology on-site coordinator confirmed that soil was removed to a depth of 24 inches, except as noted below. The driveway, walkway and stairs to the front door were not removed. At the owners' request, the rose and the large rhododendron in the planting bed near the front door (sampling locations L-1 and L-2) were not removed. Within the drip line of the plants, soil was removed from the top of the roots. Beyond the drip line, soil was removed to a depth of 24 inches.

232 Bridgeway
Everett, WA 98201

After placing a geofabric marker, the Decision Unit was backfilled with clean material, as described in the *Specifications for Everett Residential Soil Remediation*. The downspouts on the north side of the house were connected to a French drain that was placed along the base of the concrete wall on the north property line. This drain is connected to the catch basin located near the northeast corner of the property on Bridgeway. A section of the water supply line damaged during excavation was replaced.

After placing the topsoil, the planting bed near the front door was restored and sod was planted on the upper, flat portion of the yard. The face of the slope between the lawn and Bridgeway was covered with jute netting, planted with groundcover and topped with bark. The area at the base of the slope was finished with crushed rock.

Decision Unit: B

Results of pre-cleanup sampling indicated that no soil needed to be removed from this area. The average arsenic concentration does not exceed 20 ppm nor does any single sample exceed 40 ppm.



April 3, 2003

Daniel R. Cargill
Washington Department of Ecology

DRC:dc

Attachments: A. Site Map
B. Graphs of Arsenic Concentration vs. Depth
C. Explanation of graphs

Note: If the attachments listed above do not accompany this document, copies may be obtained from Ecology. Please contact Central Records at Ecology's Northwest Regional Office (NWRO), at (425) 649-7190 for information on obtaining copies.

cc: Ecology Central Files, NWRO
Everett Public Library
Asarco Information Center, Everett
Northeast Everett Community Organization
Northwest Everett Neighborhood Association
City of Everett Public Works
Snohomish PUD
Office of the Attorney General
Ecology Contract Officer
Ecology On-site Coordinator



Scale: 1" = 15'

232 Bridgeway (Home 57)

Everett Smelter Homesite Cleanup

Source: Snohomish Health District

LEGEND

- Decision Unit Samples
- Landscape Samples
- Crawlspace Samples
- Sub surface drains

