

Washington Department of Ecology

Everett Smelter Site

Summer 1999 Cleanup

Details of Cleanup Activities

The Department of Ecology (Ecology) cleaned up the yards of ten homes within the Everett Smelter Site in the summer of 1999. The cleanup was conducted according to the *Everett Smelter Site: Integrated Draft Cleanup Action Plan and Draft Environmental Impact Statement for the Upland Area*. The cleanup plans were made final in November 1999. The final plans contain no substantive differences from the draft plans.

This report describes the cleanup actions that were conducted, what arsenic-contaminated soil was not removed, and where it remains for the following location:

Property Owner: Robert and Eileen Stevenson

Address:
212 Medora Way
Everett, WA 98201

Snohomish County
State of Washington
Tax Parcel No. # 3966-000-231-0007

This property was divided by Ecology into two Decision Units, A and B, as shown on the attached map, for purposes of pre-cleanup sampling and decision-making regarding the depth to which excavation was required. The following is a summary of the work done in the remediation of the property within each of the decision units.

Decision Unit: A

Results of pre-cleanup sampling indicated 12 inches of soil were to be excavated from within this decision unit. Attachment B shows that below 12 inches, results of composite sample analyses are below the remediation levels of 60 and 150 parts per million (ppm), and discrete sample analyses are below the remediation level of 150 ppm. However, because the soil below 12 inches contains arsenic levels 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 12 inches. Along the northern side of the existing home the excavation was

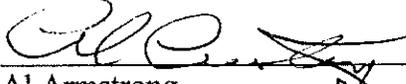


sloped approximately 1:1 away from the foundation to protect the integrity of the structure. Within the dripline of the bush at the northern side of the house only the existing sod was removed; beyond the dripline, 12 inches were excavated. At the owners' request, soil in landscaped areas, including along the back fence in the back yard, flower beds along the front of the existing house, and between the house and driveway was not removed. However, soil was excavated from the planted area at the base of the lamp post, near the end of the driveway along Medora Way. The sidewalk running from Medora Way to the front steps of the house was not removed during excavation. After placing a geofabric marker, backfilling with clean backfill material was carried out, as described in the *Specifications for Everett Residential Soil Remediation*. Topsoil was then placed, and sod, bushes and shrubs planted.

Decision Unit: B

Results of pre-cleanup sampling indicated 36 inches of soil were to be excavated from within this decision unit. Attachment B shows that below 36 inches, results of composite sample analyses are below the remediation level of 150 ppm. However, because the soil below 36 inches contains arsenic levels above the cleanup level of 20 ppm, a geofabric marker was placed. In order to facilitate excavation, the southern half of the wood fence along the northeast boundary of the property was removed, along with the planted area along the fence. Upon the completion of excavation, the fence was replaced.

Field measurements by the Ecology on-site coordinator confirmed that soil was removed to a depth of 36 inches. Exceptions were that, at the owners' request, soil in the planted area along the front of the house, and under the air-conditioning unit along the northeast side of the house was not removed. Within the dripline of the evergreen tree near the air-conditioning unit and the gate along the northeast side of the house, and within the dripline of bushes along the northwest boundary of the property only the existing sod was removed; beyond the driplines, 36 inches were removed. After placing a geofabric marker, backfilling with clean backfill material was carried out, as described in the *Specifications for Everett Residential Soil Remediation*. Topsoil was then placed, and sod and replacement bushes were planted.



Al Armstrong
Washington Department of Ecology

November 30, 1999

ATA:aa

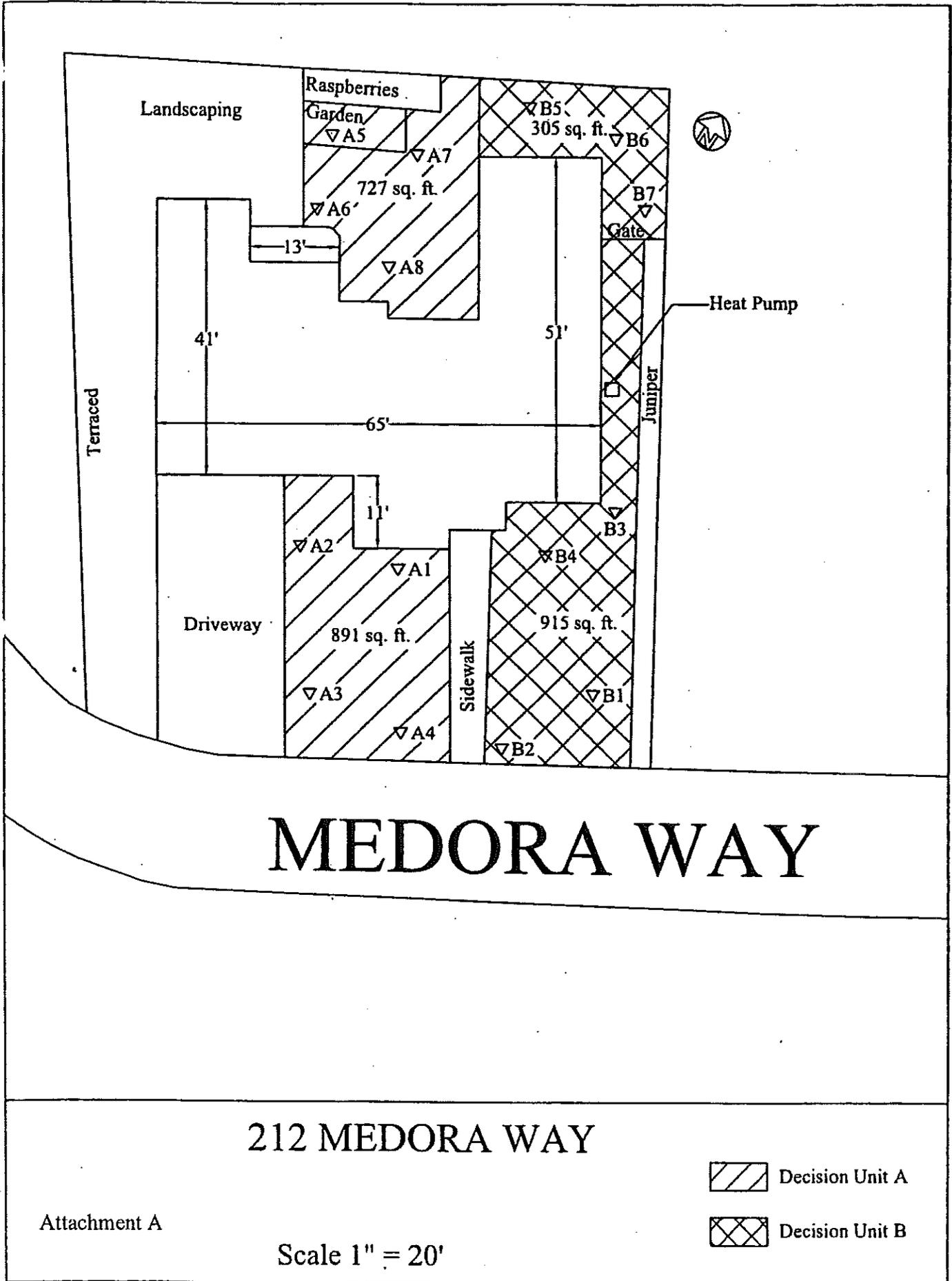
Attachments: A. Site Map
B. Graphs of Arsenic Concentration vs. Depth (1 page)
C. Explanation of graphs



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

cc: Ecology Central Files, NWRO
Mary Sue Wilson, Assistant Attorney General
Mike Young, Snohomish Health District
City of Everett
Snohomish PUD
Northeast Everett Community Organization
Northwest Everett Neighborhood Association





MEDORA WAY

212 MEDORA WAY

Attachment A

Scale 1" = 20'

-  Decision Unit A
-  Decision Unit B

