

Preliminary Site Investigation and Characterization
of the
Former Atomic Energy Commission Bus Lot Property

ABSTRACT

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An investigation of the former Atomic Energy Commission Bus Lot Property in Richland, Washington was conducted to gather sufficient data to gain a preliminary understanding of the nature, location and extent of potential environmental contaminants required for regulatory compliance. Existing data from historical sources and previous investigations formed the basis of a site conceptual model. Human health risk-based screening levels were developed, and field sampling activities were conducted to demonstrate compliance with these screening levels. Results showed asbestos, heavy metal, pesticide, polycyclic aromatic hydrocarbon (PAH), and total petroleum hydrocarbon (TPH) contamination concentrations in surface and near surface soils in excess of residential screening levels. Except for asbestos, no industrial screening levels were exceeded. It is recommended that administrative controls be established at the site, and that site clean-up activities be considered for future unrestricted land use.