

**Drilling of Borehole B8786 at
116-DR-1/2 Trenches**

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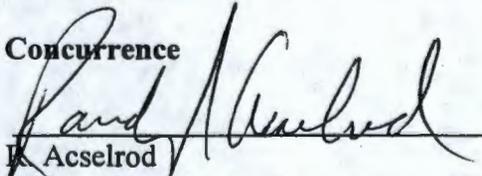
BY DIS

A borehole will be drilled in the bottom of the 116-DR-1/2 to a depth of approximately 46 feet to determine if the zone beneath the current excavation is within cleanup goals. The contamination levels at the bottom of the trenches are approximately 50,000 dpm beta/gamma (on contact). Levels slightly above this could be encountered based on information gained from the 100 B/C remediation activities. The borehole will be drilled with a cable tool rig. Vadose zone and upper saturated zone samples will be obtained with a split spoon sampler. Drill cuttings will be shipped to ERDF.

Drilling of the borehole has the potential to emit radioactive particulates. Authorization to emit radionuclides from the 100-DR-1 Remedial Action Project was originally documented in ERC Meeting Minutes (CCN 037135) dated September 26, 1996 and later modified with meeting minutes dated July 24, 1998 (CCN 061420). The September 26, 1996 minutes indicated that the work that is going to be accomplished in the 100 D Area is very similar to the on-going remediation in the 100 B/C Area. There will be two major excavations as well as pipelines to be remediated. Sampling to determine if cleanup goals have been met has always been a part of remediation activities. The July 24, 1998 meeting minutes just provided an updated calculation of the potential-to-emit.

It is believed that drilling of this borehole is within the remediation scope identified in the meeting minutes. There will be no measurable change in the calculated potential-to-emit (the estimate was based on several thousand tons, while drilling will generate less than 1 ton) and the existing air monitoring system is adequate to monitor any potential emissions from drilling and sampling activities.

Concurrence



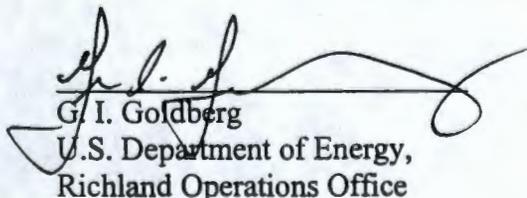
Paul Acselrod
State of Washington Department of Health

June 10, 1999
Date



W. W. Soper
State of Washington Department of Ecology

6-10-99
Date



G. I. Goldberg
U.S. Department of Energy,
Richland Operations Office

June 10, 1999
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