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STATE OF WASHINGTON

DEPARTMENT OF ECOLOGY

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October 14, 1996

Ms. Marilyn Reeves, Chair  
Hanford Advisory Board  
800 NW Sixth Avenue, Suite 342  
Portland, OR 97209-3715

Dear Ms. Reeves:

Thank you for your letter conveying the Hanford Advisory Board's advice concerning treatment of groundwater pumped from the 200-UP-1 operable unit (HAB Advice #52). The Board recommended the use of the 200 Area Effluent Treatment Facility to treat the pumped water provided a way is found to meet regulatory requirements.

A pilot scale pump-and-treat system was started at a rate of about 15 gallons per minute (gpm) in April of 1994 to remove uranium, technetium-99 and carbon tetrachloride. The pilot scale system proved to be successful in the removal of contaminants from the groundwater. The system was upgraded to 50 gpm in November 1995 by construction of additional extraction and injection wells. Based on field analysis of plume containment and mass removal, a pumping rate of 50 gpm is considered to be adequate to meet the Interim Remedial Measures objectives for the 200-UP-1 operable unit.

A Record Of Decision (ROD) has been prepared by Ecology, and the draft is under review by the USDOE and USEPA. The selected remedy uses the existing Effluent Treatment Facility, located in the 200 East Area, to minimize migration of uranium, technetium-99, nitrate and carbon tetrachloride in the groundwater of the 200 West Area. We expect to resolve associated regulatory issues and to sign the ROD during December 1996.

If you have further questions, please contact me or our 200-UP-1 Project Manager, Mr. Shri Mohan, at-509/736-5704.

Sincerely,

Dan Silver, Assistant Director  
Waste Management Division

