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Department of Energy

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JAN 26 1993

93-LWB-004

Mr. David B. Jansen, P.E.  
Hanford Project Manager  
State of Washington  
Department of Ecology  
P. O. Box 47600  
Olympia, Washington 98504-7600

Dear Mr. Jansen:

### RESULTS OF GROUNDWATER ANALYSIS AT THE 216-U-12 CRIB, LETTER OF NOTIFICATION

The 216-U-12 Crib has been designated as a dangerous waste management unit under the State of Washington Hazardous Waste Management Act of 1976, as amended, and is operating under interim status. The Crib has been inactive since January 1988. Required quarterly sampling for the 216-U-12 Crib began in September 1991. Results from the first four sampling events were used to establish background data, and subsequent sampling results have been used to determine if the waste site is affecting the quality of the groundwater.

Results from the September 1992, sampling event and the required verification resampling, which occurred in December 1992, indicate that the contamination indicator parameter Specific Conductance in downgradient wells 299-W22-41 and 299-W22-42 is elevated above the calculated background value. The background critical mean value obtained from the upgradient well 299-W22-43 is 457.8 micromhos/cm. The specific conductivity replicate averages obtained from wells 299-W22-41 and 299-W22-42 during the September 1992, sampling event are 687.25 and 680.00 micromhos/cm, respectively. The difference between the upgradient and downgradient wells was statistically verified on January 5, 1993.

Because specific conductance is one of the indicator parameters for groundwater contamination (listed in 40 CFR 265.92 (b)(3)), we are providing written notification of these results. An assessment monitoring plan will be submitted within 15 days of this notification to satisfy the interim-status monitoring requirements of Title 40 CFR Part 265.92.



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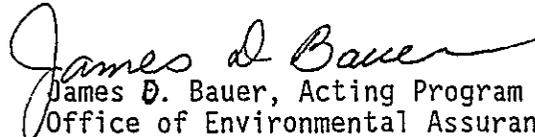
Mr. David B. Jansen, P.E.  
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If you have any questions, please contact M. J. Furman of the Waste Management Division on (509) 376-7062.

Sincerely,

  
James D. Bauer, Acting Program Manager  
Office of Environmental Assurance,  
Permits, and Policy

WMD:MJF

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Subject: Results of Groundwater Analysis at the 216-U-12 Crib, Letter of Notification

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