



**Department of Energy**  
 Richland Operations Office  
 P.O. Box 550  
 Richland, Washington 99352

**JUN 7 2001**

01-GWVZ-025

Ms. Jane Hedges  
 Perimeter Areas Section Manager  
 Nuclear Waste Program  
 State of Washington  
 Department of Ecology  
 1315 W. Fourth Avenue  
 Kennewick, Washington 99336

**RECEIVED**  
 AUG 22 2003  
**EDMC**

Dear Ms. Hedges:

**RESULTS OF ASSESSMENT AT THE NON-RADIOACTIVE DANGEROUS WASTE  
 LANDFILL (NRDWL)**

NRDWL is a Resource Conservation and Recovery Act facility southeast of the 200 East Area, which has been monitored under an interim-status detection program (40 CFR 265.92). As discussed in the U.S. Department of Energy, Richland Operations Office, letter to you from me, "Notification of Specific Conductance Exceedance at the Non-Radioactive Dangerous Waste Landfill (NRDWL)," dated May 21, 2001 (01-GWVZ-023), the average result of quadruplicate samples from downgradient wells 699-25-34A and 699-25-34B exceeded the critical mean value for specific conductance in February and March 2001. The field measurements were in line with historical trends, so no verification sampling was required.

Specific conductance is an indicator parameter under interim-status regulations. Because levels in downgradient wells have been determined to be statistically different from background, the two following actions were required:

"Within 15 days after notification under paragraph (d)(1) of this section, the owner or operator must develop and submit to the Regional Administrator a specific plan . . . for a groundwater quality assessment program at the facility. [40 CFR 265.93(d)(2)]; and

. . . as soon as technically feasible . . . submit . . . a written report containing an assessment of the groundwater quality. [40 CFR 265.93(d)(5)."

The increased specific conductance is believed to be caused by increases in the concentrations of non-hazardous constituents (bicarbonate, sulfate, calcium, and magnesium) from the adjacent Solid Waste Landfill, as discussed in the attached report. We propose continuing detection monitoring at this site. The report is intended to serve as both the assessment plan and the assessment report, to fulfill both of the requirements listed above.

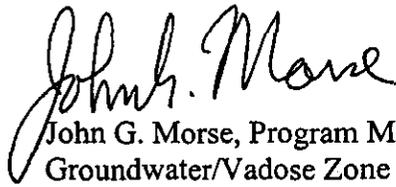
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If you want to discuss this matter further or require additional information, please contact Marvin J. Furman at (509) 373-9630.

Sincerely,



John G. Morse, Program Manager  
Groundwater/Vadose Zone Project

GWVZ:MJF

Attachment

cc w/attach:

D. N. Goswami, Ecology  
J. Price, Ecology

cc w/o attach:

C. J. Kemp, BHI  
G. B. Mitchem, BHI  
J. G. Woolard, BHI  
J. V. Borghese, CHI  
S. Leja, Ecology  
J. W. Lindberg, PNNL  
S. P. Luttrell, PNNL  
M. D. Sweeney, PNNL