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MAR 21 1996

Mr. Steve M. Alexander
Perimeter Areas Section Manager
Nuclear Waste Program
State of Washington
Department of Ecology
1315 W. Fourth Avenue
Kennewick, Washington 99336-6018

Mr. Douglas R. Sherwood
Hanford Project Manager
U.S. Environmental Protection Agency
712 Swift Boulevard, Suite 5
Richland, Washington 99352-0539



Dear Messrs. Alexander and Sherwood:

VALIDATION SUMMARY REPORT FOR THE 100-KR-4 GROUNDWATER ROUND 8, BHI-00553, REV. 0

Attached is the subject document (Attachment 1) for your information. This report includes a summary of the validation with text describing the validation process and discussion of the results. Summary tables are included that present the analytical results for each sample. Also provided as Attachment 2, is a map of the 100-KR-4 Operable Unit showing well locations.

A minimum of 10 percent of the samples were validated from the eighth round groundwater samples as specified in the work plan. The data are validated by a review of laboratory performance and implementation procedures.

Section 3.0, General Chemistry Data Validation Summary, indicates that the percentage of usable laboratory determinations do not meet the program requirement of 90 percent. The unusable determinations were analyzed for nitrate, nitrite, and phosphate (U.S. Environmental Protection Agency Method 300.0) for informational purposes only, and are not to be considered when evaluating the program requirement of 90 percent. Samples analyzed by this method have a 48-hour holding time which was exceeded. One hundred percent of all the other analyses (such as chromium) were usable.

If you have any questions, please contact me at 373-9631.

Sincerely,

Arlene C. Tortoso

Arlene C. Tortoso, Project Manager
Groundwater Project

GWP:ACT

Attachments: As stated

cc w/attach:
L. E. Gadbois, EPA
W. W. Soper, Ecology

cc w/o attach:
R. L. Biggerstaff, BHI
G. C. Henckel, BHI

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