



STATE OF WASHINGTON

DEPARTMENT OF ECOLOGY

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May 1, 1991

Mr. Steven H. Wisness
 Hanford Project Manager
 United States Department of Energy
 P.O. Box 550
 Richland, Washington 99352

Re: Grout Disposal Facilities, Nonconformance Report B-714-75 (5162-71)

Dear Mr. Wisness:

We have seen Nonconformance Report B-714-75 (5162-71). A potentially serious error has been made in placing the reinforcing steel in the vault walls. The strength of these walls in flexure has been reduced. The proposed remedy is not sufficient to correct for flexural strength loss.

We have reviewed the revised wall strength calculations in Kaiser Engineers Hanford office, and our consultants have reviewed the strength of the wall using the ECN. Although we do find that the safety factor of the original wall design for strength in flexure has been reduced, the reduction is not enough to cause concern, since the original design was quite conservative. You may continue with construction operations.

For the record, we will require that you submit complete structural calculations demonstrating that you have checked the strength of this wall for all loading conditions. These calculations shall be certified by a professional engineer registered in the State of Washington and specializing in structural analysis. This analysis shall be submitted to this office for approval no later than May 15, 1991.

This is the third error made by the contractor on this project in the reinforcement placement. Each of these errors has been progressively worse. We would like to hear from you what measures you propose to prevent their repetition.

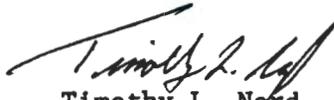
A draft copy of this letter, dated April 3, 1991, was inadvertently released as copies to some of your staff and your contractors staff. Please ignore these copies.



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If you have any technical questions concerning this matter please call
Gary Anderson at (206) 438-7558.

Sincerely,



Timothy L. Nord
Hanford Project Manager

cc: Dan Duncan
Dave Nylander
[REDACTED]
Cliff Clark
Larry Gaddis

*REISSUE

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Subject: Grout Disposal Facilities, Nonconformance Report B-714-75 (5162-71)

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