



# Lawrence Livermore National Laboratory

NUCLEAR SYSTEMS SAFETY PROGRAM  
L-196

October 28, 1987

Mr. Michael E. Blackford, MS-623ss  
Project Officer, WMGT  
Geology/Geophysics Section  
Technical Review Branch  
Division of High-Level Management  
Office of Nuclear Materials Safety and Safeguards  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Subject: Transmittal of Reference Review Letter Report  
FIN A0297

Reference: "Preliminary Intraflow Structure and Stratigraphy Evaluation  
for Boreholes DC-23GR, DC-24CX, DC-25CX, DC-32CX and DC-33CX,"  
Doc. No. GS-GW-101, Rockwell-Hanford Operations, 53p.

Dear Mr. Blackford:

The purpose of this letter is to transmit the subject letter report.

In a memorandum from Lefevre to Blackford, "Request of LLNL Consultant  
Services," dated 23 September 1987, a brief review of the reference DOE  
document was requested. In response to this request, we have performed our  
review of the reference document.

If you have any questions, please let us know.

Sincerely yours,

Dae H. (Danny) Chung  
Project Leader

DHC/ic  
Enclosure as stated.

cc: H. E. Lefevre, NRC/WMGT

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NM Project: NM-10, 11, 16  
PDR w/encl  
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NM Record File: A-0297  
LPDR w/encl

LLNL DOCUMENT REVIEW SHEET

Review Document Number: DWC 87-1

Topic: Test and Operations Procedure

Site Applicability: BWIP

Document: Anon., (1987), Preliminary Intraflow Structure and Stratigraphy Evaluation for Boreholes DC-23GR, DC-24CX, DC-25CX, DC-32CX and DC-33CX, Doc. No. GS-GW-101, Rockwell-Hanford Operations, 53 p.

Reviewer: David W. Carpenter

Data Review Completed: 10/20/87

Reviewer's Comments

This document describes a series of actions designed to evaluate drilling progress of 5 rotary-drilled holes for the BWIP project and to establish that the holes have encountered key stratigraphic contacts as anticipated within acceptable limits.

The procedures are extensive and appear to be fail-safe with respect to monitoring well progress and evaluating hole stratigraphy while field operations are underway.

A procedure is also established in the event that "non-standard conditions" are experienced. The procedure specifies the chain for written communications and the nature of the evaluations committee to be appointed in such an event. How the committee shall proceed is contained in another Procedures document (PMPM 7-119) for which review has not been requested.

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LPDR WM-10(2)  
WM-11(2)  
WM-16(2)

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WM-225  
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WM Project 10, 11, 16  
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PDR ✓  
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Distribution:

Blackford \_\_\_\_\_  
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