



**Department of Energy**  
Office of Civilian Radioactive Waste Management  
Yucca Mountain Site Characterization Office  
P.O. Box 30307  
North Las Vegas, NV 89036-0307

QA: N/A

**JUN 28 2001**

**OVERNIGHT MAIL**

C. William Reamer, Chief  
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**TRANSMITTAL OF REPORTS AND DATA ADDRESSING KEY TECHNICAL ISSUES  
(KTI)**

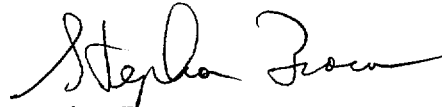
This letter transmits the following documents that address agreements reached at various KTI technical exchanges:

ANL-EBS-GE-000003, Revision 01, ICN 01, Longevity of Emplacement Drift Ground Support Materials. This document provides the technical basis for the range of relative humidity and temperature, and the potential effects of localized liquid phase water on ground support systems. This document partially completes Repository Design and Thermal-Mechanical Effects agreement item 3.1. Note that the original agreement inaccurately referred to Revision 1 instead of Revision 1, ICN 1. The U.S. Department of Energy (DOE) agreed to provide this document by September 2001.

Description of Phase 3 of the Ventilation Test. This document provides the detailed test plan for Phase 3 of the ventilation test for the U.S. Nuclear Regulatory Commission's (NRC) comments, and partially completes Thermal Effects on Flow agreement item 2.6. By previous correspondence, DOE revised the original due date of this document from March 2001 to June 2001. Additionally, the NRC agreed to provide any comments on the test plan within two weeks of receipt. However, receipt of NRC comments within 30 days of your receipt of the test plan will allow adequate time for DOE to consider any NRC comments prior to Phase 3 test initiation.

JUN 28 2001

Please direct any questions concerning this letter and its enclosures to Timothy C. Gunter at (702) 794-1343.



Stephan Brocoum  
Assistant Manager, Office of  
Licensing and Regulatory Compliance

OL&RC:TCG-1345

Enclosures:

1. CD containing ANL-EBS-GE-000003,  
Revision 01, ICN 01, Longevity of  
Emplacement Drift Ground Support  
Materials, and Description of Phase 3 of  
the Ventilation Test
2. Hard copy of Enclosure 1

cc w/encl 1:

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cc w/encl 1: (continued)

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