



**Department of Energy**  
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QA: N/A

**MAR 27 2002**

OVERNIGHT MAIL

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TRANSMITTAL OF REPORTS ADDRESSING KEY TECHNICAL ISSUES (KTI)

Reference: Ltr, Reamer to Brocoum, dtd 9/28/01

Enclosure 1, *Preclosure Safety Analysis Guide* (Guide), is a description of approaches to meeting 10 CFR Part 63 Preclosure Safety regulatory requirements. This enclosure satisfies KTI Agreement Item PRE.06.02.

The Guide describes processes to be used in developing a Preclosure Safety Analysis to meet 10 CFR Part 63. The intent of the document is to provide guidance to the safety analysts in developing hazards analyses, event sequences, consequence analyses, preclosure design basis, as defined in 10 CFR 63.2, and identification of systems, structures, and components important to safety. It also provides guidance on uncertainty analysis, fault tree development, and hazards such as seismic, industrial/military, wind/tornado, etc. The Guide is a living document that will be updated based on feedback gained from application of the processes and regulatory input as a result of U.S. Nuclear Regulatory Commission (NRC) interactions and/or guidance documents (e.g., Yucca Mountain Review Plan). Additionally, sections will be expanded, or added later, based on the evolution of the design and the Preclosure Safety Analysis. Analyses discussed in the Guide will be documented in accordance with Yucca Mountain Site Characterization Project procedures.

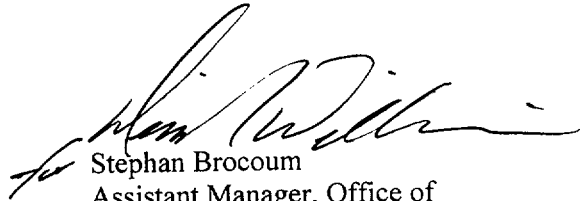
Enclosure 2, *Classification Criteria and Maintenance of the Monitored Geologic Repository Q-List, AP-2.22Q, Revision 0, ICN 0*, has superceded *Classification of Permanent Items, QAP-2-3* and, in conjunction with Enclosure 1, satisfies KTI agreement item PRE.06.01. *Classification Criteria and Maintenance of the Monitored Geologic Repository Q-List, AP-2.22Q* contains the criteria for classification as a Quality Level or Conventional Quality item. The process for classification that was in *Classification of Permanent Items, QAP-2-3* has been revised based upon the presentations given and feedback obtained at the July 2001 NRC/U.S. Department of Energy Preclosure Technical Exchange and the subsequent referenced letter from NRC, and is now located in Section 12 of the Guide.

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Enclosure 3 addresses the four specific concerns identified in the referenced NRC letter.

Please direct any questions regarding this letter to Timothy C. Gunter at (702) 794-1343 or Paul G. Harrington at (702) 794-5415.



Stephan Brocoum  
Assistant Manager, Office of  
Licensing and Regulatory Compliance

OL&RC:TCG-0724

Enclosures:

1. TDR-MGR-RL-000002, REVISION 0,  
"Preclosure Safety Analysis Guide"
2. AP-2.22Q REVISION 0, ICN 0, "Classification  
Criteria and Maintenance of the Monitored  
Geologic Repository Q-List"
3. DOE Response to Concerns Identified in  
Ltr, 9/28/01, Reamer to Brocoum

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