

# memorandum

DATE: AUG 16 1994

REPLY TO  
ATTN OF: RW-3

SUBJECT: OFFICE OF QUALITY ASSURANCE ORGANIZATION CHART

TO: Distribution

Attached is the updated organization chart for the Office of Civilian Radioactive Waste Management, Office of Quality Assurance.

If you have any questions, please call Helga Masuda at (702) 794-7914.



Donald G. Horton, Acting Director  
Office of Quality Assurance

Attachment as stated

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**RESPONSE TO CAR NO. YM-94-069**

**Remedial Action:**

- 1). Properly reference the CTS Operating and Service Manual, Yucca Mountain Tunnel Boring Machine Model 760.8 (CTS Manual) in the DIE and Specification 01501.
- 2). Make revision to other hydraulic equipment procurement specifications as required to capture manufacturers' operating and maintenance manuals in the submittal process.

**NOTE:** The CTS Manual is placed under Document Control by the constructor.

**Item 1 Responsible Individuals:** Robert Saunders  
Peter Hastings  
**Date of Completion:** 9/1/94

**Item 2 Responsible Individual:** Robert Saunders  
**Date of Completion:** 9/30/94

**Investigative Action:**

Investigative action will consist of reviewing hydraulic equipment procurement specifications to determine if the manufacturers' operating and maintenance manuals are captured in the submittal process. This investigative action will determine the extent of the condition and consider other documents that might reference the CTS Manual.

For the early release of design package 2C, (2 specifications and 4 drawings), the extent of the use of reference to the CTS Manual is only within Specification 01501 titled "Subsurface General Construction", BAB000000-01717-6300-01501.

Submittals such as the CTS Manual and subsequent revisions are reviewed by MGDS for impact on design requirements. However, the impact on design requirements should be minimal. The requirements listed within the DIE (Requirement 3, Section 11.4) and Specification 1501 are generic in nature (i.e., provide a maintenance procedure, use spill and mitigation procedures, etc.). The A/E does not require design input sources to develop Requirement 3. Requirement 3 is placed in the A/E specifications as a requirement to the constructor. The constructor would use the CTS Manual more specifically to provide detail within the procedures required by the specifications.

The CTS Manual is not considered a design input to the DIE since the requirement derived for maintenance (Requirement 3) and placed in design specifications is

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generic. It is agreed that the text of the DIE does describe in some detail, items that were in the CTS proposal. However, this text is not considered design input as the DIE Requirement 3 is generic and not specific. If Requirement 3 contained the specific detail as contained in the DIE text, then the CTS Manual would be treated as design input.

Root Cause Analysis:

The root cause is the failure to capture the manufacturers' operating and maintenance manuals in the submittal process. The CTS Manual has been improperly identified as a design input where it is in fact used as a reference in both cases cited. The intent is to ensure that manufacturers' operating and maintenance manuals for hydraulic equipment are captured during the submittal process (MGP-7-1). The submittals were not adequately identified within the specifications.

Corrective Action to Preclude Recurrence:

- 1). Revise the appropriate specifications to ensure the manufacturers' operating and maintenance manuals are captured by the submittal process. The specific specifications reviewed and revised will be documented upon completion of the investigative action.
- 2). Provide training to specification originators to clarify requirements for submittal identification.

Responsible Individual: Robert Saunders  
Date of Completion: 9/30/94 (Anticipated release of 2C)



Handwritten signature of Robert Saunders and date 8/17/94.