

United States Government

Department of Energy

Memorandum

QA: QA

DATE: JUN 24 2002

REPLY TO

ATTN OF: RW-3 (James Blaylock/4-1420)

SUBJECT: U.S. DEPARTMENT OF ENERGY OFFICE OF CIVILIAN RADIOACTIVE WASTE
MANAGEMENT (OCRWM) OFFICE OF QUALITY ASSURANCE (OQA)
ISSUANCE OF SURVEILLANCE OQA-02-S-16 OF YUCCA MOUNTAIN SITE
CHARACTERIZATION OFFICE (YMSCO)

TO: YMSCO/OPE (C. E. Hampton)

Enclosed is Surveillance Record OQA-02-S-16 of YMSCO conducted by representatives of OQA on May 20 through June 7, 2002, in Las Vegas, Nevada.


The primary purpose of the surveillance was to evaluate YMSCO's deliverable review and acceptance process.

The surveillance team identified two conditions adverse to quality (CAQ) relating to comment review documentation. These CAQs are documented as quality observations in accordance with Administrative Procedure (AP) 16.1Q, Revision 5, *Management of Conditions Adverse to Quality*, and are detailed in the enclosed report.

The surveillance team determined that YMSCO is effectively implementing AP-7.5Q, Revision 0, ICN 3, *Submittal, Review, and Acceptance of Deliverables*. The surveillance is considered completed and closed as of the date of this letter.

If you have any questions, please contact either James Blaylock at (702) 794-1420 or Donald J. Harris at (702) 794-1467.

OQA:JB-1339


Ram B. Murthy, Acting Director
Office of Quality Assurance

Enclosure:
Surveillance Record OQA-02-S-16



JUN 24 2002

cc w/encl:

Margaret Chu, DOE/HQ (RW-1), FORS
N. K. Stablein, NRC, Rockville, MD
Robert Latta, NRC, Las Vegas, NV
Alan Kalt, Churchill County, Fallon, NV
Irene Navis, Clark County, Las Vegas, NV
George McCorkell, Esmeralda County, Goldfield, NV
Leonard Fiorenzi, Eureka County, Eureka, NV
Andrew Remus, County of Inyo, Independence, CA
Mickey Yarbrow, Lander County, Battle Mountain, NV
Lola Stark, Lincoln County, Caliente, NV
Arlo Funk, Mineral County, Hawthorne, NV
L. W. Bradshaw, Nye County, Pahrump, NV
R. R. Loux, State of Nevada, Carson City, NV
S. W. Lynch, State of Nevada, Carson City, NV
Josie Larson, White Pine County, Ely, NV
Mifflin and Associates, Las Vegas, NV
D. L. Kirby, MTS, Las Vegas, NV
P. V. Auer, NQS, Las Vegas, NV
R. P. Hasson, NQS, Las Vegas, NV
C. M. Palay, NQS, Las Vegas, NV
File, NQS, Las Vegas, NV
B. V. Hamilton-Ray, DOE/YMSCO, Las Vegas, NV
D. G. Horton, DOE/YMSCO, Las Vegas, NV
S. P. Mellington, DOE/YMSCO, Las Vegas, NV
M. E. Van Der Puy, DOE/YMSCO, Las Vegas, NV
V. W. Trebules, DOE/YMSCO, Las Vegas, NV
J. D. Ziegler, DOE/YMSCO, Las Vegas, NV

Nmss07
06/24/02

OFFICE OF CIVILIAN RADIOACTIVE WASTE MANAGEMENT QUALITY ASSURANCE SURVEILLANCE REPORT

QA: QA

Page 1 of 2

QA Surveillance Number:
OQA-02-S-16

Complete only applicable items.

1. Organization/Location Yucca Mountain Site Characterization Office (YMSCO), Las Vegas	2. Subject YMSCO review and acceptance of "Q" deliverables	3. Date(s) Performed 05/20/02 to 06/07/02
4. Surveillance Scope Assess YMSCO's deliverable review and acceptance process.		
5. Requirement(s) (Procedure, Specification, Drawing, etc.) AP-7.5Q, Revision 0, ICN 3, "Submittal, Review, and Acceptance of Deliverables"		6. Originator Donald J. Harris Team Members Christian M. Palay

SURVEILLANCE RESULTS

7. Description/Details

The surveillance team reviewed YMSCO Deliverable Acceptance Review (YDAR) records packages, completed in Fiscal Year (FY) 2002, for compliance with AP-7.5Q. The records packages were obtained by contacting Bechtel SAIC Company, LLC (BSC) Review Coordination, the organization responsible for compiling and submitting the records to Records Processing Center (RPC).

The surveillance team reviewed the following Quality Affecting YDAR packages :

YDAR # 29054 (MOL.20020529.0167), "Waste Package Operation Fabrication Process Report"
 YDAR # 29476 (MOL.20020529.0175), "Waste Package Projec FY-01 Closure Methods Report"
 YDAR # 27662 (MOL.20020529.0162), "External Criticality Risk of Immobilized Plutonium Waste Form in a Geologic Repository"
 YDAR # 30147 (MOL.20020529.0170), "DR 39 Closeout - Science & Analysis PM"

8. Persons (and their organizations) Contacted Ernest L. Stemley, BSC Review Coordination Catherine E. Hampton, YMSCO Office of Project Execution Deborah L. Kirby, MTS Compliance Management Raymond A. Mele, MTS Engineering James R. Compton, YMSCO Program Manager Special Assistant	9. CAQ/NCR/TE Issued <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Recommendation Issued <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CAQ/NCR/TE Number(s): YMSCO(O)-02-O-040 and YMSCO(O)-02-O-041 CIRS Number(s): N/A
---	---	---

10. Surveillance Conclusions ☒ SAT ☐ UNSAT

The overall YMSCO implementation of AP-7.5Q is determined to be satisfactory.

There were two conditions adverse to quality (CAQ) identified during the surveillance. Both are documented as Quality Observations per AP-16.1Q, Revision 5, "Management of Conditions Adverse to Quality."

OQA(O)-02-O-041 documents the lack of a "no comment" comment sheet for YDAR #30147, a deliverable processed by the Office of Quality Assurance (OQA) for closeout of a deficiency report by BSC. The YDAR was processed as "Accepted" by OQA.

(Continued on page 2)

11. Completed By (Originator) (Print Name) Donald J. Harris	Signature <i>Donald J. Harris</i>	Date 6-17-02
12. Reviewed By (Appropriate QA Manager) (Print Name) RAM B MURPHY	Signature <i>James Blaylock for</i>	Date 6/24/02
13. Approved By (QVM) (Print Name) RAM B MURPHY	Signature <i>James Blaylock for</i>	Date 6/24/02

**OFFICE OF CIVILIAN RADIOACTIVE WASTE MANAGEMENT
QUALITY ASSURANCE SURVEILLANCE REPORT**

QA: QA

Page 2 of 2

QA Surveillance Number:
OQA-02-S-16

Complete only applicable items.

1. Organization/Location Yucca Mountain Site Characterization Office (YMSCO), Las Vegas	2. Subject YMSCO review and acceptance of "Q" deliverables	3. Date(s) Performed 05/20/02 to 06/07/02
---	---	--

10. Surveillance Conclusions: (Continued)

The record package contains no objective evidence of a "no comments" comment sheet being documented by OQA. This quality observation does not impact this surveillance's assessment of YMSCO's implementation of AP-7.5Q because OQA and YMSCO are separate and independent organizations, within the Office of Civilian Radioactive Waste Management (OCRWM).

YMSCO(O)-02-O-040 documents the lack of "no comment" comment sheets for YDAR #27662, YDAR # 29054, and YDAR #29476. The Office of Project Execution within YMSCO accepted these deliverables. Therefore, each of the YDAR packages should have "no comments" documented on an AP-5.1Q, Revision 3, ICN 1, "Plan and Procedure Preparation, Review, and Approval" comment sheet. When this CAQ was discussed with the YMSCO management representative, the "no comments" comment sheets were later discovered to have been documented on the wrong form, hence they were never provided to BSC Review Coordination to be submitted to RPC. The quality of the YDAR review packages will not be indeterminate once the "no comments" comment sheets for each YDAR package is transferred to the proper form and submitted to RPC as a supplement to the original YDAR records package. There was further confusion with regards to YDAR #27662. This deliverable was a BSC report, "External Criticality Risk of Immobilized Plutonium Waste Form in a Geologic Repository" (TDR-EBS-MD-000019). During the YMSCO review for acceptance, the report was found to be acceptable but did not match all the elements of the governing Technical Work Plan (TWP), TWP-MGR-MD-000011. These elements were determined to be non-critical to the generation of the report so it was decided to revise the TWP accordingly. To this the end, the YMSCO reviewer generated comments on AP-5.1Q comment sheets. These comment sheets were discovered as being part of the record package for YDAR #27662. These TWP comment sheets belong with the TWP review records package and YMSCO agreed to coordinate this remedial action. There will be no impact once the TWP records package is supplemented with the YMSCO reviewer's comment sheets.

A similar condition to YMSCO(O)-01-O-040 was documented previously in Deficiency Report (DR) YMSCO-01-D-139. These minor CAQ were determined to occur after the completion of the investigation for the extent of this condition of DR YMSCO-01-D-139, which only covered completed FY 2001 deliverables but prior to the completion of the actions to preclude recurrence.

No recommendations for improvement were identified.