



# Department of Energy

Washington, DC 20585

QA: QA

JUN 05 2002

K. G. Hess  
President and General Manager  
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1180 Town Center Drive, M/S 423  
Las Vegas, NV 89144

U.S. DEPARTMENT OF ENERGY OFFICE OF CIVILIAN RADIOACTIVE WASTE  
MANAGEMENT OFFICE OF QUALITY ASSURANCE (OQA) ISSUANCE OF  
SURVEILLANCE RECORD OQA-02-S-19 OF BECHTEL SAIC COMPANY, LLC (BSC)  
EXPLORATORY STUDIES FACILITY (ESF)

Enclosed is the Surveillance Record, OQA-02-S-19, conducted by representatives of OQA at  
BSC ESF on May 16, 2002.

The purpose of the surveillance was to examine and verify in-place instrumentation calibration  
status, and documentation of traceability of collected geologic specimens.

The surveillance team determined that based on the objective evidence reviewed, BSC is  
effective and adequate in the controls associated with equipment status and traceability of  
collected geologic specimens.

This surveillance is considered complete and closed as of the date of this letter. A response to  
this surveillance record is not required.

If you have any questions, please contact either James Blaylock at (702) 794-1420 or  
John R. Doyle at (702) 794-5021.

*James Blaylock for*  
Ram B. Murthy, Acting Director  
Office of Quality Assurance

OQA:JB-1238

Enclosure:  
Surveillance Record OQA-02-S-19



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*NMSS 07*

JUN 05 2002

cc w/encl:

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**OFFICE OF CIVILIAN  
RADIOACTIVE WASTE MANAGEMENT  
U.S. DEPARTMENT OF ENERGY  
WASHINGTON, D.C.**

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Surveillance No.  
OQA-02-S-19

QA: QA

**QUALITY ASSURANCE SURVEILLANCE RECORD  
SURVEILLANCE PLAN**

1. ORGANIZATION/LOCATION: Bechtel SAIC Company, LLC (BSC) Exploratory Studies Facility (ESF), Area 25 , Nevada Test Site	2. SUBJECT: Examine and verify in-place instrumentation calibration status, and documentation of traceability of collected geologic specimens	3. DATE:  05/16/02
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4. SURVEILLANCE OBJECTIVE:

Verify by walk-through of the ESF that in-place moisture monitoring measuring and test equipment (M&TE) was properly identified as to its calibration status in accordance with AP-12.1Q, Rev. 0, ICN 2, *Control of Measuring and Test Equipment and Calibration Standards*; that water meters were properly identified as per the requirements of LP-OM-39Q, Rev. 0, ICN 1, *Water Meter Flow Check*, and that collected geological specimens were properly identified and on file at the Sample Management Facility (SMF) as to the requirements of YAP-SII.4Q, Rev. 2, ICN 1, BSCN 1, *Collection, Submission and Documentation of Non-Core and Non-cuttings Samples to the Sample Management Facility for Site Characterization*.

5. SURVEILLANCE SCOPE:  Examination of equipment utilized in the ESF and non-core and non-cuttings geological specimens collected by personnel for scientific investigations.	6. SURVEILLANCE TEAM: Team Leader: <u>John R. Doyle</u>  Team Member: <u>N/A</u>
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7. PREPARED BY: (Surveillance Team Leader) <u>John R. Doyle</u> <i>John R. Doyle</i>	DATE: <u>05/16/02</u>	8. CONCURRENCE: (Acting Director, OQA) <u>Ram B. Murthy</u>	DATE: _____
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**SURVEILLANCE RESULTS**

9. BASIS OF EVALUATION / DESCRIPTION OF OBSERVATIONS:

The calibration status of the following pieces of Moisture Monitoring M&TE was verified during walk-through of the ESF:

Location	M&TE Description	Identification Number	Date Calibrated	Date Calibration Due
T/RH 3	RH Probe	S3040020	04/03/01	08/31/03
TRH-2	CR-10 Datalogger	12850	06/08/00	06/30/02
Station 19+42	21X Datalogger	007806	11/15/00	11/15/02
ECRB Entrance	21X Datalogger	13472	11/01/00	11/01/02
Station 21+00	RH Probe	7969	03/21/02	03/21/03

(Continue on page 2)

10. SURVEILLANCE CONCLUSIONS:

Based on the objective evidence reviewed in Block 9, it is determined that BSC is effective and adequate in the controls associated with equipment calibration status and traceability of non-core and non-cuttings geological specimens.

11. COMPLETED BY: (Surveillance Team Leader) John R. Doyle <i>John R. Doyle</i>	DATE <u>05/20/02</u>	12. APPROVED BY: (Acting Director, OQA) <u>James Blaylock Jr</u>	DATE <u>6/5/02</u>
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9. BASIS OF EVALUATION / DESCRIPTION OF OBSERVATIONS: (Continued)

The calibration status of the following water meters was verified during walk-through of the ESF:

<u>Location</u>	<u>Identification Number</u>	<u>Date Calibrated</u>	<u>Date Calibration Due</u>
ESF Surface	Y11654	04/02/02	04/02/03
Station 1+07	Y12335	01/31/02	01/31/03
Station 7+50	Y12193	03/26/02	03/26/03
Station 10+00	Y11706	04/09/02	04/09/03

The following U.S. Geological Survey collected non-core and non-cuttings geologic specimens were on file and verified during walk-through at the SMF:

<u>Location</u>	<u>Identification Number</u>	<u>Date Collected</u>
Station 2+23	00574980	02/12/02
Station 2+00	00574971	12/06/01
Station 2+09	00573621	02/07/01
Station 1+98	00574967	12/06/01
Station 2+13	00574973	12/06/01