United States Government

memorandum

DATE: August 31, 2004
REPLY TO
ATTN OF: CBFO:QA:DSM:GS:04-1807:UFC 2300.00
SUBJECT: Audit A-05-02 of the Bechtel Nevada, Nevada Test Site
TO: Angela P. Colarusso, DOE-NSO

Please be advised that an audit team from the Carlsbad Field Office (CBFO) will conduct an audit of the Bechtel Nevada, TRU waste characterization program utilizing the services of the Central Characterization Project (CCP) at the Nevada Test Site (NTS) on October 5-8, 2004. The audit will be conducted in accordance with the attached audit plan. Representatives from the New Mexico Environmental Department (NMED) may be present to observe the surveillance. The US Environmental Protection Agency (EPA) may perform an independent inspection.

Your representatives are requested to coordinate with the surveillance team to provide the team access to the NTS/CCP facilities, as well as, provide the appropriate space to conduct surveillance team with access to the appropriate documentation and records.

If you have any questions or comments concerning the evaluation, please contact me at (505) 234-7491.

Dennis S. Miehls
Quality Assurance Specialist

Attachment
cc: w/attachment
A. Holland, CBFO  *ED
K. Watson, CBFO  *ED
J. Norton, NSO  *ED
S. Warren, WTS  *ED
D. Haar, WTS  *ED
T. Hedahl, WTS  *ED
L. Griswald, WTS  *ED
A.J. Fisher, WTS  *ED
M. Eagle, EPA  *ED
E. Feltcorn, EPA  *ED
R. Joglekar, EPA  *ED
J. Bearzi, NMED  *ED
S. Zappe, NMED  *ED
S. Holmes, NMED  *ED
C. Riggs, CTAC  *ED
S. Harrison, CTAC  *ED
L. Green, WRES  *ED
CBFO QA File
CBFO M&RC
WIPP Operating Record, MS 486-06

*ED denotes electronic distribution
CBFO/QA/DSM/GS/04-1807:UFC 2300.00
CARLSBAD FIELD OFFICE AUDIT PLAN

Audit Number: A-05-02

Organization to be Audited: Nevada Test Site (NTS)

Organizations to be notified: Bechtel Nevada (BN)
Washington TRU Solutions (WTS)
Nevada Test Site
New Mexico Environment Department (NMED)
Environmental Protection Agency (EPA)
Defense Nuclear Facilities Safety Board (DNFSB)

Date and Location: October 5-8, 2004
Nevada Test Site, Las Vegas, Nevada

Audit Team:

Charlie Riggs Audit Team Leader
Steve Calvert Auditor, CTAC
Prissy Dugger Auditor, CTAC
Annabelle Axinn Auditor, CTAC
Pete Rodriguez Auditor, CTAC
Porf Martinez Auditor, CTAC
Jim Schuetz Auditor, CTAC
Tammy Bowden Auditor, CTAC
Jimmy Wilburn Auditor, CTAC
Dee Scott Auditor, CTAC
Dick Blauvelt AK Technical Specialist, CTAC
Patrick Kelly NDA Technical Specialist, CTAC
BJ Verret HSG Technical Specialist, CTAC
Wayne Ledford RTR/VE Technical Specialist, CTAC QA Manager
Todd Sellmer Transportation Specialist, WTS
Joe Willis Transportation Specialist, WTS
Audit Scope:

The audit team will evaluate the adequacy, implementation, and effectiveness of NTS transuranic (TRU) waste activities as they relate to the Waste Isolation Pilot Plant (WIPP) Hazardous Waste Facility Permit (HWFP) for retrievably stored debris waste. Additional technical, quality assurance and transportation elements will also be evaluated. These activities include those performed by BN or for BN by the WTS Central Characterization Project (CCP). The specific items to be audited are listed below under ‘Activities to be Audited.’

Governance Documents/Requirements:

The overall program adequacy and effectiveness of NTS/CCP documents will be based on the current revisions of the following documents:

- **Quality Assurance Program Document (QAPD), DOE/CBFO-94-1012**
- **Hazardous Waste Facility Permit, Waste Isolation Pilot Plant EPA No. NM4890139088-TSDF by the New Mexico Environment Department**
- **Contact – Handled Transuranic Waste Acceptance Criteria for the Waste Isolation Pilot Plant (WAC), DOE/WIPP-02-3122**
- **TRUPACT-II Safety Analysis Report; TRUPACT-II Authorized Methods for Payload Control (TRAMPAC); and the TRUPACT-II Certification of Compliance, NRC 71-9281**

Programmatic and technical checklists will be developed from the active revisions of the following documents:

- **CCP Transuranic Waste Quality Assurance Characterization Project Plan (QAPjP), CCP-PO-001**
- **CCP Transuranic Waste Certification Plan, CCP-PO-002**
- **CCP TRUPACT-II Authorized Methods for Payload Control (TRAMPAC), CCP-PO-003**
- **CCP/NTS Interface Document, CCP-PO-009**
- Contract between Bechtel Nevada and WTS (Statement of Work)
- Related CCP Quality Assurance and technical implementing procedures
Activities to be Audited:

The following general areas from section B6-3 of the HWFP:

- Results of previous audits
- Changes in programs or operations
- New programs or activities being implemented
- Changes in key personnel

The following CBFO quality assurance elements will be evaluated:

- Organization and Quality Assurance Program (Program Interfaces and Statement of Work)
- Nonconformances and Corrective Action
- Personnel Qualification and Training
- Documents & Records
- Procurement
- Inspection and Testing (Control of M&TE)
- Assessments
- Software QA
- Grading
- Sample Control

The following CBFO Characterization technical elements will be evaluated:

- Data Generation Level and Project Level Validation & Verification
- Payload, Type B Packaging, and Transportation
- Acceptable Knowledge (AK)
- Nondestructive Assay (SGS System)
- Real Time Radiography (RTR#5 System)
- Visual Examination (VE)
- Headspace Gas Sampling and Analysis
- Waste Certification (e.g., Waste Stream Profile Form)
- WIPP Waste Information System (WWIS)
- Performance Demonstration Program (PDP)
- Waste Analysis Plan (WAP), Section B6
Prepared by: Charlie Riggs, CTAC
Audit Team Leader

Approved by: Ava L. Holland, CBFO
Quality Assurance Manager

Date: 03/26/04
Date: 8/30/04