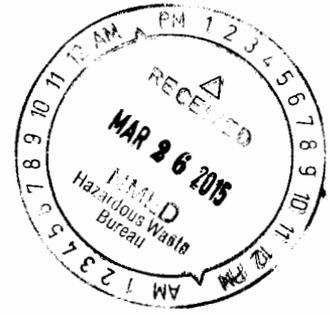




Department of Energy
 Carlsbad Field Office
 P. O. Box 3090
 Carlsbad, New Mexico 88221



MAR 26 2015

Mr. V.K. Cannon, Manager
 Quality Assurance
 Nuclear Waste Partnership LLC
 P.O. Box 2078
 Carlsbad, NM 88221-2078

Subject: Notification and Audit Plan for Audit A-15-15 of the NWP LLC WIPP Radiation Control Program

Dear Mr. Cannon:

Please be advised that the Carlsbad Field Office will conduct Audit A-15-15 of the Nuclear Waste Partnership LLC (NWP) Waste Isolation Pilot Plant (WIPP) Radiation Control Program, in accordance with the enclosed audit plan. The audit will be conducted April 20-23, 2015, at the WIPP site, the Skeen-Whitlock Building and WIPP Laboratories in Carlsbad, New Mexico.

You are requested to provide the resources necessary to coordinate with the audit team, provide knowledgeable personnel to support the audit, arrange for appropriate space to conduct meetings, and provide the audit team with access to appropriate documentation and records.

If you have any questions concerning the audit, please contact me at (575) 234-7491.

Sincerely,

Dennis S. Miehl
 Senior Quality Assurance Specialist

Enclosure

cc: w/enclosure

W. Mouser, CBFO	*ED	T. Peake, EPA	ED
M. Brown, CBFO	ED	L. Bender, EPA	ED
H. Chiou, CBFO	ED	J. Kieling, NMED	ED
M. Navarrete, CBFO	ED	R. Maestas, NMED	ED
R. McQuinn, NWP	ED	S. Holmes, NMED	ED
J. Blankenhorn, NWP	ED	C. Smith, NMED	ED
J. Harris, NWP	ED	V. Daub, CTAC	ED
S. Kennedy, NWP	ED	R. Allen, CTAC	ED
M. Akbarzadeh, URS	ED	P. Martinez, CTAC	ED
W. Ledford, NWP	ED	B. Pace, CTAC	ED
B. Allen, NWP	ED	P. Gomez, CTAC	ED
A. Johnson, NWP	ED	D. Harvill, CTAC	ED
S. Punchios, NWP	ED	G. White, CTAC	ED
S. Escareno-Soto, NWP	ED	CBFO QA File	
M. Beekman, NWP	ED	CBFO M&RC	

*ED denotes electronic distribution



CARLSBAD FIELD OFFICE AUDIT PLAN

Audit Number: A-15-15

Organizations to be Audited: Nuclear Waste Partnership LLC (NWP) and WIPP Laboratories

Organization: NWP RADCON Program and WIPP Laboratories

Date and Location: April 20 – 23, 2015

Waste Isolation Pilot Plant (WIPP) and the Skeen-Whitlock Building and WIPP Laboratories, Carlsbad, New Mexico

Audit Team:

Dennis S. Miehls	Carlsbad Field Office (CBFO) Management Representative
Paul Gomez	Audit Team Leader, CBFO Technical Assistance Contractor (CTAC)
Charlie Riggs	Auditor, CTAC
Bob Boyko	Auditor, CTAC
Kirk Kirkes	Auditor, CTAC
Judith Stewart	Auditor, CTAC
Michel Hall	Technical Specialist, CTAC
Mavis Lin	Technical Specialist, CTAC
Jim Oliver	Technical Specialist, CTAC

Audit Scope:

The audit will evaluate the adequacy, implementation, and effectiveness of the NWP Quality Assurance (QA) Program related to the WIPP Radiation Control (RADCON) Program, and the WIPP Laboratories to the corresponding sections of the CBFO *Quality Assurance Program Document* (QAPD). The following specific procedures and operations will be evaluated:

Radiochemistry Analysis, WIPP Site:

- 12-HP3500, Airborne Radioactivity
- 12-RE3004, Periodic Confirmatory Analysis, Reporting, and Compliance
- 12-RL1011, Elemental Separation of Sr-90
- 12-RL1012, Elemental Separation – Transuranic Products
- 12-RL1015, Canberra Alpha Analyst System Operation
- 12-RL1016, Operation of the Oxford Series 5 Gas Proportional Counter
- 12-RL1017, Vacuum Assisted Rapid Sequential Separation of Actinides and Strontium in Various Matrices
- 12-RL1332, Genie 2000 Gamma Spec Systems Operation

Radiochemistry Analysis, WIPP Laboratories:

- 12-RL1002, Alpha Spectroscopy System
- 12-RL1008, Alpha/Beta and Sr Absorption Curves
- 12-RL1009, Gross Alpha/Beta Activity
- 12-RL1054, Radium 226/228
- 12-RL1056, Sr-90 Analysis by Liquid Scintillation Counter
- 12-RL1057, Pb-210
- 12-RL1314, Perkin Elmer Liquid Scintillation Counter

- 12-RL3002, Radiochemistry Laboratory Validation and Verification
- 12-RL3003, Data Reduction and Reporting
- 12-RL3004, Analytical Variance Reporting

WIPP Laboratories Operations:

- 12-RL1001, Sample Tracking and Custody
- 12-RL1020, Emergency Sample Processing
- 12-RL1550, Control of Radioactive Standards
- 12-RL2001, Analysis of Actinides in Bioassay Samples by ICP/MS
- 12-RL.01, Radiochemistry QAP
- SOW RADCON DQOs for the WIPP Laboratories

Operations and Calibration of Equipment:

- 12-HP1305, Fixed Air Monitoring Equipment
- IC041072, Calibration of Effluent Monitoring Skids A-1, A-2, A-3, B1 and B2 Flow Instrumentation
- IC041096, Calibration of Station C Mass Flow
- IC041097, Effluent Monitoring Station C Fixed Air Sampler Flow Annual Calibration
- IC041098, Quarterly Underground Exhaust Mass Flow Measurement System Calibration for Fans 700A, 700B, and 700C; RCRA
- IC0413000, Station B Mass Flow Measurement System Loop (obsolete)
- PM365001, Inspection and Maintenance of Station B Rad Sample Probes (cannot be used)
- PM411050, Inspection and Maintenance of Station C Radiological Sampler Rake
- PM534006, Effluent Monitoring Fixed Air Sampler Vacuum Pumping System
- 12-HP1245, Tennelec Series 5XLB Low Background Alpha/Beta Counting System Operation
- 12-HP1307, Portable Instrument and Portal Monitor Operability Checks
- 12-HP1306, Canberra Alpha Sentry Continuous Air Monitor
- 12-HP1308, Portable Alpha-6 Continuous Air Monitors
- 12-HP1313, Operation of the Sentinel Model 773 Instrument Calibration
- 12-HP1315, Ludlum Model 2350-1 Data Logger
- 12-HP1317, Canberra iSolo Alpha/Beta Counting System
- 12-HP1318, RADOS Continuous Air Monitor
- 12-HP1319, RADOS RAM 31 Functional Check
- 12-HP1322, Recalibration of Radioactive Sources Using NIST –Traceable Standard Source
- IC534000, RAM 31 Continuous Air Monitor for Alpha and Beta
- 12-HP1304, Canberra iCAM Alpha/Beta CAM
- 12-HP1325, Station B Canberra iCAM Alpha CAM

Quality Assurance Program

- Organization
- Quality Assurance Program
- Training
- Document Control
- Records

Governing Documents:

The adequacy of the NWP QA Program will be evaluated based on the current revisions of the following documents:

- DOE/CBFO-94-1012, *Quality Assurance Program Document (QAPD)*
- 40 CFR Part 61 Subpart H, *National Emission Standards for Emissions of Radionuclides Other than Radon from Department of Energy Facilities*
- DOE/WIPP-97-2238, *Periodic Confirmatory Measurement Protocol for the WIPP*
- WP 13-1, *NWP Quality Assurance Program Description*

Effective implementation of the NWP QA Program will be evaluated based on the applicable portions of the current versions of the following documents:

- SOW RADCON DQOs for the WIPP Laboratories
- 12 RC.01, *Quality Assurance Project Plan*
- 12 RL.01, *Radiochemistry Quality Assurance Plan*
- NWP applicable implementing procedures

Schedule of Audit Activities:

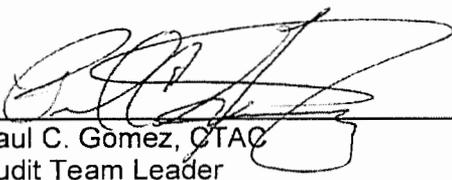
A pre-audit conference is scheduled for Monday, April 20, 2015, at 8:00 a.m., in the WIPP Support Building large conference room.

Management briefings will be held Tuesday through Thursday, April 21 – 23, 2015, at 9:00 a.m., in the WIPP Support Building large conference room.

Audit team caucus meetings are scheduled for Monday and Tuesday at 2:30 p.m., Wednesday at 3:00 p.m., and Thursday at noon; all in the small conference room.

A post-audit conference is scheduled for Thursday, April 23, 2015, at 2:00 p.m., in the WIPP Support Building large conference room.

Prepared by:


Paul C. Gomez, QTAO
Audit Team Leader

Date: 3/25/2015

Concurrence:


Michael R. Brown, CBFO
Director, Quality Assurance Division

Date: 3/25/2015