

United States Government

Department of Energy

memorandum

Carlsbad Field Office
Carlsbad, New Mexico 88221

DATE: 20 DEC 2002

REPLY TO
ATTN OF: CBFO:NTP:RMK:VW:02-3312:UFC:5822

SUBJECT: RFETS Annual Re-evaluation of TRU Waste Program Compliance

TO: Eugene C. Schmitt, Manager, Rocky Flats Field Office

The Carlsbad Field Office (CBFO) completed its annual re-evaluation of the Rocky Flats Environmental Technology Site's (RFETS) TRU Waste Program. The annual recertification audit (A-02-07) was conducted February 4 – 8, 2002 to evaluate the technical and quality assurance programs for continued compliance with the "Waste Analysis Plan" (WAP) of the WIPP *Hazardous Waste Facility Permit*, the *Quality Assurance Program Document*, the *Contact-Handled Transuranic Waste Acceptance Criteria for the Waste Isolation Pilot Plant*, and other CBFO requirements and standards. The technical and QA programs continue to be in compliance.

Based on audit A-02-07, and subsequent audits, the CBFO continues the RFETS authority for certification, characterization, and transportation of contact handled, retrievably stored and newly generated homogeneous solids and debris waste destined for the Waste Isolation Pilot Plant. The attachments to this letter contain the complete lists of currently certified procedures, documents, and systems. TRU waste certification, characterization, or transportation using significantly revised or new processes and systems must be evaluated by the CBFO prior to their implementation.

If you have any questions, please contact Mr. Kerry Watson at (505) 234-7357.



Dr. Inés R. Triay
Manager

Attachments

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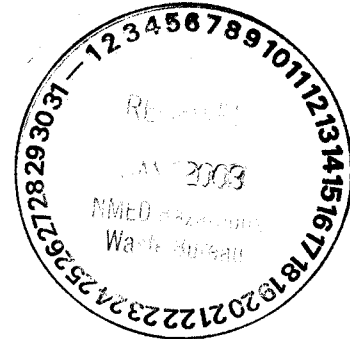


Eugene C. Schmitt

-2-

December 20, 2002

cc: w/attachments
T. Harms, DOE-HQ
K. Watson, CBFO
R. Knerr, CBFO
A. Holland, CBFO
D. Miehs, CBFO
C. Zvonar, CBFO
J. Schneider, RFFO
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G. O'Leary, RFETS
B. Walker, EEG
F. Marcinowski, EPA
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R. Joglekar, EPA
E. Feltcorn, EPA
S. Zappe, NMED
P. Roush, Operating Record
L. Greene, WTS
J. Bennett, WTS
D. Standiford, WTS
M. Strum, WTS
C. Riggs, CTAC
T. Bowden, CTAC
CBFO Mailroom



RFETS CERTIFICATION PROGRAM STATUS

The CBFO Office of the National TRU Program Manager and Quality Assurance Manager have evaluated the documentation supporting the continued compliance of RFETS TRU waste programs. The recommendation to the CBFO Manager is that the authorities be continued for certification, characterization, and transportation of contact-handled, retrievably stored and newly generated homogeneous solids and debris waste. Attachments 2 and 3 provide complete lists of certified procedures and equipment. The following processes are currently approved at RFETS:

Note: Date of certification and/or deactivation is listed in parentheses for actions that have occurred since the last recertification letter (CBFO:NTPKWW:VW:01-1026:UFC:5822) dated May 24, 2001.

- Acceptable knowledge
- HSG
 - GC/MS using Summa Canisters (Deactivated 10/22/02)
 - Online headspace gas sampling and analysis (Certified 4/8/02)
- Non-destructive assay including:
 - multi-purpose crate counter; (Certified 8/29/02)
 - segmented gamma scanner; (Deactivated 7/9/02)
 - SuperHENC/SGEAS; (Certified 4/5/02)
 - tomographic gamma scanner;
 - passive-active drum counter (PADC) (Certified 4/5/02)
 - calorimetry
- Real-time radiography, including the mobile RTR unit (Certified 8/29/02) that is restricted to non-lead lined drums
- Solids sampling and analysis (Certified June 5, 2001)
- Transportation
- Visual examination (QC check on RTR)
- Visual examination technique (Certified 8/20/02)

STATUS

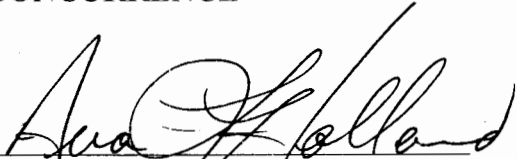
- All program elements remain complete.
- The following required site documents that demonstrate how RFETS complies with the CBFO requirements.
 - QAPjP – *Rocky Flats Environmental Technology Site TRU Waste Characterization Program Quality Assurance Project Plan, 95-QAPjP-0050, Revision 6*
 - GGTP QAPjP - *Rocky Flats Environmental Technology Site Gas Generation Testing Program Quality Assurance Project Plan, RS-020-001, Revision 2*
 - WCP – *Rocky Flats Environmental Technology Site Transuranic Waste Management Manual, 1-MAN-008-WM-001, Revision 5*
 - QAP – (Section 2.2.2 of WCP)
 - TRAMPAC and QA Plan – (Section 2.2.7 of WCP)
 - Packaging QA Plan – (Section 2.2.8 of WCP)
 - Standard operating procedures (see attachment 3 for complete procedure list)

- RFETS participation in the following performance demonstration programs (PDPs):
 - **RCRA PDP** -- Participation was satisfactory in cycle 9A for VOCs the (Memo CBFO:NTP:MRB:VW:02-2640 dated June 19, 2002) and for PCBs (Memo CBFO:NTP:MRB:VW:02-3230 dated November 4, 2002).
 - **NDA PDP SWBs** -- Participation was satisfactory in cycle B1A for SWBs (Memo CBFO:NTP:MRB:VW:01-1079 dated July 30, 2001)
 - **NDA PDP Drums** -- Participation was satisfactory in cycle 8A for the SGS, PADDC, TGS, and SuperHENC (Memo CBFO:NTP:MRB:VW:01-1781 dated November 20, 2001) and cycle 9A for the PADDC and SuperHENC (Memo CBFO:NTP:MRB:VW:02-3043 dated October 7, 2002)
 - **HSG PDP** -- Participation was satisfactory in cycle 15A (Memo CBFO:NTP:MRB:VW:01-0561 dated March 21, 2001) and 16A GC/MS and online analysis (Memo CBFO:NTP:MRB:VW:02-2236 dated April 17, 2002) and 16A GC/MS and online analysis (Memo CBFO:NTP:MRB:VW:02-3267 dated November 18, 2002)
- CBFO completed audit A-02-07 on February 4, 2002.
- EPA approved TGS, PADDC, and SuperHENC (Inspection Report RFETS-5.01-8) March 27, 2002. EPA approved mobile RTR and MPCC (Inspection Report RFETS-6.02-8) October 8, 2002.
- NMED approved Final Audit Report for A-02-07 on December 17, 2002.
- There are no open CARs associated with A-02-07.

RECOMMENDATION


The recommendation to the CBFO Manager is to continue the RFETS authority for certification, characterization and transportation for contact-handled homogeneous solids and debris waste. Attachments 2 and 3 are lists of systems and procedures that constitute the bounds of the RFETS transportation and waste certification authority.

CONCURRENCE



Ms. Ava L. Holland
CBFO Quality Assurance Manager

12/18/02
Date



Mr. Kerry W. Watson
CBFO Assistant Manager
National TRU Program

12/30/02
Date

RFETS CERTIFIED SYSTEMS

| WIPP # | Site Equipment # | Site Description | Components | Software |
|------------------------------------|------------------|---------------------------------|--|---|
| Headspace Gas | | | | |
| 5HG2 | GB-01 | Automated Headspace Gas GC/MS | Headspace Gas Sampling and Analysis Using an Automated Manifold (Procedure L-4231) | HGAS |
| 5HG4 | GB-03 | Automated Headspace Gas GC/MS | Headspace Gas Sampling and Analysis Using an Automated Manifold (Procedure L-4231) | HGAS |
| Non-destructive Assay | | | | |
| 5CC1 | 664MPCC01 | Multi-Purpose Crate Counter | Passive-active large package counter and separate gamma-ray spectrometry system. | BNFL MPCC Assay Application, SGEAS |
| 5TC2 | 371TGS02 | TGS Can Counter | Integrated tomographic gamma scan and gamma-ray spectrometry measurement. | ANTECH MasterScan, ANTECH MasterAnalysis, PC/FRAM |
| 5TC3 | 371TGS03 | TGS Can Counter | Integrated tomographic gamma scan and gamma-ray spectrometry measurement. | ANTECH MasterScan, ANTECH MasterAnalysis, PC/FRAM |
| 5TC4 | 371TGS05 | TGS Can Counter | Integrated tomographic gamma scan and gamma-ray spectrometry measurement. | ANTECH MasterScan, ANTECH MasterAnalysis, PC/FRAM |
| 5PD1 | 569PADC01 | PADC Large package counter | Passive-active drum counter and separate gamma-ray spectrometry system. | BNFL PADC/IPAN, PC/FRAM |
| 5SH1 | 440SHENC01 | SuperHENC Large package counter | High efficiency neutron counter and separate gamma-ray spectrometry system. | BNFL SuperHENC SGEAS, LANL SuperHENC/Neutron Analysis |
| 5C01 | AR02 | Calorimeter/Gamma Spectrograph | Calorimeter | ANTECH Air Bath Calorimeter Control Software |
| 5C02 | AR03 | Calorimeter | Calorimeter | ANTECH Air Bath Calorimeter Control Software |
| 5C05 | AR06 | Calorimeter | Calorimeter | ANTECH Air Bath Calorimeter Control Software |
| 5C09 | P2 | Calorimeter | Calorimeter | ANTECH Air Bath Calorimeter Control Software |
| 5C10 | P3 | Calorimeter | Calorimeter | ANTECH Air Bath Calorimeter Control Software |
| 5C11 | P4 | Calorimeter | Calorimeter | ANTECH Air Bath Calorimeter Control Software |
| 5C12 | P5 | Calorimeter | Calorimeter | ANTECH Air Bath Calorimeter Control Software |
| 5C13 | P6 | Calorimeter | Calorimeter | ANTECH Air Bath Calorimeter Control Software |
| 5C15 | P8 | Calorimeter | Calorimeter | ANTECH Air Bath Calorimeter Control Software |
| 5C16 | P9 | Calorimeter | Calorimeter | ANTECH Air Bath Calorimeter Control Software |
| 5GS1 | GPC1 | Gamma-ray Spectrometer | Gamma-ray Spectrometer | ANTECH TRIFID |
| 5GS2 | T4 | Gamma-ray Spectrometer | Gamma-ray Spectrometer | ANTECH TRIFID |
| 5GS3 | T5 | Gamma-ray Spectrometer | Gamma-ray Spectrometer | ANTECH TRIFID |
| Non-destructive Examination | | | | |
| 5RR1 | 569 RTR | Real-time radiography | Standard setup | NA |
| 5RR2 | 664 RTR | Real-time radiography | Standard setup | NA |
| 5MR1 | Mobile RTR | Real-time radiography | Standard setup | NA |

RFETS Deactivated Equipment List

| WIPP # | Site Equipment # | Site Description | Components / Software | Date Deactivated (Reason) |
|-----------------------------|---------------------------------|------------------------------|---|---------------------------------|
| Headspace Gas | | | | |
| 5HG1 | | Headspace Gas GC/MS | GC/MS (Method described in procedure L-4111) / HVOC12 | 10/22/2002 (Inactive) |
| Nondestructive Assay | | | | |
| 5NM1 | 707NM1 & 371NMCC01/371T RIFID01 | Neutron multiplicity counter | Neutron multiplicity counter operated in coincidence mode and separate gamma-ray spectrometry system. / Canberra Neutron Assay Software (NAS) TRIFID | 2/8/2002 (System shut down) |
| 5NM2 | 707NM2 & 371NMCC02/371T RIFID01 | Neutron multiplicity counter | Neutron multiplicity counter operated in coincidence mode and separate gamma-ray spectrometry system. / Canberra Neutron Assay Software (NAS) TRIFID | 3/6/2002 (System shut down) |
| NA | 707NMC01 | Neutron multiplicity counter | Neutron multiplicity counter operated in coincidence mode and separate gamma-ray spectrometry system. / Canberra Neutron Assay Software (NAS) TRIFID | 5/7/2001 (Transferred to B-371) |
| NA | 707NMC02 | Neutron multiplicity counter | Neutron multiplicity counter operated in coincidence mode and separate gamma-ray spectrometry system. // Canberra Neutron Assay Software (NAS) TRIFID | 5/1/2001 (Transferred to B-371) |
| 5SD1 | 371SGSDC01 | SGS Drum Counter, Bldg 371 | Integrated segmented gamma scan and gamma-ray spectrometry measurement. / Genie PC Gamma Waste Assay System (Genie PC/GWAS), TRIFID | 7/9/2002 (System shut down) |
| 5C03 | AR04 | Calorimeter | Calorimeter/ ANTECH Air Bath Calorimeter Control Software | 6/14/2002 (System shut down) |
| 5C04 | AR05 | Calorimeter | Calorimeter/ ANTECH Air Bath Calorimeter Control Software | 12/16/2001 (System shut down) |
| 5C06 | AR07 | Calorimeter | Calorimeter/ ANTECH Air Bath Calorimeter Control Software | 2/19/2002 (System shut down) |
| NA | AR08 | Calorimeter | Calorimeter/ ANTECH Air Bath Calorimeter Control Software | 5/23/2000 (System shut down) |
| 5C07 | AR09 | Calorimeter | Calorimeter/ ANTECH Air Bath Calorimeter Control Software | 12/20/2001 (System shut down) |
| 5C08 | P1 | Calorimeter | Calorimeter/ ANTECH Air Bath Calorimeter Control Software | 6/27/2001 (System shut down) |
| 5C14 | P7 | Calorimeter | Calorimeter / ANTECH Air Bath Calorimeter Control Software | 6/2/2002 (System shut down) |
| 5C17 | P10 | Calorimeter | Calorimeter / ANTECH Air Bath Calorimeter Control Software | 5/15/2002 (System shut down) |
| 5C18 | P11 | Calorimeter | Calorimeter / ANTECH Air Bath Calorimeter Control Software | Never used for WIPP assay. |
| 5S01 | 371SGSCS01 | SGS Can counter | Integrated segmented gamma scan and gamma isotopic measurement. / Genie PC Gamma Waste Assay System (Genie PC/GWAS), TRIFID | 7/1/2000 (System shut down) |
| 5S02 | 371SGSCS02 | SGS Can counter | Integrated segmented gamma scan and gamma isotopic measurement. / Genie PC Gamma Waste Assay System (Genie PC/GWAS), TRIFID | 1/1/2001 (System shut down) |
| 5S03 | 371SGSCS03 | SGS Can counter | Integrated segmented gamma scan and gamma isotopic measurement. / Genie PC Gamma Waste Assay System (Genie PC/GWAS), TRIFID | 1/1/2001 (System shut down) |
| 5S04 | 371SGSCS04 | SGS Can counter | Integrated segmented gamma scan and gamma isotopic measurement. / Genie PC Gamma Waste Assay System (Genie PC/GWAS), TRIFID | 1/1/2001 (System shut down) |
| 5S05 | 707SGSCS02 | SGS Can counter | Integrated segmented gamma scan and gamma isotopic measurement. / Genie PC Gamma Waste Assay System (Genie PC/GWAS), TRIFID | 12/19/2000 (System shut down) |
| 5S06 | 707SGSCS03 | SGS Can counter | Integrated segmented gamma scan and gamma isotopic measurement. / | 12/19/2000 (System shut |

| WIPP # | Site Equipment # | Site Description | Components / Software | Date Deactivated (Reason) |
|--------|--------------------------|---|--|-------------------------------|
| | | | Genie PC Gamma Waste Assay System (Genie PC/GWAS), TRIFID | down) |
| 5S07 | 707SGSCS04 | SGS Can counter | Integrated segmented gamma scan and gamma isotopic measurement. / Genie PC Gamma Waste Assay System (Genie PC/GWAS), TRIFID | 12/19/2000 (System shut down) |
| 5S08 | 707SGSCS05 | SGS Can counter | Integrated segmented gamma scan and gamma isotopic measurement. / Genie PC Gamma Waste Assay System (Genie PC/GWAS), TRIFID | 12/19/2000 (System shut down) |
| 5S09 | 707SGSCS06 | SGS Can counter | Integrated segmented gamma scan and gamma isotopic measurement. / Genie PC Gamma Waste Assay System (Genie PC/GWAS), TRIFID | 12/19/2000 (System shut down) |
| 5IQ1 | IQ3 | Canberra mobile drum counter, bldg. 664 | High Sensitivity Gamma Waste Assay System / Gamma Waste Assay Systems (GWAS) Analysis Software | 10/1/2001 (System shut down) |
| 5PN1 | PN | Canberra mobile drum counter, bldg. 664 | Passive Neutron (PN) Coincidence Counter / Canberra Neutron Assay Software (NAS) | 10/1/2001 (System shut down) |
| 5SD1 | SGS | Canberra mobile drum counter, bldg. 664 | Gamma-ray spectrometry portion of instrument utilized / Multi-Group Analysis (MGA) | 10/1/2001 (System shut down) |
| 5TC1 | 371-STGS-01 (skid) | TGS Can Counter | Integrated tomographic gamma scan and gamma-ray spectrometry measurement / LANL DAC-TGS, LANL ARC-TGS, PC/FRAM | 10/18/02 (System shut down) |
| 5TD1 | 371TGS01(DRUM) | TGS Large Package Counter | Integrated tomographic gamma scan and gamma-ray spectrometry measurement / LANL DAC-TGS, LANL ARC-TGS, PC/FRAM | 10/18/02 (System shut down) |
| 5TD2 | 569TGS04 DEACT 8/1/02 | TGS Large Package Counter | Integrated tomographic gamma scan and gamma-ray spectrometry measurement / ANTECH MasterScan, ANTECH MasterAnalysis, PC/FRAM | 8/1/02 (System shut down) |

RFETS CERTIFIED PROCEDURES

| CERTIFIED PROCEDURES | | |
|-----------------------------|----------------------------------|---|
| | PROCEDURE/DOCUMENT NUMBER | TITLE |
| 1. | 1-A65-ADM-15.01 | Control of Nonconforming Items |
| 2. | 1-A67-QAP-08.01 | Identification and Control of Items |
| 3. | 1-C20-QAP-09.01 | Control of Processes |
| 4. | 1-C80-WO-1102-W/RT | Waste/Residue Traveler Instructions |
| 5. | 1-D97-ADM-16.01 | Occurrence Reporting Process |
| 6. | 1-J55-ADM-08.10 | Subcontractor Quality Evaluations |
| 7. | 1-M12-WO-4034 | Solid Radioactive Waste Packaging Requirements Manual |
| 8. | 1-MAN-004-CSMM | Computer Software Management Manual |
| 9. | 1-MAN-008-WM-001 | Transuranic (TRU) Waste Management Manual |
| 10. | 1-MAN-039-WEM-WP-1200 | Waste and Environmental Management System (WEMS) Program Management Manual |
| 11. | 1-N92-ADM-02.03 | Training and Qualification of Assessment and Surveillance Personnel |
| 12. | 1-PRO-072-001 | Inspection and Acceptance Test Program |
| 13. | 1-PRO-079-WGI-001 | Waste Characterization, Generation and Packaging |
| 14. | 1-PRO-087-WEMS-WP-1201 | WEMS Waste Package Inventory, Tracking, and Control |
| 15. | 1-PRO-Q11-WO-1221 | Controls for Updating Waste Package Information in WEMS |
| 16. | 1-V10-ADM-15.02 | Stop Work Action |
| 17. | 1-V41-RM-001 | Records Management Manual |
| 18. | 1-V51-COEM-DES-210 | Site Engineering Process Procedure |
| 19. | 1-W37-IA-002 | Integrated Planning and Scheduling of Assessment Activities |
| 20. | 3-B52-IA-003 | Conduct of Independent Assessment Activities |
| 21. | 3-W24-MA-002 | Kaiser-Hill Management Assessment Program |
| 22. | 3-X31-CAP-001 | Corrective Action Process |
| 23. | 4-D99-WO-1100 | Solid Radioactive Waste Packaging Procedure |
| 24. | 4-F72-WEM-WP1205 | WEMS and WSRIC Software Quality Assurance Compliance |
| 25. | 4-G83-WEM-WP-1209 | WEMS Waste Package Verification and Certification |
| 26. | 4-H19-WSRIC-001 | WSRIC Characterization and Reverification |
| 27. | 4-I19-NDT-00569 | Real-Time Radiography Testing of Transuranic and Low-Level Waste in Building 569 |
| 28. | 4-K47-WEM-WP1210 | WEMS Offsite Shipping Module |
| 29. | 4-T04-TRAFFIC-204 | Waste Shipment Certification Form, RF-46416 |
| 30. | 4-T30-Traffic-515 | Preparation and Retention of Shipping Papers |
| 31. | 4-W30-NDT-00664 | Real-Time Radiography Testing of Transuranic and Low-Level Waste in Building 664 |
| 32. | 5-NDT-TC-1A | Training, Qualification, and Certification of Nondestructive Testing Personnel |
| 33. | 95-QAPJP-0050 | Rocky Flats Environmental Technology Site TRU Waste Characterization Program Quality Assurance Project Plan (QAPJP) |
| 34. | 95-WP/SAP-001 | Transuranic (TRU/TRM) Waste Sampling Plan |
| 35. | ASD-003 | Identification System for Reports and Samples |
| 36. | INS-246 | TWCP QAPD Procedures Matrix |
| 37. | L-1000 | Requirements for Laboratory L-Procedures |
| 38. | L-1006 | Maintenance Records for Analytical Instrumentation |
| 39. | L-4026 | Records Handling, Storage, and Retrieval for the WIPP Project File |
| 40. | L-4031 | Software Quality Assurance Plan |

| CERTIFIED PROCEDURES | | |
|----------------------|--|---|
| | PROCEDURE/DOCUMENT NUMBER | TITLE |
| 41. | L-4035 | Metals Data Verification and Validation Data Generation Level |
| 42. | L-4038 | WIPP Data Review and Validation for Volatile Organic Compounds |
| 43. | L-4039 | WIPP Data Review and Validation for Semi-Volatile Organic Compounds in Solid Samples |
| 44. | L-4048 | Radiological Laboratories Quality Assurance Plan |
| 45. | L-4052 | Headspace Gas Sampling and Analysis Using an Automated Manifold Qualification Plan and Test |
| 46. | L-4053 | Headspace Gas V&V (Data Generation Level) |
| 47. | L-4108 | Toxicity Characteristic Leaching Procedure (TCLP) for Metals in Waste |
| 48. | L-4150 | Total Metals Acid Digestion Procedure of Solid, Liquid, and TCLP Extract Samples |
| 49. | L-4151 | Waste Analysis by Atomic Absorption Spectroscopy |
| 50. | L-4152 | Mercury Analysis in Waste (Cold-Vapor Technique) |
| 51. | L-4153 | Trace Metals by ICP Spectrometry (Solids, Liquids, and TCLP Extracts) |
| 52. | L-4165 | GC/MS Determination of Volatile Organic Compounds (Solids, Liquids, and TCLP Extracts) |
| 53. | L-4214 | Extraction of Total SVOCS for GC/MS Analysis for WIPP |
| 54. | L-4215 | GC/MS Determination of Total SVOCS for WIPP |
| 55. | L-4217 | Metals Analysis Data Compilation and Reporting |
| 56. | L-4231 | Headspace Gas Sampling and Analysis Using an Automated Manifold |
| 57. | LA-UR-00-2955 | Determination of the Total Measurement Uncertainty for the RFETS Skid Mounted TGS and Can TGS |
| 58. | MAN-001-SDRM | Site Document Requirements Manual |
| 59. | MAN-010-MCA | Materials Control & Accountability Manual |
| 60. | MAN-062-CAUSEANALYSIS | Cause Analysis Requirements Manual |
| 61. | MAN-066-COOP | Site Conduct of Operations Manual |
| 62. | MAN-071-IWCP | Integrated Work Control Program Manual |
| 63. | MAN-092-M&TEM | Measuring and Test Equipment Management Manual |
| 64. | MAN-094-TPM | Training Program Manual |
| 65. | MAN-131-QAPM (Supercedes MAN-012-SCARM & Sections 6.2.1 & 6.2.2 supercedes 1-MAN-013-S10M, 11/1/01) | Quality Assurance Program Manual |
| 66. | MAN-134-PPM | Procurement Program Manual |
| 67. | MAN-T91-STSM-001 | Site Transportation Safety Manual |
| 68. | PLN-97-007 | TRU Waste Characterization Program Training Implementation Plan |
| 69. | PRO-077-WIPP-005 (Supersedes 1-PRO-077-WIPP-005, 12/19/01) | Management of Waste Information Prior to Transmittal to the Waste Records Center |
| 70. | PRO-108-PREP-01 | Preparation of Nondestructive Assay Performance Demonstration Program Samples |
| 71. | PRO-110-WP-1212 (formerly 1-PRO-110-WP-1212) | WIPP Waste Information System (WWIS) Data Entry |
| 72. | PRO-264-RS-0141 (Supercedes PRO-822-DR&V-371, 12/14/00) | Data Review and Verification of Residues Repack Batch Reports |
| 73. | PRO-284-POC-001 | Pipe Overpack Component Initial Assembly Process |

| CERTIFIED PROCEDURES | | |
|----------------------|---|---|
| | PROCEDURE/DOCUMENT NUMBER | TITLE |
| 74. | PRO-291-TPO/WO/5035 | TRUPACT-II Verification Leak Test, Building 664 |
| 75. | PRO-440-RS-0149 | GGTP Drum Selection and Batching |
| 76. | PRO-484-WIPP-003 | Collection, Review, and Confirmation of Acceptable Knowledge Documentation |
| 77. | PRO-486-WIPP-006 | TRU Waste Characterization Project Quality Assurance Grading |
| 78. | PRO-489-TRU-664 | TRUPACT-II Operating Instructions for Building 664 |
| 79. | PRO-543-ASD-002 | Initiation, Preparation, and Implementation of Chain-of-Custody Forms |
| 80. | PRO-544-SALTREPACK-371 | Residue Repack, Building 371 |
| 81. | PRO-548-SSOC-SQA | Software Management for Nondestructive Assay Systems |
| 82. | PRO-603-RS-0152 | Data Review and Verification of Repack Sampling Batch Reports |
| 83. | PRO-604-RC-001 | Field Sample QC Data Calculations, Review, and Validation Batch Reports |
| 84. | PRO-666-PADC569 | Operating Building 569 Passive/Active Drum Counter |
| 85. | PRO-692-RES-030-002 (formerly PRO-692-MGSS-030-002) | Non-Heated Gas Test Canister Operations |
| 86. | PRO-701-TGS-371 | Setup and Calibration for the Skid Mounted Tomographic Gamma Scanner (TGS) |
| 87. | PRO-731-MC-002 | NDA Measurement Control Program |
| 88. | PRO-767-WIPP-001 | Waste Records Center Processing |
| 89. | PRO-815-DM-01 | Developing and Maintaining Documents |
| 90. | PRO-823-REPACK-371 | Combustible Residue Repackaging |
| 91. | PRO-830-DRUM-371 | Drum Loading into Standard Waste Boxes |
| 92. | PRO-845-NDA-008 (Supercedes 3-Q22-NDA-3000) | Data Review, Verification and Validation for Nondestructive Assay (NDA) Measurement Systems |
| 93. | PRO-856-RS-0153 | Gas Generation Test Data Reduction and Reporting |
| 94. | PRO-860-RS-0156 | Repack Sampling, Building 371 |
| 95. | PRO-908-ASD-004 | On-Site Transfer and Off-Site Shipment of Samples |
| 96. | PRO-940-WIPP-010 | WIPP TRU Waste Characterization Project Level Data Review and Reporting |
| 97. | PRO-943-WIPP-007 (supercedes 1-E93-ADM-16.18, 6/7/00) | TRU Waste Characterization Program Conditions Adverse to Quality Trending and Analysis |
| 98. | PRO-944-WIPP-008 | Completion of Waste Stream Profile Form for Waste to be Disposed of at WIPP |
| 99. | PRO-945-WIPP-009 | RCRA Characterization of TRU Waste to be Disposed of at WIPP |
| 100. | PRO-957-SuperHENC | Operating the Super High Efficiency Neutron Coincidence (SuperHENC) Counter Mobile Assay System |
| 101. | PRO-962-MGSS-001 | Mobile Gas Generation Testing Sampling System (MGSS) Sampling Operations |
| 102. | PRO-963-MGSS-002 | Mobile Gas Generation Testing Sampling System Data Calculation |
| 103. | PRO-985-SURV | Performance of Surveillances |
| 104. | PRO-1003-WSRIC-ADMIN (supercedes 4-D15-BBPE-001, 10/18/01) | WSRIC Administration Guidance |
| 105. | PRO-1018-SWB-371 | Standard Waste Box Drum Selection and Grouping |
| 106. | PRO-1031-WIPP-1112 | TRU/TRM Waste Visual Verification (V^2) and Data Review |
| 107. | PRO-1034-PEQA (Supercedes PRO-PQR-001, 5/21/01) | Procurement Engineering and Quality Assurance |
| 108. | PRO-1037-WEMS-97-107 | Waste and Environmental Management System (WEMS) System Administration Guidance |
| 109. | PRO-1038-WEMS-97-108 | WEMS and WSRIC Software Validation Specifications (SVS) Development |

| CERTIFIED PROCEDURES | | |
|-----------------------------|--|--|
| | PROCEDURE/DOCUMENT NUMBER | TITLE |
| 110. | PRO-1045-WI-001 (supercedes 4-M63-WI-4013, 8/30/00) | Solid Radioactive Waste Inspection |
| 111. | PRO-1072-NDA-MSQ | Matrix-Specific Qualification for NDA Can Counters |
| 112. | PRO-1092-FRAM-569 | Operating Building 569 FRAM Gamma Spectroscopy System |
| 113. | PRO-1132-WIPP-012 | Preparation of Interface Document for Vendor Owned or Operated Systems |
| 114. | PRO-1140-NDA | NDA Trouble Report Processing |
| 115. | PRO-1205-MLA-008 (Supercedes DCI SOP NO. MLA 008, 12/18/00) | Metrology Control of Measuring and Test |
| 116. | PRO-1290-TRIFID-371 (Supercedes L-4050, 6/21/01) | TRIFID Gamma-Ray Isotopic Analysis System |
| 117. | PRO-1297-CLC&RPT-371 (Supercedes L-3007, 8/10/01) | Calorimetry/Gamma-Ray Assay Calculation and Reporting of Results |
| 118. | PRO-1298-ISOAN-371 (Supercedes L-4193, 11/20/01) | Gamma-Ray Isotopic Analysis of Plutonium-Bearing Solids in Building 371 Cal/Gamma Laboratory |
| 119. | PRO-1299-AIRBATH-371 (Supercedes L-4209 12/10/01) | Calorimetry Using the ANTECH Airbath System in Building 371 Cal/Gamma Laboratory |
| 120. | PRO-1302-WIPPDATA-371 (Supercedes L-4034, 11/30/01) | Data Review and Validation for Calorimetric Assay for WIPP-TRU Waste Characterization Program in Building 371 Cal/Gamma Laboratory |
| 121. | PRO-1326-Commodities | Requisitioning Commodities |
| 122. | PRO-1327-Services | Requisitioning Services |
| 123. | PRO-1329-DM-03 | Site Document Control |
| 124. | PRO-1351-440-SWB (Supercedes the headspace gas sampling function that was in PRO-984-440-HSGS, 10/22/01) | Room 113 Perma-Con Operations |
| 125. | PRO-1386-TGS-371 (Supercedes PRO-864-TGS- 371, 2/12/02) | Setup and Calibration of Building 371 Can Tomographic Gamma Scanner (TGS) |
| 126. | PRO-1392-TGS-371 | Operating B371 Tomographic Gamma Scanning (TGS) Can Counters |
| 127. | PRO-1393-LN2-371 | Filling, Transfer and Detector Head Dewars in Building 371 |
| 128. | PRO-1400-NDA | NDA Evaluation of Item Description Codes |
| 129. | PRO-1405-PREP-02 | Preparation of Boxed Waste Performance Demonstration Program (PDP) Samples for Nondestructive Assay |
| 130. | PRO-1411-WO-Waste | Waste Receiving, Transfer and Handling |
| 131. | PRO-1418-WO-TRUOP | TRUPACT-II Operations |
| 132. | PRO-1419-WO-LKTST | TRUPACT-II Shipping Leak Test |
| 133. | PRO-1433-MPCC-664 | Operating the Multi-Purpose Crate Counter (MPCC) at Building 664 |
| 134. | PRO-1471-VE-771 | Visual Examination for Confirmation of RTR |
| 135. | PRO-1520-Mobile-RTR | Mobile Real-Time Radiography Testing of Transuranic and Low-Level Waste |
| 136. | PRO-1541-SLLP (Supercedes 1-MAN-017-LLGI- RM, 12/31/01) | Site Lessons Learned Process |
| 137. | PRO-1566-NDA-STD (Supercedes PRO-697-MLC- 00013, 2/28/02) | Maintenance of NDA Standards |

| CERTIFIED PROCEDURES | | |
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| | PROCEDURE/DOCUMENT NUMBER | TITLE |
| 138. | PRO-1570-NDA-QUAL | Qualification Requirements for NDA Large Package Counters |
| 139. | PRO-J23-FO-0133 | Drum and Box Repack |
| 140. | PRO-J44-RC&I-6600 (Supercedes 4-J44-RC&I-6600, 4/30/01) | Procured Item Acceptance & Certification |
| 141. | PRO-N01-RES-030-001 | Heated Gas Test Canister Operations |
| 142. | PRO-T13-Traffic-306 (Supercedes 1-T13-Traffic-306, 5/13/02) | Labeling and Marking TRUPACT Packages |
| 143. | PRO-T20-Traffic-505 (Supercedes 4-T20-Traffic-505, 5/17/02) | Certifying Authorized Payloads for TRUPACT-II |
| 144. | PRO-T43-Traffic-528 (Supercedes 4-T43-TRAFFIC- 528, 5/17/02) | TRUPACT-II Operations Flow |
| 145. | PRO-T95-OSTP-002 | Off-Site Transportation Procedure |
| 146. | PRO-U76-WC-4030 | Control of Waste Nonconformances |
| 147. | PRO-W90-FO-0103 | Balances |
| 148. | PRO-X05-WC-4018 | Transuranic (TRU) Waste Certification |
| 149. | RF/RMRS-97-018 | RFETS TRU Waste Acceptable Knowledge Supplemental Information |
| 150. | RF/RMRS-97-108 | WEMS Software Validation Specification Development |
| 151. | RMRS-WIPP-98-100 | Acceptable Knowledge TRU/TRM Waste Stream Summaries |
| 152. | RS-012-004 | Grid Method – Repack Solid Sampling & Analysis Plan |
| 153. | RS-012-005 | Cone & Quartering Method – Repack Solid Sampling and Analysis Plan |
| 154. | RS-020-001 | Gas Generation Testing Quality Assurance Project Plan |
| 155. | RS-020-012 | Ash Residue Repack, Process Control Plan |
| 156. | RS-020-013 | Dry Residue Repackaging Process Control Plan |
| 157. | RS-020-018 | Combustible Residue Repackaging Process Control Plan |
| 158. | RS-020-021 | Salt Residue Repack, Buildings 371 and 707 Process Control Plan |

RFETS Qualification and Calibration Reports & Plans

| Qualification and Calibration Reports & Plans | | |
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| | Qualification & Calibration Reports | TITLE |
| 1. | 00-NDA-TGS-002 | Qualification Plan for the 371TGS02 Tomographic Gamma Scanner (TGS) Building 371 |
| 2. | 00-NDA-TGS-004 | Qualification Plan for the 371TGS05 Tomographic Gamma Scanner (TGS) Building 371 |
| 3. | 371-STGS-01 (IDC 411R) | Building 371 Skid TGS Can Counter (ID 371-STGS-01) Calibration and Qualification Report |
| 4. | BII-8215-C&VP-001 | RFETS 569 Passive/Active Drum Counter Calibration and Validation Plan, Instrument Control Number 569PADC001, dated 8/26/99 |
| 5. | CALG-QP-00005 | Calorimetric Qualification Plan |
| 6. | KH-NDA2001-CAL-371TGS02 | Calibration and Qualification Report for the ANTECH Tomographic Gamma Scanning (TGS) Can Counter 371TGS02 After Installation of ANTECH MasterScan and MasterAnalysis Software, dated 10/17/01 |
| 7. | KH-NDA2001-CAL-371TGS05 | Calibration and Qualification Report for the ANTECH Tomographic Gamma Scanning (TGS) Can Counter 371TGS05, dated 10/11/01 |
| 8. | KH-NDA2001-RECAL-371TGS03 | Calibration and Qualification Report for the Conversion of the ANTECH TGS Can Counter 371TGS03 from DAC.TGS Data Acquisition to MasterScan Data Collection Software, dated 8/13/01 |
| 9. | KH-NDA2002-LLD | Determination of the Lower Limit of Detection (LLD) for WIPP Tracked Radionuclides on the WIPP Qualified NDA Systems used at the Rocky Flats Environmental Technology Site. |
| 10. | KH-NDA2002-QUAL-440SHENC001(DRUM) | Supplemental Qualification Report for the Radioassay of Waste Packaged in 55-Gallon Drums Using the Super High Efficiency Neutron Counter (SuperHENC) 440SHENC001, dated 3/8/02 |
| 11. | KH-NDA2002-QUAL-569PADC01 | Revised WIPP-Related Calibration and Qualification Report for Extension of the Qualified Plutonium Mass and Matrix Ranges for the Building 569 Passive-Active Neutron Drum Counter, 569PADC01, dated 1/24/02 |
| 12. | KH-NDA2002-QUALR-664MPCC01 | Calibration and Qualification Report for the Multi-Purpose Crate Counter (MPCC) Imaging Passive-Active Neutron and Gamma Energy Analysis (IPAN/GEA) System, Instrument Control Number 664MPCC01, dated 5/29/02 |
| 13. | MGSSQP-LATA-001 | Mobile Gas Generation Testing Sampling System Qualification Plan |
| 14. | MGSSQR-LATA-001 | Mobile Gas Generation Testing Sampling System Qualification Report |
| 15. | MGSSTP-LATA-001 | Mobile Gas Generation Testing Sampling System (MGSS) Test Plan |
| 16. | NDA2000-QUAL-371TGS01(DRUM) | Qualification Report for the Determination of Plutonium-239 Combustible Waste Packaged in 55-Gallon Drums Using the Reconfigured Skid-Mounted TGS Drum Counter 371TGS01(DRUM), dated 9/6/00 |
| 17. | Unnumbered | Calibration and Qualification Report Package for the SuperHENC Mobile Assay Trailer Instrument Identification Number: 440SHENC01, prepared January 22, 2001 |
| 18. | Unnumbered | Qualification Plan for Building 664 Multipurpose Crate Counter (MPCC) Instrument Identification Number: 664MPCC01, approved 4/5/02 |
| 19. | Unnumbered | Super High Efficiency Neutron Counter Calibration and Validation Plan, Instrument Control Number 984SHENC01, dated 10/16/99. |

| Deactivated Procedures and Qualification/Calibration Plans and Reports | | | |
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| | Procedure Number | Title | Reason for Action |
| 1. | 00-NDA-NMC-100 | Qualification Plan for the Neutron Multiplicity Counter (NMC) Instruments and TRIFID Gamma-Ray Isotopics Systems | Deactivated – last counter shut down 3/6/02 |
| 2. | 00-NDA-TGS-001 | Qualification Plan for the Skid Mounted Tomographic Gamma Scanner (TGS) | Deactivated 10/18/02 – Equipment shut down |
| 3. | 00-NDA-TGS-003 | Qualification Plan for the 569TGS04 Tomographic Gamma Scanner (TGS) | Deactivated 10/18/02 – Equipment shut down |
| 4. | 3-MAN-006-NDA-1000 | NDA Calibration and Validation Program Manual | Deactivated 9/19/01 and applicable information incorporated into the qualification plans. |
| 5. | 4-H80-776-ASRF-007 | Visual Examination for Confirmation of RTR | Deactivated 11/6/01 – Equipment shut down |
| 6. | 4-W84-RS-0114 | Salt Residue Stabilization/Repack, Bldg. 707 | Deactivated 3/9/01 – Project complete |
| 7. | 99-NDA-SGS-100 | Qualification Plan for the Canberra Segmented Gamma Scan (SGS) Can Counter Instruments | Deactivated – last counter shut down 1/1/01 |
| 8. | KH-NDA2001-QUAL-569TGS04 | Calibration and Qualification Report for the Determination of Plutonium-239 Combustible Waste Packaged in 55-Gallon Drums Using the ANTECH TGS Drum Counter 569TGS04, dated 5/17/01 | Deactivated - counter shutdown 8/1/02 |
| 9. | | | |
| 10. | L-2421 | Precision Gas Mass Spectrometry Operations and Analysis (VG-30-38) | Deactivated 10/22/02 – No longer doing HSG sampling with Summa canisters. |
| 11. | L-4006 | Chain-of-Custody and Sample Administration for Headspace Sample Canisters | Deactivated 10/22/02 – No longer doing HSG sampling with Summa canisters. |
| 12. | L-4111 | GC/MS Determination of Volatile Organics Waste Characterization | Deactivated 10/22/02 – No longer doing HSG sampling with Summa canisters. |
| 13. | L-4028 | Sample Administration for the Radiological Laboratories | Deactivated 10/18/02 – No longer doing HSG sampling with Summa canisters. |
| 14. | L-4138 | Summa Passivated Stainless Steel Canister Cleaning and Certification | Deactivated 10/22/02 – No longer doing HSG sampling with Summa canisters. |
| 15. | L-4146 | Headspace Gas Sampling of Waste Containers | Deactivated 10/22/02 – No longer doing HSG sampling with Summa canisters. |
| 16. | L-4148 | Preparation of Samples and Calibration Standards for Determination of Gases in Sample Canisters | Deactivated 10/22/02 – No longer doing HSG sampling with Summa canisters. |
| 17. | L-5016 | Radiological Laboratories Data Review and Validation of Inorganic Gas Analysis for WIPP-TRU Waste Characterization Program (TWCP) - Data Generation Level | Deactivated 10/22/02 – No longer doing HSG sampling with Summa canisters. |
| 18. | L-5017 | HVOC Data Review and Validation (Data Generation Level) | Deactivated 10/22/02 – No longer doing HSG sampling with Summa canisters. |
| 19. | LATA-MGSSID-001 | LATA Program Interface Document for the Mobile Gas Generation Sampling System for Use at the Rocky Flats Environmental Technology Site (RFETS) | Deactivated 9/30/02 |
| 20. | | | |
| 21. | PRO-174-WO-5227 | Operating Building 371 SGS Drum Counter | Deactivated - counter shut down 7/9/02 |
| 22. | PRO-236-SGS-001 | Operating the Canberra Segmented Gamma Scanner (SGS) Can Counter | Deactivated – last counter shut down 1/1/01 |
| 23. | PRO-404-RS-0145 | Data Review and Verification, Ash Residue Repack Batch Reports | Deactivated 5/21/02 |
| 24. | PRO-428-RS-0146 | Data Review and Validation, Ash Residue Repack | Deactivated 1/31/02 |

| Deactivated Procedures and Qualification/Calibration Plans and Reports | | | |
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| | Procedure Number | Title | Reason for Action |
| | | Sample Batch Reports | |
| 25. | PRO-687-TGS-371 | Operating the Skid Mounted Tomographic Gamma Scanner (TGS) | Deactivated 10/18/02 |
| 26. | PRO-728-NDA-001 | Operating the Neutron Multiplicity Counters and TRIFID Gamma-Ray Isotopics Systems | Deactivated – last counter shut down 3/6/02 |
| 27. | PRO-933-NMC-002 | Neutron Multiplicity Counter and TRIFID Systems Setup and Calibration | Deactivated – last counter shut down 3/6/02 |
| 28. | PRO-1006-TGS-569-01 | Setup and Calibration of Building 569 Drum Tomographic Gamma Scanner (TGS) | Deactivated 8/1/02 – Counter shut down. |
| 29. | PRO-1007-TGS-569-02 (DEACT 8/1/02) | Operating Building 569 Drum Tomographic Gamma Scanner (TGS) | Deactivated 8/1/02 – Counter shut down. |
| 30. | PRO-1141-WP-4701 | Waste Characterization Gas Sampling | Deactivated 10/22/02 – No longer doing HSG sampling with Summa canisters. |
| 31. | PRO-X28-RS-0116 | Combustible Residue Repackaging Room 3701, GB-1509 | Deactivated 2/20/00 |
| 32. | PRO-X32-RS-0128 | Dry Residue Repackaging, Building 707 | Deactivated 10/23/01 – Bldg 707 operation complete |
| 33. | PRO-X56-RS-0123 | Ash Residue Repack, Building 707 | Deactivated 5/21/02 – Bldg 707 operation complete |
| 34. | RS-020-006 | Salt Residue Stabilization, Building 707 Process Control/Qualification Plan | Deactivated 5/18/01 – Bldg 707 operation complete |
| 35. | RS-020-017 | Salt Residue Stabilization, Building 707 Qualification Report | Deactivated 5/21/02 – Bldg 707 operation complete |
| 36. | SQM-007 | IQ3 Waste Assay Trailer Operating Procedure - Operating and Calibrating the Canberra IQ3 Gamma Scanner | Deactivated - counter shut down 10/1/01 |
| 37. | SQM-008 | Operating & Calibrating the Canberra Passive Neutron Counter | Deactivated - counter shut down 10/1/01 |
| 38. | SQM-009 | Operating & Calibrating the Canberra Segmented Gamma Scanner | Deactivated – last counter shut down 10/1/01 |
| 39. | SQM-010 | Review, Validation, & Reporting Nondestructive Assay (NDA) Data & Results | Deactivated – last counter shut down 10/1/01 |
| 40. | SQM-011 | Canberra Nuclear NDA Implementation Plan for RFETS Transuranic Waste Characterization Program | Deactivated – last counter shut down 10/1/01 |
| 41. | SQM-016 | Overview of Canberra Mobile NDA Services RFETS Project | Deactivated – last counter shut down 10/1/01 |
| 42. | SQM-120 | Mobile Software Configuration Management | Deactivated – last counter shut down 10/1/01 |
| 43. | SQM-121 | Mobile Software Configuration Verification | Deactivated – last counter shut down 10/1/01 |
| 44. | SQM-130 | RFETS Transuranic Waste Expert Review | Deactivated – last counter shut down 10/1/01 |

| Superseded Procedures | | | |
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| | Number | Title | New Procedure Number |
| 1. | 1-E93-ADM-16.18 | Data Analysis and Trending for Performance Improvement | Superseded by PRO-943-WIPP-007 (6/7/00) |
| 2. | 1-MAN-013-S10M | Site Integrated Oversight Manual | Superseded by MAN-131-QAPM, section 6.2.1 and 6.2.2 (11/1/01) |
| 3. | 1-MAN-017-LLGI-RM | Site Lessons Learned/Generic Implications Requirements Manual | Superseded by PRO-1541-SLLP (12/31/01) |
| 4. | 1-PRO-077-WIPP-005 | Management of Waste Information Prior to Transmittal to the Waste Records Center | Superseded by PRO-077-WIPP-005 (12/19/01) |
| 5. | 1-T13-Traffic-306 | Labeling and Marking TRUPACT Containers | Superseded by PRO-T13-Traffic-306 (5/17/02) |
| 6. | 3-Q22-NDA-3000 | Review of Non-TWCP Nondestructive Assay Sheets | Superseded by PRO-845-NDA-008 (7/25/01) |
| 7. | 4-D15-BBPE-001 | WSRIC Building Book Preparation and Editing | Superseded by PRO-1003-WSRIC-ADMIN (10/18/01) |
| 8. | 4-J44-RC&I-6600 | Procured Item Acceptance & Certification | Superseded by PRO-J44-RC&I-6600 (4/30/01) |
| 9. | 4-M63-WI-4013 | Final and Loading Inspections for Packages | Superseded by PRO-1045-WI-001 (8/30/00) |
| 10. | 4-T20-Traffic-505 | Certifying Authorized Payloads for TRUPACT-II | Superseded by PRO-T20-Traffic-505 (5/17/02) |
| 11. | 4-T43-TRAFFIC-528 | TRUPACT-II Operations Flow. | Superseded by PRO-T43-Traffic-528, (5/17/02) |
| 12. | DCI SOP NO. MLA 008 | Metrology Control of Measuring and Test Equipment | Superseded by PRO-1205-MLA-008 (12/18/00) |
| 13. | L-3007 | Calorimetry/Gamma Ray Assay Calculation and Reporting of Results | Superseded by PRO-1297-CLC(RPT-371 (8/10/01) |
| 14. | L-4034 | Data Review and Validation for Calorimetric Assay for WIPP TRU Waste Characterization Program | Superseded by PRO-1302-WIPPDATA-371 (11/30/01) |
| 15. | L-4050 | TRIFID Gamma-Ray Isotopic Analysis System Qualification | Superseded by PRO-1290-TRIFID-371 (6/21/01) |
| 16. | L-4193 | Gamma-Ray Isotopic analysis of Pu-bearing Solids in the Building 707 Cal/Gamma Laboratory | Superseded by PRO-1298-ISOAN-371 (11/20/01) |
| 17. | L-4209 | Calorimeter Procedure Using the Antech Airbath System in the Building 707 Cal/Gamma Laboratory | Superseded by PRO-1299-AIRBATH-371 (12/10/01) |
| 18. | MAN-012-SCARM | Site Corrective Action Requirements | Superseded by MAN-131-QAPM (11/1/01) |
| 19. | PRO-572-PQR-001 | Procurement Quality Assurance Requirements | Superseded by PRO-1034-PEQA, appendix 5 (5/21/01) |
| 20. | PRO-692-MGSS-030-002 | Non-Heated Gas Test Canister Operations | Superseded by PRO-692-RES-030-002 (7/28/00) |
| 21. | PRO-697-MLC-00013 | Preparation and Certification of NDA Standards and Sources | Superseded by PRO-1566-NDA-STD (2/28/02) |
| 22. | PRO-822-DR&V-371, | Data Review and Verification of Wet Combustible Residue Batch Reports | Superseded by PRO-264-RS-0141 (12/14/00) |
| 23. | PRO-864-TGS-371 | Setup and Calibration for the Can Counter Tomographic Gamma Scanner (TGS) | Superseded by PRO-1386-TGS-371 (2/12/02) |
| 24. | PRO-984-440-HSGS | C-Cell Operations | Superseded by PRO-1351-440-SWB, effective 10/22/01 (covers headspace gas) & PRO-1358-440-VERP, effective 6/17/02, (covers the C-Cell operations) |

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| | | | - Not yet certified (A-03-04) |
| 25. | PRO-1357-440-HSGS-FAC | Facility Headspace Gas Sampling | Superceded by PRO-984-440-HSGS (8/31/00) |