

United States Government

Department of Energy

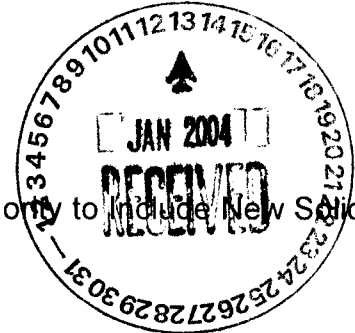
memorandum

 Carlsbad Field Office
 Carlsbad, New Mexico 88221

DATE: 30 DEC 2003

REPLY TO
ATTN OF: CBFO:NTP:KWW:VW:03-3560:UFC:5822SUBJECT: Expansion of RFETS' TRU Waste Program Certification Authority to Include New Solids
Sampling Processes and New NDA Systems

TO: Frazer R. Lockhart, DOE-RFFO Manager



The Carlsbad Field Office (CBFO) completed the evaluation of the Rocky Flats Environmental Technology Site's (RFETS) TRU Waste Program for two new solids sampling processes (small container and polymerized organic and inorganic waste sampling). In addition, two nondestructive assay systems, Building 664 Tomographic Gamma Scanner (TGS) and Building 440 Fixed Energy Response Function Analysis with Multiple Efficiencies Gamma Spectroscopy (FRAM) were evaluated. Audit A-03-22 was conducted July 22-24, 2003 to evaluate the technical and quality assurance programs for 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 pertaining to the two new sampling processes and NDA systems. The audit team determined that the new processes and systems were effectively implemented.

Based on the results of A-03-22 the CBFO therefore expands the RFETS authority for certification, characterization, and transportation of contact handled, retrievably stored and newly generated homogeneous solids and debris waste to include the use of Building 664 TGS and Building 440 FRAM, as well as the small container and polymerized organic and inorganic waste sampling processes. 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, procedures, or systems must be evaluated by the CBFO prior to their implementation.

Inés Triay
 Dr. Inés R. Triay
 Manager

Attachments

031230



Frazer R. Lockhart

-2-

30 DEC 2003

cc: w/attachments

L. Smith, DOE-HQ *ED
K. Watson, CBFO *ED
R. Knerr, CBFO *ED
A. Holland, CBFO *ED
D. Miehs, CBFO *ED
J. Schneider, RFFO *ED
L. Xuan, RFFO *ED
G. O'Leary, RFETS *ED
B. Walker, EEG *ED
F. Marcinowski, EPA *ED
R. Joglekar, EPA *ED
E. Feltcorn, EPA *ED
S. Zappe, NMED *ED
K. Jackson, WTS *ED
D. Standiford, WTS *ED
M. Strum, WTS *ED
L. Greene, WRES
C. Riggs, CTAC
CTAC Document Coordinator
WIPP Operating Record
CBFO M&RC

*ED denotes Electronic Distribution

RFETS CERTIFICATION PROGRAM STATUS

The CBFO Office of the National TRU Program Manager and Quality Assurance Manager have evaluated the documentation supporting the results of Audit A-03-22 and recommends to the CBFO Manager that the RFETS authority for certification, characterization, and transportation of contact handled, retrievably stored and newly generated homogenous solids and debris waste be expanded to include the use of Building 664 TGS and Building 440 FRAM as well as the small container and polymerized organic and inorganic waste sampling processes. Attachments 2 and 3 provide complete lists of currently certified procedures and equipment.

The following processes are currently approved at RFETS for homogeneous solids and debris waste:

- Acceptable knowledge
- Gas generation
- HSG
 - Online headspace gas sampling and analysis
- Non-destructive assay, including:
 - Multi-purpose crate counter;
 - SuperHENC/SGEAS;
 - TGS;
 - FRAM;
 - Passive-active drum counter (PADC);
 - Calorimetry
- Real-time radiography (RTR), including the mobile RTR unit for use on lead-lined drums
- Solids sampling and analysis
- Transportation
- Visual examination (QC check on RTR)
- Visual examination technique

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, Version 8*
 - GGTP QAPjP - *Rocky Flats Environmental Technology Site Gas Generation Testing Program Quality Assurance Project Plan, RS-020-001, Version 5*
 - WCP – *Rocky Flats Environmental Technology Site Transuranic Waste Management Manual, 1-MAN-008-WM-001, Revision 6, DCF-01*
 - 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):
 - **HSG PDP** – Participation was satisfactory in Cycle 17A for three online headspace gas analysis systems (GB-01, GB-02, and GB-03) – Memo CBFO:NTP:MRB:VW:03-1680 dated April 14, 2003.
 - **NDA PDP Drums** -- Participation was satisfactory in Cycle 9E for the 440 FRAM for sludge matrix, and the TGS04 for combustibles and glass matrices (Memo CBFO:NTP:MRB:VW:03-2607:UFC:5822 dated July 21, 2003). Participation was satisfactory in Cycle 10A for the Building 440 PAN, SuperHENC (Memo CBFO:NTP:MRB:VW:03-3089) dated September 16, 2003. Participation was satisfactory in Cycle 10A for the 440PAN and SuperHENC (Memo CBFO:NTP:MRB:VW:03-3316 dated October 21, 2003).
 - **NDA PDP SWBs** -- Participation was satisfactory in cycle B3A for SWBs for the MPCC and SuperHENC (Memo CBFO:NTP:MRB:VW:03-2297 dated June 26, 2003)
 - **RCRA PDP** -- Participation was satisfactory for all analysis in cycle 10A (Memo CBFO:NTP:MRB:VW:03-2258 dated June 17, 2003)

CBFO completed Audit A-03-22 on July 24, 2003 and issued the interim audit report on August 8, 2003. The Final Audit Report was issued to NMED on August 20, 2003. The audit team determined that the RFETS TRU waste program is in compliance with the CBFO requirements and the new processes are implemented effectively.

NMED approved the Final Audit Report for A-03-22 on December 23, 2003.

- EPA issued their inspection report on November 21, 2003 that formally approved the use of the two NDA systems.
- There were no CARs issued as a result of Audit A-03-22.

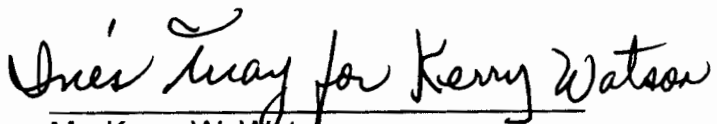
RECOMMENDATION

The recommendation to the CBFO Manager is to expand the RFETS authority to include two new solids sampling processes (polymerized organic and inorganic waste sampling and small container waste sampling) and the use of the Building 664 TGS and the Building 440 FRAM for characterization of 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

12/29/03
Date


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

12/29/03
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 PRO-1676-HGAS-S&A – formerly L-4231)	HGAS
5HG4	GB-03	Automated Headspace Gas GC/MS	Headspace Gas Sampling and Analysis Using an Automated Manifold (Procedure PRO-1676-HGAS-S&A – formerly L-4231)	HGAS
5HG5	GB-02	Automated Headspace Gas GC/MS	Headspace Gas Sampling and Analysis Using an Automated Manifold (Procedure PRO-1676-HGAS-S&A – formerly 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
5FR1	440FRAM01	FRAM	Gamma Spectroscopy System	ANTECH MasterScan, ANTECH Master Analysis, PC/FRAM and ORTEC Maestro Analysis System
5PD2	440 PADC01 (Moved from Bldg. 569 to Bldg. 440 - formerly 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
5TD3	664TGS04	TGS Drum Counter	Integrated tomographic gamma scan and gamma-ray spectrometry measurement.	ANTECH MasterScan, ANTECH Master Analysis, PC/FRAM
Non-destructive Examination				
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	371NMCC01/371TRIFID01	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	371NMCC02/371TRIFID01	Neutron multiplicity counter	Neutron multiplicity counter operated in coincidence mode and separate gamma-ray spectrometry system. / Canberra Neutron Assay Software	3/6/2002 (System shut down)

WIPP #	Site Equipment #	Site Description	Components / Software	Date Deactivated (Reason)
			(NAS) TRIFID	
5PD1	569PADC01	PADC Large package counter	Passive-active drum counter and separate gamma-ray spectrometry system.	BNFL PADC/IPAN, PC/FRAM (Moved from Bldg. 569 to Bldg. 440 –Deactivated in Bldg. 569 on 3/9/03)
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)
5C01	AR02	Calorimeter	Calorimeter	7/21/03 (System shut down)
5C02	AR03	Calorimeter	Calorimeter / ANTECH Air Bath Calorimeter Control Software	8/20/03 (System shut down)
5C03	AR04	Calorimeter	Calorimeter / ANTECH Air Bath Calorimeter Control Software	6/14/2002 (Non WIPP)
5C04	AR05	Calorimeter	Calorimeter / ANTECH Air Bath Calorimeter Control Software	12/16/2001 (System shut down)
5C05	AR06	Calorimeter	Calorimeter / ANTECH Air Bath Calorimeter Control Software	8/20/03 (System shut down)
5C06	AR07	Calorimeter	Calorimeter / ANTECH Air Bath Calorimeter Control Software	11/12/03 (System shut down)
NA	AR08	Calorimeter	Calorimeter / ANTECH Air Bath Calorimeter Control Software	5/23/2000 (Non WIPP)
5C07	AR09	Calorimeter	Calorimeter / ANTECH Air Bath Calorimeter Control Software	12/20/2001 (Non WIPP)
5C08	P1	Calorimeter	Calorimeter / ANTECH Air Bath Calorimeter Control Software	6/21/2001 (System shut down)
5C09	P2	Calorimeter	Calorimeter / ANTECH Air Bath Calorimeter Control Software	10/2/03 (System shut down)
5C10	P3	Calorimeter	Calorimeter / ANTECH Air Bath Calorimeter Control Software	11/12/03 (System shut down)
5C11	P4	Calorimeter	Calorimeter / ANTECH Air Bath Calorimeter Control Software	8/20/03 (System shut down)
5C12	P5	Calorimeter	Calorimeter / ANTECH Air Bath Calorimeter Control Software	8/20/03 (System shut down)
5C13	P6	Calorimeter	Calorimeter / ANTECH Air Bath Calorimeter Control Software	10/2/03 (System shut down)
5C14	P7	Calorimeter	Calorimeter / ANTECH Air Bath Calorimeter Control Software	6/2/2002 (System shut down)
5C15	P8	Calorimeter	Calorimeter / ANTECH Air Bath Calorimeter Control Software	8/20/03 (System shut down)
5C16	P9	Calorimeter	Calorimeter / ANTECH Air Bath Calorimeter Control Software	7/31/03 (System shut down)
5C17	P10	Calorimeter	Calorimeter / ANTECH Air Bath Calorimeter Control Software	7/16/03 (System shut down)
5C18	P11	Calorimeter	Calorimeter / ANTECH Air Bath Calorimeter Control Software	Never used.

WIPP #	Site Equipment #	Site Description	Components / Software	Date Deactivated (Reason)
5GS1	GPC1	Gamma-ray Spectrometer	Gamma-ray Spectrometer / ANTECH TRIFID	8/20/03 (System shut down)
5GS2	T4	Gamma-ray Spectrometer	Gamma-ray Spectrometer / ANTECH TRIFID	9/29/03 (System shut down)
5GS3	T5	Gamma-ray Spectrometer	Gamma-ray Spectrometer / ANTECH TRIFID	11/12/03 (System shut down)
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. / Genie PC Gamma Waste Assay System (Genie PC/GWAS), TRIFID	12/19/2000 (System shut 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)
5TC2	371TGS02	TGS Can Counter	Integrated tomographic gamma scan and gamma-ray spectrometry measurement.	7/15/03 (System shut down)
5TC3	371TGS03	TGS Can Counter	Integrated tomographic gamma scan and gamma-ray spectrometry measurement.	7/15/03 (System shut down)
5TC4	371TGS05	TGS Can Counter	Integrated tomographic gamma scan and gamma-ray spectrometry measurement.	7/15/03 (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)
Non-destructive Examination				
5RR1	569 RTR	Real-time radiography	Standard Setup	4/3/03 (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-WRT	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-110-WP-1212	WIPP Waste Information System (WWIS) Data Entry
16.	1-PRO-Q11-WO-1221	Controls for Updating Waste Package Information in WEMS
17.	1-V10-ADM-15.02	Stop Work Action
18.	1-V41-RM-001	Records Management Manual
19.	1-V51-COEM-DES-210	Site Engineering Process Procedure
20.	1-W37-IA-002	Integrated Planning and Scheduling of Assessment Activities
21.	3-B52-IA-003	Conduct of Independent Assessment Activities
22.	3-W24-MA-002	Kaiser-Hill Management Assessment Program
23.	3-X31-CAP-001	Corrective Action Process
24.	4-D99-WO-1100	Solid Radioactive Waste Packaging Procedure
25.	4-F72-WEM-WP1205	WEMS and WSRIC Software Quality Assurance Compliance
26.	4-G83-WEM-WP-1209	WEMS Waste Package Verification and Certification
27.	4-H19-WSRIC-001	WSRIC Characterization and Reverification
28.	4-K47-WEM-WP1210	WEMS Offsite Shipping Module
29.		
30.	4-W30-NDT-00664	Real-Time Radiography Testing of Transuranic and Low-Level Waste in Building 664
31.	5-NDT-TC-1A	Training, Qualification, and Certification of Nondestructive Testing Personnel
32.	95-QAPjP-0050	Rocky Flats Environmental Technology Site TRU Waste Characterization Program Quality Assurance Project Plan (QAPjP)
33.	95-WP/SAP-001	Transuranic (TRU/TRM) Waste Sampling Plan
34.	ASD-003	Identification System for Reports and Samples
35.	L-1000	Requirements for Laboratory L-Procedures
36.	L-1006	Maintenance Records for Analytical Instrumentation
37.	L-4026	Records Handling, Storage, and Retrieval for the WIPP Project File
38.	L-4028	Sample Administration for the Radiological Laboratories
39.	L-4031	Software Quality Assurance
40.	L-4035	Metals Data Verification and Validation Data Generation Level
41.	L-4038	WIPP Data Review and Validation for Volatile Organic Compounds

CERTIFIED PROCEDURES		
	PROCEDURE/DOCUMENT NUMBER	TITLE
42.	L-4039	WIPP Data Review and Validation for Semi-Volatile Organic Compounds in Solid Samples
43.	L-4048	Radiological Laboratories Quality Assurance Plan
44.	L-4108	Toxicity Characteristic Leaching Procedure (TCLP) for Metals in Waste
45.	L-4150	Total Metals Acid Digestion Procedure of Solid, Liquid, and TCLP Extract Samples
46.	L-4151	Waste Analysis by Atomic Absorption Spectroscopy
47.	L-4152	Mercury Analysis in Waste (Cold-Vapor Technique)
48.	L-4153	Trace Metals by ICP Spectrometry (Solids, Liquids, and TCLP Extracts)
49.	L-4165	GC/MS Determination of Volatile Organic Compounds (Solids, Liquids, and TCLP Extracts)
50.	L-4214	Extraction of Total SVOCS for GC/MS Analysis for WIPP
51.	L-4215	GC/MS Determination of Total SVOCS for WIPP
52.	L-4217	Metals Analysis Data Compilation and Reporting
53.	MAN-001-SDRM	Site Document Requirements Manual
54.	MAN-010-MCA	Materials Control & Accountability Manual
55.	MAN-062-CAUSEANALYSIS	Cause Analysis Requirements Manual
56.	MAN-066-COOP	Site Conduct of Operations Manual
57.	MAN-071-IWCP	Integrated Work Control Program Manual
58.	MAN-092-M&TEM	Measuring and Test Equipment Management Manual
59.	MAN-094-TPM	Training Program Manual
60.	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
61.	MAN-134-PPM	Procurement Program Manual
62.	MAN-T91-STSM-001	Site Transportation Safety Manual
63.	PLN-97-007	TRU Waste Characterization Program Training Implementation Plan
64.	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
65.	PRO-108-PREP-01	Preparation of Nondestructive Assay (NDA) Performance Demonstration Program Samples
66.	PRO-264-RS-0141 (Supercedes PRO-822-DR&V-371, 12/14/00)	Data Review and Verification of Residues Repack Batch Reports
67.	PRO-284-POC-001	Pipe Overpack Component Initial Assembly Process
68.	PRO-440-RS-0149	GGTP Drum Selection and Batching
69.	PRO-484-WIPP-003	Collection, Review, and Confirmation of Acceptable Knowledge Documentation
70.	PRO-486-WIPP-006	TRU Waste Characterization Project Quality Assurance Grading
71.	PRO-489-TRU-664	TRUPACT-II Operating Instructions for Building 664
72.	PRO-543-ASD-002	Initiation, Preparation, and Implementation of Chain-of-Custody Forms
73.	PRO-544-SALTREPACK-371	Residue Repack, Building 371
74.	PRO-548-SSOC-SQA	Software Management for Nondestructive Assay Systems
75.	PRO-603-RS-0152	Data Review and Verification of Solid Sampling Batch Reports
76.	PRO-604-RC-001	Field Sample QC Data Calculation, Review, and Validation Batch Reports
77.	PRO-666-PADC440 (Supercedes PRO-666-	Operating Building 440 Passive/Active Drum Counter

CERTIFIED PROCEDURES		
	PROCEDURE/DOCUMENT NUMBER	TITLE
	PADC569)	
78.	PRO-692-RES-030-002 (Formerly PRO-692-MGSS-030-002)	Non-Heated Gas Test Canister Operations
79.	PRO-731-MC-002	NDA Measurement Control Program
80.	PRO-767-WIPP-001	Waste Records Center Processing
81.	PRO-815-DM-01	Developing and Maintaining Documents
82.	PRO-823-REPACK-371	Combustible Residue Repackaging
83.	PRO-845-NDA-008 (Supercedes 3-Q22-NDA-3000)	Data Review, Verification and Validation for Nondestructive Assay (NDA) Measurement Systems
84.	PRO-860-RS-0156	Solid Sampling, Building 371
85.	PRO-908-ASD-004	On-Site Transfer and Off-Site Shipment of Samples
86.	PRO-940-WIPP-010	WIPP TRU Waste Characterization Project Level Data Review and Reporting
87.	PRO-943-WIPP-007 (Supercedes 1-E93-ADM-16.18, 6/7/00)	TRU Waste Characterization Program Conditions Adverse to Quality Trending and Analysis
88.	PRO-944-WIPP-008	Completion of Waste Stream Profile Form for Waste to be Disposed of at WIPP
89.	PRO-945-WIPP-009	RCRA Characterization of TRU Waste to be Disposed of at WIPP
90.	PRO-957-SuperHENC	Operating the Super High Efficiency Neutron Coincidence (SuperHENC) Counter Mobile Assay System
91.	PRO-962-MGSS-001	Mobile Gas Generation Testing Sampling System (MGSS) Sampling Operations
92.	PRO-963-MGSS-002	Mobile Gas Generation Testing Sampling System Data Calculation
93.	PRO-985-SURV	Performance of Surveillances
94.	PRO-1003-WSRIC-ADMIN (Supercedes 4-D15-BBPE-001, 10/18/01)	WSRIC Administration Guidance
95.	PRO-1018-SWB-371	Standard Waste Box Drum Selection and Grouping
96.	PRO-1031-WIPP-1112	TRU/TRM Waste Visual Verification (V ²) and Data Review
97.	PRO-1034-PEQA (Supercedes PRO-PQR-001, 5/21/01)	Procurement Engineering and Quality Assurance
98.	PRO-1037-WEMS-97-107	Waste and Environmental Management System (WEMS) System Administration Guidance
99.	PRO-1038-WEMS-97-108	WEMS and WSRIC Software Validation Specifications (SVS) Development
100.	PRO-1045-WI-001 (Supercedes 4-M63-WI-4013, 8/30/00)	Solid Radioactive Waste Inspection
101.	PRO-1092-FRAM-440 (Supercedes PRO-1092-FRAM-569)	Operating Building 440 FRAM Gamma Spectroscopy System
102.	PRO-1132-WIPP-012	Preparation of Interface Document for Vendor Owned or Operated Systems
103.	PRO-1265-SS-001	Building 774 and Tank T-207 Aqueous Sludge Removal and Characterization Plan
104.	PRO-1329-DM-03	Site Document Control
105.	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
106.	PRO-1358-440-VERP	Glovebox and C-Cell Waste Operations

CERTIFIED PROCEDURES		
	PROCEDURE/DOCUMENT NUMBER	TITLE
107.	PRO-1400-NDA	NDA Evaluation of Item Description Codes
108.	PRO-1405-PREP-02	Preparation of Boxed Waste Performance Demonstration Program (PDP) Samples for Nondestructive Assay
109.	PRO-1406-SWB	Standard Waste Box Repair/Replacement Operations
110.	PRO-1411-WO-Waste	Waste Receiving, Transfer and Handling
111.	PRO-1418-WO-TRUOP (Supercedes PRO-489-TRU-664)	TRUPACT-II Operations
112.	PRO-1419-WO-LKTST (Supercedes PRO-1419-WO-LKTST)	TRUPACT-II Shipping Leak Test
113.	PRO-1433-MPCC-664	Operating the Multi-Purpose Crate Counter (MPCC) at Building 664
114.	PRO-1520-Mobile-RTR	Mobile Real-Time Radiography Testing of Transuranic and Low-Level Waste
115.	PRO-1541-SLLP (Supercedes 1-MAN-017-LLGI-RM, 12/31/01)	Site Lessons Learned Process
116.	PRO-1566-NDA-STD (Supercedes PRO-697-MLC-00013, 2/28/02)	Evaluating NDA Standards for Continued Use
117.	PRO-1569-SAP-001	Polymerized Organic and Inorganic Liquid Process - Sampling and Analysis Plan
118.	PRO-1585-PWS-440	Polymerized Waste Sampling - Building 440
119.	PRO-1570-NDA-QUAL	Qualification Requirements for NDA Large Package Counters
120.	PRO-1618-PLP-001	Data Review & Verification of Solid Sampling Batch Data Reports
121.	PRO-1623-SCWS-440	Small Container Waste Sampling
122.	PRO-1631-TGS-01	Setup and Calibration of Building 664 Drum TGS
123.	PRO-1632-TGS-02	Operating Building 664 Drum Tomographic Gamma Scanner (TGS)
124.	PRO-1649-LN2-569, 664, 440	Filling Detector Head Dewars in Building 569, 664, 440, SuperHENC and MPCC Mobile Assay Trailers
125.	PRO-1654-NHGGT-1983	Non-Heated Gas Test Canister Operations
126.	PRO-1655-HGGT-1954	Heated Gas Test Canister Operations
127.	PRO-1668-SQA	TRU Waste Characterization Program (TWCP) Software Quality Assurance
128.	PRO-1674-SOURCE/STANDARDS-LOAD/UNLOAD	Source/Standards Loading/Unloading in Matrix Containers in Buildings 440, 569 and 664
129.	PRO-1676-HGAS-S&A (Supercedes L-4231, 6/18/03)	Headspace Gas Sampling and Analysis Using an On-Line Integrated System
130.	PRO-1669-HGAS-V&V (Supercedes L-4053, 6/18/03)	Headspace Gas V&V (Data Generator Level)
131.	PRO-J44-RC&I-6600 (Supercedes 4-J44-RC&I-6600, 4/30/01)	Procured Items Inspection & Certification
132.	PRO-T13-Traffic-306 (Supercedes 1-T13-Traffic-306, 5/13/02)	Labeling and Marking TRUPACT Packages
133.	PRO-T30-Traffic-515	Preparation and Retention of Hazardous Materials Shipping Documents
134.	PRO-T43-Traffic-528 (Supercedes 4-T43-TRAFFIC-528, 5/17/02)	TRUPACT-II Operations Flow
135.	PRO-T95-OSTP-002	Off-Site Transportation Procedure

CERTIFIED PROCEDURES		
	PROCEDURE/DOCUMENT NUMBER	TITLE
136.	PRO-U76-WC-4030	Control of Waste Nonconformances
137.	PRO-W90-FO-0103	Balances
138.	PRO-X05-WC-4018	Transuranic (TRU) Waste Certification
139.	RF/RMRS-97-018	RFETS TRU Waste Acceptable Knowledge Supplemental Information
140.	RMRS-WIPP-98-100	Acceptable Knowledge TRU/TRM Waste Stream Summaries
141.	RS-012-004	Grid Method – Solid Sampling & Analysis Plan
142.	RS-012-005	Cone & Quartering Method – Solid Sampling and Analysis Plan
143.	RS-020-001	Gas Generation Program Testing Quality Assurance Project Plan
144.	RS-020-012	Ash Residue Repack, Process Control Plan
145.	RS-020-013	Dry Residue Repackaging Process Control Plan
146.	RS-020-018	Combustible Residue Repackaging Process Control Plan
147.	RS-020-021	Salt Residue Repack, Buildings 371 and 707 Process Control Plan

RFETS Qualification and Calibration Reports & Plans

Qualification and Calibration Reports & Plans		
	Qualification & Calibration Reports	TITLE
1.	BII-8215-C&VP-001	RFETS 569 Passive/Active Drum Counter Calibration and Validation Plan, Instrument Control Number 569PADC001, dated 8/26/99
2.	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.
3.	KH-NDA2002-CAL/QUAL-664TGS04	Calibration and Qualification Plan for the Newly Relocated Building 664 Tomographic Gamma Scanner (TGS) Counter, Instrument Control Number 664TGS04.
4.	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
5.	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
6.	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
7.	KH-NDA2003-CALVER-440PADC01	Calibration Verification Plan for the Newly Relocated Building 440 Imaging Passive-Active Neutron Drum Counter (PADC), Instrument Control Number 440PADC01
8.	KH-NDA2003-CAL/QUALP-440FRAM01	Calibration and Confirmation Plan for the Building 440 FRAM Gamma Spectroscopy System, Instrument Control Number 440FRAM01.
9.	KH-NDA2003-CAL/QUALR-440FRAM01	Calibration and Qualification Report for the Building 440 FRAM Gamma Spectroscopy System, Instrument Control Number 440FRAM01.
10.	KH-NDA2003-QUAL-664TGS04(Glass)	Qualification Report for the ANTECH TGS Drum Counter 664TGS04 - Glass Matrix.
11.	MGSSQP-LATA-001	Mobile Gas Generation Testing Sampling System Qualification Plan
12.	MGSSQR-LATA-001	Mobile Gas Generation Testing Sampling System Qualification Report
13.	MGSSSTP-LATA-001	Mobile Gas Generation Testing Sampling System (MGSS) Test Plan
14.	Unnumbered	Calibration and Qualification Report Package for the SuperHENC Mobile Assay Trailer Instrument Identification Number: 440SHENC01, prepared January 22, 2001
15.	Unnumbered	Qualification Plan for Building 664 Multipurpose Crate Counter (MPCC) Instrument Identification Number: 664MPCC01, approved 4/5/02
16.	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			
	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-002	Qualification Plan for the 371TGS02 Tomographic Gamma Scanner (TGS) Building 371	Deactivated 7/15/03 (Equipment taken out of service).
4.	00-NDA-TGS-003	Qualification Plan for the 569TGS04 Tomographic Gamma Scanner (TGS)	Deactivated 10/18/02 – Equipment shut down
5.	3-MAN-006-NDA-1000	NDA Calibration and Validation Program Manual	Deactivated 9/19/01 and applicable information incorporated into the qualification plans.
6.	4-H80-776-ASRF-007	Visual Examination for Confirmation of RTR	Deactivated 11/6/01 – Equipment shut down
7.	4-I19-NDT-00569	Real-Time Radiography Testing of Transuranic and Low-Level Waste in Building 569	Deactivated 4/30/03
8.	4-T04-TRAFFIC-204	Waste Shipment Certification Form, RF-46416	Deactivated 4/5/02
9.	4-W84-RS-0114	Salt Residue Stabilization/Repack, Bldg. 707	Deactivated 3/9/01 – Project complete
10.	99-NDA-SGS-100	Qualification Plan for the Canberra Segmented Gamma Scan (SGS) Can Counter Instruments	Deactivated – last counter shut down 1/1/01
11.	371-STGS-01 (IDC 411R)	Building 371 Skid TGS Can Counter (ID 371-STGS-01) Calibration and Qualification Report	Deactivated – shut down 10/18/02
12.	CALG-IQ-00119	NDA-CAL/GAMMA Qualification Results 0.2 - 5.0 Watts, Calorimeter AR7	Deactivated 11/12/03 (Equipment taken out of service)
13.	CALG-QP-00005	Calorimetric Qualification Plan	Deactivated 11/12/03 (Equipment taken out of service)
14.	INS-246	TWCP QAPD Procedures Matrix	Deactivated 6/12/03
15.	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
16.	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	Deactivated 7/15/03 - Equipment taken out of service
17.	KH-NDA2001-CAL-371TGS05	Calibration and Qualification Report for the ANTECH Tomographic Gamma Scanning (TGS) Can Counter 371TGS05, dated 10/11/01	Deactivated 7/15/03 - Equipment taken out of service
18.	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	Deactivated 7/15/03 - Equipment taken out of service
19.	L-2421	Precision Gas Mass Spectrometry Operations and Analysis (VG-30-38)	Deactivated 10/22/02 – No longer doing HSG sampling with Summa canisters.
20.	L-4006	Chain-of-Custody and Sample Administration for Headspace Sample Canisters	Deactivated 10/22/02 – No longer doing HSG sampling with Summa canisters.
21.	L-4042	Gas Generation Calculation for Gas Generation Test Program (GGTP)	Deactivated 7/20/00 - Method was replaced by the Mobile Gas Generation Test System
22.	L-4043	Gas Generation Data Reporting for Gas Generation Test Program (GGTP)	Deactivated 7/20/00 - Method was replaced by the Mobile Gas Generation Test System

Deactivated Procedures and Qualification/Calibration Plans and Reports			
	Procedure Number	Title	Reason for Action
23.	L-4044	Data Validation - Data Generation Level - for the Gas Generation Test Program (GGTP)	Deactivated 7/20/00 - Method was replaced by the Mobile Gas Generation Test System
24.	L-4052	Headspace Gas Sampling and Analysis Using an Automated Manifold Qualification Plan and Test	Deactivated 7/8/03
25.	L-4111	GC/MS Determination of Volatile Organics Waste Characterization	Deactivated 10/22/02 – No longer doing HSG sampling with Summa canisters.
26.	L-4138	Summa Passivated Stainless Steel Canister Cleaning and Certification	Deactivated 10/22/02 – No longer doing HSG sampling with Summa canisters.
27.	L-4146	Headspace Gas Sampling of Waste Containers	Deactivated 10/22/02 – No longer doing HSG sampling with Summa canisters.
28.	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.
29.	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.
30.	L-5017	HVOC Data Review and Validation (Data Generation Level)	Deactivated 10/22/02 – No longer doing HSG sampling with Summa canisters.
31.	LA-UR-00-2955	Determination of the Total Measurement Uncertainty for the RFETS Skid Mounted TGS and Can TGS	Deactivated, last B-371 TGS shutdown 7/15/03
32.	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
33.	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	Deactivated - shut down 10/18/02)
34.	PRO-174-WO-5227	Operating Building 371 SGS Drum Counter	Deactivated - counter shut down 7/9/02
35.	PRO-236-SGS-001	Operating the Canberra Segmented Gamma Scanner (SGS) Can Counter	Deactivated – last counter shut down 1/1/01
36.	PRO-404-RS-0145	Data Review and Verification, Ash Residue Repack Batch Reports	Deactivated 5/21/02
37.	PRO-428-RS-0146	Data Review and Validation, Ash Residue Repack Sample Batch Reports	Deactivated 1/31/02
38.	PRO-687-TGS-371	Operating the Skid Mounted Tomographic Gamma Scanner (TGS)	Deactivated 10/18/02
39.	PRO-701-TGS-371	Setup and Calibration for the Skid Mounted Tomographic Gamma Scanner (TGS)	Deactivated – 10/30/02
40.	PRO-717-HDGAS-371	Headspace Gas Sampling, Building 371	Deactivated 5/12/03
41.	PRO-728-NDA-001	Operating the Neutron Multiplicity Counters and TRIFID Gamma-Ray Isotopics Systems	Deactivated – last counter shut down 3/6/02
42.	PRO-830-DRUM-371	Drum Loading into Standard Waste Boxes	Deactivated 9/25/03
43.	PRO-856-RS-0153 –	Gas Generation Test Data Reduction and Reporting	Deactivated 4/24/03. Building 371 gas generation operation discontinued.
44.	PRO-933-NMC-002	Neutron Multiplicity Counter and TRIFID Systems Setup and Calibration	Deactivated – last counter shut down 3/6/02
45.	PRO-1006-TGS-569-01	Setup and Calibration of Building 569 Drum Tomographic Gamma Scanner (TGS)	Deactivated 8/1/02 – Counter shut down.
46.	PRO-1007-TGS-569-02	Operating Building 569 Drum Tomographic Gamma Scanner (TGS)	Deactivated 8/1/02 – Counter shut down.

Deactivated Procedures and Qualification/Calibration Plans and Reports			
	Procedure Number	Title	Reason for Action
47.	PRO-1072-NDA-MSQ	Matrix-Specific Qualification for NDA Can Counters	Deactivated 7/25/03. All can counters are out of service
48.	PRO-1140-NDA	NDA Trouble Report Processing	Deactivated – 2/7/03
49.	PRO-1141-WP-4701	Waste Characterization Gas Sampling	Deactivated 10/22/02 – No longer doing HSG sampling with Summa canisters.
50.	PRO-1266-SS-002	Tank Sludge Removal from Pre-Selected Areas, Building 774	Deactivated 4/29/03
51.	PRO-1290-TRIFID-371	TRIFID Gamma-Ray Isotopic Analysis System Qualification	Deactivated, last Cal/Gamma system shutdown 11/12/03
52.	PRO-1297-CLC&RPT-371	Calorimetry/Gamma-Ray Assay Calculation and Reporting of Results	Deactivated, last Cal/Gamma system shutdown 11/12/03
53.	PRO-1298-ISOAN-371	Gamma-Ray Isotopic Analysis of Plutonium-Bearing Solids in Building 371 Cal/Gamma Laboratory	Deactivated, last Cal/Gamma system shutdown 11/12/03
54.	PRO-1299-AIRBATH-371	Calorimetry Using the ANTECH Airbath System in Building 371 Cal/Gamma Laboratory	Deactivated, last Cal/Gamma system shutdown 11/12/03
55.	PRO-1302-WIPDATA-371	Data Review and Validation for Calorimetric Assay for WIPP-TRU Waste Characterization Program in Building 371 Cal/Gamma Laboratory	Deactivated, last Cal/Gamma system shutdown 11/12/03
56.	PRO-1326-Commodities	Requisitioning Commodities	Deactivated 8/13/03. (see MAN-134-PPM)
57.	PRO-1327-Services	Requisitioning Services	Deactivated 9/10/03 (see MAN-134-PPM)
58.	PRO-1386-TGS-371	Setup and Calibration of Building 371 Can Tomographic Gamma Scanner (TGS)	Deactivated 8/13/03, last TGS system shutdown
59.	PRO-1392-TGS-371	Operating B371 Tomographic Gamma Scanning (TGS) Can Counters	Deactivated 8/13/03 (TGS can counters have been taken out of service).
60.	PRO-1393-LN2-371	Filling, Transfer and Detector Head Dewars in Building 371	Deactivated, last Cal/Gamma system shutdown 11/12/03
61.	PRO-1471-VE-771	Visual Examination for Confirmation of RTR	Deactivated 11/14/03
62.	PRO-1608-VECRTR-371	RTR Visual Examination Confirmation, Building 371	Deactivated 8/12/03
63.	PRO-1628-A2-001	Tank Sludge Removal from Pre-Selected Areas, Tank T207	Deactivated 7/10/03
64.	PRO-J23-FO-0133	Drum and Box Repack	Deactivated 5/16/02
65.	PRO-N01-RES-030-001	Heated Gas Test Canister Operations	Deactivated 7/10/03
66.	PRO-X28-RS-0116	Combustible Residue Repackaging Room 3701, GB-1509	Deactivated 2/20/00
67.	PRO-X32-RS-0128	Dry Residue Repackaging, Building 707	Deactivated 10/23/01 – Bldg 707 operation complete
68.	PRO-X56-RS-0123	Ash Residue Repack, Building 707	Deactivated 5/21/02 – Bldg 707 operation complete
69.	RS-020-006	Salt Residue Stabilization, Building 707 Process Control/Qualification Plan	Deactivated 5/18/01 – Bldg 707 operation complete
70.	RS-020-017	Salt Residue Stabilization, Building 707 Qualification Report	Deactivated 5/21/02 – Bldg 707 operation complete
71.	SQM-007	IQ3 Waste Assay Trailer Operating Procedure - Operating and Calibrating the Canberra IQ3 Gamma Scanner	Deactivated - counter shut down 10/1/01
72.	SQM-008	Operating & Calibrating the Canberra Passive Neutron Counter	Deactivated - counter shut down 10/1/01
73.	SQM-009	Operating & Calibrating the Canberra Segmented	Deactivated – last counter shut down

Deactivated Procedures and Qualification/Calibration Plans and Reports			
	Procedure Number	Title	Reason for Action
		Gamma Scanner	10/1/01
74.	SQM-010	Review, Validation, & Reporting Nondestructive Assay (NDA) Data & Results	Deactivated – last counter shut down 10/1/01
75.	SQM-011	Canberra Nuclear NDA Implementation Plan for RFETS Transuranic Waste Characterization Program	Deactivated – last counter shut down 10/1/01
76.	SQM-016	Overview of Canberra Mobile NDA Services RFETS Project	Deactivated – last counter shut down 10/1/01
77.	SQM-120	Mobile Software Configuration Management	Deactivated – last counter shut down 10/1/01
78.	SQM-121	Mobile Software Configuration Verification	Deactivated – last counter shut down 10/1/01
79.	SQM-130	RFETS Transuranic Waste Expert Review	Deactivated – last counter shut down 10/1/01

Superseded Procedures			
	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-4053	Headspace Gas V&V (Data Generator Level)	Superseded by PRO-1669-HGAS-V&V (6/18/03)
17.	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)
18.	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)
19.	L-4231	Headspace Gas Sampling and Analysis Using an Automated Manifold	Superseded by PRO-1676-HGAS-S&A (6/18/03)
20.	MAN-012-SCARM	Site Corrective Action Requirements	Superseded by MAN-131-QAPM (11/1/01)
21.	PRO-291-TPO/WO/5035	TRUPACT-II Verification Leak Test, Building 664	Superseded by PRO-1419-WO-LKTST)
22.	PRO-489-TRU-664	TRUPACT-II Operating Instructions for Building 664	Superseded by PRO-1418-WO-TRUOP
23.	PRO-572-PQR-001	Procurement Quality Assurance Requirements	Superseded by PRO-1034-PEQA, appendix 5 (5/21/01)
24.	PRO-666-PADC569	Operating Building 569 Passive/Active Drum Counter	Superseded by PRO-666-PADC440 (3/9/03)
25.	PRO-692-MGSS-030-	Non-Heated Gas Test Canister Operations	Superseded by PRO-692-RES-030-002

Superseded Procedures			
	Number	Title	New Procedure Number
	002		(7/28/00)
26.	PRO-697-MLC-00013	Preparation and Certification of NDA Standards and Sources	Superseded by PRO-1566-NDA-STD (2/28/02)
27.	PRO-822-DR&V-371,	Data Review and Verification of Wet Combustible Residue Batch Reports	Superseded by PRO-264-RS-0141 (12/14/00)
28.	PRO-864-TGS-371	Setup and Calibration for the Can Counter Tomographic Gamma Scanner (TGS)	Superseded by PRO-1386-TGS-371 (2/12/02)
29.	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)
30.	PRO-1092-FRAM-569	Operating Building 569 FRAM Gamma Spectroscopy System	Superseded by PRO-1092-FRAM-440 (3/9/03)
31.	PRO-1205-MLA-008	Metrology Control of Measuring and Test Equipment -	Superseded by MAN-092-M&TEM on 10/30/03
32.	PRO-1357-440-HSGS-FAC	Facility Headspace Gas Sampling	Superseded by PRO-984-440-HSGS (8/31/00)
33.	PRO-T20-Traffic-505	Certifying Authorized Payloads for TRUPACT-II	Superseded by PRO-T43-Traffic-528 on 7/31/03
34.	RF/RMRS-97-108	WEMS Software Validation Specification Development -	Superseded by PRO-1038-WEMS-97-108 on 8/31/00