



Department of Energy

Carlsbad Area Office
P. O. Box 3090
Carlsbad, New Mexico 88221

November 21, 2000



Steve Zappe, Project Leader
Hazardous Waste Bureau
New Mexico Environment Department
2044 Galisteo
Santa Fe, NM 87502

RE: Transmittal of the Final Audit Report for Rocky Flats Environmental Technology Site
(A-00-12)

Dear Mr. Zappe:

This letter transmits the Final Audit Report for Rocky Flats Environmental Technology Site as required by Section II.C.2.c of the WIPP Hazardous Waste Facility Permit. The audit was conducted on September 18-22, 2000 and November 1-1, 2000.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Please contact the Carlsbad Field Office Quality Assurance Manager, Sam Vega, at (505) 234-7423 should you have any questions concerning this audit report.

Sincerely,

Dr. Inés R. Triay
Manager

Enclosure

cc: w/enclosure
M. Gerle, WID (Operating Record)
C. Walker, TechLaw Inc.



cc w/o enclosure:

T. Harms, DOE-HQ

K. Watson, CBFO

S. Vega, CBFO

L. Chism, CBFO

C. Zvonar, CBFO

M. Italiano, CBFO

J. Kieling, NMED

J. Bearzi, NMED

R. Dinwiddie, NMED

J. Epstein, WID

L. Stevens, WID

T. Bowden, CTAC

**U.S. DEPARTMENT OF ENERGY
CARLSBAD FIELD OFFICE**

FINAL AUDIT REPORT

OF THE

ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE

GOLDEN, COLORADO

AUDIT NUMBER A-00-12

September 18-22, 2000
and
November 1-2, 2000

**FINAL AUDIT REPORT OF REPACKAGED DEBRIS WASTE
CHARACTERIZATION IN ACCORDANCE WITH THE HAZARDOUS
WASTE FACILITY PERMIT**



Prepared By: Charles L. Riggs
Charles L. Riggs
Audit Team Leader

Date: 11/16/00

Approved By: Samuel A. Vega
Samuel A. Vega
CBFO QA Manager

Date: 11/20/00

1.0 EXECUTIVE SUMMARY

Carlsbad Field Office (CBFO) Audit A-00-12 was conducted to evaluate the adequacy, implementation, and effectiveness of Rocky Flats Environmental Technology Site (RFETS) transuranic (TRU) waste characterization activities for repackaged debris waste and homogeneous solids waste relative to the requirements detailed in the Waste Isolation Pilot Plant (WIPP) Hazardous Waste Facility Permit (HWFP) and the CBFO *Quality Assurance Program Document* (QAPD). With regard to the HWFP-related activities, a set of B6 checklists is included in Attachment 3. These checklists contain only the items for the S5000 processes that were approved by CBFO as a result of Audit A-00-12 and the corresponding items from Audit A-00-08, *Waste Characterization of Retrievably Stored Debris Waste*, that are applicable to the S5000 processes for repackaged debris waste.

The audit was conducted at the RFETS facility September 18-22, 2000. The audit team concluded that, overall, the adequacy of the RFETS technical and quality assurance (QA) programs, as applicable to audited activities, was satisfactory. The audit team also concluded that the defined QA and technical programs for these activities were being implemented in accordance with the *Rocky Flats Environmental Technology Site TRU Waste Characterization Program Quality Assurance Project Plan* (QAPjP) and its implementing procedures and that the processes were effective. Exceptions to these conclusions are noted below.

The scope of the audit included Summary Category Group S5000 debris waste and S3000 homogeneous solids; in particular, repackaging activities for wet and dry debris wastes and sampling and analysis processes for homogeneous solid, salt and ash wastes. One new headspace gas (HSG) unit, four new Nondestructive Assay (NDA) units, and supporting laboratory activities were also evaluated during this audit. Waste streams designated as Dry Residues and Wet Combustible Residues are repackaged for disposal. The repackaging operations were audited for WAP compliance. RFETS uses the visual examination technique for these operations. The other characterization techniques and activities associated with S5000 (such as headspace gas sampling and analysis and Waste Stream Profile Form (WSPF) preparation) have been previously audited and approved. The visual examination technique was found to adequately meet the WAP requirements for characterization of repackaged debris waste.

Sampling and analysis processes for S3000 category retrievably stored and newly generated wastes were audited. This portion of the audit was not completed because the subject waste had not yet met the WAP-related drum age criteria for headspace gas sampling. Consequently, it was not possible to determine if headspace gas analysis supports the waste determination made using acceptable knowledge. RFETS has demonstrated that the process used to perform this confirmation activity is adequate; however, the HWFP requires a complete audit of the characterization activities for S3000 waste before it can be approved for shipment. This portion of the audit will be completed after the drum age criteria has been met and RFETS has performed headspace gas sampling for the confirmation of acceptable knowledge. Therefore,

S3000 activities are not included in this report. No S3000 waste will be shipped to WIPP for disposal until the New Mexico Environment Department (NMED) has also reviewed and approved corresponding waste characterization activities.

In addition, RFETS has a new on-line headspace gas sampling and analysis process that is to be used for confirmatory testing of waste drums. This unit was not functional during the September 18-22, 2000 portion of the audit. A follow-up visit was performed November 1-2, 2000 to evaluate the HSG unit. RFETS was still unable to demonstrate the operation of the HSG unit due to a burned out filament; therefore, this unit will be evaluated during a future audit and headspace gas sampling will continue to be conducted using previously audited and approved methods.

Given the areas that were not audited as planned, the audit team did not identify any conditions adverse to quality in the areas addressed in this report. One Observation was identified (see Section 6.0).

2.0 SCOPE AND PURPOSE

2.1 Scope

The audit team evaluated the adequacy, implementation, and effectiveness of the RFETS TRU waste characterization processes for repackaged debris waste relative to the requirements contained in the HWFP Waste Analysis Plan (WAP), Attachments B through B6, as applicable. Compliance was documented by completing the HWFP Attachment B6 checklists for the applicable RFETS activities.

The following RFETS program elements were evaluated in accordance with the HWFP:

Quality

- Control of Nonconforming Items
- Personnel Qualification and Training
- Documents and Records

Technical

- Dry Residue Repackaging
- Wet Combustible Residue Repackaging

The evaluation of RFETS TRU waste activities and documents was based on current revisions of the following documents:

- Waste Isolation Pilot Plant Hazardous Waste Facility Permit, October 27, 1999, with applicable modifications*

*Quality Assurance Program Document, CAO-94-1012, Revision 3,
November 1999*

*Rocky Flats Environmental Technology Site TRU Waste Characterization Program
Quality Assurance Project Plan, 95-QAPjP-0050, Revision 4, December 9, 1999*

*RFETS Transuranic (TRU) Waste Management Manual, 1-MAN-008-WM-001,
Revision 4, August 25, 2000*

Related RFETS technical and quality assurance implementing procedures

2.2 Purpose

Audit A-00-12 was conducted to assess the compliance of RFETS (Residue Wastes), repackaged debris and homogeneous solids waste characterization activities.

3.0 AUDIT TEAM AND OBSERVERS

AUDITORS/TECHNICAL SPECIALISTS

Sam Vega	Quality Assurance Manager, CBFO
Charlie Riggs	Audit Team Leader, CTAC
Jack Walsh	Auditor, CTAC
Steve Davis	Auditor, CTAC
Wayne Ledford	Auditor, CTAC
Dee Scott	Auditor, CTAC
Steve Calvert	Auditor, CTAC
Earl Bradford	Auditor, CTAC
Jim Schuetz	Auditor, CTAC
Jeff May	Auditor, CTAC
Dorothy Gill	Technical Specialist, CTAC
Randy Fitzgerald	Technical Specialist, CTAC
Ken Coop	Technical Specialist, CTAC
William Verret	Technical Specialist, CTAC
Dick Blauvelt	Technical Specialist, CTAC
Trey Greenwood	Technical Specialist, CTAC
Jim Bresson	Technical Specialist, CTAC
Tom Ward	Technical Specialist, WID

INSPECTORS

Scott Monroe	Environmental Protection Agency
Patrick Kelly	Sanford Cohen Associates (EPA)

OBSERVERS

Steve Zappe	New Mexico Environment Department
Will Fetner	New Mexico Environment Department
Connie Walker	TechLaw Inc. (NMED)
William Fear	TechLaw Inc. (NMED)
Robert Thielke	TechLaw Inc. (NMED)
June Dreith	TechLaw Inc. (NMED)
Lisa Brunley	TechLaw Inc. (NMED)
Ben Walker	Environmental Evaluation Group

4.0 AUDIT PARTICIPANTS

RFETS individuals contacted during the audit are identified in Attachments 1 and 2. A pre-audit meeting was held at RFETS Building 460 on September 18, 2000. A daily meeting was held with RFETS management and staff to discuss the previous day's issues and potential deficiencies. The audit was concluded with a post-audit meeting held at RFETS Building 460 on September 22, 2000.

5.0 SUMMARY OF AUDIT RESULTS

5.1 Program Adequacy and Implementation

This audit was performed to assess the ability of RFETS to characterize newly generated waste from Summary Category Group S5000 and homogeneous solids waste from Summary Category Group S3000 to the requirements specified in the HWFP WAP. The characterization method assessed for the S5000 repackaged debris waste was the visual examination technique. Data review, validation, and use of those results to perform data quality objective (DQO) reconciliation were assessed. Confirmation of acceptable knowledge for S3000 waste could not be completed because the waste had not met the drum age criteria and therefore could not be sampled for headspace gas.

The audit team concluded that the applicable RFETS TRU waste characterization activities for the new processes audited, as described in the associated RFETS implementing procedures, satisfactorily meet the requirements contained in the HWFP. The audit of the acceptable knowledge process for S3000 waste will be completed when headspace gas sampling and analysis can be performed. Details of audit activities, including specific objective evidence reviewed for those activities approved by CBFO as a result of this audit, are described below and in the attached supplemental B6 checklists. The B6 checklists identify the RFETS program documents and procedures where WAP requirements are met and lists the objective evidence used to evaluate the implementation. Enclosure 2 contains examples of the objective evidence that was reviewed during the audit.

5.2 Technical Activities

Each audited technical area is described below. The method used to select objective evidence is discussed, the objective evidence used to assess WAP compliance is cited briefly, and the result of that assessment is provided.

One Observation was generated as a result of this audit (see Section 6.0).

5.2.1 Table B6-1 WAP Checklist

The B6-1 WAP checklist documents the verification that the waste characterization strategy, as defined in the WAP, is implemented using controlled procedures. This audit was performed to assess the ability of RFETS to characterize repackaged Summary Category Group S5000 debris waste. The evaluation of the implementation of the characterization strategy was accomplished by 1) reviewing available batch data reports, 2) reviewing training documentation for TRU Waste Characterization Program (TWCP) personnel, 3) observing actual waste characterization activities, and 4) reviewing specific requested documentation from the RFETS WIPP Records Center. Each characterization process involves:

- Collection of raw data
- Collection of quality assurance/quality control (QA/QC) samples or information
- Reduction of the data to a useable format, including a standard report
- Review of the report by the data generation facility and the Site project office
- A comparison of the data against DQOs
- Reporting the final waste characterization information to WIPP

The flow of data from the point of generation to the Site project office for each new characterization technique was reviewed to ensure that all applicable requirements were captured in site operating procedures. The development of a WSPF and the hazardous waste manifest was audited and approved during Audit A-00-08; therefore, these activities were not revisited during Audit A-00-12.

During the week of September 18, 2000, RFETS demonstrated compliance with the characterization requirements for newly generated repackaged S5000 waste. Batch data reports that had been generated during characterization activities prior to the audit were reviewed as part of the objective evidence and S5000 repackaging activities were also observed. Copies of the batch data reports are included in Enclosure 2. Batch data reports reviewed to assess Site project office data review, verification, and validation were:

- AR-DP-707D-00038
- AR-DP-707D-00041
- CRR-DP-371-C-002
- CRR-DP-371-C-005

Personnel contacted during Site project office process reviews included:

- John Tressell
- Carol Ferrera
- Eric D'Amico
- Jim Ferguson

5.2.2 Table B6-2 Solids and Soils/Gravel Sampling Checklist

Solids and soil/gravel sampling is not conducted during wet/dry repackaging, therefore, this table is not included for Audit A-00-12.

5.2.3 Table B6-3 Acceptable Knowledge Checklist

RFETS AK processes for a retrievably stored S5000 waste stream were reviewed and approved in audit A-00-08; therefore, there is no supplemental information to add to the B6-3 checklist. RFETS continues to satisfactorily meet HWFP WAP AK requirements for S5000 wastes.

5.2.4 Table B6-4 Headspace Gas Checklist

RFETS has not changed the headspace gas process since audit A-00-08; therefore, there is no supplemental information to add to the B6-4 checklist. RFETS continues to satisfactorily meet the HWFP WAP headspace gas requirements.

5.2.5 B6-5 Radiography Checklist

RFETS has not changed the RTR process since audit A-00-08; therefore, there is no supplemental information to add to the B6-5 checklist. RFETS continues to satisfactorily meet the HWFP WAP radiography requirements.

5.2.6 B6-6 Visual Examination (VE) Checklist

While there are no B6 checklist items that specifically address the visual examination technique, several B6-6 checklist items address requirements that also apply to waste characterization using the visual examination technique (i.e., not as a QC check on RTR). These checklist items have been updated and are included in Attachment 3.

Dry Residue Repackaging

The audit team witnessed glovebox operations in Building 707 and reviewed a series of batch data reports from earlier dry residue repackaging operations.

The audit team witnessed glovebox operations for the dry residue repackaging process that included removing dry residues from storage cans, sieving, batching and blending,

visual examination, and repackaging into new containers. The team also witnessed the operators preparing process documentation as work was completed.

Personnel contacted during the audit of this area:

- Randy Malloy
- Leslie A. Sayre
- Donald A. Blunn
- Gail Rodgers
- Jim Ferguson
- Randy Keyser
- Leonard A. Atencio
- Ted A. Rademacher
- Tim Sorenson
- Bernard Small
- Jerome Starks
- Mike Plankinton

Wet Combustible Residues Repackaging

The audit team witnessed glovebox operations in Building 371 and reviewed a series of batch data reports.

The audit team witnessed glovebox operations for the wet combustible residue repackaging process. The team witnessed glovebox processing of the residue that included sorting, size reduction (as necessary), visual examination, and repackaging into new containers. The team also witnessed the operators preparing process documentation as work was completed.

Personnel contacted during the audit of this area:

- R. D. Sgrignoli
- S. DeSalle
- J. Carter
- Michael J. Singh
- Gene Krupp
- Adrienne MacLeod
- Laura Kinstad
- Mark Jones
- David Liken
- Frank C. Hoelzle, III
- Rob A. Fairchild
- Mark A. Pitts

6.0 SUMMARY OF DEFICIENCIES

6.1 Corrective Action Reports

No WAP-related CARs were initiated during the audit.

7.0 OBSERVATIONS

Observations document marginally acceptable conditions that, if not controlled, might later escalate into deficiencies.

Observation 1

The wet combustible repackaging process relies on the RFETS Item Description Code (IDC) for describing the waste items being visually verified. While the batch data reports reviewed during the audit contain descriptions that meet HWFP requirements, there is a risk in using the current practice of not documenting an adequate waste description during wet combustible repackaging. For instance, in batch data report CRR-DR-371-C-005, IDCs 330, 336, and 337 waste were repacked with absorbent. A note was added to the comments section of the data sheet stating that absorbent was used. Without this note, the waste description would not be complete because the IDCs would not identify that absorbent is present. RFETS needs to ensure that the waste description is complete, which may include a combination of the IDC and supplementary comments. This would include a description of other IDCs constituting less than 10% of the waste matrix as allowed by the wet combustible repackaging procedures.

8.0 LIST OF ATTACHMENTS

Attachment 1: Personnel Contacted During the Audit
Attachment 2: Personnel Contacted During the Audit by Area
Attachment 3: WIPP Hazardous Waste Facility Permit B6 Checklist
Attachment 4: Table of Audited RFETS Implementing Procedures

9.0 LIST OF ENCLOSURES

Enclosure 1: RFETS Audited Implementing Procedures
Enclosure 2: Objective Evidence and Content Map

PERSONNEL CONTACTED DURING THE AUDIT

RFETS PERSONNEL CONTACTED DURING AUDIT A-00-12				
NAME	ORG/TITLE	PREAUDIT MEETING	CONTACTED DURING AUDIT	POST-AUDIT MEETING
Ailes, Sid	TWCP/SAIC; SQA		X	
Antimary, Steve	Wet Comb; Tech Support		X	
Atencio, Leonard A.	Informatincs; Dry Repack Supervisor	X	X	
Ater, Ed	TRU/MSQA; TRU Project Engineer	X		X
Atuney, Dave	Salt Supervisor		X	
Baca, Tom	KH/Matl stewardship; VP			X
Ballenger, R. J.	TRU Program; Manager Residues, Audit Program	X	X	X
Barone, Gary S.	Wet Comb; Pro Spec		X	
Beeler, Dewitt L.	KH/QP; Site QA Manager	X		X
Best, Ronald	GGTP; GGT		X	
Blunn, Donald A.	Dry Repack; Tech Supervisor		X	
Bowser, Barry	LATA; GGTP QAO	X	X	X
Bradford, Jeff	Low level and other waste Project Manager	X		X
Brailsford, Marvin	KH; VP Material Stewardship	X		
Brown, R. Dennis	DB Associates; Consultant		X	
Brugh, Mark	559 Labs; Inorganic Lab Manager	X	X	X
Carson, Pete	North Wind; TRU Program	X	X	X
Carter, J	Wet Comb; D&D		X	
Chinn, Mary Ann	Wet Comb; D&D Skilled		X	
Crowe, Steve	KH/Material Stewardship;	X		X

RFETS PERSONNEL CONTACTED DURING AUDIT A-00-12				
NAME	ORG/TITLE	PREAUDIT MEETING	CONTACTED DURING AUDIT	POST-AUDIT MEETING
	ESH&Q Manager			
D'Amico, Eric	TRU Program; Environmental Scientist	X	X	X
Dahl, David	MS; QA/NDA	X	X	X
Davidson, Craig	Canberra; Mobile NDA PM	X	X	X
Davidson, Dorothy	Canberra, VP/PM	X		X
Davis, Robert E.	MS QA Manager	X		X
Dinkel, Robert D.	441 Traffic; Sr Spec			X
Donoholle, T. P.	SAIC/NDA Meas.; Tech Sup		X	
Desalle, S.	Wet Comb; Prod Lead		X	
Dowd, Tim	Process Specialist		X	
Dreher, David	SSOC; NDA OPS Manager	X	X	X
Edmiston, Douglas R.	GGT; Wet Comb.	X	X	
Engholm, Eric L.	Ash; D&D Skilled Trades		X	
Eschenbaum, R. A.	TRU Program; WIPP Audit Lead	X		X
Eschenbaum, Ron	GGT/BNG Manager; Wet Comb.	X	X	X
Fairchild, Rob A.	Wet Comb; Proc Spec Verifier		X	
Ferguson, Jim	GTSD/TRU Project; Engineer	X	X	X
Ferrera, Carol	KH TWCP QAO	X	X	X
Fischer, Sherrie	ALWPF; File Custodian		X	
Fisher, A. J.	SSOC; QA Manager			X
Fisher, Doug	Salts; SME	X	X	
Fleissner, John	Canberra, Tech Dir	X	X	

RFETS PERSONNEL CONTACTED DURING AUDIT A-00-12				
NAME	ORG/TITLE	PREAUDIT MEETING	CONTACTED DURING AUDIT	POST-AUDIT MEETING
Florez, Herman	Glove Box; Salt Operator		X	
Freeburg; Jeff	Tenera; GGTP Manager	X	X	
Fuller, John E.	Ash; SME		X	
Gaumond, Gwen	IRM; DTRK Devl		X	
Geisinger, Gregg	LLWC&O; WCO		X	
Glacomui, Jo	KH/MS; Dep PM	X		
Grady, Frank	RMRS/TRU Waste Projects; TRU Project Engineer		X	X
Guthrie, David	LATA; Rad Labs	X	X	
Guyn, Terry	KHPQA; QA Engineer		X	
Hadacek, M. W.	371 QA Manager	X		
Hallman, Anne	WC&O/Weston/Waste Certification	X	X	
Harris, Mike	SSOC/Rad Labs; Chemist		X	
Harrison, Jeff	Wastren/RMRS; Engineer		X	X
Heath, David	KH; Mgr/Data Quality	X	X	X
Hillman, Dan	RTS	X	X	
Hoelzle, Frank C., III	Wet Comb; Proc Spec Operator		X	
Holwager, LeeAnn	I H&S; health & safety		X	
Hunter, Duane	KH/Labs; Manager	X		X
Jennings, Mike	KH/TRU Programs	X		X
Jensen, Roger	RRT Labs		X	
Johnson, Jim	Nucfil; Supervisor Ops		X	
Johnson, Laura	Rad Labs; Sample Coordinator		X	

RFETS PERSONNEL CONTACTED DURING AUDIT A-00-12				
NAME	ORG/TITLE	PREAUDIT MEETING	CONTACTED DURING AUDIT	POST-AUDIT MEETING
Johnson, Mickey	Salt Residue; SME	X	X	
Jones, Mark	Wet; Operator		X	
Jordan, Bruce	RT Labs; RRT Lab Tech		X	
Joseffy, David	Nuclear Filter; Headspace Consulting Engineer	X	X	
Kangas, Mark	TRU Program, SME F-Test	X		X
Kayler, Larry	SAIC; NDA Measurements	X	X	X
Kershner, Ron	DOE/RFFO/QPD	X		
Keyser, Randy	Complex Technical; Dry Project	X	X	X
Kinstad, Laura	Wet; Operator		X	
Kirschenmann, Harley	SMQA; Staff Engineer	X	X	X
Kleckner, John	TRU Waste Program; AK Engineer		X	
Klein, Michael D.	Wet Combustible Residue Repack, WIPP Lead	X		
Kocol; S. M.	Ash; HRT		X	
Krenzer, Bob	Dry Residues, Engineer	X	X	
Krupp, Gene	LATA/TRU Waste Project	X	X	
Leifer, John	GTSD/TRU Waste Project	X	X	X
Lenarcic, Ken	Traffic; Traffic Manager			X
Lewis, Leslie	TRU Projects	X		X
Liken, David	Wet; Operator		X	
Lopez, D. J.	Wet Comb; Process Spec		X	
MacLeod, Adrienne	Wet; Drum Tracker/Operator		X	

RFETS PERSONNEL CONTACTED DURING AUDIT A-00-12				
NAME	ORG/TITLE	PREAUDIT MEETING	CONTACTED DURING AUDIT	POST-AUDIT MEETING
Malloy, Randy	Dry Residues; SME/AK-Dry	X	X	X
Martin, E. Ray	Material Stewardship; Mgr		X	
Mattson, Martin	Metrology, Tech Support		X	
Mazza, Yvonne	559 Labs; Metals Chemist	X	X	X
McGavin, Andrew	Source One; Manager	X	X	X
Mcguire, Niles	Ash; Tech Support		X	X
McInroy, Larry	SAIC/NDA; Data Mgt Mgr		X	
McKinney, Ruth	Source One; Program Manager	X	X	X
McLellan, Jeana	SOM; Sup WRC Micrographics	X	X	
Morse, Joan	Waste Systems; Sys Analyst		X	
Mullen, Chuck	Repack SME		X	
Muscatello, Tony	LANL/KH; NDA Liaison		X	
Nicholson, M. R.	SWO; Process Spec.		X	
Nishimoto, Gregg	DOE/RFFO; RFFO Residue Program	X		
Nolan, Cliff	Labs; Lab Tech		X	
Nolan, Thomas C.	LIMS Admin; 559 LIMS Admin		X	
O'Leary, Jerry	KH/TRU Waste Project Manager	X	X	X
Onderco, Kate	MS/Trng and Qual Coord	X	X	
Papp, Michael J.	Waste Systems (AK); Principal Engineer		X	
Pelz, Greg	Ash; HRT		X	
Peterson-Wright, Laurie	LATA; 707 Closure, Ash	X		

RFETS PERSONNEL CONTACTED DURING AUDIT A-00-12				
NAME	ORG/TITLE	PREAUDIT MEETING	CONTACTED DURING AUDIT	POST-AUDIT MEETING
	Project			
Phillips, Karen	SSOC/TRU Waste; Senior Principal Engineer	X	X	X
Pigeon, Paul	Material Stewardship/Training Programs; TWCP Training Officer	X	X	X
Pitts, Mark A.	Wet Comb; Supervisor		X	
Pizzuto, Vic	KH; 707 Closure	X		
Plankinton, Mike	KH; Ash/Dry Project	X	X	X
Putnam, Thomas	WC&O/Weston/ Waste Certification	X	X	X
Rademacher, Ted A.	Dry Repack; Operator		X	
Rampe, John	RFFO/DAMEI			X
Reynolds, Joe	B559 Labs; LPQAO	X	X	X
Rieber, Kim	IRM; Project Manager	X	X	X
Rivera, Mike	LATA; Orphan TRU Waste Program	X		
Robbins, Elver	DOE/RFFO/QPD			X
Robledo, Ron	CTS/RMRS; Environmental Engineer			X
Rodgers, Alan	KH/WM; Mgr.			X
Rodgers, Gail	Dry Repack; Project Spec.		X	X
Rolston, Greg	Informatics; Ash Project	X		
Ryan, John T.	Wet Comb; Foreman-Tech I		X	
Sayre, Leslie A.	Dry Residues, Production Manager	X	X	
Schafer, Steve	Wastren/RMRS/Waste Systems; Env Scientist		X	

RFETS PERSONNEL CONTACTED DURING AUDIT A-00-12				
NAME	ORG/TITLE	PREAUDIT MEETING	CONTACTED DURING AUDIT	POST-AUDIT MEETING
Schierlon, John	LATA; GGTP Technical Supervisor	X	X	
Seipp, Doug	RRT Labs		X	
Sendelweck, Vivian	TRU Programs; AK Engineer	X	X	X
Seyfert, Warren	DOE/RFFO; ESD	X		
Sgrignoli, R. D.	Wet Comb; Deputy Proj Lead		X	
Shekell, Grace	Ash; D&D		X	
Shepley, Todd	Canberra; NDA Operator		X	
Sherrill, Dee	KH, Mgr/Measurements	X		X
Simmons, Bill	SSOC/Labs; Chemist			
Singh, Michael J.	Wet Comb PM	X	X	
Small, Bernard	Dry Repack; RRT		X	
Smart, Kim	KH/IRM; Manager		X	X
Smith, Linda C.	KH/Quality Program Mgr	X		
Smith, Scott	TWCP; AK Env Eng		X	X
Sorenson, Tim	Dry Repack; Operator		X	
Starks, Jerome	Dry Repack; Operator		X	
Sterkel, Scott L.	RRT Labs		X	
Stewart, Daniel L.	Residue QAE	X	X	X
Stewart, Judith	NDA QA; QA/QC Engineer		X	X
Thorualdson, Bill	707 Closure; Ash Project	X	X	X
Tressell, John	MSQA; TRU Waste QA, PQAO Alternate	X	X	
Turner, Charles A.	Laboratory Manager	X	X	X

RFETS PERSONNEL CONTACTED DURING AUDIT A-00-12				
NAME	ORG/TITLE	PREAUDIT MEETING	CONTACTED DURING AUDIT	POST-AUDIT MEETING
Twiford, C. S. (Terry)	MGSS; Ops		X	
Tyler, Reg	DOE/RFFO; ER/WM Team Lead	X		X
VanFleet, D. L.	Ash; D&D/Proc Shc		X	
Wachter, Joe	Canberra, NMC SME	X	X	X
Watkins, Jeanette L.	441 Traffic; Sr Spec, Alt TCO			X
West, John	SSOC/Rad Labs; Chemist		X	
Wood, Justin	Ash; D&D		X	
Xuan, Lam	DOE/RFFO/ERWM; WIPP Coordinator	X		X
Zodrow, Charles	IRM; Project Lead		X	

Personnel Contacted During Audit A-00-12 by Area

Site Project Office Process Reviews	John Tressell Carol Ferrera Eric D'Amico Jim Ferguson
Wet Combustible Residue Repackaging	R. D. Sgrignoli S. DeSalle J. Carter Michael J. Singh Gene Krupp Adrienne MacLeod Laura Kinstad Mark Jones David Liken Frank C. Hoelzle, III Rob A. Fairchild Mark A. Pitts
Dry Residue Repackaging	Randy Malloy Leslie A. Sayre Donald A. Blunn Gail Rodgers Jim Ferguson Randy Keyser Leonard A. Atencio Ted A. Rademacher Tim Sorenson Bernard Small Jerome Starks Mike Plankinton

RFETS PROCEDURES AUDITED FOR A-00-12		
No.	Procedure Number	Title
1	PRO-822-DR&V-371, Revision 0, DC-01	Data Review & Verification of Wet Combustible Residue Batch Reports
2	PRO-823-REPACK-371, Revision 0, DC-06	Combustible Residue Repackaging
3	PRO-964-CAN REPACK- 371, Revision 0	Wet Combustible Residue Repacking, Room 3515
4	RS-020-018, Revision 1, DC-01	Combustible Residue Repackaging Process Control Plan
5	PRO-X32-RS-0128, Revision 6, DC-01	Dry Residue Repackaging, Building 707
6	RS-020-013, Revision 1, DC-02	Dry Residue Repacking Process Control Plan
7	95-QAPjP-0050, Revision 4, Chg 02	TRU Waste Characterization Program Quality Assurance Project Plan (TWCP QAPjP)
8	WIPP-010, Revision 6	WIPP TRU Waste Characterization Project Level Data Review and Reporting
9	PLN-97-007, Revision 7, DCF-CHG-01	TRU Waste Characterization Program Training Implementation Plan