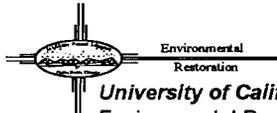


Barbara



University of California
Environmental Restoration Project, MS M992
Los Alamos, New Mexico 87545
505-667-0808/FAX 505-665-4747



U. S. Department of Energy
Los Alamos Area Office, MS A316
Environmental Restoration Program
Los Alamos, New Mexico 87544
505-667-7203/FAX 505-665-4504



Date: July 25, 1996
Refer to: EM/ER:96-409

Mr. Benito Garcia
NMED-HRMB
P.O. Box 26110
Santa Fe, NM 87502

**SUBJECT: VCA COMPLETION REPORT FOR ACTIVITIES AT TA-35,
PRs 35-009(b), (c), and (d)**

Dear Mr. Garcia:

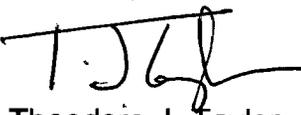
Enclosed please find two copies of the Voluntary Corrective Action Completion Report for cleanup activities in Technical Area 35, Potential Release Sites (PRs) 35-009(b), (c), and (d), completed in Fiscal Year 1996. One report is for your information and the second should go to your technical branch. The other appropriate entities within your bureau have been included on distribution. The Laboratory believes that the contents of this completion report justifies the need for no further actions at these PRs. These PRs are listed in the Hazardous and Solid Waste Amendments (HSWA) Module of the Los Alamos National Laboratory's Resource Conservation and Recovery Act operating permit. Therefore, we are asking for your concurrence in our recommendation to remove these PRs from the HSWA Module.

The Department of Energy has reviewed and approved this report and has agreed with the recommendation for no further action, and believe that these PRs should be removed from the HSWA Module. The approval form is attached to the report. The Certification of Completion has been signed and is included in the enclosed report.

If you have any questions, please call Allyn Pratt at (505) 667-4308 or Bob Simeone at (505) 667-0587.

Sincerely,


Jorg Jansen, Program Manager
LANL/ER Project

Sincerely,


Theodore J. Taylor, Program Manager
DOE/LAO

JJ/TT/bp

- Enclosures: (1) Final VCA Completion Report for TA-35, PRs 35-009-(b, c, and d)
(2) Certification of Completion
(3) DOE Approval Form



5240

Cy (w/ encs.):

D. Neleigh, EPA, R.6, 6PD-N (2 copies)
D. Griswold, AL- ERD, MS A906
J. Harry, EM/ER, MS M992
B. Hoditschek, NMED-HRMB
N. Naraine, DOE-HQ, EM-453
A. Pratt, EES-13, MS J521
M. Shaner, CIO, MS A117 (2 copies)
B. Simeone, LAAO, MS A316
T. Taylor, LAAO, MS A316
N. Weber, NMED-AIP, MS J993
J. White, ESH-19, MS K490
S. Yanicak, NMED-AIP, MS J993
RPF, MS M707

Cy (w/o encs.):

T. Baca, EM, MS J591
D. Bradbury, EM/ER, MS M992
T. Glatzmaier, DDEES/ER, MS M992
D. McInroy, EM/ER, MS M992
G. Rael, AL-ERD, MS A906
W. Spurgeon, DOE-HQ, EM-453
J. Vozella, LAAO, MS A316
EM/ER File, MS M992

**Voluntary Corrective
Action Completion
Report for**

**Potential Release Sites
35-009(b, c, and d)
Abandoned Septic Tanks**

Field Unit 4

**Environmental
Restoration
Project**

July 1996

**A Department of Energy
Environmental Cleanup Program**

Los Alamos
NATIONAL LABORATORY

LA-UR-96-2449

1.0 INTRODUCTION

This report describes the voluntary corrective action (VCA) at Potential Release Site (PRS) Nos. 35-009(b, c, and d), which are located within Los Alamos National Laboratory (the Laboratory) Technical Area (TA) -35 on Ten Site Mesa. These sites were selected for VCA because their remedies were obvious and easily implemented. The VCA removed three septic systems from service permanently, which prevents potential future environmental and safety hazards associated with the buried septic tanks.

These PRSs are included in Table A of the Environmental Protection Agency Resource Conservation and Recovery Act (RCRA), Module VIII, Hazardous and Solid Waste Amendments Permit. A RCRA facility investigation (RFI) was performed for these PRSs in 1994. They have been recommended for no further action (NFA) in an RFI report for TA-35 (LANL 1996, 54402) (hereafter referred to as the RFI report) because no RCRA constituents were released to the environment.

These three PRSs are abandoned septic systems that served TA-35 between 1951 and 1990. The septic systems handled sanitary wastes from various laboratory buildings and may have received a variety of industrial and radionuclide-contaminated wastes. This VCA included the removal and disposal of the septic tank contents and the abandonment of the tanks by filling them with concrete.

Figures 1-1, 1-2, and 1-3 show the location of each PRS. The sites and their history are described in the RFI report and the VCA plan (LANL 1996, 54402; LANL 1996, 52894).

2.0 SITE CHARACTERIZATION PRIOR TO REMOVAL

2.1 Field Activities

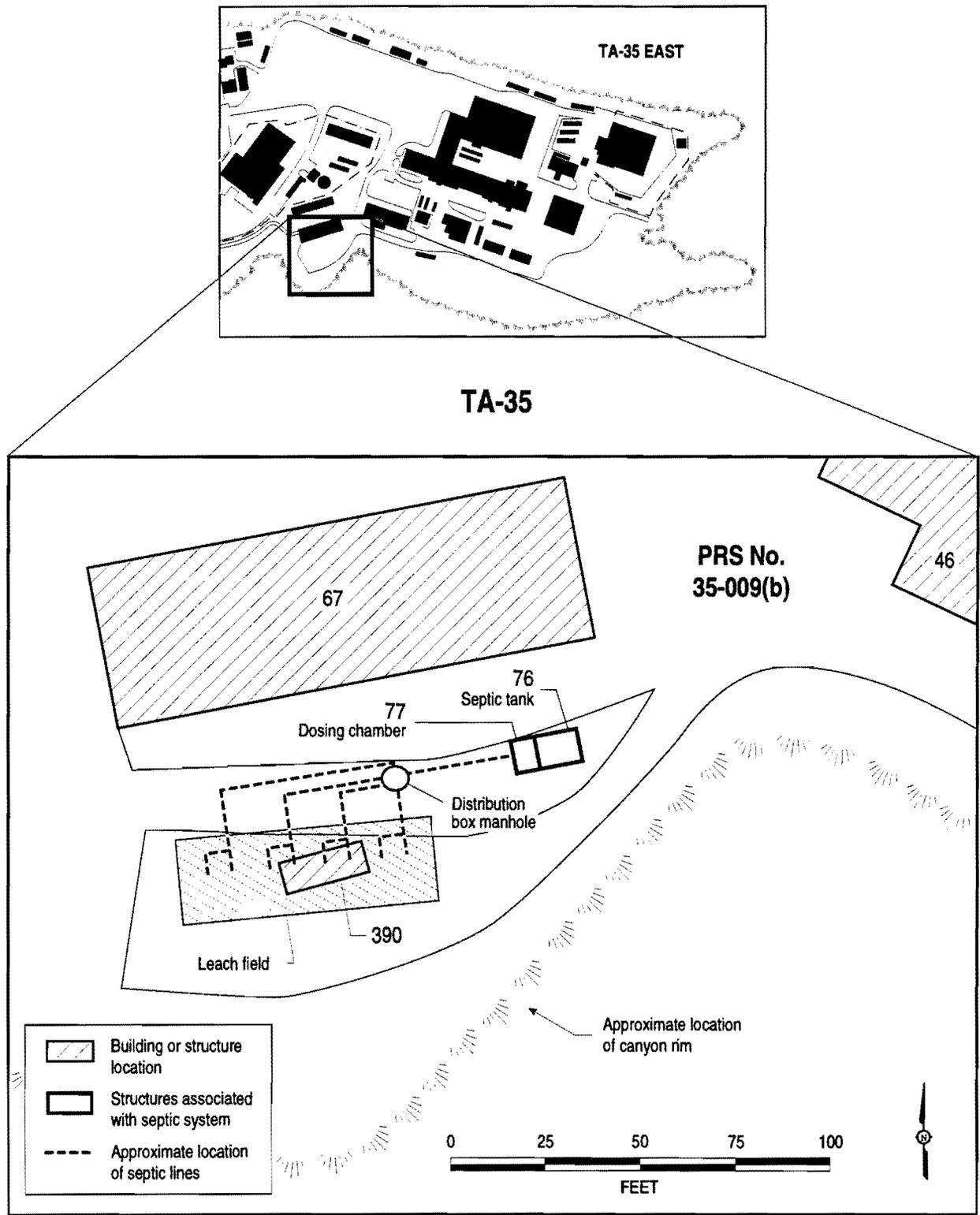
The *RFI Work Plan for Operable Unit 1129* (LANL 1992, 7666) outlines the RFI activities for PRS Nos. 35-009(b, c, and d). The field activities are described in the RFI report and the VCA plan (LANL 1996, 54402; LANL 1996, 52894); the sample analysis results are presented in the RFI report.

2.2 Nature and Extent

The RFI determined that no release to the environment had occurred from these PRSs. The contents of the septic tanks were characterized for waste disposal purposes and included low levels of RCRA hazardous constituents and New Mexico regulated special wastes.

2.3 Risk Assessment

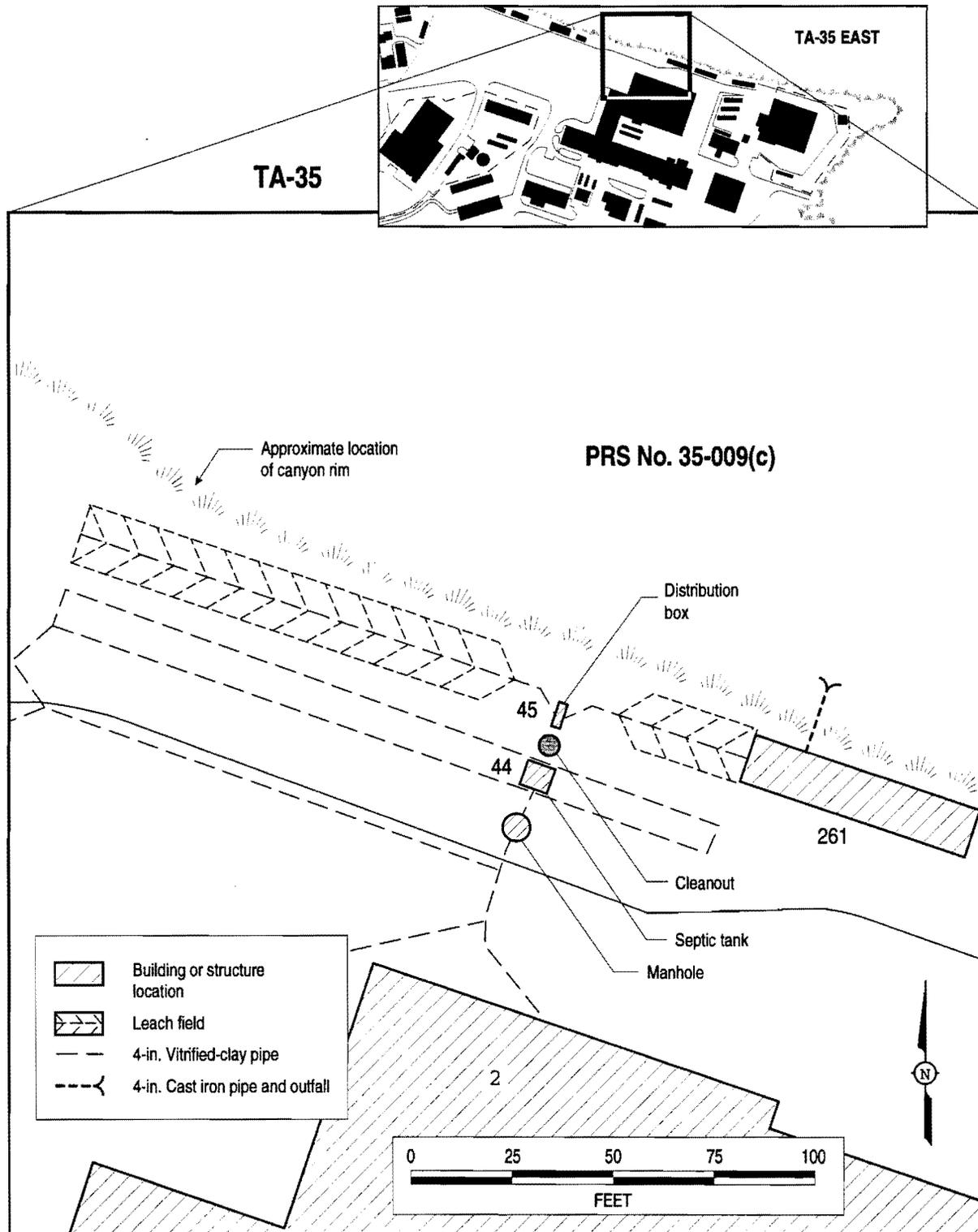
PRS Nos. 35-009(b, c, and d) are located on DOE-owned land, which is removed from public access roads. In the foreseeable future, the land is anticipated to be used exclusively for Laboratory (industrial) operations (LANL 1994, 53451). This VCA was driven by the human health and safety considerations for leaving empty underground structures in place. These sites are located in an area that is highly industrialized; therefore, the tanks and associated structures were made to withstand future industrial traffic and building or structure construction. Because the VCA was not conducted in response to known or potential releases, no cleanup levels were needed or applicable outside the septic tanks.



Source: LANL ENG-C39519

F1-1 / VCA RPT 35-009(b,c,d) / 062796

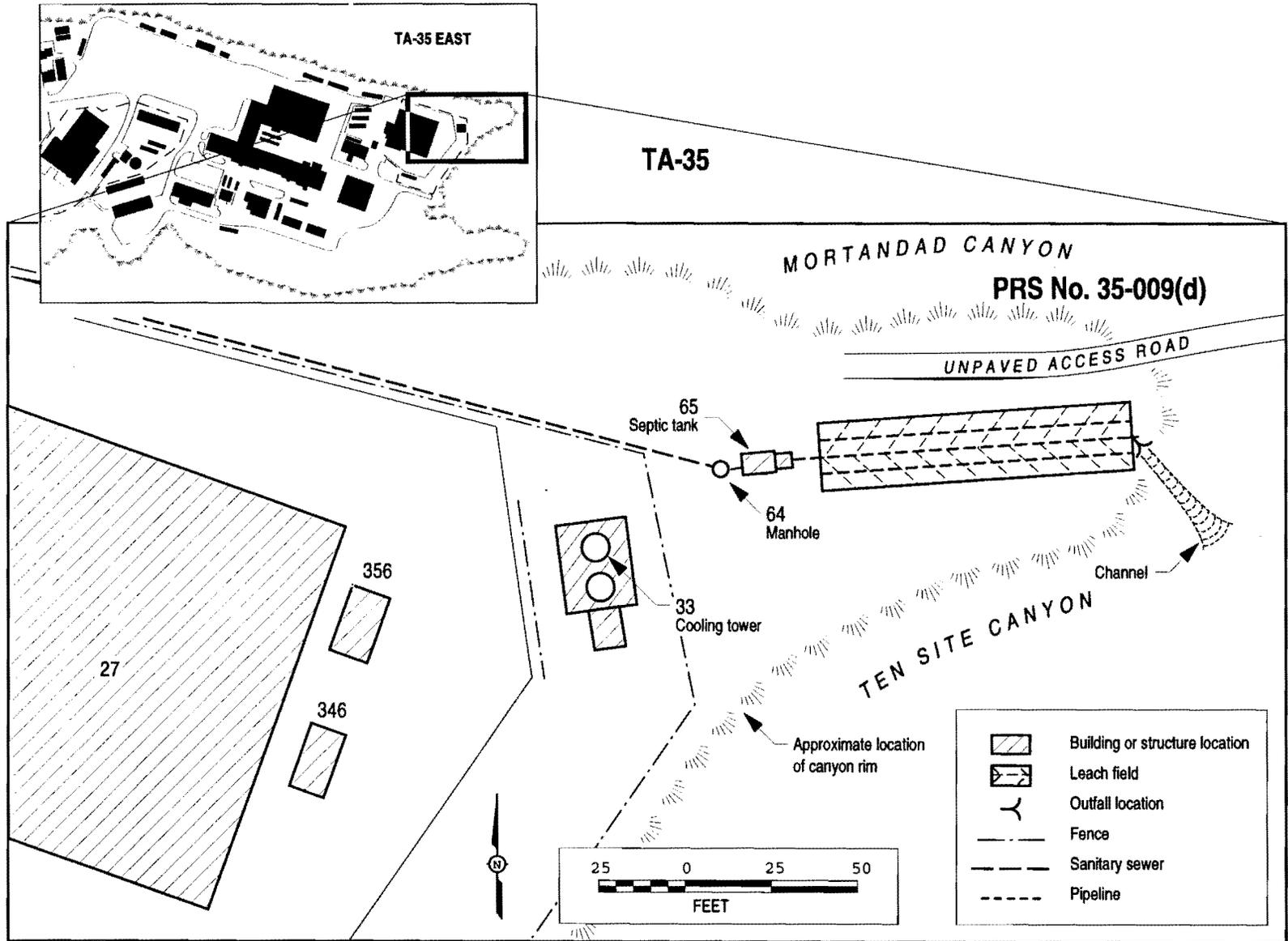
Figure 1-1. Location map for PRS No. 35-009(b).



Source: LASL 1960 (ENG C-29305), JCI 1991

F2 / VCA RPT 35-009(b,c,d) / 062796

Figure 1-2. Location map for PRS No. 35-009(c).



Source: LASL 1963 (LA-EY-C-2 Sh. 2 of 170), JCI 1991

F3 / VCA RPT 35-009(b,c,d) / 062796

Figure 1-3. Location map for PRS No. 35-009(d).

3.0 REMEDIAL ACTIVITIES

The VCA was performed on March 21 through March 25, 1996, following the VCA plan (LANL 1996, 52894) and in accordance with the New Mexico Uniform Plumbing Code I-11. The contents of the tanks were removed using a vacuum suction truck and a high-powered vacuum "guzzler" truck, which helped to remove the sludge from the tanks. After the contents were removed, the tanks were pressure sprayed and rinsed with fresh water; the rinse water was also removed using the vacuum suction truck. The vacuum suction trucks transported the liquid and sludge to the appropriate off-site waste disposal facility, as discussed in Section 4.0. The septic tanks and associated structures (distribution box, dosing chamber, and manholes) were then left in place and filled with a total of 38 yd of concrete.

No confirmatory sampling or site restoration was required during this VCA.

4.0 WASTE MANAGEMENT

No deviations occurred from the waste management activities outlined in the VCA plan (LANL 1996, 52894).

4.1 Types and Volumes of Waste

Most of the waste associated with the VCA was the liquid and sludge contents of the septic tanks. On March 29, 1996, the waste was accepted and transported by Rollins Chempak, Inc., to the Rollins Highway 36 RCRA waste disposal facility at Deer Trail, Colorado.

The small amount of personal protective equipment that was generated during the VCA was characterized as nonhazardous, nonradioactive, municipal waste and was disposed of at the Los Alamos County landfill.

Tables 4.1-1, 4.1-2, and 4.1-3 show the estimated and actual waste volumes that were generated for each septic system. Because the waste had been conservatively estimated to be the entire volume of each tank, the actual amount (2,600 gal.) was significantly less than the estimated amount (4,490 gal.).

TABLE 4.1-1

TOTAL WASTE FOR PRS No. 35-009(b)

Item	Waste Type	Estimated Volume	Actual Volume
Personal protective equipment	Solid	One 5-gal. pail	Partial 5-gal. pail
Liquid, sludge, and decontamination water	Liquid	1,500 gal.	1,350 gal.

TABLE 4.1-2

TOTAL WASTE FOR PRS No. 35-009(c)

Item	Waste Type	Estimated Volume	Actual Volume
Personal protective equipment	Solid	One 5-gal. pail	Partial 5-gal. pail
Liquid, sludge, and decontamination water	Liquid	1,290 gal.	700 gal.

TABLE 4.1-3
TOTAL WASTE FOR PRS No. 35-009(d)

Item	Waste Type	Estimated Volume	Actual Volume
Personal protective equipment	Solid	One 5-gal. pail	Partial 5-gal. pail
Liquid, sludge, and decontamination water	Liquid	1,700 gal.	550 gal.

4.2 Waste Characterization Data

Before beginning the VCA, the waste from the septic tanks was characterized according to the approved Waste Characterization Strategy Form (WCSF) using RFI data, which is contained in the RFI report (LANL 1996, 54402). Waste Profile Forms (WPFs) were generated, and the WCSF and WPFs were attached to the VCA plan (LANL 1996, 52894). The waste from PRS Nos. 35-009(b and c) was classified as nonradioactive hazardous waste. The waste from PRS No. 35-009(d) was classified as nonradioactive New Mexico special waste. At the time of the VCA, the wastes were segregated according to waste type. The WPFs for the contents of the three septic tanks and the personal protective equipment are attached to this VCA report.

5.0 REFERENCES

LANL (Los Alamos National Laboratory), May 1992. "RFI Work Plan for Operable Unit 1129," Los Alamos National Laboratory Report LA-UR-92-800, Los Alamos, New Mexico. (LANL 1992, ER ID Number 7666)

LANL (Los Alamos National Laboratory), 1994. "Site Development Plan: Annual Update 1994," Los Alamos National Laboratory Publication LALP-94-21, Los Alamos, New Mexico. (LANL 1994, ER ID Number 53451)

LANL (Los Alamos National Laboratory), March 1996. "Quality Assurance Project Plan Requirements for Sampling and Analysis," Los Alamos National Laboratory Report LA-UR-96-441, Los Alamos, New Mexico. (LANL 1996, ER ID Number 53450)

LANL (Los Alamos National Laboratory), March 1996. "Voluntary Corrective Action Plan for Potential Release Sites 35-009(b) 35-009(c) 35-009(d)," Los Alamos National Laboratory Report LA-UR-96-990, Los Alamos, New Mexico. (LANL 1996, ER ID Number 52894)

LANL (Los Alamos National Laboratory), May 1996. "RFI Report for Potential Release Sites 35-003(h, j, and k) 35-004(b) 35-008 35-009(a through d) 35-014(a, b, d, e₁, e₂, and f) 35-015(b) 35-016(e, f, and i)," Los Alamos National Laboratory Report LA-UR-96-1293, Los Alamos, New Mexico. (LANL 1996, ER ID Number 54402)

6.0 APPENDICES

A. Quality Assurance/Quality Control

The Environmental Restoration Project *Quality Assurance Project Plan Requirements for Sampling and Analysis* (LANL 1996, 53450) was followed throughout the VCA.

B. RFI Characterization Data

PRS Nos. 35-009(b, c, and d) have been recommended for NFA in the RFI report, which contains the analytical results.

C. Before and After Cost Comparison

Table 6-1 shows the estimated and actual costs for completing the VCA.

TABLE 6-1
COST WORKSHEET

Category	Estimated Cost	Actual Cost
Field Preparation		
VCA plan preparation	\$5,000	\$4,000
VCA plan technical edit and review	\$1,000	\$2,000
Preparation of waste characterization form	\$1,400	\$2,500
Preparation of Stormwater Pollution Prevention Plan	\$1,050	\$1,000
Preparation of Spill Prevention, Control, and Countermeasures Plan	\$1,050	\$1,000
Preparation of site-specific health and safety plan	\$2,800	\$2,800
Subtotal	\$12,300	\$14,300
Personnel Costs		
Field Team (field team leader, site safety officer, and two technicians)	\$5,000	\$3,000
Subtotal	\$5,000	\$3,000
Field Activities		
Subcontractor (vacuum truck)	\$1,500	\$3,155
Subcontractor (concrete)	\$2,500	\$2,470
Subcontractor (concrete boom truck)	\$500	\$415
Subcontractor (transportation and disposal of waste)	\$10,000	\$6,416
Subtotal	\$14,500	\$12,456
Analytical Costs for Waste Disposal		
Radiological van	\$2,000	\$1,000
Subtotal	\$2,000	\$1,000
Final Activities		
Acceptance inspection	\$500	\$500
Final report preparation	\$8,000	\$7,000
Final report technical edit and review	\$1,500	\$2,500
Subtotal	\$10,000	\$10,000
Total	\$43,800	\$40,756

D. Confirmatory Sampling Results Table

No confirmatory sampling was required during this VCA.

E. Certificate of Completion

The signed Certificate of Completion and Voluntary Corrective Action (VCA) Completion Report Approval/Disapproval Form are attached.

Certificate of Completion

I certify that all the work pertaining to the voluntary corrective action (VCA) conducted at PRS Nos. 35-009(b), 35-009(c) and 35-009(d) has been completed in accordance with the Department of Energy approved VCA plan entitled VCA Plan for PRSs 35-009(b), 35-009(c), 35-009(d) Abandoned Septic Tanks, Field Unit 4, Environmental Restoration Project, March 1996, LA-UR-96-990. Based on my personal involvement or inquiry of the person or persons who managed this cleanup, a review of all data gathered, and a visit to the site, to the best of my knowledge and belief, all criteria of the plan have been met or exceeded. I believe that the completion of these VCAs is protective to both human health and the environment. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.



Allyn Pratt
Field Unit Four Project Leader
Environmental Restoration Project
Los Alamos National Laboratory

12 APR 96

Date

**VOLUNTARY CORRECTIVE ACTION (VCA) COMPLETION REPORT
APPROVAL/DISAPPROVAL FORM**

PRS(s) 35-009(b, c, and d)

The undersigned have reviewed the VCA Completion Report and believe that the intent and goals of the VCA plan have been met.

FPL 

Date 7/16/96

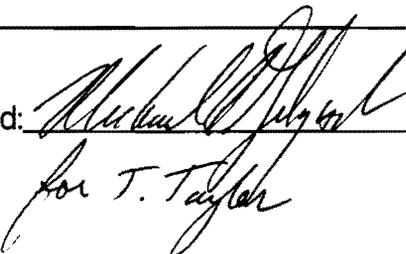
FPC 
for R. Simlerne

Date 7/16/96

I, Theodore J. Taylor, DOE-LAAO, **APPROVE** the accompanying Voluntary Correction Action Report for PRS(s) 35-009 (b, c, d), TA-35.

I, Theodore J. Taylor, DOE-LAAO, **DO NOT APPROVE** the accompanying Voluntary Correction Action Report for PRS(s) _____, TA-_____.

The following reasons reflect the decision for disapproval:

Signed: 
for T. Taylor

Date: 7/16/96

7.0 ATTACHMENTS

The approved Waste Profile Forms are attached.

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LOS ALAMOS NATIONAL LABORATORY WASTE PROFILE SYSTEM

WPF #: 23238

05-Mar-1996 01:13 AM

p.1

Generator: PRATT, ALLYN	MS : J521	PH: 79768	Z#: 099718
WMC: DAYMON, DEBA	MS : M327	PH: 6621398	Z#: 117207
CSR: WINCH, MARY JANE	MS : J593	PH: 75905	Z#: 114734
Status: ACTIVE	Activated Date: 04-MAR-96	Expired Date: 05-MAR-97	
Account Info-CC: 5613	PC: MA4X	CA: 5502	WP: 6000 VI:
Group: EMER	TA: 35	BLDG: 000067	ROOM: 0

RMMA : N/A
Waste Accumu : N/A
Method of Char : **ANALYSIS ATTACHED**

Waste Type : **PROCESS WASTE/SPENT CHEMICAL**
Waste Classes: **NON-RADIOACTIVE**
ONE TIME GENERATION
WASTE WATER
Assoc Docum: N/A
Waste Category: **SOLVENT**
Waste Sources : **REMEDATION**
SANITARY SLUDGE
Waste Matrix : **AQUEOUS LIQUID**
Matrix Type : **HOMOGENEOUS**
Waste/Proc Desc : **LIQUID WASTE CONTENTS OF SANITARY SEPTIC SYSTEM PRS 35-009(B). SYSTEM WAS IN OPERATION BETWEEN MID 1950'S AND 1991. WASTESTREAM CONSISTS OF SYSTEM CONTENTS (LIQUID/SEDIMENT). DIRECT SAMPLING RESULTS ATTACHED. SYSTEM IS LOCATED JUST SOUTH OF TA-35-67. SEPTIC TANK STRUCTURE NUMBER IS TA-35-76. WASTESTREAM VOLUME IS ESTIMATED AT ~ 1000 GALLONS.**

Ignitability : **NOT IGNITABLE**

Corrosivity : **6.1 - 9.0**

Reactivity : **NON REACTIVE**

Boiling Point : **GREATER THAN 95 DEGREES F.**

Toxicity Characteristic Metals :

Contaminant	LTR	Min	Max	Unit	Method
ARSENIC	Y				TOTA
BARIUM	Y				TOTA
LEAD	Y				TOTA

Toxicity Characteristic Organic Compounds: N/A

Additional Chemical Constituents and Contaminants :

Constituent	CAS NO	MIN	MAX	UOM
1,1,1-TRICHLOROETHANE		.063	.063	PPM
1,1,2-TRICHLORO-1,2,2-TRIFLUORO ETHANE (FREON)		.0057	.0057	PPM
1,1-DICHLOROETHANE		.098	.098	PPM
CHLOROETHANE		.023	.023	PPM

LOS ALAMOS NATIONAL LABORATORY
WASTE PROFILE SYSTEM
WPF #: 23238

05-Mar-1996 01:13 AM

p.2

LIQUID (WATER)	95	98	%
SOLID (SEDIMENT)	2	5	%

Radiological Characteristics : N/A

Waste Water Contaminants :

Contaminant	LTR	Min	Max	Unit	Method
COPPER	Y				TOTA

Maximum daily flow when discharge occurs: 1000 GAL

Average daily flow when discharge occurs: 1000 GAL

Estimated number of days discharge will occur: 1

WASTE CHARACTERIZATION INFORMATION

Radioactivity Category : NON-RADIOACTIVE

Waste Classification : HAZARDOUS WASTE

EPA Hazardous Waste Code : F002

**LOS ALAMOS NATIONAL LABORATORY
WASTE PROFILE SYSTEM
WPF #: 23240**

05-Mar-1996 01:13 AM

p.1

Generator : PRATT, ALLYN MS : J521 PH : 79768 Z# : 099718
 WMC : DAYMON, DEBA MS : M327 PH : 6621398 Z# : 117207
 CSR : WINCH, MARY JANE MS : J593 PH : 75905 Z# : 114734
 Status : ACTIVE Activated Date : 04-MAR-96 Expired Date : 05-MAR-97
 Account Info-CC : 5613 PC : MA4X CA : 5502 WP : 6000 VI :
 Group : EMER TA : 35 BLDG : 000261 ROOM : 0

RMMA : N/A
 Waste Accumu : N/A
 Method of Char : ANALYSIS ATTACHED

Waste Type : PROCESS WASTE/SPENT CHEMICAL
 Waste Classes : NON-RADIOACTIVE
 ONE TIME GENERATION
 WASTE WATER
 Assoc Docum : N/A

Waste Category : SOLVENT

Waste Sources : REMEDIATION

Waste Matrix : AQUEOUS LIQUID

Matrix Type : HOMOGENEOUS

Waste/Proc Desc : LIQUID WASTE CONTENTS OF SANITARY SEPTIC SYSTEM PRS 35-009(C). SYSTEM WAS IN OPERATION BETWEEN MID 1950'S AND 1991. WASTESTREAM CONSISTS OF SYSTEM CONTENTS (LIQUID). DIRECT SAMPLING RESULTS ATTACHED. SYSTEM IS LOCATED JUST W OF TA-35-261. SEPTIC TANK STRUCTURE NUMBER IS TA-35-44. WASTESTREAM VOLUME IS ESTIMATED AT 650 GALLONS.

Ignitability : NOT IGNITABLE

Corrosivity : 6.1 - 9.0

Reactivity : NON REACTIVE

Boiling Point : GREATER THAN 95 DEGREES F.

Toxicity Characteristic Metals : N/A

Toxicity Characteristic Organic Compounds : N/A

Additional Chemical Constituents and Contaminants :

Constituent	CAS NO	MIN	MAX	UOM
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE (FREON)		0	.15	PPM
1,1-DICHLOROETHANE		0	.0059	PPM
IRON		14	14	PPM
LIQUID (WATER)		99	100	%
SOLIDS (SEDIMENT)		0	1	%

Radiological Characteristics : N/A

Waste Water Contaminants : N/A

Maximum daily flow when discharge occurs: 650 GAL

Average daily flow when discharge occurs: 650 GAL

Estimated number of days discharge will occur: 1

LOS ALAMOS NATIONAL LABORATORY
WASTE PROFILE SYSTEM
WPF #: 23240

05-Mar-1996 01:13 AM

p.2

WASTE CHARACTERIZATION INFORMATION

Radioactivity Category : **NON-RADIOACTIVE**

Waste Classification : **HAZARDOUS WASTE**

EPA Hazardous Waste Code : **F002**

**LOS ALAMOS NATIONAL LABORATORY
WASTE PROFILE SYSTEM
WPF #: 23239**

04-Mar-1996 01:12 AM

p.1

Generator : PRATT, ALLYN **MS : J521** **PH : 79768** **Z# : 099718**
WMC : DAYMON, DEBA **MS : M327** **PH : 6621398** **Z# : 117207**
CSR : WINCH, MARY JANE **MS : J593** **PH : 75905** **Z# : 114734**
Status : ACTIVE **Activated Date : 01-MAR-96** **Expired Date: 02-MAR-97**
Account Info-CC : 5613 **PC: MA4X** **CA : 5502** **WP : 6000** **VI :**
Group : EMER **TA : 35** **BLDG. : 000033** **ROOM: 0**

RMMA : N/A
Waste Accumu : N/A
Method of Char : ANALYSIS ATTACHED

Waste Type : PROCESS WASTE/SPENT CHEMICAL
Waste Classes: NON-RADIOACTIVE
ONE TIME GENERATION
WASTE WATER
Assoc Docum: N/A

Waste Category: NOT APPLICABLE

Waste Sources : REMEDIATION
SANITARY SLUDGE

Waste Matrix : AQUEOUS LIQUID

Matrix Type : HOMOGENEOUS

Waste/Proc Desc : LIQUID WASTE CONTENTS OF SANITARY SEPTIC SYSTEM PRS 35-009(D). SYSTEM WAS IN OPERATION BETWEEN MID 1950'S AND 1991. WASTESTREAM CONSISTS OF SYSTEM CONTENTS (LIQUID). DIRECT SAMPLING RESULTS ATTACHED. SYSTEM IS LOCATED E OF TA-35-33. SEPTIC TANK STRUCTURE NUMBER IS TA-35-64. WASTESTREAM VOLUME ESTIMATE IS ~ 300 GALLONS.

Ignitability : NOT IGNITABLE

Corrosivity : 6.1 - 9.0

Reactivity : NON REACTIVE

Boiling Point : GREATER THAN 95 DEGREES F.

Toxicity Characteristic Metals :

Contaminant	LTR	Min	Max	Unit	Method
LEAD	Y				TOTA
SILVER	Y				TOTA

Toxicity Characteristic Organic Compounds: N/A

Additional Chemical Constituents and Contaminants :

Constituent	CAS NO	MIN	MAX	UOM
LIQUID (WATER)		99	100	%
SOLID (SEDIMENT)		0	1	%

Radiological Characteristics: N/A

Waste Water Contaminants : N/A
Maximum daily flow when discharge occurs: 300 GAL
Average daily flow when discharge occurs: 300 GAL
Estimated number of days discharge will occur: 1

**LOS ALAMOS NATIONAL LABORATORY
WASTE PROFILE SYSTEM
WPF #: 23239**

04-Mar-1996 01:12 AM

p.2

WASTE CHARACTERIZATION INFORMATION

Radioactivity Category : **NON-RADIOACTIVE**

Waste Classification : **NON-HAZARDOUS CHEMICAL WASTE
NEW MEXICO SPECIAL WASTE**

EPA Hazardous Waste Code : **N/A**

**LOS ALAMOS NATIONAL LABORATORY
WASTE PROFILE SYSTEM**

WPF #: 23449

16-Apr-1996 01:15 AM

(Version: 1)

p.1

Generator : PRATT, ALLYN MS : J521 PH : 74308 Z# : 099718
 WMC : DAYMON, DEBA MS : M327 PH : 6621398 Z# : 117207
 CSR : WINCH, MARY JANE MS : J593 PH : 75905 Z# : 114734
 Status : ACTIVE Activation Date : 15-APR-96 Expiration Date: 15-APR-97
 Group : EMER TA : 35 Bldg : 000000 Room: 0

RMMA : N/A
 Waste Accumu : N/A
 Method of Char : **KNOWLEDGE OF PROCESS (KOP)**

Waste Type : **PROCESS WASTE/SPENT CHEMICAL**
 Waste Classes: **NON-RADIOACTIVE**
 ONE TIME GENERATION
 Assoc Docum: N/A

Waste Category: **NOT APPLICABLE**
 Waste Sources : **REMEDATION**
 Waste Matrix : **SOLID**
 Matrix Type : **HETEROGENEOUS**

Waste/Proc Desc : **PPE (PAPER COVERALLS & NITRILE GLOVES) WORN WHILE PUMPING SANITARY SEPTIC TANKS AND POURING CONCRETE. BY ADHERING TO ADMINISTRATIVE CONTROLS AND CAREFUL WORK PRACTICES, THE PPE DID NOT COME IN CONTACT WITH THE TANK CONTENTS WHILE PUMPING AND EXPERIENCED MINIMAL CONTACT W/CONCRETE, THEREFORE REMAINING CLEAN AND DRY.**

Ignitability : **NOT IGNITABLE**
 Corrosivity : **NOT AQUEOUS**
 Reactivity : **NON REACTIVE**
 Boiling Point : **NOT APPLICABLE**

Toxicity Characteristic Metals : N/A
 Toxicity Characteristic Organic Compounds: N/A

Additional Chemical Constituents and Contaminants :

Constituent	CAS NO	MIN	MAX	UOM
PPE (PAPER COVERALLS/GLOVES)		99	100	%

Radiological Characteristics : N/A
 Waste Water Contaminants : N/A

Additional Information: RECOMMENDED DISPOSITON OF CLEAN PPE IS COUNTY LANDFILL.

WASTE CHARACTERIZATION INFORMATION

Radioactivity Category : **Non-rad Waste**
 RCRA Category : **Non-hazardous Waste**
 Misc. Category : **MUNICIPAL REFUSE**

LOS ALAMOS NATIONAL LABORATORY
WASTE PROFILE SYSTEM

WPF #: 23449

16-Apr-1996 01:15 AM

(Version: 1)

p.2

Waste Classification : MUNICIPAL REFUSE

EPA Hazardous Waste Code : N/A