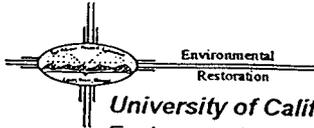


Los Alamos National Laboratory

ENVIRONMENTAL RESTORATION



University of California
Environmental Restoration, 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
Los Alamos, New Mexico 87544
505-665-7203
FAX 505-665-4504



Date: April 19, 1996
Refer to: EM/ER:96-220

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

SUBJECT: FINAL ACCELERATED CLEANUP REPORTS 09 - 010(a)
09 - 010(b)

Dear Mr. Garcia:

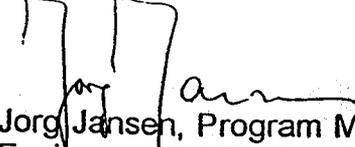
Enclosed are the final reports and Certifications of Completion for the voluntary corrective actions completed in Fiscal Year 1995. The reports with potential release sites (PRSS) listed in the Hazardous and Solid Waste Amendments (HSWA) Module of the Los Alamos National Laboratory's Resource Conservation and Recovery Act operating permit contain our request for no further action (NFA). Upon your approval of these reports, we will submit a permit modification request for NFA of these PRSS.

For PRSS not listed in the HSWA Module, reports are included as informational copies for your records.

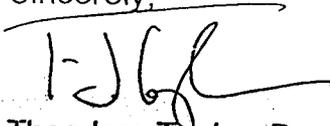
If you have any questions, please call David Bradbury at 505-665-6208.

Thank you for your timely attention to this matter.

Sincerely,


Jorg Jansen, Program Manager
Environmental Restoration

Sincerely,


Theodore Taylor, Program Manager
Los Alamos Area Office

JJ/TT/rfr



3339

April 19, 1996

- Enclosures: (1) Final Reports for HSWA: C-9-001, 6-007(f), 8-005, 16-016(b), 18-001(a), 19-002, 21-013(c), 21-013(d), 21-013(e), 21-024(d), 21-024(e), 21-024(h), 31-001, 33-016, 39-007(a), and 69-001
(2) Final Reports for non-HSWA: C-0-036(a-d), C-0-041, C-10-001, C-21-027, C-36-001, 0-032, 1-001(f), 3-003(p), 3-022, 3-047(d), 3-051(c), 9-010(a-b), 16-011, 16-016(f), 20-003(c), 21-022(j), 39-002(c), 53-010, and 57-006
(3) Certifications of Completion

Cy (w/enclosures):

B. Driscoll, EPA, R.6, 6PD-N, (2 copies of HSWA)
D. Griswold, ERD, AL, MS A906
/ J. Harry, EM/ER, MS M992
B. Hoditschek, NMED-HRMB
/ R. Kern, NMED-HRMB
N. Naraine, EM-453, DOE-HQ
M. Shaner, P&PI, MS J591 (5 copies)
N. Weber, Bureau Chief, NMED-AIP, MS J993
J. White, ESH-19, MS K490
S. Yanicak, NMED-AIP, MS J993
RPF, MS M707

Cy (w/o enclosures):

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, ERD, AL, MS A906
W. Spurgeon, EM-453, DOE-HQ
T. Taylor, LAAO, MS A316
J. Vozella, LAAO, MS A316
EM/ER File, MS M992

LIBRARY COPY

**Voluntary Corrective
Action Completion
Report for**

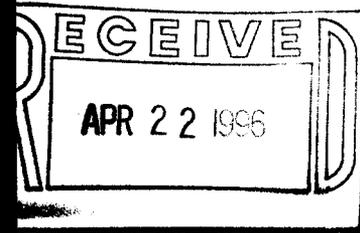
**Potential Release Sites
09-010(a)
09-010(b)**

Field Unit 5

**Environmental
Restoration
Project**

**February 26, 1996
Revision 1**

**A Department of Energy
Environmental Cleanup Project**



Los Alamos

NATIONAL LABORATORY

LA-UR-96-1123

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 Waste Container Storage Area 1
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 Potential Release Site 09-010(b),
 Waste Container Storage Area 5
 Certification of Completion 8

FIGURES

Figure 1. Location of PRS 09-010(a), Waste Container Storage Area 3

Figure 2. Location of PRS 09-010(b), Waste Container Storage Area 7

FINAL REPORT

**Voluntary Corrective Action Plan Completion Report
Potential Release Site 09-010(a)
Waste Container Storage Area**

**Environmental Restoration Project
Field Unit 5
Los Alamos National Laboratory**

February 26, 1996

**A Department of Energy
Environmental Cleanup Project**

Voluntary Corrective Action Plan Completion Report Potential Release Site 09-010(a) Waste Container Storage Area

DESCRIPTION

The Potential Release Site 09-010(a) is located within a secured, active area of the Los Alamos National Laboratory (Laboratory). It is a three-sided structure used for waste container storage in the northwest corner of TA-9-48. The structure is 11.5 feet wide by 2.5 feet deep by 6.5 feet tall. It is constructed of four steel pipe posts anchored in concrete, with a steel-grid floor suspended above ground. No secondary containment pan exists below the floor. The structure is sheathed in corrugated metal and is open to the back (north). While the site is on generally level ground, the ground immediately behind the structure drops approximately 12 feet at a slope of 2H:1V.

Potential Release Site (PRS) is a three-sided waste container storage structure that had been used to store high explosive (HE) contaminated solid waste and solvent-contaminated kimwipes. This site is not included in the Hazardous and Solid Waste Amendments (HSWA) Module of the Laboratory's Resource Conservation and Recovery Act Permit, EPA I.D. NM0890010515.

The structure was built in 1961 as a waste can shelter and is no longer in use. It was used to store HE-contaminated solid wastes from the HE machining building prior to pickup for disposal. Machining operations resulted in high explosive chips and chunks and organic solvent-contaminated kimwipes. The structure was removed and disposed of.

CORRECTIVE ACTION

The cleanup followed the approved Voluntary Cleanup Action (VCA) Plan. The location of the cleanup is shown in Figure 1. Cleanup began on July 21, 1995, and was completed on the same day.

The purpose of the VCA was to remove the metal structure because it was obsolete and no longer in use. No confirmatory sampling or removal of soil was required because previous sampling activities at the site revealed that the potential contaminants of concern were below screening action levels in the upper 12 inches of soil.

The metal container storage shelter, anchored in concrete, was removed from the ground and placed on the adjacent paved parking area. The shelter was field screened for gross alpha/beta/gamma radioactivity and volatile organic vapors using hand-held instruments. In addition, the debris was field tested for traces of HE. The field screening did not indicate the presence of radioactivity or volatile organic vapors

above background levels, and no HE was detected. All previously obtained site characterization data, as well as VCA field screening data, are available and will be provided upon request.

The shelter was loaded onto a flatbed truck and removed to the Los Alamos County Landfill for disposal. A total of 2620 pounds of metal and concrete debris was disposed of in this manner.

The removal of the steel pipes anchored in concrete resulted in open holes in the ground. These holes were filled with gravel. No other site restoration and erosion controls were implemented.

REQUEST FOR DOE CONCURRENCE

This report serves as the formal request for DOE concurrence to approve no further action for this PRS.

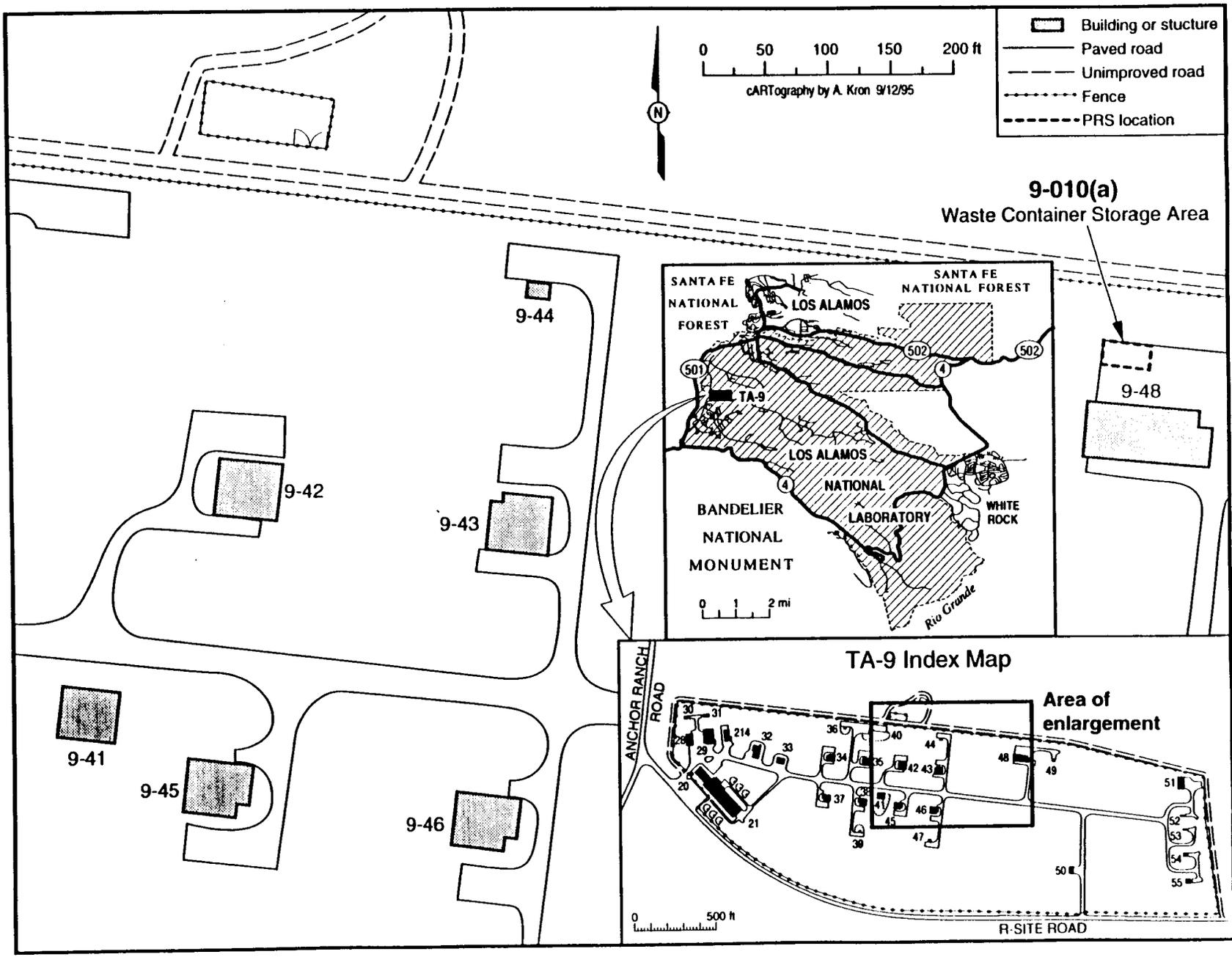
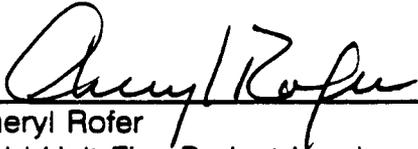


Figure 1. Location of PRS 09-010(a), Waste Container Storage Area

February 26, 1996
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CERTIFICATION OF COMPLETION

I certify that all work pertaining to the voluntary corrective action (VCA) 09-010(a) has been completed in accordance with the Department of Energy-approved VCA plan and entitled **VCA Plan for Potential Release Site 09-010(a), Waste Container Storage Area**. 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 this VCA 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.



Cheryl Rofer
Field Unit Five Project Leader
Environmental Restoration Program
Los Alamos National Laboratory

March 25 1996
Date Signed

FINAL REPORT

**Voluntary Corrective Action Plan Completion Report
Potential Release Site 09-010(b)
Waste Container Storage Area**

**Environmental Restoration Project
Field Unit 5
Los Alamos National Laboratory**

February 26, 1996

**A Department of Energy
Environmental Cleanup Project**

Voluntary Corrective Action Plan Completion Report Potential Release Site 09-010(b) Waste Container Storage Area

DESCRIPTION

The Potential Release Site 09-010(b) is located on generally level ground in a secured, active area of the Los Alamos National Laboratory (Laboratory). It is a three-sided metal structure used for waste container storage in the southwest corner of TA-9-45. The structure is 11.5 feet wide by 2.5 feet deep by 6.5 feet tall. It is constructed of four steel pipe posts anchored in concrete, with a steel-grid floor suspended above the ground. The structure is sheathed in corrugated metal and is open to the front (north). The structure includes a secondary containment pan below the floor.

Potential Release Site (PRS) is a three-sided waste container storage structure used to store solvents. This site is not included in the Hazardous and Solid Waste Amendments Module of the Laboratory's Resource Conservation and Recovery Act Permit, EPA I.D. NM0890010515.

The site was built in 1961 to store organic solvents, such as methyl sulfoxide, m-pyrol, acetone and propanol. Prior to the Voluntary Corrective Action (VCA), the solvents were stored in grounded 55-gallon drums or 5-gallon cans housed within the shed.

CORRECTIVE ACTION

The cleanup followed the approved VCA Plan. The location of the cleanup is shown in Figure 2. However, at the request of the DX-16 Deputy Group Leader, the storage structure was not replaced as originally planned. The Deputy Group Leader also arranged for the disposition of the secondary containment tray and the removal and disposition of the chemicals stored in the shelter. Cleanup began on July 21, 1995, and was completed on the same day.

The purpose of the VCA was to remove the metal structure because the storage function could be accomplished more effectively elsewhere at TA-9. No confirmatory sampling or removal of soil was required because previous sampling activities at the site revealed that the potential contaminants of concern were below screening action levels in the upper 12 inches of soil.

The metal container storage shelter, anchored in concrete, was removed from the ground and placed on the adjacent paved parking area. The shelter was field screened for gross alpha/beta/gamma radioactivity and volatile organic vapors using hand-held instruments. In addition, the debris was field tested for traces of high explosives (HE). The field screening did not indicate the presence of radioactivity or

volatile organic vapors above background levels. In addition, no HE was detected. All previously obtained site characterization data, as well as VCA field screening data, are available and will be provided upon request.

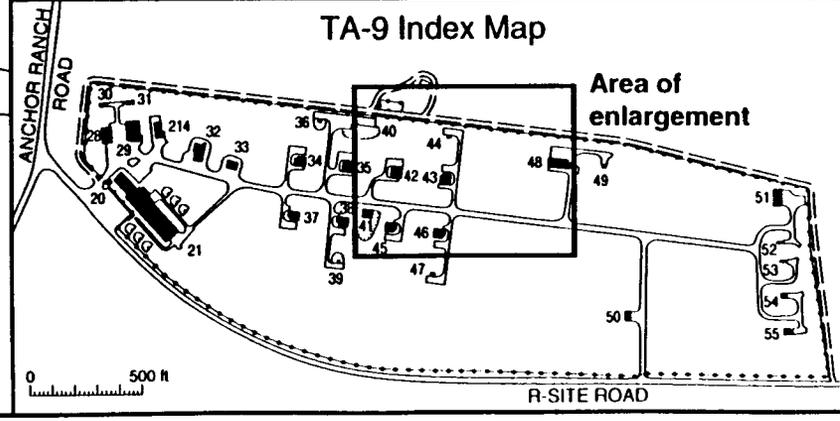
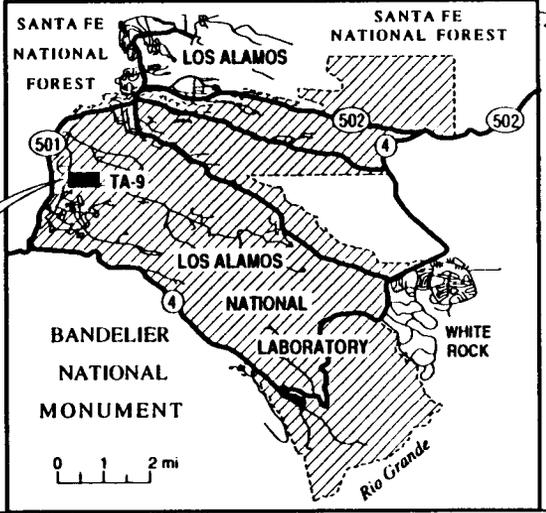
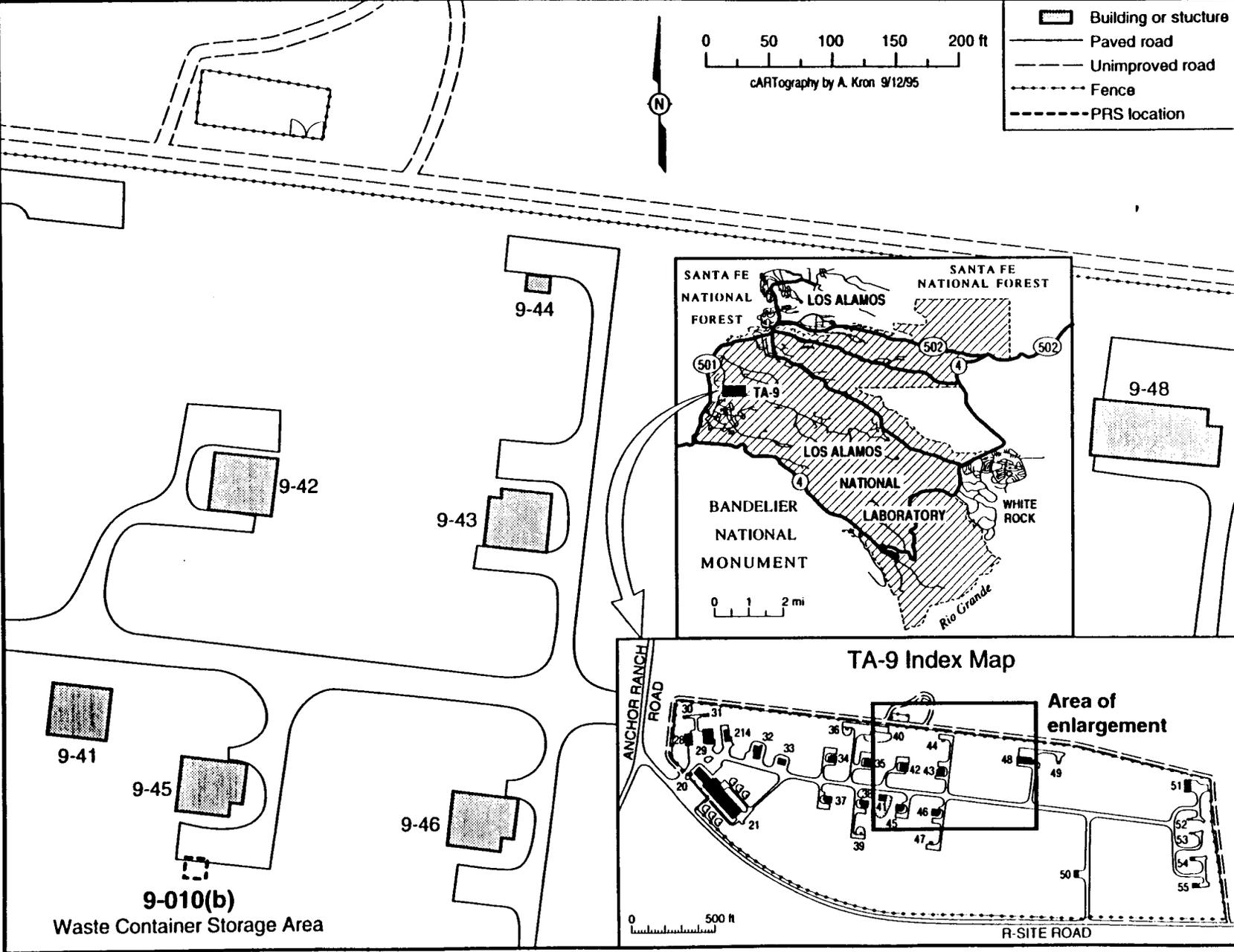
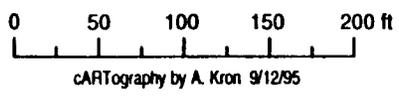
The shelter was loaded onto a flatbed truck and removed to the Los Alamos County Landfill for disposal. A total of 3100 pounds of metal and concrete debris was disposed of in this manner.

The removal of the steel pipes anchored in concrete resulted in open holes in the ground. These holes were filled with gravel. No other site restoration and erosion controls were implemented.

REQUEST FOR DOE CONCURRENCE

This report serves as the formal request for DOE concurrence to approve no further action for this PRS.

-  Building or structure
-  Paved road
-  Unimproved road
-  Fence
-  PRS location



VCA Completion Report

Figure 2. Location of PRS 09-010(b), Waste Container Storage Area

February 26, 1996
J95385 REV

CERTIFICATION OF COMPLETION

I certify that all work pertaining to the voluntary corrective action (VCA) 09-010(b) has been completed in accordance with the Department of Energy-approved VCA plan and entitled **VCA Plan for Potential Release Site 09-010(b), Waste Container Storage Area**. 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 this VCA 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.



Cheryl Rofer
Field Unit Five Project Leader
Environmental Restoration Program
Los Alamos National Laboratory

March 25, 1996
Date Signed