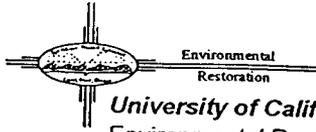


# Los Alamos National Laboratory

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 **C-310-001**

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 (PRs) 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 PRs.

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

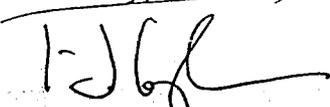
If you have any questions, please call David Bradbury at 505-665-6208.

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



2323

- 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

# Voluntary Corrective Action Completion Report for

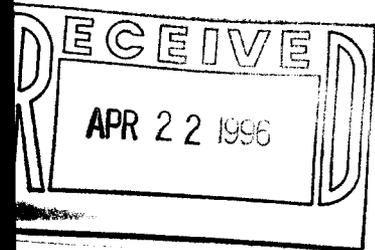
Potential Release Site  
C-36-001  
Test Containment Vessel

Field Unit 2

Environmental  
Restoration  
Project

January 1996  
Revision 1

A Department of Energy  
Environmental Cleanup Program



**Los Alamos**  
NATIONAL LABORATORY

LA-UR-96-276

## Voluntary Correction Action Completion Record Potential Release Site C-36-001 Test Containment Vessel

### DESCRIPTION

Potential Release Site (PRS) C-36-001 was a safety vessel that provided secondary containment for explosives tests. The vessel was manufactured by Melco Steel Inc. in 1970 and placed at the PHERMEX test facility at Technical Area (TA)-15. Later the vessel was moved to the I-J Firing Site near TA-36-55, where it was used until a sturdier vessel was required and built in 1983. The unused vessel remained at I-J Firing Site until it was removed in 1994. This PRS is not included in the Hazardous and Solid Waste Amendments module to the Los Alamos National Laboratory Resource Conservation and Recovery Act Permit, EPA ID NM0890010515.

The C-36-001 secondary containment vessel consisted of a 19.5 ton, 12-ft diameter steel sphere. An explosive device would be placed and detonated within a primary containment vessel (from 3 to 6 ft in diameter) placed inside the C-36-001 vessel. The explosion gases were vented through a filtration system that captured the particulates and did not allow the release of the test materials. The interior of the vessel was contaminated resulting from these tests, but the exterior remained uncontaminated.

Both the Comprehensive Environmental Assessment and Response Program Report of 1987 and the Solid Waste Management Unit Report of 1990 noted that plutonium remained in the filtration system. The filtration system is not part of PRS C-36-001 and has been disposed of at TA-54 as radioactive waste.

PRS C-36-001 was decontaminated during the effort to prepare the vessel for the disposal. The Waste Profile Form (WPF) indicates that the vessel remained contaminated with alpha activity  $<2$  nCi/g, which the Department of Transportation does not regulate for transportation purposes. Additionally, the Radioactive Waste Disposal Request (RWDR) indicates that remaining contamination on the vessel is TRU waste with activity of  $4.25 \times 10^{-7}$  Ci (+/- 50 %). Appendix A presents copies of the WPF and the RWDR.

The vessel is contaminated at low levels based on the above information, but the vessel needed to be controlled to prevent inadvertent exposure to humans or the environment in the future.

### CORRECTIVE ACTION

A voluntary corrective action (VCA) plan had not been prepared before the vessel was decontaminated and taken to TA-54, Area G.

The vessel was taken from TA-36 to TA-15-233 for initial decontamination. Subsequently the vessel was sent to the decontamination facility at TA-50 for further removal of radioactivity. The vessel was successfully decontaminated as the remaining level of radioactive contamination in the vessel is very low.

The vessel returned to a site near TA-15-285 awaiting acceptance for disposal at TA-54, Area G. On October 18, 1994, the vessel was taken to TA-54 where it was placed in Pit 38 at Area G. The vessel is being filled with radioactive waste and will be covered after it has been filled.

**APPENDIX A**  
**WASTE PROFILE FORM**  
**RADIOACTIVE WASTE DISPOSAL REQUEST**

Complete both sides of this form using a black or blue pen. Incomplete forms will be rejected. Send form to ATTN: WPF MS K490.

Division/Group <b>DX-11</b>	Telephone <b>7-7182</b>	Mail Stop <b>P942</b>	Technical Area <b>15</b>	Building <b>183</b>	Room <b>107</b>
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Method of Characterization	<input checked="" type="checkbox"/> Knowledge of Process (KOP)	- OR -	<input type="checkbox"/> Chemical/Physical Analysis (specify below)
	<input type="checkbox"/> MSDS attached (optional)		<input type="checkbox"/> Request for analysis <input type="checkbox"/> Analysis attached

Waste Categories (Choose one or more of the categories below that most accurately describes your waste.)

<input type="checkbox"/> Flammable	<input type="checkbox"/> Pesticide	<input type="checkbox"/> Photographic	<input type="checkbox"/> Spent coolant	<input type="checkbox"/> Plastics
<input type="checkbox"/> Combustible	<input type="checkbox"/> Beryllium	<input type="checkbox"/> Sanitary	<input type="checkbox"/> Aerosol cans	<input type="checkbox"/> Filter media
<input type="checkbox"/> High explosive	<input type="checkbox"/> Asbestos	<input type="checkbox"/> Radiochemistry	<input type="checkbox"/> Motor oil	<input type="checkbox"/> Vacuum filter media
<input type="checkbox"/> DOT oxidizer	<input type="checkbox"/> Solvent	<input type="checkbox"/> Paint waste	<input type="checkbox"/> Pump oil	<input type="checkbox"/> Cement paste
<input type="checkbox"/> Pyrophoric	<input type="checkbox"/> Waste rags	<input type="checkbox"/> Laboratory trash	<input type="checkbox"/> Capacitor oil	<input checked="" type="checkbox"/> Non-salvageable
<input type="checkbox"/> Cyanide	<input type="checkbox"/> Glass	<input type="checkbox"/> Metallurgic	<input type="checkbox"/> UST remediation	<input checked="" type="checkbox"/> Nonrecyclable
<input type="checkbox"/> Heavy metal	<input type="checkbox"/> Plating solution	<input type="checkbox"/> Scrap metal	<input type="checkbox"/> Contaminated soils	<input type="checkbox"/> Building debris
<input type="checkbox"/> Corrosive	<input type="checkbox"/> Etchant	<input type="checkbox"/> Medical/Biological	<input type="checkbox"/> Environmental/SWMU	<input type="checkbox"/> Firing site debris

General Description (Provide a general description of the waste and/or waste-generating process below.)

SAFETY VESSEL

Waste Description (Check only one box in each column.)

Form	Ignitability (F)	Corrosivity (pH)	Reactivity	PCBs
<input checked="" type="checkbox"/> Solid	<input type="checkbox"/> < 100°	<input type="checkbox"/> ≤ 2.0	<input type="checkbox"/> Unstable	<input type="checkbox"/> < 50 ppm
<input type="checkbox"/> Semisolid/sludge	<input type="checkbox"/> 100° to 139°	<input type="checkbox"/> 2.1 to 12.4	<input type="checkbox"/> Water reactive	<input type="checkbox"/> 50 to 500 ppm
<input type="checkbox"/> Absorbed liquid	<input type="checkbox"/> 140° to 200°	<input type="checkbox"/> ≥ 12.5	<input type="checkbox"/> Cyanides	<input type="checkbox"/> > 500 ppm
<input type="checkbox"/> Liquid	<input type="checkbox"/> > 200°	<input checked="" type="checkbox"/> Not aqueous	<input type="checkbox"/> Sulfides	<input checked="" type="checkbox"/> None
<input type="checkbox"/> Gas cylinder or vessel	<input checked="" type="checkbox"/> Not ignitable		<input type="checkbox"/> Shock sensitive	
<input type="checkbox"/> Multilayered			<input type="checkbox"/> Class A or B explosive	
<input type="checkbox"/> Suspended solids			<input checked="" type="checkbox"/> Nonreactive	
<input type="checkbox"/> Powder or ash				

<p>Waste Origination</p> <p>A. Is this waste generated in a radiation controlled area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>B. If yes, is the waste generated or accumulated in a properly defined, registered radioactive materials management area (RMMA)? (RMMA # _____) <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>C. If the answer to question A is yes and you have determined that your waste is nonradioactive, provide justification in the additional comments section on the reverse side of this form.</p>	<p>Radioactivity <input type="checkbox"/> Nonradioactive</p> <p><input type="checkbox"/> Suspect <input checked="" type="checkbox"/> Radioactive</p> <p>Activity Measure: <input checked="" type="checkbox"/> ≤ 2.0 nCi/g <input type="checkbox"/> &gt; 2.0 nCi/g <input type="checkbox"/> &gt; 10.0 nCi/g <input type="checkbox"/> &gt; 100.0 nCi/g</p> <p>Radiation Type: <input checked="" type="checkbox"/> alpha <input type="checkbox"/> gamma <input type="checkbox"/> beta</p> <p><input type="checkbox"/> t<sup>1/2</sup> &lt; 20 yr <input type="checkbox"/> t<sup>1/2</sup> ≥ 20 yr</p>
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**WASTE GENERATOR CERTIFICATION:** Based on my knowledge of the waste and/or chemical/physical analysis, I certify that the information on this form is correct. I understand that this information will be made available to regulatory agencies and that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Waste Generator's Name (last, first, middle) <b>BURNS MICHAEL</b>	Z Number <b>092935</b>	Signature <b>M Burns</b>	Date <b>20 APR '94</b>
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If your waste management coordinator is the custodian of your waste management documentation, provide the name and mail stop of this person (optional). →	Name (last, first, middle) <b>DEPAULIS STEPHEN J</b>	Mail Stop <b>P942</b>
-----------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------	--------------------------

**Toxic Metals** (Indicate if any of the following toxic metals are present in your waste at the posted concentrations.)

arsenic	<input checked="" type="checkbox"/> None	<input type="checkbox"/> <5.0 ppm	<input type="checkbox"/> ≥5.0 ppm	<input type="checkbox"/> TCLP	<input type="checkbox"/> Other
barium	<input checked="" type="checkbox"/> None	<input type="checkbox"/> <100.0 ppm	<input type="checkbox"/> ≥100.0 ppm	<input type="checkbox"/> TCLP	<input type="checkbox"/> Other
cadmium	<input checked="" type="checkbox"/> None	<input type="checkbox"/> <1.0 ppm	<input type="checkbox"/> ≥1.0 ppm	<input type="checkbox"/> TCLP	<input type="checkbox"/> Other
chromium	<input checked="" type="checkbox"/> None	<input type="checkbox"/> <5.0 ppm	<input type="checkbox"/> ≥5.0 ppm	<input type="checkbox"/> TCLP	<input type="checkbox"/> Other
lead	<input checked="" type="checkbox"/> None	<input checked="" type="checkbox"/> <5.0 ppm	<input type="checkbox"/> ≥5.0 ppm	<input type="checkbox"/> TCLP	<input type="checkbox"/> Other
mercury	<input checked="" type="checkbox"/> None	<input type="checkbox"/> <0.2 ppm	<input type="checkbox"/> ≥0.2 ppm	<input type="checkbox"/> TCLP	<input type="checkbox"/> Other
nickel	<input checked="" type="checkbox"/> None	<input type="checkbox"/> <134.0 ppm	<input type="checkbox"/> ≥134.0 ppm	<input type="checkbox"/> TCLP	<input type="checkbox"/> Other
selenium	<input checked="" type="checkbox"/> None	<input type="checkbox"/> <1.0 ppm	<input type="checkbox"/> ≥1.0 ppm	<input type="checkbox"/> TCLP	<input type="checkbox"/> Other
silver	<input checked="" type="checkbox"/> None	<input type="checkbox"/> <5.0 ppm	<input type="checkbox"/> ≥5.0 ppm	<input type="checkbox"/> TCLP	<input type="checkbox"/> Other
thallium	<input checked="" type="checkbox"/> None	<input type="checkbox"/> <130.0 ppm	<input type="checkbox"/> ≥130.0 ppm	<input type="checkbox"/> TCLP	<input type="checkbox"/> Other

**Organic Compounds** (Indicate if any of the following organic compounds are present in your waste at the posted concentrations.)

benzene	<input checked="" type="checkbox"/> None	<input type="checkbox"/> <0.5 ppm	<input type="checkbox"/> ≥0.5 ppm	<input type="checkbox"/> TCLP	<input type="checkbox"/> Other
carbon tetrachloride	<input checked="" type="checkbox"/> None	<input type="checkbox"/> <1.0 ppm	<input type="checkbox"/> ≥1.0 ppm	<input type="checkbox"/> TCLP	<input type="checkbox"/> Other
chlorobenzene	<input checked="" type="checkbox"/> None	<input type="checkbox"/> <100.0 ppm	<input type="checkbox"/> ≥100.0 ppm	<input type="checkbox"/> TCLP	<input type="checkbox"/> Other
chloroform	<input checked="" type="checkbox"/> None	<input type="checkbox"/> <6.0 ppm	<input type="checkbox"/> ≥6.0 ppm	<input type="checkbox"/> TCLP	<input type="checkbox"/> Other
cresol	<input checked="" type="checkbox"/> None	<input type="checkbox"/> <200.0 ppm	<input type="checkbox"/> ≥200.0 ppm	<input type="checkbox"/> TCLP	<input type="checkbox"/> Other
1,4-dichlorobenzene	<input checked="" type="checkbox"/> None	<input type="checkbox"/> <7.5 ppm	<input type="checkbox"/> ≥7.5 ppm	<input type="checkbox"/> TCLP	<input type="checkbox"/> Other
1,2-dichloroethane	<input checked="" type="checkbox"/> None	<input type="checkbox"/> <0.5 ppm	<input type="checkbox"/> ≥0.5 ppm	<input type="checkbox"/> TCLP	<input type="checkbox"/> Other
1,1-dichloroethylene	<input checked="" type="checkbox"/> None	<input type="checkbox"/> <0.7 ppm	<input type="checkbox"/> ≥0.7 ppm	<input type="checkbox"/> TCLP	<input type="checkbox"/> Other
2,4-dinitrotoluene	<input checked="" type="checkbox"/> None	<input type="checkbox"/> <0.13 ppm	<input type="checkbox"/> ≥0.13 ppm	<input type="checkbox"/> TCLP	<input type="checkbox"/> Other
hexachlorobenzene	<input checked="" type="checkbox"/> None	<input type="checkbox"/> <0.13 ppm	<input type="checkbox"/> ≥0.13 ppm	<input type="checkbox"/> TCLP	<input type="checkbox"/> Other
hexachlorobutadiene	<input checked="" type="checkbox"/> None	<input type="checkbox"/> <0.5 ppm	<input type="checkbox"/> ≥0.5 ppm	<input type="checkbox"/> TCLP	<input type="checkbox"/> Other
hexachloroethane	<input checked="" type="checkbox"/> None	<input type="checkbox"/> <3.0 ppm	<input type="checkbox"/> ≥3.0 ppm	<input type="checkbox"/> TCLP	<input type="checkbox"/> Other
methyl ethyl ketone	<input checked="" type="checkbox"/> None	<input type="checkbox"/> <200.0 ppm	<input type="checkbox"/> ≥200.0 ppm	<input type="checkbox"/> TCLP	<input type="checkbox"/> Other
nitrobenzene	<input checked="" type="checkbox"/> None	<input type="checkbox"/> <2.0 ppm	<input type="checkbox"/> ≥2.0 ppm	<input type="checkbox"/> TCLP	<input type="checkbox"/> Other
pentachlorononol	<input checked="" type="checkbox"/> None	<input type="checkbox"/> <100.0 ppm	<input type="checkbox"/> ≥100.0 ppm	<input type="checkbox"/> TCLP	<input type="checkbox"/> Other
pyrene	<input checked="" type="checkbox"/> None	<input type="checkbox"/> <5.0 ppm	<input type="checkbox"/> ≥5.0 ppm	<input type="checkbox"/> TCLP	<input type="checkbox"/> Other
tetrachloroethylene/perchloroethylene	<input checked="" type="checkbox"/> None	<input type="checkbox"/> <0.7 ppm	<input type="checkbox"/> ≥0.7 ppm	<input type="checkbox"/> TCLP	<input type="checkbox"/> Other
trichloroethylene	<input checked="" type="checkbox"/> None	<input type="checkbox"/> <0.5 ppm	<input type="checkbox"/> ≥0.5 ppm	<input type="checkbox"/> TCLP	<input type="checkbox"/> Other
2,4,5-trichlorononol	<input checked="" type="checkbox"/> None	<input type="checkbox"/> <400.0 ppm	<input type="checkbox"/> ≥400.0 ppm	<input type="checkbox"/> TCLP	<input type="checkbox"/> Other
2,4,6-trichlorononol	<input checked="" type="checkbox"/> None	<input type="checkbox"/> <2.0 ppm	<input type="checkbox"/> ≥2.0 ppm	<input type="checkbox"/> TCLP	<input type="checkbox"/> Other
vinyl chloride	<input checked="" type="checkbox"/> None	<input type="checkbox"/> <0.2 ppm	<input type="checkbox"/> ≥0.2 ppm	<input type="checkbox"/> TCLP	<input type="checkbox"/> Other

**Hazardous Constituents** (Identify hazardous constituents for F- and K-listed waste and substances causing waste to exhibit a characteristic.)

_____	_____	_____
_____	_____	_____

**Additional Comments** (Provide comments regarding the chemical or radiological nature of the waste.)

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Do not write in this box - EM-8 use only**

<b>Waste Classification</b>		<input type="checkbox"/> Non-RCRA waste		<input type="checkbox"/> RCRA-regulated solid waste		<input type="checkbox"/> RCRA-regulated hazardous waste		<input checked="" type="checkbox"/> Radioactive waste	
<input type="checkbox"/> PCB		<input type="checkbox"/> municipal refuse		<input type="checkbox"/> nonhazardous chemical waste		<input type="checkbox"/> hazardous waste		<input checked="" type="checkbox"/> low-level waste	
<input type="checkbox"/> non-PCB TSCA waste		<input type="checkbox"/> administratively controlled waste		<input type="checkbox"/> sanitary/industrial sludges		<input type="checkbox"/> mixed low-level waste		<input type="checkbox"/> transuranic waste	
<input type="checkbox"/> asbestos						<input type="checkbox"/> mixed transuranic waste			
RCRA Code 1	RCRA Code 2	RCRA Code 3	RCRA Code 4	RCRA Code 5	RCRA Code 6	RCRA Code 7	RCRA Code 8	RCRA Code 9	RCRA Code 10

EM-8 Reviewer's Signature <i>Michelle Smith</i>	Date <i>4/2/02</i>	Cost Center/Program Code for Analysis	Reference Number <i>8416</i>
----------------------------------------------------	-----------------------	---------------------------------------	---------------------------------

RSWD



L94000370

1. Waste Originator Information

Date (MM,DD,YY) 04/04/94	Group DX11	TA 15	Building 183	Wing	Mail Stop F942	Telephone 7-1570	Certified WS N/A
Generator No. 01912191315	Waste Stream No.	Cost Code 9102	Program Code CX64	WMC No. 050165			

2. Waste Characterization and Packaging Information

Waste Profile Request No. 104116	Hazardous Materials Transfer Form HM No. N/A	Waste Code 1512	<input checked="" type="checkbox"/> Actual Rad <input type="checkbox"/> Suspect Rad	<input type="checkbox"/> Mixed Waste <input type="checkbox"/> Non-Rad
Total Waste Volume 9104.0	<input type="checkbox"/> Meters <sup>3</sup> <input checked="" type="checkbox"/> Feet <sup>3</sup> <input type="checkbox"/> Gallons	Estimated Weight 115.0	<input type="checkbox"/> Kilograms <input type="checkbox"/> Pounds <input checked="" type="checkbox"/> Tons	Serial No.
Is this a dumpster? If yes, <input type="checkbox"/> Compactible <input type="checkbox"/> Non-Compactible		Dumpster No.		

Waste Description  
SAFETY VESSEL

Radiation Exposure Rate  
 R/hr  
 mR/hr

C & D Form Numbers


Comments  
\* DESCRIPTION OF RADIONUCLIDE OK AS PER TONY STANFORD TEL 4/4/94

Package Codes*	Package Code*	Package Volume (Individual Package)	Volume Units**	Number of Packages	Total Vol. of Package Type (Pkg. Vol. X No. of Pkgs.)	Volume Units**	Volume Units**
01 - Bulk (unpackaged)	08	9104.0	F	1	9104.0	F	M = Meters <sup>3</sup> F = Feet <sup>3</sup> G = Gallons
02 - Wooden crate							
03 - Drum							
04 - Cardboard box							
05 - Plastic bag							
06 - Steel box							
07 - Shield cask							
08 - Other (specify below) <u>metal can</u>							

Radionuclide	Amount	Units+	Uncertainty	Method++
TRU	4.25	E +0.07 C	+/- 150.0 %	E
		E +/-	+/-	
		E +/-	+/-	
		E +/-	+/-	
		E +/-	+/-	
		E +/-	+/-	
		E +/-	+/-	

SS Acct.	Proj. Code

+Units: C = Curies M = Grams  
++Methods: A = Analysis M = Measurement C = Calculation E = Estimation

3. Waste Certification

GENERATOR CERTIFICATION STATEMENT: My signature certifies that the waste is as described here and on the attached Waste Profile Request form. Waste meets all applicable acceptance and storage or disposal criteria listed in Administrative Requirement 10-2, "Low-Level Radioactive Solid Waste," and in "Waste Acceptance Criteria for Low-Level Radioactive Waste Disposal at TA-64, Area G."

Generator's Name (Print) M. J. Burns	Signature <i>M. J. Burns</i>	Z Number 092435	Date 19 May 94
WASTE MANAGEMENT COORDINATOR STATEMENT: My signature certifies that all information on this form has been reviewed and is correct to the best of my knowledge.			
Waste Management Coordinator's Name (Print) STEPHEN J DEPAULO	Signature <i>Stephen J DePaulo</i>	Z Number 20160	Date 5-17-94

This Page For EM-7 Use Only

*No printout available.*

NOTE: THE JCI RIGGER FORMAN TOLD ME THAT THE "SPHERE" WAS WEIGHED WITH THE CRANE ON BOARD COMPUTER WEIGHING DEVICE AND IT REGISTERED 19.5 TONS. OK

RSWD



L94000370

4. EM-7 Approval (No waste can be accepted without approval signature)

EM-7 APPROVAL STATEMENT: My signature certifies that the waste described on this application is acceptable, AS DESCRIBED, for storage or disposal by EM-7.

EM-7 Approver's Name (Print or Stamp) <i>J. Minton-Hughes</i>	Signature <i>Julia Minton-Hughes</i>	Date Approved <i>5-19-94</i>
------------------------------------------------------------------	-----------------------------------------	---------------------------------

Disposition

<input type="checkbox"/> MAP Shaft	<input type="checkbox"/> Low-Level H3 Shaft	<input type="checkbox"/> Source Shaft	<input checked="" type="checkbox"/> LLW Pit <b>AT-38</b>
<input type="checkbox"/> Be Shaft	<input type="checkbox"/> High-Level H3 Shaft	<input type="checkbox"/> Powder Shaft	<input type="checkbox"/> Asbestos Pit
<input type="checkbox"/> PCB Shaft	<input type="checkbox"/> Animal Tissue Shaft	<input type="checkbox"/> Holding Shed	<input type="checkbox"/> MW Storage Dome
<input type="checkbox"/> MW Storage Shaft	<input type="checkbox"/> MFP Shaft	<input type="checkbox"/> MW H3 Shed	<input type="checkbox"/> Certifiable TRU Dome
<input type="checkbox"/> Other	<input type="checkbox"/> HEPA Filter Shaft	<input type="checkbox"/> Compactor	<input type="checkbox"/> Uncertified TRU Storage

5. Receiving Site Information

Date Waste Received <i>11011894</i>	Vehicle Code <input type="checkbox"/> Dumpster (01) <input type="checkbox"/> Dump truck (02) <input type="checkbox"/> Flatbed (03) <input type="checkbox"/> Pickup (04) <input type="checkbox"/> Shield cask (05) <input type="checkbox"/> EM-7 truck (06) <input checked="" type="checkbox"/> Other (specify below) (07) <i>TRACTOR &amp; TRAILER RIG</i>	Treatment Code <input type="checkbox"/> Compaction (01) <input type="checkbox"/> Other (03) <input type="checkbox"/> Incineration (02) <input checked="" type="checkbox"/> None (04)
Actual Volume <i>1904.0</i>	Exposure Rate Contact <i>10</i> mR/hr	Exposure Rate at 1 Meter <i>10</i> mR/hr
Gross Weight (lbs) <i>N/A</i>	Number of RSWDs on this load <i>1 CM</i>	
Tare Weight (-) <i>N/A</i>	Driver's Signature <i>John Jones</i>	Non-Conformance? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes
Net Weight <b>TONS</b> <i>19.5</i>	HS-1 Monitor's Signature (TA-54) <i>Ray Kuroki 1330</i>	Non-Conformance Report No

6. Compaction Information

Bale No.	Compaction Date (MM,DD,YY)	Bale Volume (M <sup>3</sup> )	Comments

7. Disposal Location Information

Disposal Date (MM,DD,YY)	Area	Shaft	Pit	Transit Sequence No.	Post(s)	Layer	Position
<i>11011894</i>	<i>G</i>	<i>—</i>	<i>38</i>	<i>10199402</i>	<i>114116</i>	<i>1</i>	<i>S</i>

8. Storage Location Information

Storage Date (MM,DD,YY)	Area	Shaft	Building	Column	Layer	Row	Pod	Post(s)	Layer	Position

9. Director of Disposal Operations

DIRECTOR OF DISPOSAL OPERATIONS CERTIFICATION: My signature certifies that all waste receiving, storage, and disposal requirements were met.

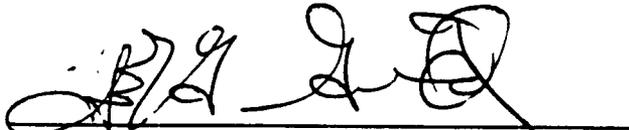
Director of Disposal or Storage Operations (Print) <i>CHARLES A. LETMAN JR</i>	Signature <i>Charles A. Letman</i>	Date <i>10-18-94</i>
-----------------------------------------------------------------------------------	---------------------------------------	-------------------------

10. Data Management Information

Screened Paperwork <i>CAL 10-18-94</i>	Date Entered in Logbook (MM,DD,YY) <i>11011894</i>	Date Entered in Database (MM,DD,YY) <i>11022094</i>	Date Entry Verified (MM,DD,YY) <i>11021794</i>
Supervised Disposal <i>CAL 10-18-94</i>	Initial <i>C.A. LETMAN JR</i>	Initial <i>[Signature]</i>	Initial <i>[Signature]</i>

## CERTIFICATION OF COMPLETION

I certify that a voluntary corrective action (VCA) has been completed for Potential Release Site (PRS) C-36-001. Based on my personal involvement or inquiry of the person or persons who managed this cleanup and a visit to the site, to the best of my knowledge and belief, this site has been remediated. 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.



Gene Gould  
Field Unit Two Project Leader  
Environmental Restoration Project  
Los Alamos National Laboratory

9/28/95  
Date

**Los Alamos National Laboratory  
Environmental Restoration Project  
PRS Completion Summary Sheet**

**Brief Description:** PRS C-36-001, Test Containment Vessel, was located south of TA-36-55 near the canyon rim. This spherical steel vessel provided secondary containment for confined explosives tests. This vessel was used from about 1970 until 1983, when it was replaced by a sturdier vessel.

**Contaminants:** Information from the WPF, the RWDF, and the CEARP and SWMU Reports indicate that the vessel was contaminated with plutonium.

**Method of Cleanup:** This vessel was taken to TA-54 for disposal as low-level waste. It is in Area G, Test Pit 38, being filled as a receptacle for other low-level waste. When it is completely filled, it will be buried in the pit.

**Start Date:** April 4, 1994

**End Date:** October 18, 1994