BECHTEL JACOBS

Bechtel Jacobs Company LLC

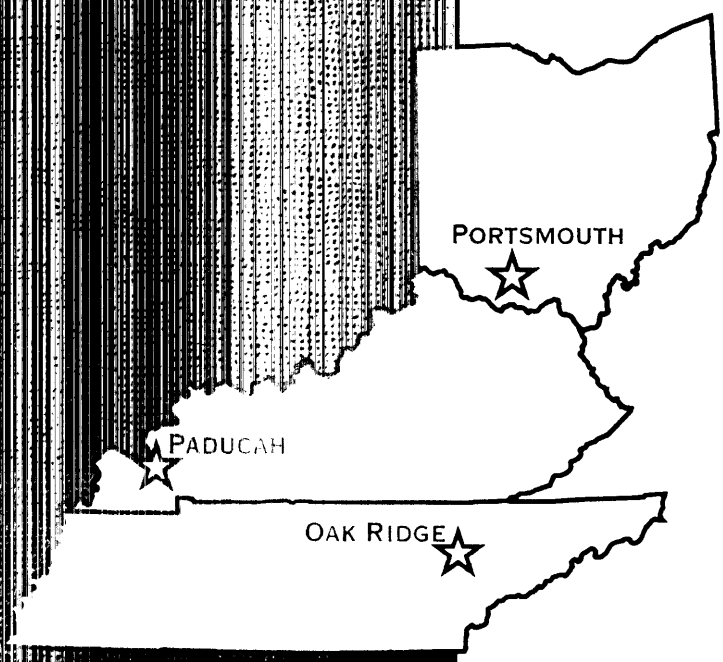
BJC/PAD-362

ENVIRONMENTAL MANAGEMENT

& ENRICHMENT FACILITIES

MANAGEMENT AND INTEGRATION CONTRACT

Final Inventory/Characterization Report for the C-337-30 Department of Energy Material Storage Area at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky



MANAGED BY
BECHTEL JACOBS COMPANY LLC
FOR THE UNITED STATES
DEPARTMENT OF ENERGY

This document has received the appropriate reviews for release to the public.

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BJC/PAD-362

Final Inventory/Characterization Report for the C-337-30 Department of Energy Material Storage Area (DMSA) at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky

Date Issued – September 16, 2002

Prepared by
WESKEM, LLC
Under subcontract 23900-BA-RM005F
Prepared for the
US Department of Energy
Office of Environmental Management

BECHTEL JACOBS COMPANY LLC
managing the
Environmental Management Activities at the
East Tennessee Technology Park
Oak Ridge Y-12 Plant Oak Ridge National Laboratory
Paducah Gaseous Diffusion Plant Portsmouth Gaseous Diffusion Plant
Under contract DE-AC05-98OR22700
for the
U.S. DEPARTMENT OF ENERGY

This report is an abridged edition. The following sections have been omitted from this report, but are included in the full report.

C-337-30 DMSA ZONE MAP

HP SURVEY DATA

HP SMEAR AND AIR SAMPLE ACTIVITY REPORT

SME INSPECTION / SAMPLING SUMMARY

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WASTE IDENTIFIED FOR REMOVAL

DMSA C-337-30 INVENTORY

WASTE OPERATIONS PCB INVENTORY

REUSABLE MATERIAL INVENTORY

ACRONYMS

ACM	Asbestos Containing Material
ADC	Authorized Derivative Classifier
BEF	Equipment Field Blank
D&D	Decontamination and Decommission
DMSA	Department of Energy Material Storage Area
DOE	Department of Energy
dpm	Disintegrations per Minute
ft^2	Square Feet
ft^3	Cubic Feet
HP	Health Physics
IH	Industrial Hygiene
lbs	Pounds
Lc	Level Sub C
LLW	Low Level Waste
MDA	Minimum Detectible Activity
MS	Matrix Spike
NCS	Nuclear Criticality Safety
OREIS	Oak Ridge Environmental Information System
PCB	Polychlorinated Biphenyl
PEL	Permissible Exposure Limits
PGDP	Paducah Gaseous Diffusion Plant
RCRA	Resource Conservation and Recovery Act
RFD	Request for Disposal
RMA	Radioactive Material Area
RPD	Relative Percent Difference
SME	Subject Matter Expert
SVOA	Semi-Volatile Organic Analysis
TCLP	Toxicity Characteristic Leaching Procedure
TIO	Technical Information Officer
TLD	Thermoluminescent Dosimeter
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act
UF_4	Uranium Tetrafluoride
USEC	United States Enrichment Corporation
VOA	Volatile Organic Analysis

EXECUTIVE SUMMARY

Department of Energy Material Storage Area (DMSA) C-337-30 is located between columns Mb/N-44/47 in the C-337 Process Uuilding. It covers an area of approximately 2,780 square feet (ft^2). The **DMSA** is also identified as Solid Waste Management Unit (SWMU) #333. The initial entry into C-337-30 during the DMSA Characterization Project was in August 2001. At the time of entry, drums of polychlorinated biphenyl (PCB)/low level waste (LLW) occupied the largest portion of this DMSA. This waste is managed, inventoried and tracked on a waste-tracking database by Waste Operations. The area occupying the PCB/LLW was classified as a Phase 1 DMSA, since it was expected to have no fissionable material and was not fully characterized. The remaining area of the DMSA was classified as Phase 2, since it had items possibly containing fissionable material. During the characterization activities, the DMSA was divided into five zones to better define equipment/waste location. Material stored in the DMSA are drums of depleted uranium tetrafluoride (UF_4), seal exhaust alumina traps and B-25 boxes of miscellaneous items. The stored material has a total volume of approximately 2,328 cubic feet (ft^3) and a total estimated weight of 166,669 pounds (lbs). The totals include the DMSA items inventoried, the reusable material, and the Waste Operations PCD inventory. The characterization activities for the DMSA were completed May 2002. **All** waste was fully characterized. No fissionable materials were identified, which qualifies 337-30 as a Phase 3 DMSA.

RCRA/Mixed

Several lightbulbs and a circuit board were discovered in the DMSA during the characterization program. These items were packaged, labeled and transferred to the C-752-A Resource Conservation Recovery Act (RCRA) Permitted Storage Facility.

TSCA/PCB/LLW

Several pieces of electrical cable were identified as PCB/LLW. The items were handled appropriately and transferred to C-752-A.

ACM/LLW

Several asbestos containing materials (ACM) were discovered in the DMSA. Asbestos wiring, fittings, and associated trash were labeled appropriately and transferred to C-752-A.

LLW

All of the material in this DMSA (with the exception of the UF_4 drums) was classified as LLW. The items were given a barcode identification for future inventory control and equipment location reference. The LLW will remain in the DMSA.

Reusable Materials

The 24 drums of UF_4 have been identified as having the potential for future use. They will remain in the DMSA until reuse.

NCS

The seal exhaust alumina traps had previously been sampled and characterized as Nuclear Criticality Safety (NCS) exempt prior to initiation of the DMSA characterization project. Following evaluation of the analytical data, no NCS concerns were identified for the traps. Research of historical data pertaining to the drums of UF_4 revealed no NCS concerns for this material. 'The remainder of the material in the DMSA was also classified as NCS exempt.

IH

All Industrial Hygiene (IH) data has been reviewed. All quality control samples were within normal acceptable guidelines, except 20 PCB samples that exceeded the holding time and were not useable. No personnel were exposed to any airborne concentration above permissible expose limit (PEL) or threshold limit value (TLV).

HP

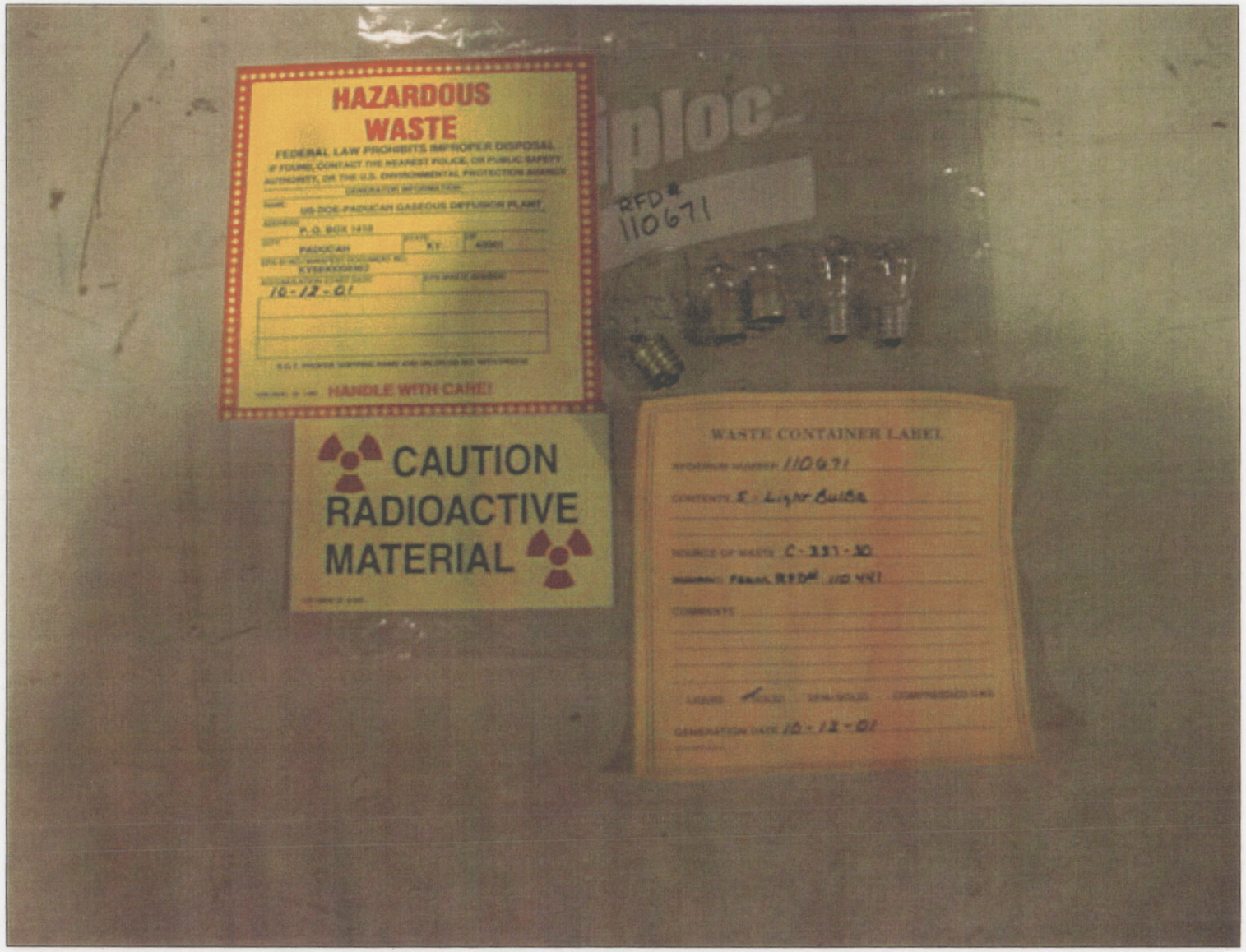
According to the Health Physics (HP) radiological surveys, the highest readings were on a process gas trap. The Alpha reading was 664 disintegrations per minute (dpm)/100 cm^2 and the highest Beta/Gamma reading was 8,906 dpm/100 cm^2.

Safety

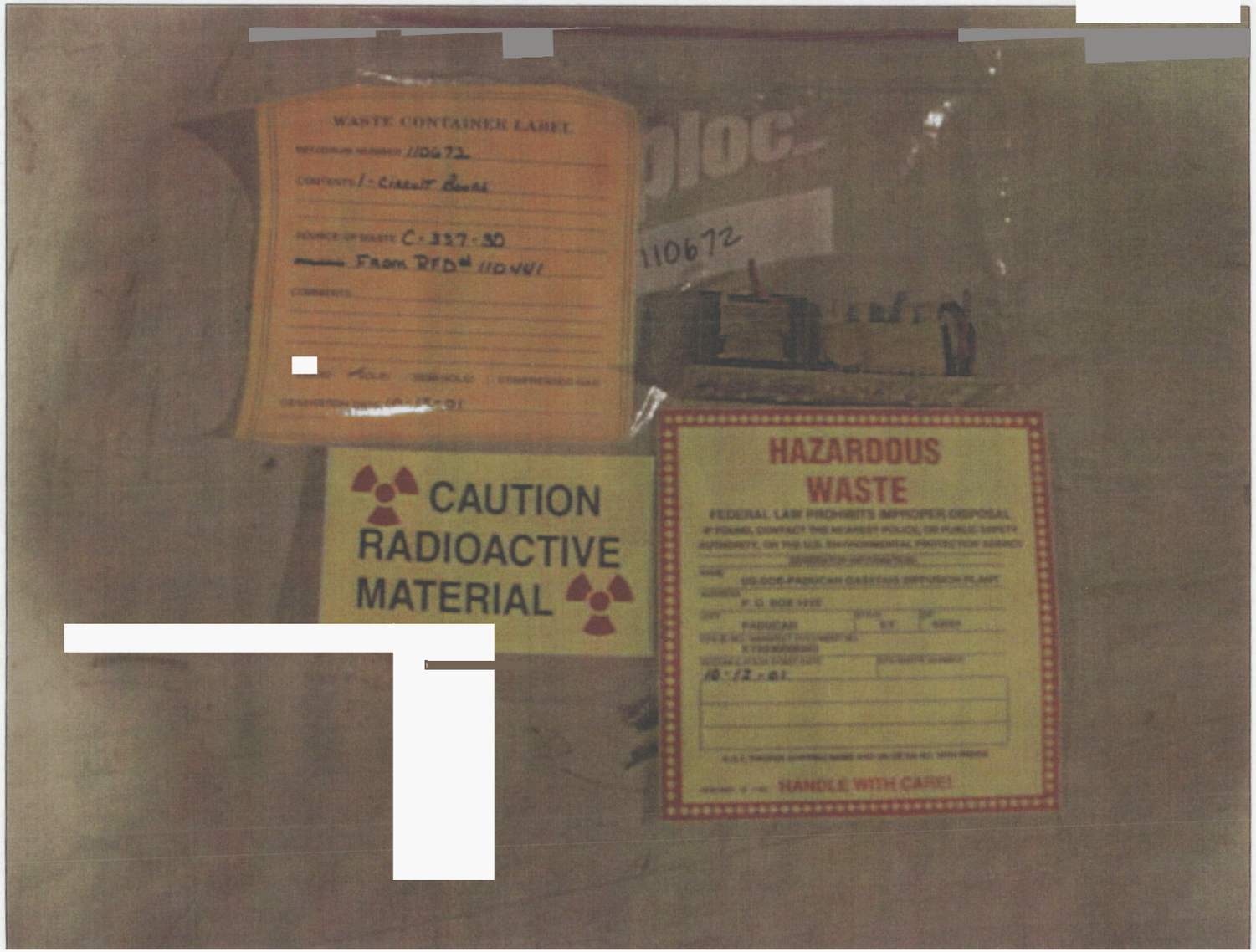
There were no safety related events during the field activities. **All** workers had stop work authority to ensure unusual or unexpected events were evaluated before work was allowed to proceed. **A** safety officer was in attendance during all phases of work to evaluate conditions and provide safety related input to the workers.

All actions involved in this characterization were documented and have been retained in permanent files. Part of the documentation includes photographs. Several of these photographs are included in this report.

DMSA C-337-30 Light Bulbs Removed as Hazardous Waste



DMSA C-337-30 Circuit Board Removed as Hazardous Waste



DMSA C-337-30 Waste Characterization and Surveying

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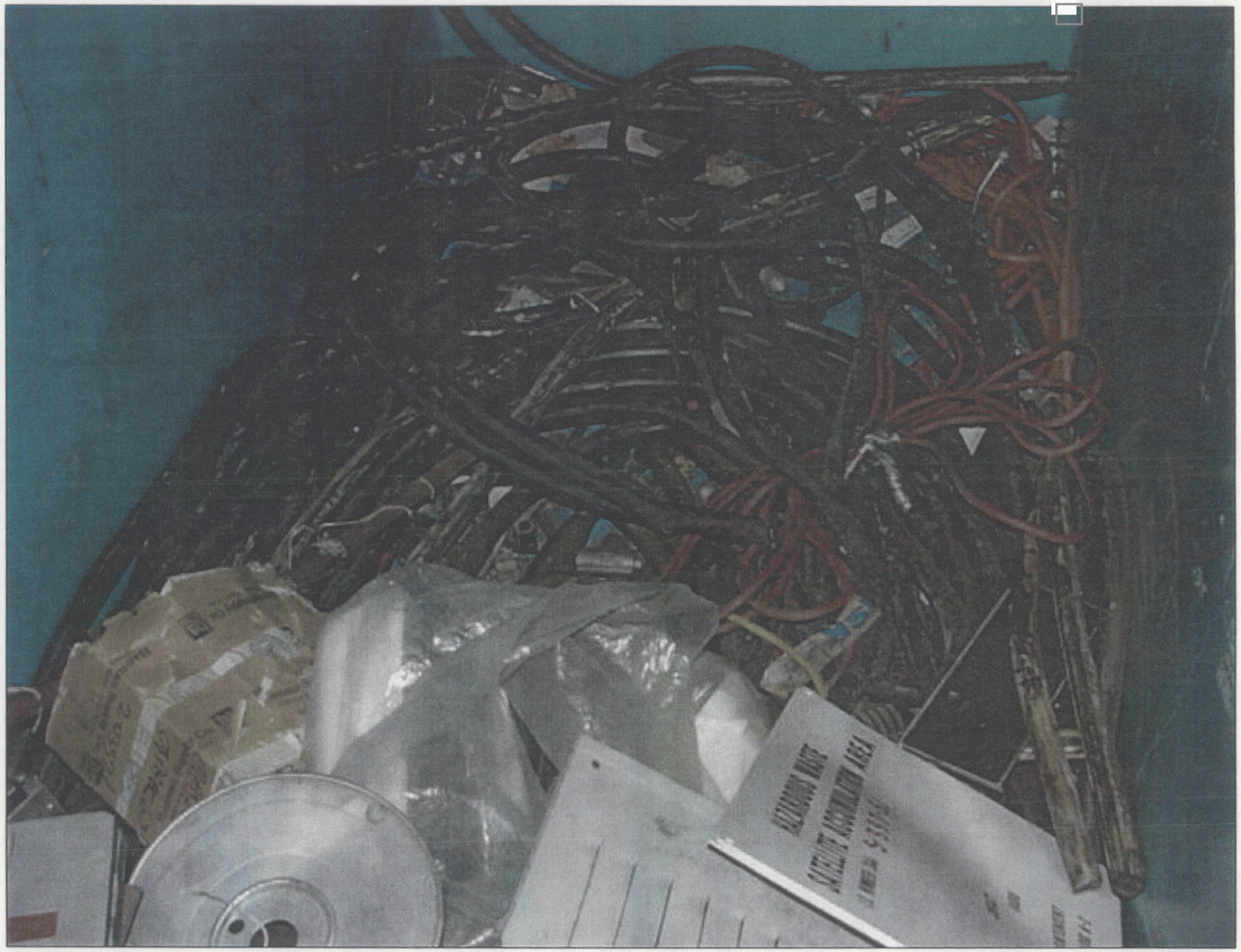
DMSA C-337-30 Waste Characterization of B-25 Box



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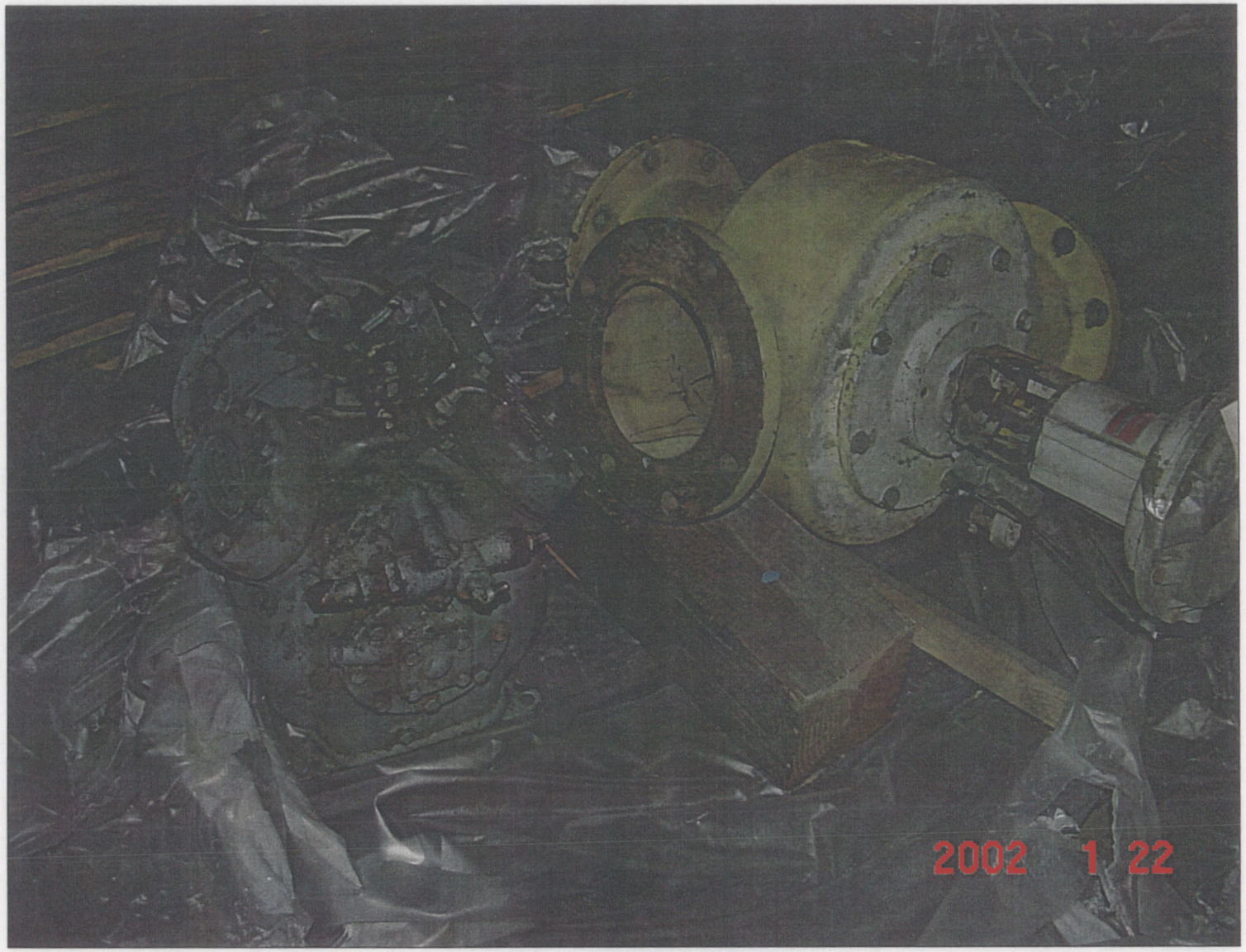
DMSA C-337-30 Waste Characterization



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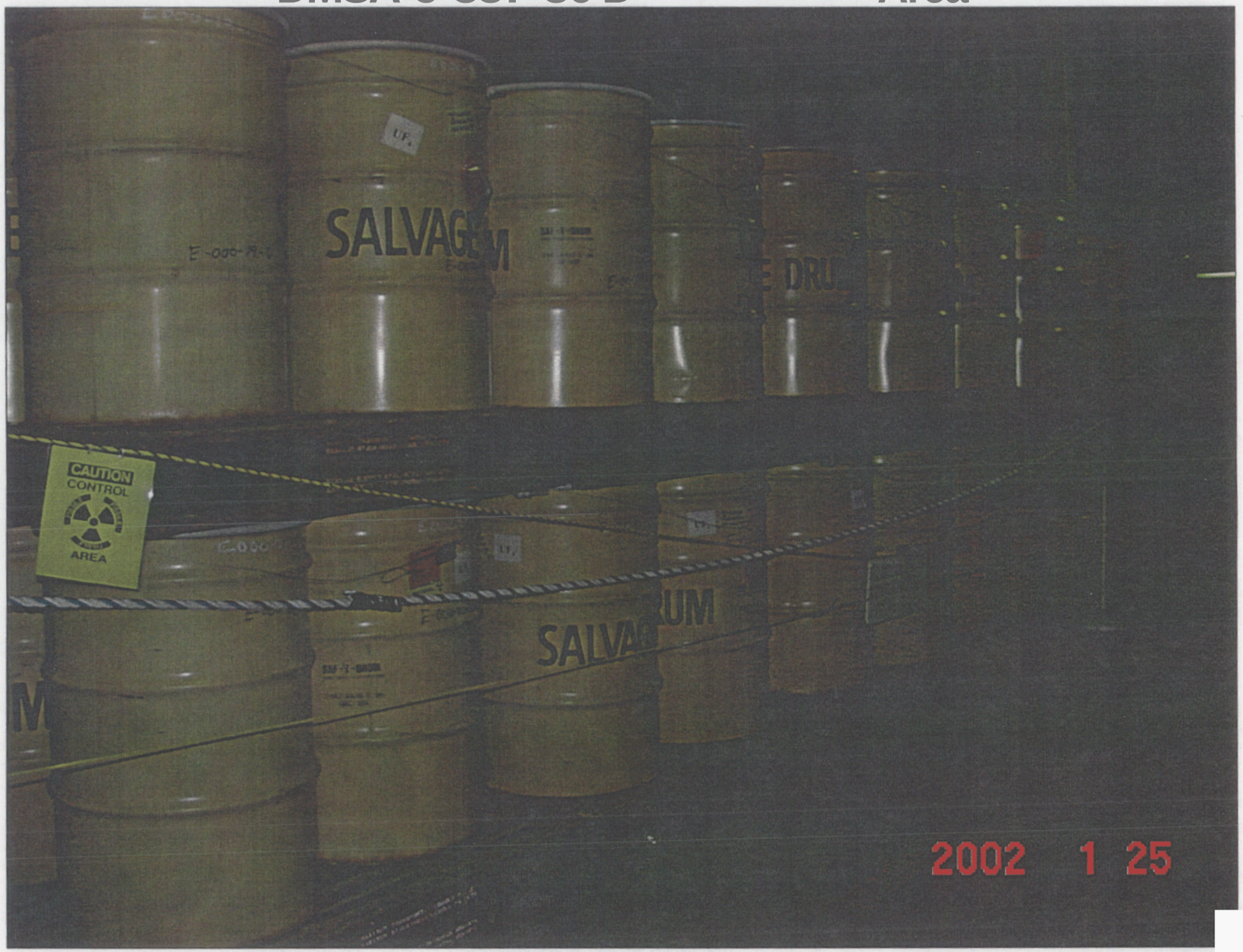
DMSA C-337-30 D Drum Storage Area



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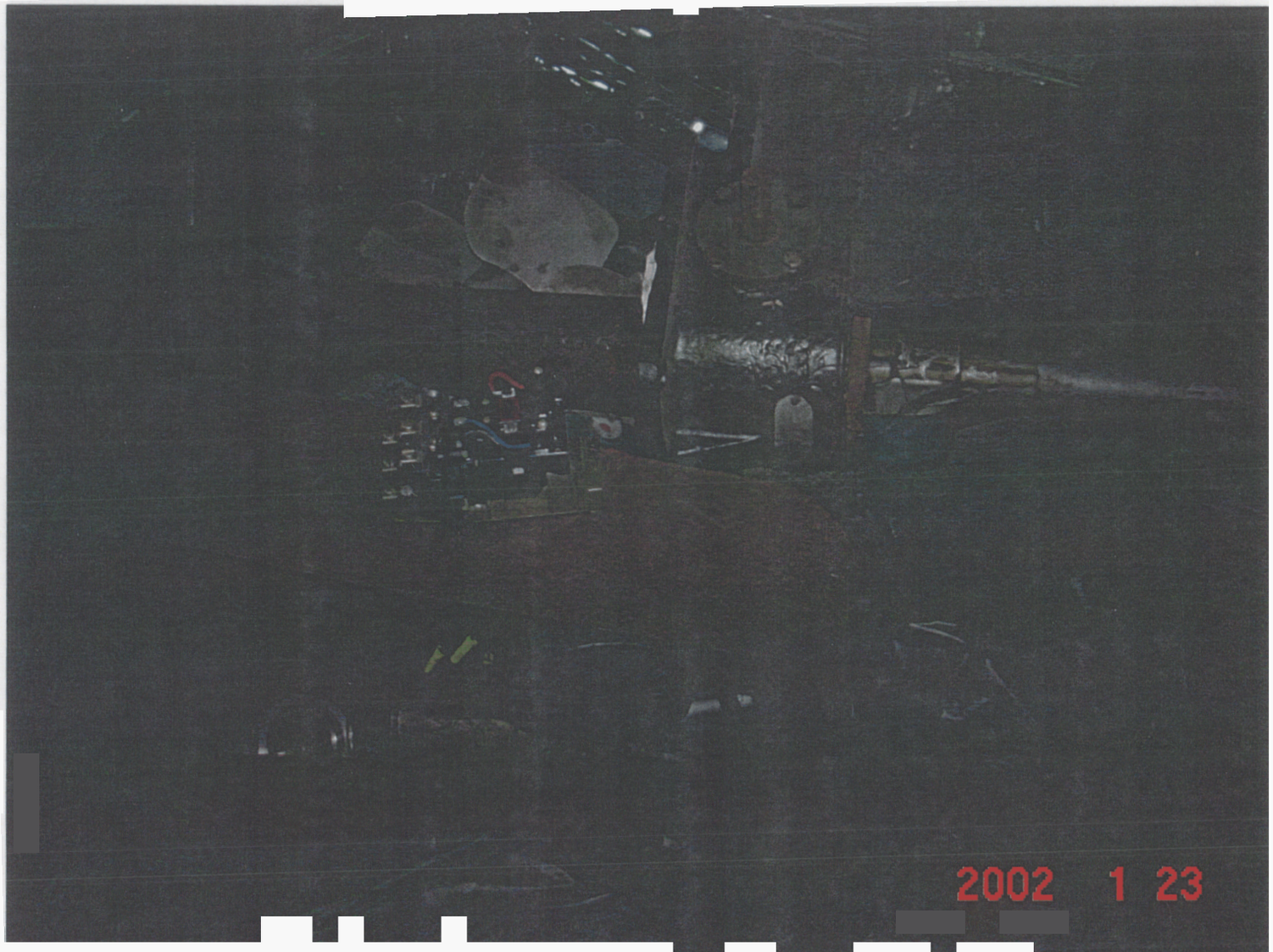
DMSA C-337-30 Misc Process Equipment Parts



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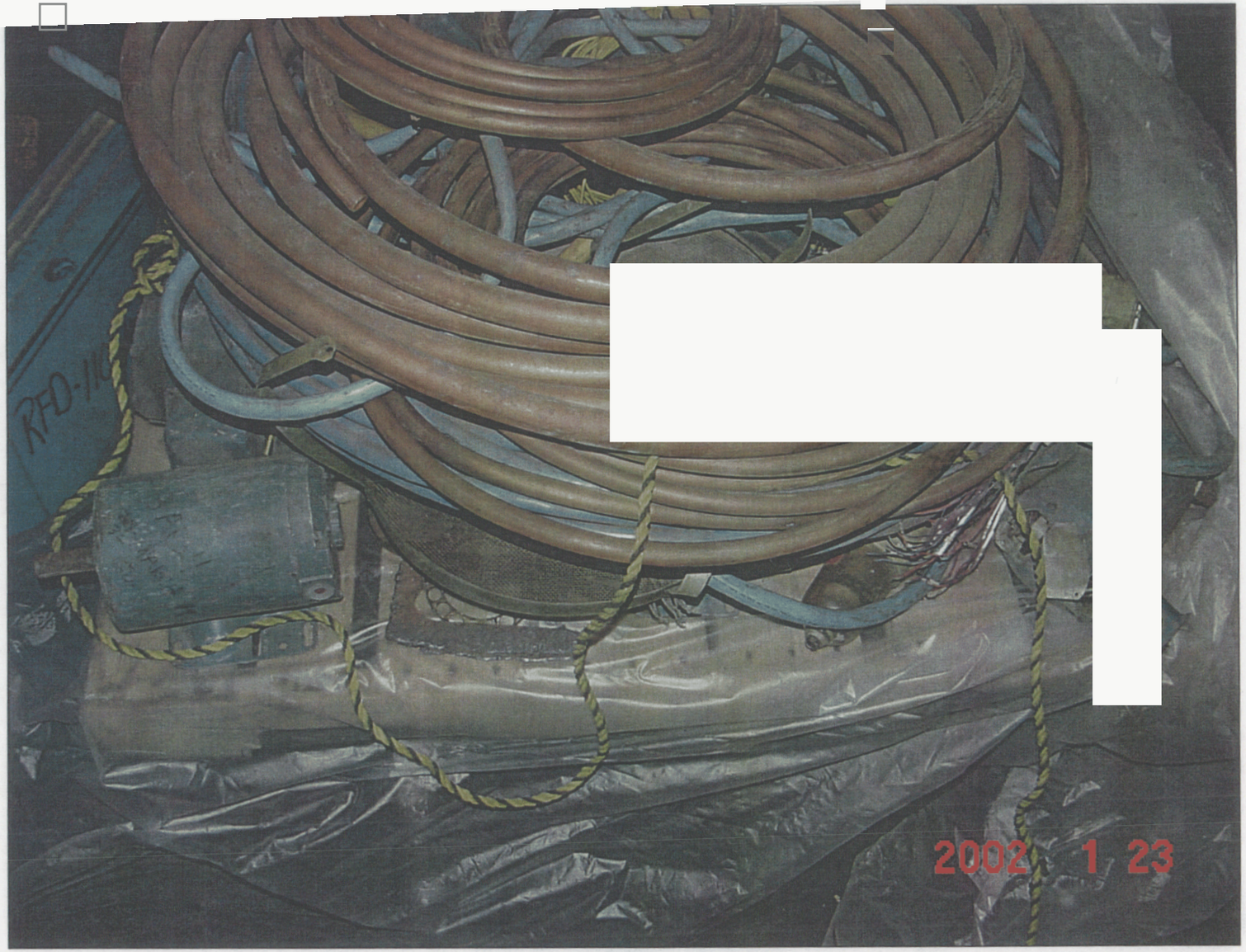
DMSA C-337-30 Copper Tubing, Motor, Misc Equipment



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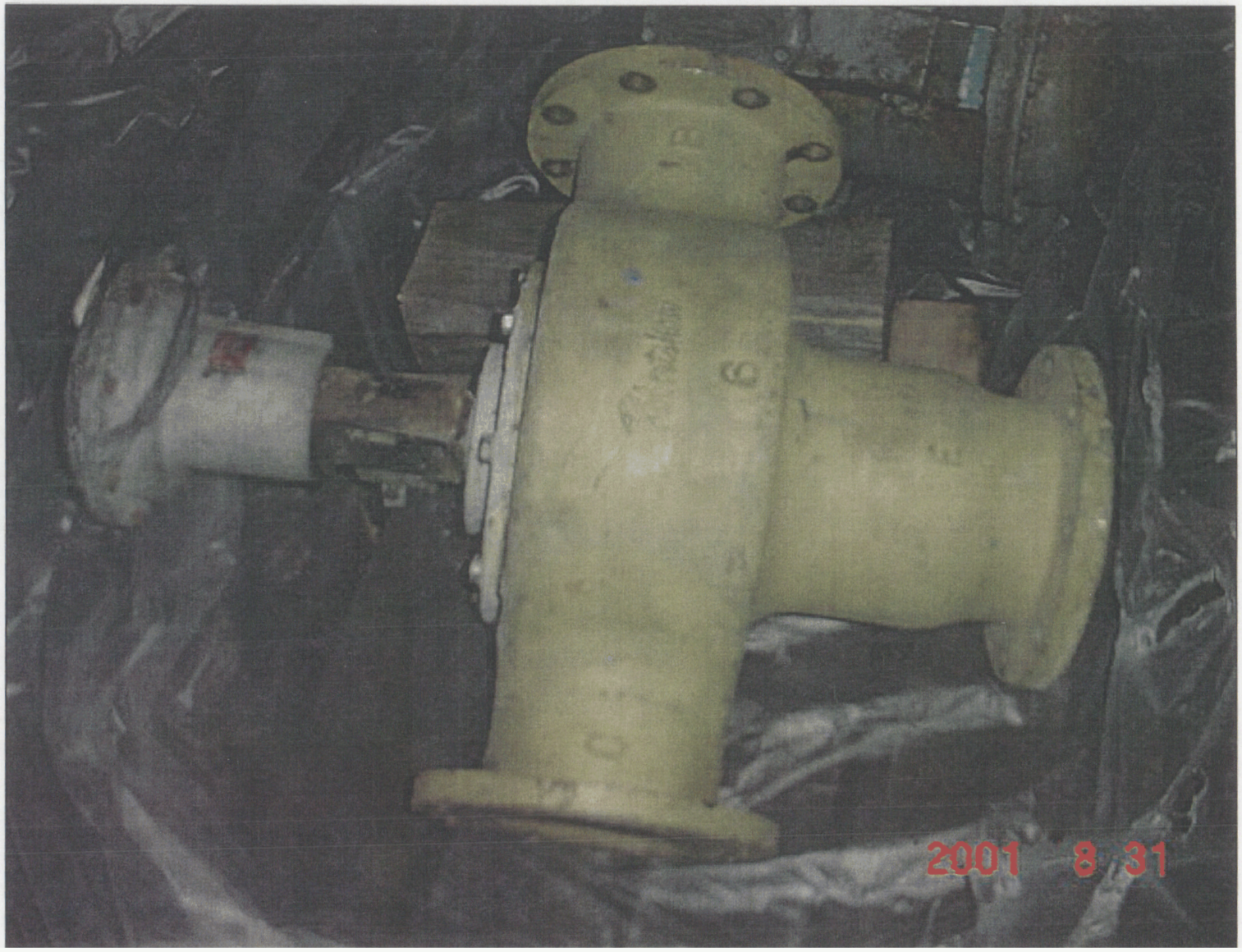
DMSA C-337-30 Three-Way Valve in 6-25 Box



Inventory And Characterization Report

Curr. Zone	Item ID	Barcode #	Description	Vol. ft3	tsca non	tsca mix	rcrn non	rcrn mix	llw	asb	fis	lnd	Gen. Date	Char, Date	Transferred To
C-337-30															
	110671-01		LIGHT BULBS	0.25	☐	☐	☐	☑	☐	☐	☐	☐	10/12/01	10/12/01	C-752-A
	110672-01		PRINTED CIRCUIT BOARD	0.25	☐	☐	☐	☐	☐	☐	☐	☐	10/12/01	10/12/01	C-752-A
	111424-01		ASBESTOS	7	☐	☐	☐	☐	☐	☐	☐	☐	11/27/01	11/27/01	C-752-A
	111425-01		ASBESTOS FITTINGS	2	☐	☐	☐	☐	☑	☐	☐	☐	11/30/01	11/30/01	C-752-A
ZONE 2	110447-01	DMSA0110702	2000 VOLT CABLE	1.5	☐	☐	☐	☐	☑	☐	☐	☐	9/10/01	9/10/01	
ZONE 2	110893-01	PAD02C05209	PCB WIRING	15	☐	☐	☐	☐	☐	☐	☐	☐	1/18/02	1/18/02	
ZONE 2	111171-01	DMSA0110944	1" DIA. MOTOR CABLE.	12	☐	☐	☐	☐	☑	☐	☐	☐	11/5/01	11/5/01	
ZONE 2	111172-01		1" DIA. MOTOR CABLE	7.4	☐	☐	☐	☐	☐	☐	☐	☐	11/5/01	11/5/01	C-752-A
ZONE 2	111174-01	DMSA0110947	3/4" WELDING CABLE	2	☐	☐	☐	☐	☑	☐	☐	☐	11/5/01	11/5/01	
ZONE 3	110440-01	DMSA0110449	8-25 BOX OF MISC MATERIAL	96	☐	☐	☐	☐	☑	☐	☐	☐	8/28/01	8/28/01	
ZONE 3	110441-01	DMSA0110450	8-25 BOX OF MISC MATERIAL	96	☐	☐	☐	☐	☑	☐	☐	☐	8/29/01	8/29/01	
ZONE 3	110448-01	DMSA0110703	6" x 18" PG TRAP FROM RFD-110441-01	1	☐	☐	☐	☐	☑	☐	☐	☐	9/14/01	9/14/01	
ZONE 4	110801-01	DMSA0110718	SEAL EXHAUST ALUMINN TRAP	20	☐	☐	☐	☐	☑	☐	☐	☐	9/20/01	9/20/01	
ZONE 4	110802-01	DMSA0110719	SEAL EXHAUST ALUMINN TRAP	20	☐	☐	☐	☐	☑	☐	☐	☐	9/20/01	9/20/01	
ZONE 4	110803-01	DMSA0110720	SEAL EXHAUST ALUMINN TRAP	20	☐	☐	☐	☐	☑	☐	☐	☐	9/20/01	9/20/01	

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Legend

asb	Asbestos	Char	Characterization Date	fis	Fissionable
Gen	Generation Date	llw	Low Level Waste	lnd	Landfill
mix	Mixed Waste	rcra	Resource Conservation Recovery Act	tsca	Toxic Substances Control Act

Curr. Zone	Item ID	Barcode #	Description	Vol. ft3	tsca non	tsca mix	rcra non	rcra mix	llw	nsb	fis	lnd	Gen. Date	Char. Date	Transferred To
ZONE 4	110804-01	DMSA0110721	SEAL EXHAUST ALUMINN TRAP	20	☐	☐	☐	☐	☐	☐	☐	☐	9/20/01	9/20/01	
ZONE 4	110805-01	DMSA0110722	SEAL EXHAUST ALUMINN TRAP	20	☐	☐	☐	☐	☐	☐	☐	☐	9/20/01	9/20/01	
ZONE 4	110806-01	DMSA0110723	SEAL EXHAUST ALUMINN TRAP	20	☐	☐	☐	☐	☐	☐	☐	☐	9/20/01	9/20/01	
ZONE 4	110807-01	DMSA0110724	SEAL EXHAUST ALUMINN TRAP	20	☐	☐	☐	☐	☑	☐	☐	☐	9/20/01	9/20/01	
ZONE 4	110808-01	DMSA0110725	SEAL EXHAUST ALUMINN TRAP	20	☐	☐	☐	☐	☑	☐	☐	☐	9/20/01	9/20/01	
ZONE 4	110809-01	DMSA0110726	SEAL EXHAUST TRAP ALUMINN	20	☐	☐	☐	☐	☑	☐	☐	☐	9/20/01	9/20/01	
ZONE 4	110810-01	DMSA0110727	SEAL EXHAUST ALUMINN TRAP	20	☐	☐	☐	☐	☐	☐	☐	☐	9/20/01	9/20/01	
ZONE2	111173-01	DMSA0110946	1" DIA MOTOR CABLE.	2	☐	☐	☐	☐	☑	☐	☐	☐	11/5/01	11/5/01	

Summary for C-337-30 (23 RFDs) 442.4 Ft3

Grand Total (23 RFDs) 442.4 Total Ft3

WASTE REMOVED FROM C-337-30 DMSA								
Waste Material	Original RFD #	Material Classification	Column #	Barcode	# Items	Estimated Volume (ft^3)	Estimated Weight (lbs)	Material Transferred to USEC
Bulb Base	110671	RCRA/Mixed	C-752-A	PAD01C02236	1	0.25	1	No
Printed Circuit Board	110672	RCRA/Mixed	C-752-A	PAD01C03503	1	0.25	[illegible]	No
PCB Wiring	110893	PCB/LLW	C-752-A	PAD02C05209 PAD02C05210	2	15	620	No
1" Diameter Motor Cable	111172	PCBILLW	C-752-A	PAD01C03830	1	7.4	100	No
Asbestos	111424	ACM/LLW	C-752-A	PAD0102949	3	7	20	No
Bags of Asbestos Fittings & Trash	111425	ACM/LLW	C-752-A	PAD0102949	2	2	45	No
						Toral Estimated Volume (ft3) **31.90**	*Total Estlmated Weight (lbs)* **787**	

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C-337-30 DMSA INVENTORY

Description	Original RFD #	Material Classification	Column #	Barcode	# Items	Estimated Volume (ft^3)	Estimated Weight (lbs)	Material Transferred to USEC
B-25 Box of Misc. Materials	110440	LLW	Zone 3	DMSA0110449	1	96	850	No
B-25 Box of Misc. Materials	110441	LLW	Zone 3	DMSA0110450	1	96	3,800	No
2,000 Volt Cable (Pig Tail) 10' Long	110447	LLW	Zone 2	DMSA0110702	1	1.5	150	No
6"x18" PG Trap	110448	LLW	Zone 3	DMSA0110703	1	1	40	No
(4) Light Bulbs and (1) Light Bulb Base	110671	RCRA/Mixed	C-752-A	PAD01C02236	1	0.25	1	No
Printed Circuit Board	110672	RCRA/Mixed	C-752-A	PAD01C03503	1	0.25	1	No
Seal Exhaust Alumina Trap	110801	LLW	Zone 4	DMSA0110718	1	20	420	No
Seal Exhaust Alumina Trap	110802	LLW	Zone 4	DMSA0110719	1	20	420	No
Seal Exhaust Alumina Trap	110803	LLW	Zone 4	DMSAOI10720	1	20	420	No
Seal Exhaust Alumina Trap	110804	LLW	Zone 4	DMSAOI10721	1	20	420	No
Seal Exhaust Alumina Trap	110805	LLW	Zone 4	DMSAOI10722	1	20	420	No
Seal Exhaust Alumina Trap	110806	LLW	Zone4	DMSAOI10723	1	20	420	No
						Subtotal Est. Volume (ft3)	***Subtotal Est. Weight (lbs)***	
						315	***7,362***	

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Description	Original RFD #	Material Classification	Column #	Barcode	# Items	Estimated Volume (ft^3)	Estimated Weight (lbs)	Material Transferred to USEC
Seal Exhaust Alumina Trap	110807	LLW	Zone 4	DMSAOI10724	1	20	420	No
Seal Exhaust Alumina Trap	110808	LLW	Zone 4	DMSAOI10725	1	20	420	No
Seal Exhaust Alumina Trap	110809	LLW	Zone 4	DMSAOI10726	1	20	420	No
Seal Exhaust Alumina Trap	110810	LLW	Zone 4	DMSAOI10727	1	20	420	No
PCB Wirina	110893	PCB/LLW	C-752-A	PAD02C05209 PAD02C05210	2	15	620	No
-1 Diameter Motor Cable	111171	LLW	Zone 2	DMSAOI10944	1	12	900	No
1" Diameter Motor Cable	111172	PCB/LLW	C-752-A	PAD01C03830	1	7.4	100	No
~1" Diameter Motor Cable	111173	LLW	Zone 2	DMSAOI10946	1			
~3/4" Diameter Welding Cable	111174	LLW	337-30	DMSAOI10947	1	2	35	No
4sbestos	111424	ACM/LLW	C-752-A	PAD0102949	3	7	20	No
Bags of Asbestos Fittings & Trash	111425	ACM/LLW	C-752-A	PAD0102949	2	2	45	No
						Subtotal Est. Volume (ft3)	***Subtotal Est. Weight (lbs)***	
						127.4	***3,450***	
					Grand Totals	***442.4***	***10,812***	

C-337-30 WASTE OPERATIONS INVENTORY

Facility	GRID	GRIDEX	Container ID	Waste Item	RFD	WASTE DESC TXT	NET VOL	GROSS WT	PCB/SHD Date	Last Inv Date	ORIG FCLTY ID	ORIG AREA DESC
C-337	MB46	1	PAD94C21523	CAS-01118	5448	DITCH SEDIMENTS	11.4	743	09/09/1983	09/21/2001	C-340	C-340 DITCH
C-337	MB46	1	PAD94C21560	CAS-01139	5448	DITCH SEDIMENTS	11.4	618	09/09/1983	09/21/2001	C-340	C-340 DITCH
C-337	MB46	1	PAD94C21516	CAS-01149	5448	DITCH SEDIMENTS	11.4	756	09/09/1983	09/21/2001	C-340	C-340 DITCH
C-337	MB46	1	PAD94C21531	CAS-01211	5448	DITCH SEDIMENTS	11.4	528	09/09/1983	09/21/2001	C-340	C-340 DITCH
C-337	MB46	1	PAD94C21503	CAS-01524	5448	DITCH SEDIMENTS	11.4	738	09/12/1983	09/21/2001	C-340	C-340 DITCH
C-337	MB46	1	PAD94C21528	CAS-01615	5448	DITCH SEDIMENTS	11.4	587	09/15/1983	09/21/2001	C-340	C-340 DITCH
C-337	MB46	1	PAD94C21504	CAS-01618	5448	DITCH SEDIMENTS	11.4	739	09/15/1983	09/21/2001	C-340	C-340 DITCH
C-337	MB46	1	PAD94C21559	CAS-01674	5448	DITCH SEDIMENTS	11.4	711	09/16/1983	09/21/2001	C-340	C-340 DITCH
C-337	MB46	1	PAD94C21500	CAS-01770	5448	DITCH SEDIMENTS	11.4	689	09/16/1983	09/21/2001	C-340	C-340 DITCH
C-337	MB46	1	PAD94C21543	CAS-01785	5448	DITCH SEDIMENTS	11.4	665	09/16/1983	09/21/2001	C-340	C-340 DITCH
C-337	MB46	1	PAD94C21552	CAS-01955	5448	DITCH SEDIMENTS	11.4	701	10/05/1983	09/21/2001	C-340	C-340 DITCH
C-337	MB46	1	PAD94C21499	CAS-02105	5448	DITCH SEDIMENTS	11.4	666	10/06/1983	09/21/2001	C-340	C-340 DITCH
C-337	MB46	1	PAD94C21535	CAS-03034	3967	GRAVEL	11.4	762	08/08/1986	09/21/2001	C-337-A	C-337-A
C-337	MB46	1	PAD94C21556	CAS-03195	3968	GRAVEL	11.4	828	08/11/1986	09/21/2001	C-337-A	C-337-A
C-337	MB46	1	PAD94C21508	CAS-03502	4138	CONCRETE	11.4	272	08/26/1986	09/21/2001	C-337-A	C-337-A
C-337	MB46	1	PAD94C21519	CAS-04215	3940	CONTAMINATED CONCRETE	11.4	613	09/29/1987	09/21/2001	C-337-A	C-337-A EAST
C-337	MB46	1	PAD94C21551	CAS-04248	3941	CONTAMINATED CONCRETE	11.4	646	09/29/1987	09/21/2001	C-337-A	C-337-A EAST
C-337	MB46	1	PAD94C21515	CAS-04298	3942	CONTAMINATED CONCRETE	11.4	737	10/01/1987	09/21/2001	C-337-A	C-337-A EAST
C-337	MB46	1	PAD94C21539	CAS-04346	3943	CONTAMINATED CONCRETE	11.4	692	10/05/1987	09/21/2001	C-337-A	C-337-A EAST
C-337	MB46	1	PAD94C21507	CAS-04556	3947	CONTAMINATED CONCRETE	11.4	811	10/09/1987	09/21/2001	C-337-A	C-337-A EAST
C-337	MB46	1	PAD94C21520	CAS-04607	3949	SOIL	11.4	744	10/12/1987	09/21/2001	C-337-A	C-337-A EAST
C-337	MB46	1	PAD94C21540	CAS-04623	3949	SOIL	11.4	831	10/12/1987	09/21/2001	C-337-A	C-337-A EAST
C-337			PAD94C21511	CAS-04700	3950	SOIL	11.4	834	10/13/1987	08/17/1999	C-337-A	C-337-A EAST
C-337	MB46	1	PAD94C21512	CAS-05161	6331	SOIL	11.4	832	10/21/1987	09/21/2001	C-337-A	C-337-A EAST
C-337	MB46	1	PAD94C21544	CAS-05287	6332	SOIL	11.4	833	10/22/1987	09/21/2001	C-337-A	C-337-A EAST
C-337	MB46	1	PAD94C21547	CAS-05384	6333	SOIL	11.4	773	10/23/1987	09/21/2001	C-337-A	C-337-A EAST
C-337	MB46	1	PAD94C21555	CAS-05770	6339	SOIL	11.4	747	10/30/1987	09/21/2001	C-337-A	C-337-A EAST
C-337	MB46	1	PAD94C21536	CAS-06128	6345	PCB CONTAMINATED CONCRETE	11.4	696	12/07/1987	09/21/2001	C-337-A	C-337-A EAST
C-337	MB46	1	PAD94C21532	CAS-06140	6346	CAST IRON DRAIN PIPE	11.4	358	12/07/1987	09/21/2001	C-337-A	C-337-A EAST
C-337	MB46	2	PAD94C21570	CAS-07165	5614	SOIL & ROCK	11.4	732	10/13/1988	09/21/2001	C-333-A	C-333-A
C-337	MB46	2	PAD94C21566	CAS-07166	5614	SOIL & ROCK	11.4	732	10/13/1988	09/21/2001	C-333-A	C-333-A
C-337	MB46	2	PAD94C21601	CAS-07167	5614	SOIL & ROCK	11.4	732	10/13/1988	09/21/2001	C-333-A	C-333-A
C-337	MB46	2	PAD94C21569	CAS-07168	5614	SOIL & ROCK	11.4	732	10/13/1988	09/21/2001	C-333-A	C-333-A
C-337	MB46	1	PAD94C21595	CAS-07193	5614	SOIL & ROCK	11.4	606	10/13/1988	09/21/2001	C-333-A	C-333-A
C-337	MB46	2	PAD94C21565	CAS-07194	5614	SOIL & ROCK	11.4	686	10/13/1988	09/21/2001	C-333-A	C-333-A
C-337	MB46	2	PAD94C21598	CAS-07195	5614	SOIL & ROCK	11.4	786	10/13/1988	09/21/2001	C-333-A	C-333-A
C-337	MB46	2	PAD94C21597	CAS-07196	5614	SOIL & ROCK	11.4	686	10/13/1988	09/21/2001	C-333-A	C-333-A
C-337	MB46	2	PAD94C21602	CAS-07255	5615	SOIL & ROCK	11.4	783	10/13/1988	09/21/2001	C-333-A	C-333-A
C-337	MB46	1	PAD94C21522	CAS-07256	5615	SOIL & ROCK	11.4	753	10/17/1988	09/21/2001	C-333-A	C-333-A
C-337	MB46	2	PAD94C21599	CAS-07257	5615	SOIL & ROCK	11.4	753	10/17/1988	09/21/2001	C-333-A	C-333-A
C-337	MB46	1	PAD94C21505	CAS-07272	5615	SOIL & ROCK	11.4	753	10/17/1988	09/21/2001	C-333-A	C-333-A
C-337	MB46	1	PAD94C21537	CAS-07273	5615	SOIL & ROCK	11.4	753	10/17/1988	09/21/2001	C-333-A	C-333-A

C-337	MB46	1	PAD94C21506	CAS-07274	5615	SOIL & ROCK	11.4	753	10/17/1988	09/21/2001	C-333-A	C-333-A
C-337	MB46	1	PAD94C21561	CAS-07275	5615	SOIL & ROCK	11.4	782	10/17/1988	09/21/2001	C-333-A	C-333-A
C-337	MB46	1	PAD94C21530	CAS-07277	5615	SOIL & ROCK	11.4	782	10/17/1988	09/21/2001	C-333-A	C-333-A
C-337	MB46	1	PAD94C21562	CAS-07278	5615	SOIL & ROCK	11.4	782	10/17/1988	09/21/2001	C-333-A	C-333-A
C-337	MB46	2	PAD94C21568	CAS-07283	5615	SOIL & ROCK	11.4	782	10/17/1988	09/21/2001	C-333-A	C-333-A
C-337	MB46	1	PAD94C21563	CAS-07284	5615	SOIL & ROCK	11.4	782	10/17/1988	09/21/2001	C-333-A	C-333-A
C-337	MB46	1	PAD94C21564	CAS-07285	5615	SOIL & ROCK	11.4	782	10/17/1988	09/21/2001	C-333-A	C-333-A
C-337	MB46	1	PAD94C21596	CAS-07286	5615	SOIL & ROCK	11.4	782	10/17/1988	09/21/2001	C-333-A	C-333-A
C-337	MB46	1	PAD94C21509	CAS-07287	5615	SOIL & ROCK	11.4	782	10/17/1988	09/21/2001	C-333-A	C-333-A
C-337	MB46	1	PAD94C21521	CAS-07288	5615	SOIL & ROCK	11.4	787	10/17/1988	09/21/2001	C-333-A	C-333-A
C-337	MB46	1	PAD94C21553	CAS-07289	5615	SOIL & ROCK	11.4	782	10/17/1988	09/21/2001	C-333-A	C-333-A
C-337	MB46	1	PAD94C21554	CAS-07290	5615	SOIL & ROCK	11.4	782	10/17/1988	09/21/2001	C-333-A	C-333-A
C-337	MB46	2	PAD94C21541	CAS-07291	5615	SOIL & ROCK	11.4	782	10/17/1988	09/21/2001	C-333-A	C-333-A
C-337	MB46	2	PAD94C21542	CAS-07292	5615	SOIL & ROCK	11.4	782	10/17/1988	09/21/2001	C-333-A	C-333-A
C-337	MB46	2	PAD94C21567	CAS-07294	5615	SOIL & ROCK	11.4	782	10/17/1988	09/21/2001	C-333-A	C-333-A
C-337	MB46	1	PAD94C21549	CAS-07343	5616	SOIL & ROCK	11.4	687	10/18/1988	09/21/2001	C-333-A	C-333-A
C-337	MB46	1	PAD94C21517	CAS-07344	5616	SOIL & ROCK	11.4	758	10/18/1988	09/21/2001	C-333-A	C-333-A
C-337	MB46	1	PAD94C21550	CAS-07345	5616	SOIL & ROCK	11.4	758	10/18/1988	09/21/2001	C-333-A	C-333-A
C-337	MB46	1	PAD94C21518	CAS-07346	5616	SOIL & ROCK	11.4	758	10/18/1988	09/21/2001	C-333-A	C-333-A
C-337	MB46	1	PAD94C21502	CAS-07650	6461	TRENCH LINE CONCRETE	11.4	699	11/04/1988	09/21/2001	C-333-A	C-333-A
C-337	MB46	2	PAD94C21604	CAS-07672	6461	TRENCH LINE CONCRETE	11.4	704	11/04/1988	09/21/2001	C-333-A	C-333-A
C-337	MB46	2	PAD94C21603	CAS-07674	6461	TRENCH LINE CONCRETE	11.4	783	11/04/1988	09/21/2001	C-333-A	C-333-A
C-337	MB46	2	PAD94C21571	CAS-07675	6461	TRENCH LINE CONCRETE	11.4	781	11/04/1988	09/21/2001	C-333-A	C-333-A
C-337	MB46	1	PAD94C21534	CAS-07684	6461	TRENCH LINE CONCRETE	11.4	680	11/04/1988	09/21/2001	C-333-A	C-333-A
C-337	MB46	1	PAD94C21501	CAS-07685	6461	TRENCH LINE CONCRETE	11.4	680	11/04/1988	09/21/2001	C-333-A	C-333-A
C-337	MB46	2	PAD94C21614	CAS-07704	6461	TRENCH LINE CONCRETE	11.4	678	11/04/1988	09/21/2001	C-333-A	C-333-A
C-337	MB46	2	PAD94C21613	CAS-07705	6461	TRENCH LINE CONCRETE	11.4	756	11/04/1988	09/21/2001	C-333-A	C-333-A
C-337	MB46	2	PAD94C21582	CAS-07706	6461	TRENCH LINE CONCRETE	11.4	722	11/04/1988	09/21/2001	C-333-A	C-333-A
C-337	MB46	2	PAD94C21581	CAS-07707	6461	TRENCH LINE CONCRETE	11.4	780	11/04/1988	09/21/2001	C-333-A	C-333-A
C-337	MB46	2	PAD94C21609	CAS-07708	6461	TRENCH LINE CONCRETE	11.4	780	11/04/1988	09/21/2001	C-333-A	C-333-A
C-337	MB46	2	PAD94C21578	CAS-07709	6461	TRENCH LINE CONCRETE	11.4	759	11/04/1988	09/21/2001	C-333-A	C-333-A
C-337	MB46	2	PAD94C21577	CAS-07710	6461	TRENCH LINE CONCRETE	11.4	760	11/04/1988	09/21/2001	C-333-A	C-333-A
C-337	MB46	2	PAD94C21610	CAS-07711	6461	TRENCH LINE CONCRETE	11.4	793	11/04/1988	09/21/2001	C-333-A	C-333-A
C-337	MB46	1	PAD94C21545	CAS-07712	6461	TRENCH LINE CONCRETE	11.4	687	11/04/1988	09/21/2001	C-333-A	C-333-A
C-337	MB46	1	PAD94C21513	CAS-07713	6461	TRENCH LINE CONCRETE	11.4	687	11/04/1988	09/21/2001	C-333-A	C-333-A
C-337	MB46	1	PAD94C21514	CAS-07714	6461	TRENCH LINE CONCRETE	11.4	687	11/04/1988	09/21/2001	C-333-A	C-333-A
C-337	MB46	1	PAD94C21546	CAS-07715	6461	TRENCH LINE CONCRETE	11.4	687	11/04/1988	09/21/2001	C-333-A	C-333-A
C-337	MB46	1	PAD94C21525	CAS-07716	6461	TRENCH LINE CONCRETE	11.4	687	11/04/1988	09/21/2001	C-333-A	C-333-A
C-337	MB46	1	PAD94C21557	CAS-07717	6461	TRENCH LINE CONCRETE	11.4	687	11/04/1988	09/21/2001	C-333-A	C-333-A
C-337	MB46	1	PAD94C21558	CAS-07718	6461	TRENCH LINE CONCRETE	11.4	687	11/04/1988	09/21/2001	C-333-A	C-333-A
C-337	MB46	1	PAD94C21526	CAS-07719	6461	TRENCH LINE CONCRETE	11.4	687	11/04/1988	09/21/2001	C-333-A	C-333-A
C-337	MB46	2	PAD94C21623	CAS-07720	6461	TRENCH LINE CONCRETE	11.4	697	11/04/1988	09/21/2001	C-333-A	C-333-A
C-337	MB46	2	PAD94C21591	CAS-07721	6461	TRENCH LINE CONCRETE	11.4	697	11/04/1988	09/21/2001	C-333-A	C-333-A
C-337	MB46	1	PAD94C21592	CAS-07722	6461	TRENCH LINE CONCRETE	11.4	697	11/04/1988	09/21/2001	C-333-A	C-333-A

C-337	MB46	2	PAD94C21624	CAS-07723	6461	TRENCH LINE CONCRETE	11.4	697	11/04/1988	09/21/2001	C-333-A	C-333-A
C-337	MB46	2	PAD94C21616	CAS-07724	6461	TRENCH LINE CONCRETE	11.4	697	11/04/1988	09/21/2001	C-333-A	C-333-A
C-337	MB46	2	PAD94C21584	CAS-07725	6461	TRENCH LINE CONCRETE	11.4	697	11/04/1988	09/21/2001	C-333-A	C-333-A
C-337	MB46	2	PAD94C21583	CAS-07726	6461	TRENCH LINE CONCRETE	11.4	697	11/04/1988	09/21/2001	C-333-A	C-333-A
C-337	MB46	2	PAD94C21573	CAS-07728	6461	TRENCH LINE CONCRETE	11.4	697	11/04/1988	09/21/2001	C-333-A	C-333-A
C-337	MB46	2	PAD94C21574	CAS-07729	6461	TRENCH LINE CONCRETE	11.4	697	11/04/1988	09/21/2001	C-333-A	C-333-A
C-337	MB46	2	PAD94C21606	CAS-07730	6461	TRENCH LINE CONCRETE	11.4	697	11/04/1988	09/21/2001	C-333-A	C-333-A
C-337	MB46	2	PAD94C21605	CAS-07731	6461	TRENCH LINE CONCRETE	11.4	697	11/04/1988	09/21/2001	C-333-A	C-333-A
C-337	MB46	2	PAD94C21626	CAS-07740	6462	TRENCH LINE CONCRETE	11.4	683	11/07/1988	09/21/2001	C-333-A	C-333-A
C-337	MB46	2	PAD94C21594	CAS-07741	6462	TRENCH LINE CONCRETE	11.4	683	11/07/1988	09/21/2001	C-333-A	C-333-A
C-337	MB46	2	PAD94C21585	CAS-07742	6462	TRENCH LINE CONCRETE	11.4	687	11/07/1988	09/21/2001	C-333-A	C-333-A
C-337	MB46	2	PAD94C21617	CAS-07743	6462	TRENCH LINE CONCRETE	11.4	683	11/07/1988	09/21/2001	C-333-A	C-333-A
C-337	MB46	2	PAD94C21625	CAS-07744	6462	TRENCH LINE CONCRETE	11.4	683	11/07/1988	09/21/2001	C-333-A	C-333-A
C-337	MB46	2	PAD94C21618	CAS-07745	6462	TRENCH LINE CONCRETE	11.4	683	11/07/1988	09/21/2001	C-333-A	C-333-A
C-337	MB46	2	PAD94C21593	CAS-07746	6462	TRENCH LINE CONCRETE	11.4	683	11/07/1988	09/21/2001	C-333-A	C-333-A
C-337	MB46	2	PAD94C21586	CAS-07747	6462	TRENCH LINE CONCRETE	11.4	683	11/07/1988	09/21/2001	C-333-A	C-333-A
C-337	MB46	2	PAD94C21575	CAS-07748	6462	TRENCH LINE CONCRETE	11.4	793	11/07/1988	09/21/2001	C-333-A	C-333-A
C-337	MB46	2	PAD94C21607	CAS-07749	6462	TRENCH LINE CONCRETE	11.4	758	11/07/1988	09/21/2001	C-333-A	C-333-A
C-337	MB46	2	PAD94C21576	CAS-07750	6462	TRENCH LINE CONCRETE	11.4	718	11/07/1988	09/21/2001	C-333-A	C-333-A
C-337	MB46	2	PAD94C21608	CAS-07751	6462	TRENCH LINE CONCRETE	11.4	680	11/07/1988	09/21/2001	C-333-A	C-333-A
C-337	MB46	2	PAD94C21621	CAS-07752	6462	TRENCH LINE CONCRETE	11.4	683	11/07/1988	09/21/2001	C-333-A	C-333-A
C-337	MB46	2	PAD94C21589	CAS-07753	6462	TRENCH LINE CONCRETE	11.4	683	11/07/1988	09/21/2001	C-333-A	C-333-A
C-337	MB46	2	PAD94C21622	CAS-07754	6462	TRENCH LINE CONCRETE	11.4	683	11/07/1988	09/21/2001	C-333-A	C-333-A
C-337	MB46	2	PAD94C21590	CAS-07755	6462	TRENCH LINE CONCRETE	11.4	687	11/07/1988	09/21/2001	C-333-A	C-333-A
C-337	MB46	2	PAD94C21588	CAS-07792	6462	TRENCH LINE CONCRETE	11.4	700	11/07/1988	09/21/2001	C-333-A	C-333-A
C-337	MB46	2	PAD94C21587	CAS-07793	6462	TRENCH LINE CONCRETE	11.4	700	11/07/1988	09/21/2001	C-333-A	C-333-A
C-337	MB46	2	PAD94C21619	CAS-07795	6462	TRENCH LINE CONCRETE	11.4	683	11/07/1988	09/21/2001	C-333-A	C-333-A
C-337	MB46	2	PAD94C21579	CAS-07796	6462	TRENCH LINE CONCRETE	11.4	700	11/07/1988	09/21/2001	C-333-A	C-333-A
C-337	MB46	2	PAD94C21611	CAS-07797	6462	TRENCH LINE CONCRETE	11.4	700	11/07/1988	09/21/2001	C-333-A	C-333-A
C-337	MB46	2	PAD94C21580	CAS-07798	6462	TRENCH LINE CONCRETE	11.4	700	11/07/1988	09/21/2001	C-333-A	C-333-A
C-337	MB46	1	PAD94C21533	CAS-07656	6461	TRENCH LINE CONCRETE	11.4	699	10/17/1998	09/21/2001	C-333-A	C-333-A

TOTALS 1,333.8 83,857

FT3 LBS

C-337-30 REUSABLE MATERIAL INVENTORY								
Description	Original E#	Material Classification	'Column #	Barcode	# Items	Estimated Volume (ft^3)	Estimated Weight (lbs)	Material Transferred to USEC
(4) UF4 Drums	E00019	Reusable	Zone 5	DMSAOI10704	4	46	6,000	No
(4) UF4 Drums	E00020	Reusable	Zone 5	DMSAOI10705	4	46	6,000	No
(4) UF4 Drums	E00201	Reusable	Zone 5	DMSAOI10706	4	46	6,000	No
(4) UF4 Drums	E00202	Reusable	Zone 5	DMSAOI10707	4	46	6,000	No
(4) UF4 Drums	E00203	Reusable	Zone 5	DMSAOI10708	4	46	6,000	No
(4) UF4 Drums	E00204	Reusable	Zone 5	DMSAOI10709	4	46	6,000	No
(4) UF4 Drums	E00205	Reusable	Zone 5	DMSAOI10710	4	46	6,000	No
(4) UF4 Drums	E00206	Reusable	Zone 5	DMSAOI10711	4	46	6,000	No
/4) UF4 Drums	E00207	Reusable	Zone 3	DMSAOI10712	4	46	6,000	No
(4) UF4 Drums	E00208	Reusable	Zone 3	DMSAOI10713	4	46	6,000	No
(4) UF4 Drums	E00209	Reusable	Zone 3	DMSAOI10714	4	46	6,000	No
(4) UF4 Drums	E00210	Reusable	Zone 3	DMSAOI10715	4	46	6,000	No

Total Estimated Volume (ft^3)	*Total Estimated Weight (lbs)*
552	**72,000**

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