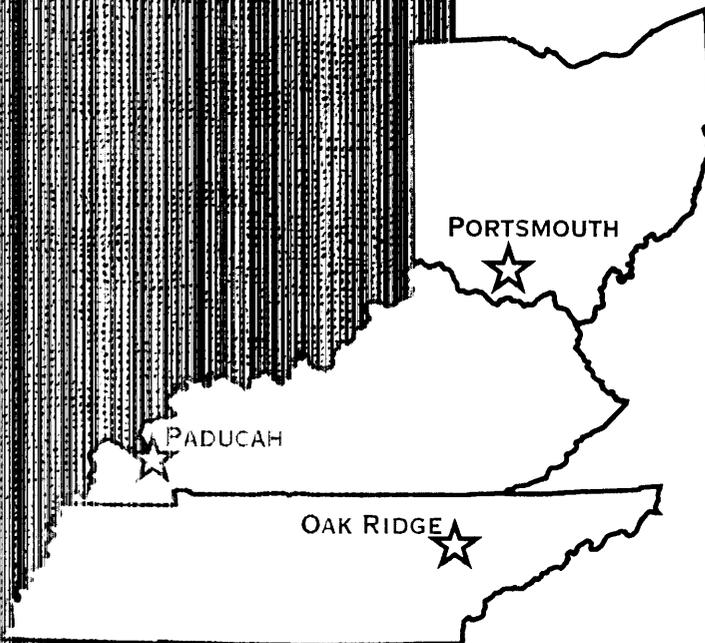




BJC/PAD-411

ENVIRONMENTAL MANAGEMENT
& ENRICHMENT FACILITIES
MANAGEMENT AND INTEGRATION CONTRACT

**Final Inventory/Characterization
Report for the C-400-01
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.

**Final Inventory/Characterization Report for the C-400-01
Department of Energy Material Storage Area (DMSA)
at the Paducah Gaseous Diffusion Plant,
Paducah, Kentucky**

Date Issued – September 11, 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-400-01 DMSA ZONE MAP

HP SURVEY DATA

HP SMEAR AND **AIR** SAMPLE ACTIVITY REPORT

SME INSPECTION / SAMPLING SUMMARY

OREIS CHARACTERIZATION REPORT

RFD FORMS

D & D CHARACTERIZATION FORMS

CONTENTS

ACRONYMS.....v

EXECUTIVE SUMMARY.....vii

PHOTOGRAPHS

INVENTORY AND CHARACTERIZATION REPORT

WASTE IDENTIFIED FOR REMOVAL

DMSA C-400-01 INVENTORY

D & D INVENTORY

ACRONYMS

ACM	Asbestos Containing Material
ADC	Authorized Derivative Classifier
BEF	Equipment Field Blank
D&D	Decontamination and Decommission
DMSA	Department of Energy Materials Storage Area
DOE	Department of Energy
dpm	Disintegrations per Minute
EPA	Environmental Protection Agency
FCA	Fissile Control Area
ft²	Square Feet
ft³	Cubic Feet
HP	Health Physics
IH	Industrial Hygiene
lbs	Pounds
Lc	Level Sub C
LLW	Low Level Waste
MDA	Minimum Detectable 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
SWMU	Solid Waste Management Unit
TCLP	Toxicity Characteristic Leaching Procedure
TIO	Technical Information Officer
TLV	Threshold Limit Value
TSCA	Toxic Substance Control Act
USEC	United States Enrichment Corporation
VOA	Volatile Organic Analysis

EXECUTIVE SUMMARY

Department of Energy Materials Storage Area (DMSA) C-400-01 is located in the west bay of C-400 Chemical Operations Facility at the intercept of Column Lines B and four. It is also identified as Solid Waste Management Unit (SWMU) #349. DMSA C-400-01 contains two separate fixed systems that were abandoned in place. The first system is a Blakeslee degreaser, which used trichloroethane to clean small parts/equipment. The second system is a process to recover uranium from contaminated alumina material. This system was commonly referred to as the "Dissolver". The two systems occupy an area of approximately 700 square feet (ft²). It is estimated that the degreaser operated in the 1970s-1980s and the uranium recovery system operated in the 1960s-1970s. During the characterization program, the DMSA was divided into four zones to aid in equipment location and identification. In addition to the two systems and their related components, there were numerous smaller items unrelated to the processes that were characterized. Miscellaneous wooden, plastic and metal parts were also identified in the DMSA. This DMSA was initially classified as a Phase 2 DMSA since it was not fully characterized and had items possibly containing fissionable material. Although characterization is now complete, the DMSA will remain a Phase 2 since it has been characterized as having fissionable material.

RCRA/Mixed

Two plastic bottles marked Penetone (a cleaning solution) were characterized. One bottle was sampled and the material classified as Resource Conservation and Recovery Act (RCRA) hazardous for metals; however all of the waste was used during the sampling/laboratory analysis. Both bottles were verified as RCRA empty; therefore, no Penetone remains to be handled as RCRA waste. A five gallon container of oil consolidated from several oil reservoirs in the uranium recovery system (Dissolver) was characterized as RCRA/Toxic Substances Control Act (TSCA)/Mixed waste. The oil was labeled appropriately and transported to the C-752-A RCRA permitted storage facility.

TSCA/PCB

The oil removed from the reservoir of the uranium recovery systems (Dissolver) was consolidated and characterized as TSCA/polychlorinated biphenyl (PCB)/low level waste (LLW). This oil was also classified as RCRA/Mixed (see information under RCRA/Mixed).

LLW

All of the equipment/material in DMSA C-400-01 was radioactively contaminated and was classified as LLW; however, some equipment/material had additional classifications such as RCRA, TSCA, and/or Fissile. The LLW remains in the DMSA.

D&D

The alumina uranium recovery system (Dissolver) had been identified as a TSCA/PCB system prior to the current characterization program. During the characterization program, oil drained from the system was characterized as TSCA/PCB/LLW, which substantiated the previous

classification. Review of the TSCA regulations provided additional information/classification.¹ The Blakeslee degreaser was characterized as LLW. Both systems will be handled in the future under the decontamination and decommission (D&D) program and will remain in place.

NCS

Three items in the DMSA (two C-310 alumina traps and a vacuum cleaner) were classified as Nuclear Criticality Safety (NCS) spacing controlled items. These items were spaced appropriately and are being managed in a Fissile Control Area (FCA) within the DMSA.

IH

All Industrial Hygiene (IH) data has been reviewed. All quality control samples were within normal acceptable guidelines. No personnel were exposed to any airborne concentration above a permissible exposure limit (PEL) or threshold limit value (TLV).

HP

The Health Physics (HP) radiological surveys concluded the highest alpha reading was 8,288 disintegrations per minute (dpm)/100cm² on the Dissolver tank. The highest beta/gamma reading was 5,616,000 dpm/100cm² on a quart size/250ml widemouth container.

Safety

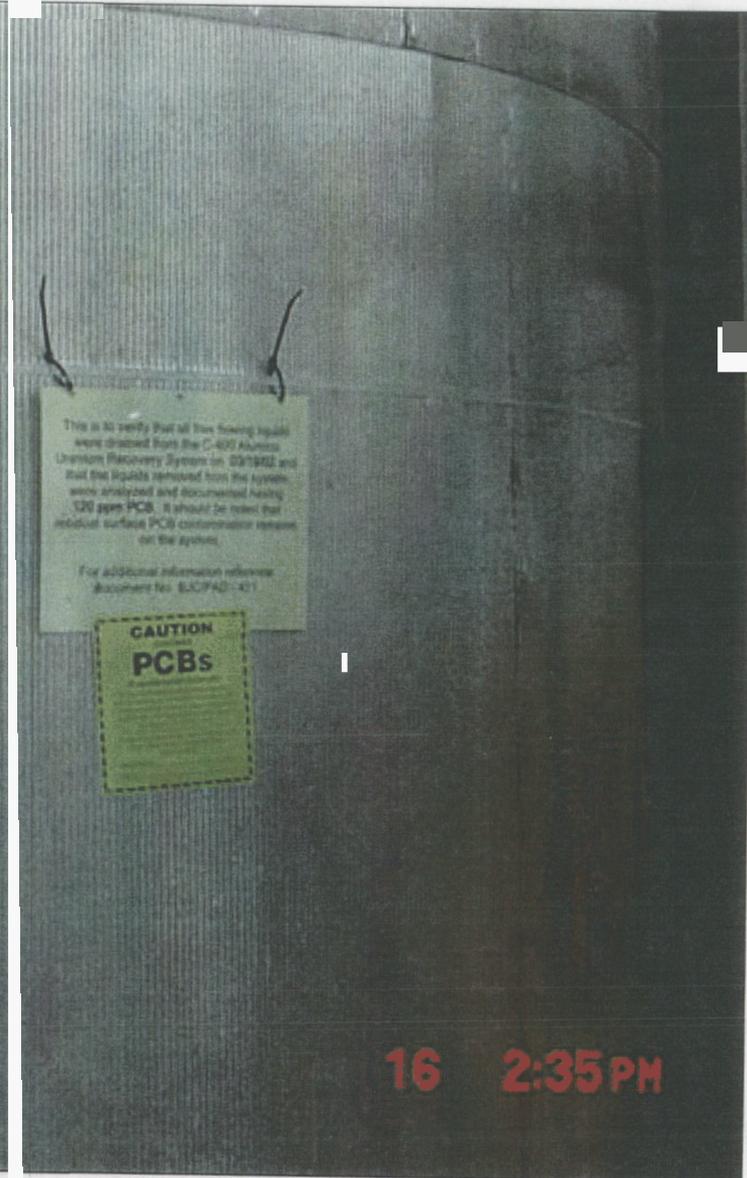
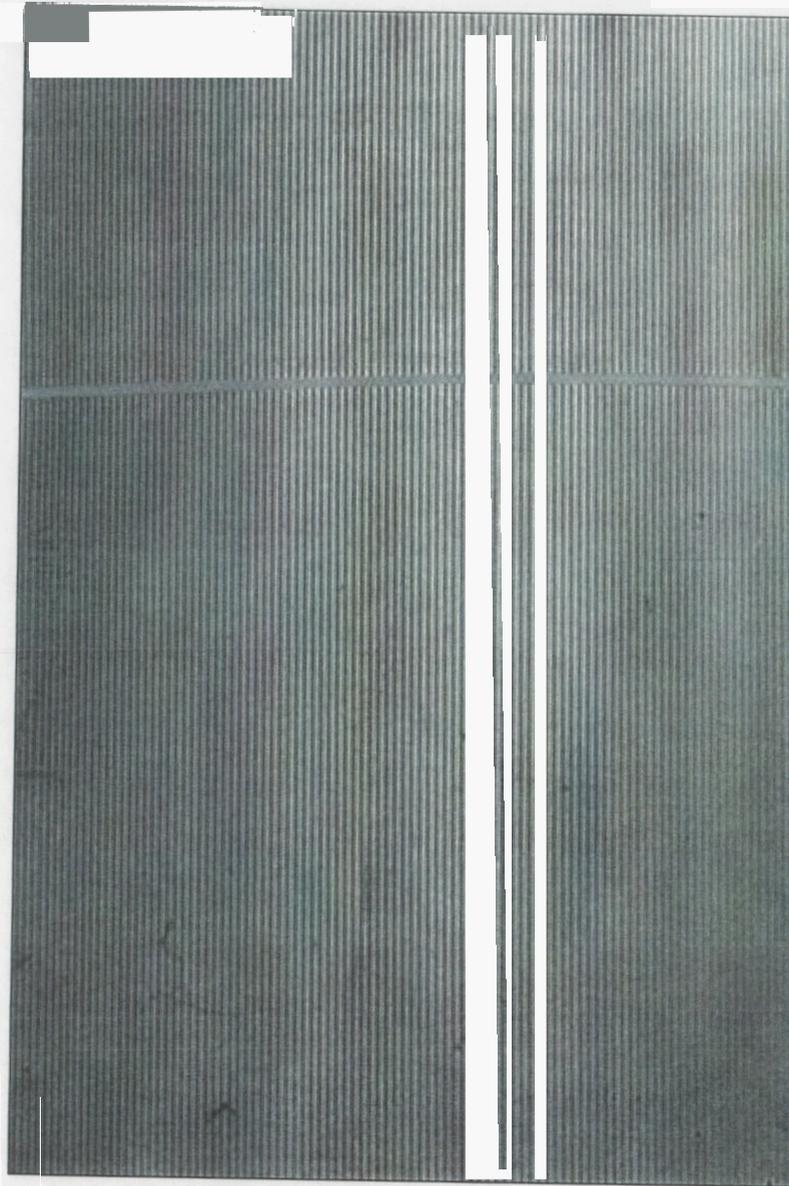
There were no safety related events during the characterization process. All workers had stop work authority to assure unusual or unexpected work situations would be evaluated before proceeding. To help minimize the possible spread of contamination and to help ensure the safety of building personnel, the work in the DMSA was conducted on the off shift when building personnel were not present. All DMSA personnel entering the DMSA were required to wear respirator protection. A safety officer was present during all entry activities to assure proper safety actions. All personnel exiting the DMSA were monitored for contamination to provide personal safety and to prevent the possible spread of contamination.

All actions that were involved in this characterization activity were documented and the documents have been retained in permanent files. Part of the documentation also included photographs of each equipment item. Several of these photographs are included in this report. The remainder is on file.

¹ All free flowing liquids were removed from the alumina uranium recovery system (Dissolver) during the characterization program and documented to contain less than 500 parts per million (ppm) PCB (120 ppm PCB); therefore, this system is not regulated under TSCA for storage or disposal under **Subpart D, J and K** of 40CFR761 "Polychlorinated Biphenyls (PCBs) Manufacturing, Processing, Distribution in Commerce and Use Prohibition."

DMSA C-400-01 No. 1 Dissolver Equipment

h1



This is to verify that all flow leaving liquid
were drained from the C-400 Alumina
Uranium Recovery System on 03/16/02 and
that the liquids removed from the system
were analyzed and documented having
120 ppm PCB. It should be noted that
residual surface PCB contamination remains
on the system.

For additional information reference
document for: EUCPAD-411

CAUTION
PCBs

16 2:35 PM

DMSA C-400-01 No. 1 Dissolver Equipment

15



This is to verify that all free flowing liquids were drained from the C-400 Alumina Uranium Recovery System on 03/19/02 and that the liquids removed from the system were analyzed and documented having 120 ppm PCB. It should be noted that residual surface PCB contamination remains on the system.

For additional information reference document No. BJC/PAD - 411.

CAUTION
CONTAINS
PCBs
Polychlorinated Biphenyls
This equipment contains polychlorinated biphenyls (PCBs) which are known to be carcinogenic. PCBs are also known to be reproductive toxicants. PCBs are also known to be neurotoxicants. PCBs are also known to be immunotoxicants. PCBs are also known to be endocrine disruptors. PCBs are also known to be developmental toxicants. PCBs are also known to be reproductive toxicants. PCBs are also known to be neurotoxicants. PCBs are also known to be immunotoxicants. PCBs are also known to be endocrine disruptors. PCBs are also known to be developmental toxicants. PCBs are also known to be reproductive toxicants. PCBs are also known to be neurotoxicants. PCBs are also known to be immunotoxicants. PCBs are also known to be endocrine disruptors. PCBs are also known to be developmental toxicants.

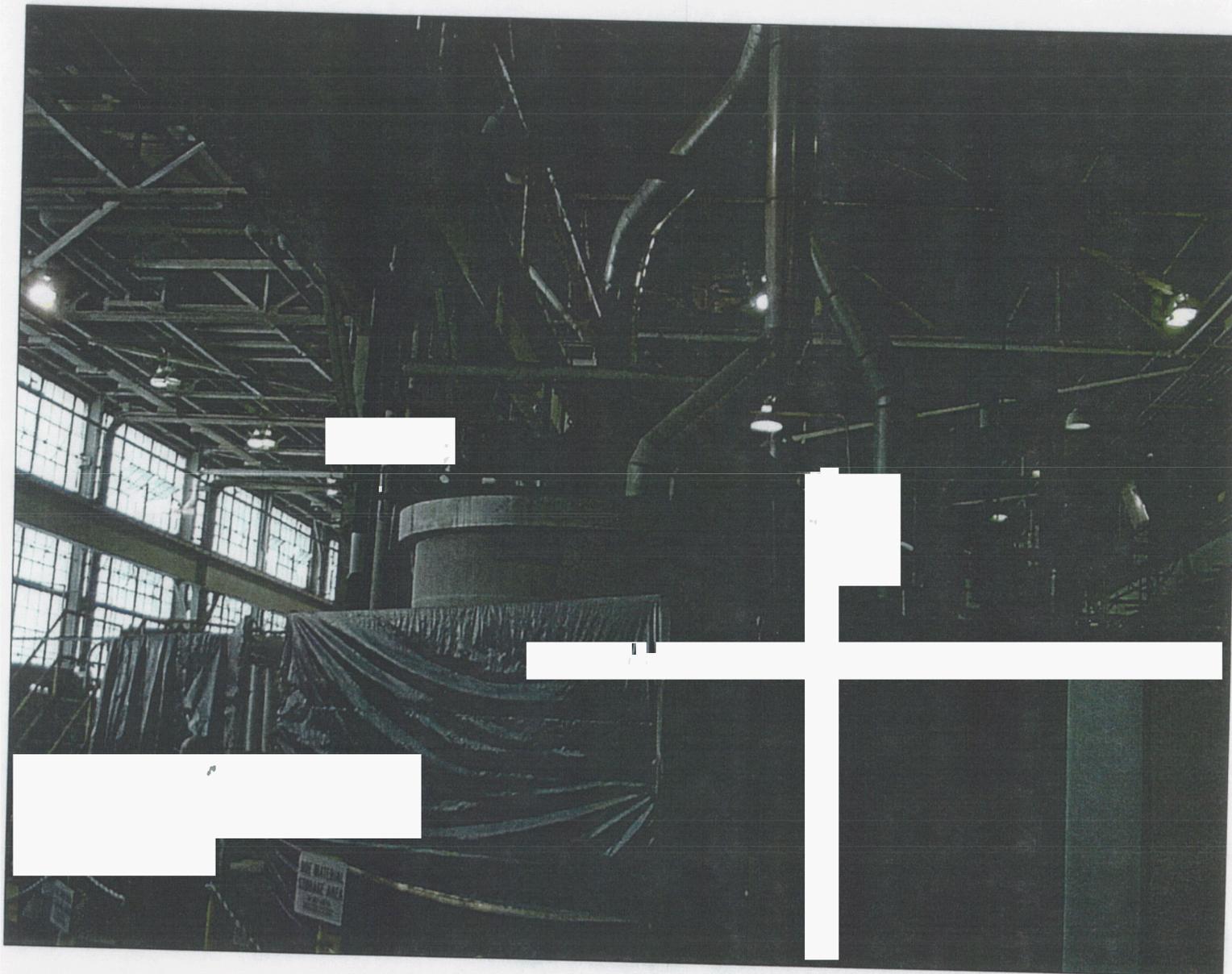
16 2:33 PM

DMSA C-400-01 Dissolver Tank

16



DMSA C-400-01 Dissolver Equipment



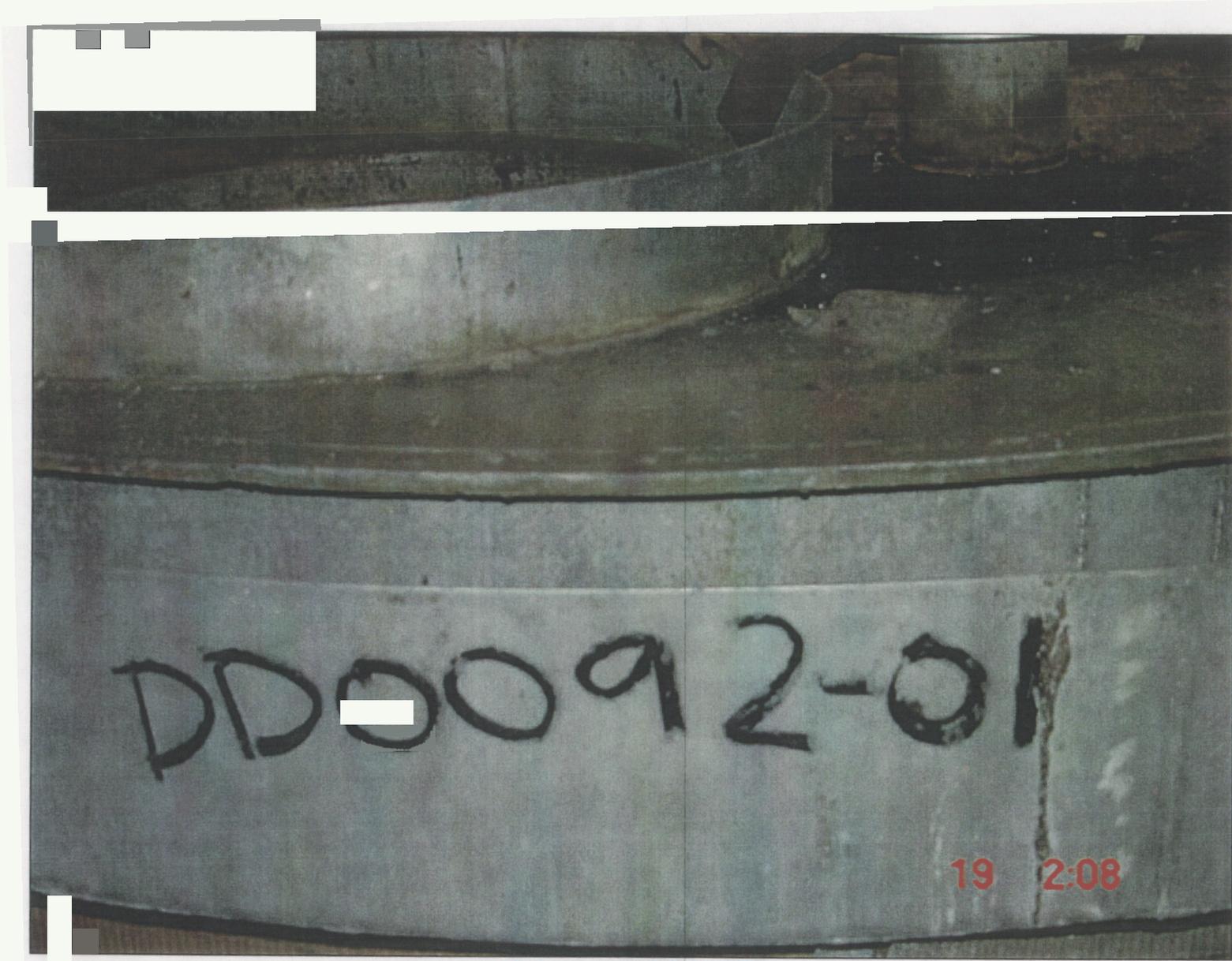
17

DMSA C-400-01 Waste Generation Collection for Plastic



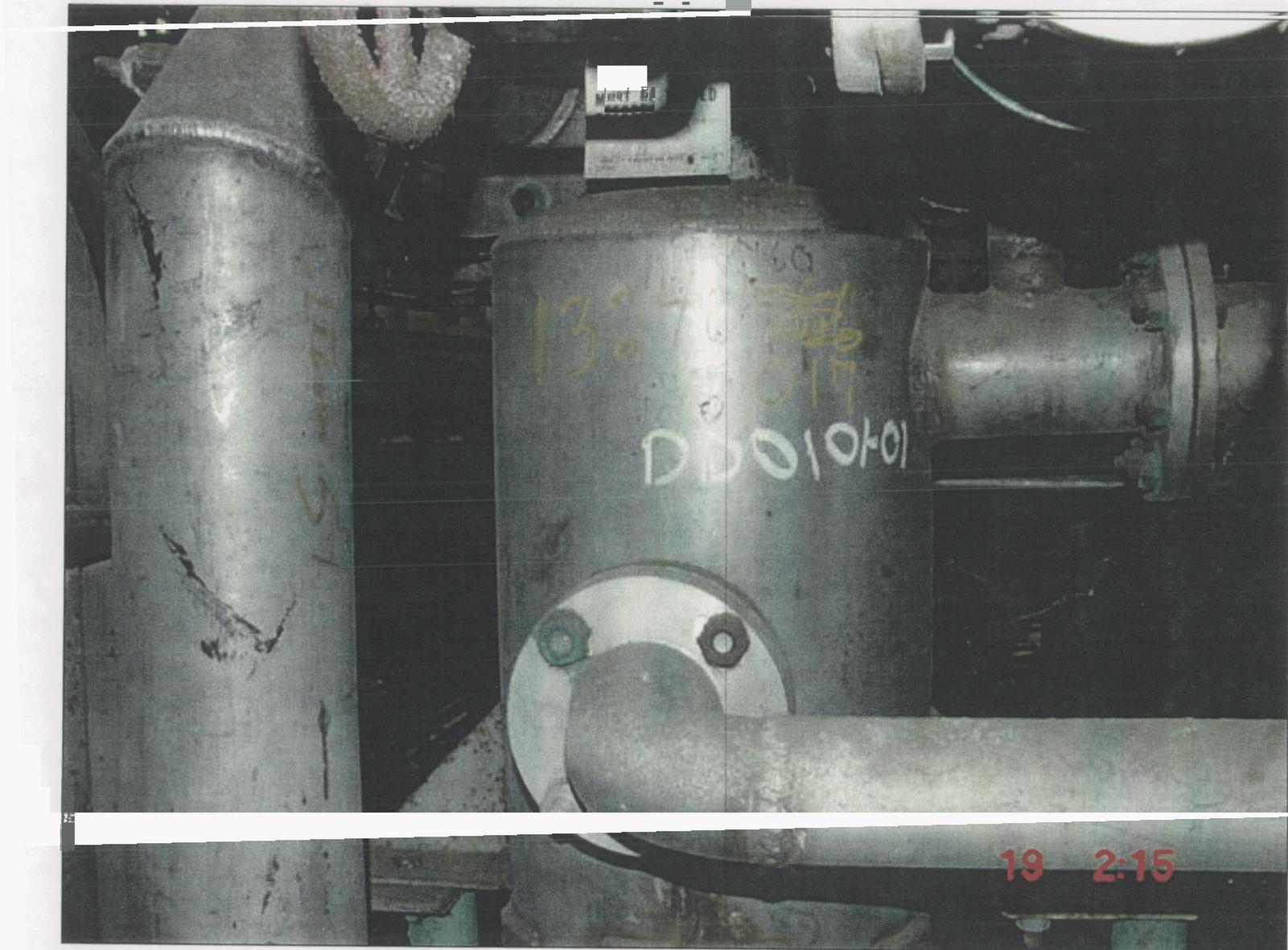
18

DMSA C-400-01 Dissolver Tank



19

DMSA C-400-01 Vacuum Receivers



20

DMSA C-400-01 Vacuum Cleaner



21

Inventory And Characterization Report

<i>Curr. Zone</i>	<i>Item ID</i>	<i>Barcode#</i>	<i>Description</i>	<i>Vol. ft3</i>	<i>tscanon</i>	<i>tscamix</i>	<i>rcranon</i>	<i>rcramix</i>	<i>llw</i>	<i>asb</i>	<i>fis</i>	<i>Ind</i>	<i>Gen. Date</i>	<i>Char. Date</i>	<i>Transferred To</i>
C-400-01															
ZONE	112426-01	DMSA0216676	1-WASTE GENERATION FOR SCRAPMETAL	7.4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3/18/02	3/18/02	
ZONE	112427-01	DMSA0216817	1-WASTE GENERATION FOR PLASTIC	7.4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3/18/02	3/18/02	
ZONE	112428-01	PAD02C05017	5 GAL DRUM CONTAINING OIL	0.67	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3/19/02	3/19/02	C-752-A
ZONE	112429-01	DMSA0216679	1 QT PLASTIC BOTTLE CONSUMED IN LAB ANALYSES	0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3/19/02	3/19/02	
ZONE	112430-01	DMSA0216680	1-PINT PLASTIC BOTTLE CONSUMED IN LAB ANALYSES	0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3/19/02	3/19/02	
ZONE	112431-01	DMSA0216681	1- QT PLASTIC BOTTLE W/THICK OIL SUBSTANCE	0.1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3/19/02	3/19/02	
ZONE	112432-01	DMSA0216682	1- QT BOTTLE W/ BLUE SOLUTION CONSUMED IN LAB ANALYSES	0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3/19/02	3/19/02	
ZONE	112433-01	DMSA0216683	1-TUBE OF DRIED OUT GASKET ADHESIVE	0.01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3/19/02	3/19/02	
ZONE	112437-01	DMSA0216687	1- 4 WHEEL WAGON	27	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3/19/02	3/19/02	
ZONE	112438-01	DMSA0216688	1-WORK TABLE / CABINET	60	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3/19/02	3/19/02	
ZONE	112440-01	DMSA0216690	METAL PAN ON CASTORS	72	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3/19/02	3/19/02	
ZONE	112441-01	DMSA0216691	METAL FRAME COVERED IN BLACK PLASTIC	8	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3/18/02	3/18/02	
ZONE	112442-01	DMSA0216692	MULTIPLE ACTUATORS	1.5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3/19/02	3/19/02	
ZONE	112443-01	DMSA0216693	1-TABLE	4.5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3/19/02	3/19/02	
ZONE	112455-01	DMSA0216813	1-METAL FRAME COVERED WITH BLACK PLASTIC	10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3/25/02	3/25/02	

Thursday, August 22, 2002

Page 1 of 2

Legend

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

<i>Curr. Zone</i>	<i>Item ID</i>	<i>Barcode #</i>	<i>Description</i>	<i>Vol</i>	<i>nsb</i>	<i>nsb</i>	<i>nsb</i>	<i>nsb</i>	<i>llw</i>	<i>nsb</i>	<i>fis</i>	<i>Ind</i>	<i>Date</i>	<i>Date</i>	<i>Transferred</i>	
ZONE	112457-01	DMSA0216815	METAL FRAME COVERED WITH BLACK PLASTIC	10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3/25/02	3/25/02		
ZONE 2	112436-01	DMSA0216686	1-VACUUM CLEANER	16	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3/19/02	3/19/02						
ZONE 2	112453-01	DMSA0216811	1-METAL FRAME COVERED WITH BLACK PLASTIC	10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3/25/02	3/25/02		
ZONE 2	112454-01	DMSA0216812	1-METAL FRAME COVERED WITH BLACK PLASTIC	10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3/25/02	3/25/02		
ZONE 2	112456-01	DMSA0216814	METAL FRAME COVERED WITH BLACK PLASTIC	10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3/25/02	3/25/02		
ZONE 3	112448-01	DMSA0216807	METAL FRAME	10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3/25/02	3/25/02		
ZONE 4	112409-01	DMSA0216671	1-TRAP	2.5	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3/17/02	3/17/02						
ZONE 4	112410-01	DMSA0216672	1-TRAP	2.5	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3/17/02	3/17/02						
ZONE 4	112434-01	DMSA0216684	1-QT BOTTLE W/ 3/4 HEAVY SUBSTANCE	0.1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3/19/02	3/19/02		
ZONE 4	112435-01	DMSA0216685	DEEP STAINLESS PAN CONTAINING SLUDGE	4.75	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3/19/02	3/19/02		
ZONE 4	112445-01	DMSA0216804	LONG HANDLED WRENCH	0.2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3/21/02	3/21/02						
ZONE 4	112446-01	DMSA0216805	DRUM HOLDER MADE OF METAL TUBING	3.5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3/21/02	3/21/02		
ZONE 4	112447-01	DMSA0216806	1-FILTER BASKET	0.4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3/21/02	3/21/02		
ZONE 4	112450-01	DMSA0216809	1-METAL FRAME COVERED WITH BLACK PLASTIC	10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3/25/02	3/25/02		
ZONE 4	112451-01	DMSA0216810	1-METAL FRAME COVERED WITH BLACK PLASTIC	10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3/25/02	3/25/02		
ZONE 8	112449-01	DMSA0216808	METAL FRAME COVERED WITH BLACK PLASTIC	10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3/25/02	3/25/02						
Summary for C-400-01 (31 RFDs)				308.53 Ft3												

Grand Total (31 RFDs)

308.53 Total Ft3

Waste Material	Original RFD #	Material Classification	Column #	Barcode	# Items	Estimated Volume (ft³)	Estimated Weight (lbs)	Material Transferred to USEC
5 Gallon Drum containing Oil	112428	RCRA/MIXED/ TSCA	C-752-A	PAD02C05017	1	0.67	38	No

Total Estimated Volume (ft3)
0.67

Total Estimated Weight (lbs)
38

h e

C-400-01 DMSA INVENTORY

Description	Original RFD #	Material Classification	Column #	Barcode	# Items	Estimated Volume (ft ³)	Estimated Weight (lbs)	Material Transferred to USEC
Trap	112409	FISSILE	Zone 4	DMSA0216617	1	2.50	300	No
Trap	112410	FISSILE	Zone 4	DMSA0216672	1	2.50	300	No
Waste Generator Container (Metal)	112426	LLW	400-01	DMSA0216816	1	7.40	400	No
Waste Generator Container (Plastic)	112427	LLW	400-01	DMSA0216817	1	7.40	50	No
5 Gallon Drum containing Oil	112428	RCRA/MIXED/ TSCA	C-752-A	PAD02C05017	1	0.67	38	No
1 Quart Plastic Bottle with Diamond Hazard Label	112429	LLW	Consumed in Lab	DMSA0216679	1	-	-	No
1 Pint Size Plastic Bottle with Diamond Hazard Label	112430	LLW	Consumed in Lab	DMSA0216680	1	-	-	No
1 Quart Plastic Bottle with Thick Oil Substance	112431	LLW	Zone 3	DMSA0216681	1	0.10	0.50	No
1 Quart Size Bottle containing Blue Solution	112432	LLW	Consumed in Lab	DMSA0216682	1	-	-	No
Tube of Dried Out Gasket Adhesive	112433	LLW	Zone 3	DMSA0216683	1	0.01	0.10	No
1 Quart Size Bottle with 3/4 Full of Heavy Substance	112434	LLW	Zone 4	DMSA0216684	1	0.10	10	No

**Subtotal Est.
Volume(ft3)
20.68**

25

Description	Original RFD #	Material Classification	Column #	Barcode	# Items	Estimated Volume (ft ³)	Estimated Weight (lbs)	Material Transferred to USEC
2'x1.5' Deep Stainless Steel Pan containing Sludge Residue	112435	LLW	Zone 4	DMSA0216685	1	4.75	50	No
Vacuum Cleaner	112436	FISSILE	Zone 1	DMSA0216686	1	16	300	No
4 Wheel Wagon	112437	LLW	Zone 1	DMSA0216687	1	27	300	No
Work Table/Cabinet	112438	LLW	Zone 2	DMSA0216688	1	60	750	No
Heavy Metal Pan on Casters	112440	LLW	400-01	DMSA0216690	1	72	150	No
Metal Frame covered in Black Plastic	112441	LLW	400-01	DMSA0216691	1	8	75	No
Multiple B OP Actuators	112442	LLW	Zone 3 & 4	DMSA0216692	1	1.50	160	No
Table	112443	LLW	400-01	DMSA0216693	1	4.50	75	No
Long Handled Wrench	112445	LLW	Zone4	DMSA0216804	1	0.20	10	No
Drum Holder	112446	LLW	Zone4	DMSA0216805	1	3.50	50	No
Filter Basket	112447	LLW	Zone4	DMSA0216806	1	0.40	5	No
Metal Frame	112448	LLW	Zone3	DMSA0216807	1	10	75	No
Metal Frame covered with Black Plastic	112449	LLW	Zone3	DMSA0216808	1	10	90	No
Metal Frame covered with Black Plastic	112450	LLW	Zone4	DMSA0216809	1	10	90	No
Metal Frame covered with Black Plastic	112451	LLW	Zone4	DMSA0216810	1	10	90	No
Metal Frame covered with Black Plastic	112453	LLW	Zone 2	DMSA0216811	1	10	90	No

**Subtotal Est.
Volume(ft3)
247.85**

**Subtotal Est.
Weight (lbs)
2,360**

26

Description	Original RFD #	Material Classification	Column #	Barcode	# Items	Estimated Volume (ft³)	Estimated Weight (lbs)	Material Transferred to USEC
Metal Frame covered with Black Plastic	112454	LLW	Zone2	DMSA0216812	1	10	90	No
Metal Frame covered with Black Plastic	112455	LLW	Zone2	DMSA0216813	1	10	90	No
Metal Frame covered with Black Plastic	112456	LLW	Zone2	DMSA0216814	1	10	90	No
Metal Frame covered with Black Plastic	112457	LLW	Zone 1	DMSA0216815	1	10	90	No

Grand Totals 308.53 3,818.6

27

C-400-01 D&D INVENTORY

Description	Original DD#	Material Classification	Column #	Barcode	# Items	Estimated Volume (ft ³)	Estimated Weight (lbs)	Material Transferred to USEC
3,000 Gallon Dissolver								
Pumps	DD0092	TSCA/LLW	Zone 4	DMSA0216655	1	400	3,000	No
1,400 Gallon Precoat Tank includes Piping-Flow Meter	DD0093	TSCNLLW	Zone 4	DMSA0216657	1	166	1,000	No
Durco Pump 23	DD0094	TSCNLLW	Zone 2	DMSA0216658	1	16	800	No
Durco Pump 239	DD0095	TSCNLLW	Zone 2	DMSA0216656	1	16	800	No
Precoat Filter	DD0096	TSCNLLW	Zone 2	DMSA0216659	1	125	4,500	No
3,000 Gallon Filtrate Tank and Associated Piping	DD0097	TSCNLLW	Zone 2	DMSA0216665	1	400	3,000	No
LaBour Pump 302	DD0098	TSCNLLW	Zone 2	DMSA0216661	1	16	800	No
LaBour Pump 273	DD0099	TSCNLLW	Zone 2	DMSA0216662	1	16	800	No
Nash Hytor Vacuum Pump	DDOIOO	TSCNLLW	Zone 2	DMSA0216663	1	24	1,500	No
(2) Vacuum Receivers including Piping & Mist Filter	DDOIOI	TSCNLLW	Zone 2	DMSA0216664	1	7	300	No
Steel Deck and Stairs	DD0102	TSCNLLW	Zone 1-4	DMSA0216668	1	80	17,600	No
B Tank	DD0103	TSCNLLW	Zone 4	DMSA0216670	1	450	6,000	No
Degreaser	DD0106	LLW	Zone 1	DMSA0216675	1	640	12,000	No

28

Total Estimated Volume (ft³)
2,356

Total Estimated Weight (lbs)
52,100