NNSA

Department of Energy
National Nuclear Security Administration
Albuquerque Operations Office
Office of Kirtland Site Operations
P.O. Box 5400
Albuquerque, New Mexico 87185-5400

SEP 24 2002

CERTIFIED MAIL-RETURN RECEIPT REQUESTED

Mr. John E. Kieling, Program Manager
New Mexico Environment Department
Hazardous Waste Bureau
Permits Management Program
2905 Rodeo Park Rd., Building E
Santa Fe, NM 87505

Dear Mr. Kieling:

On behalf of the Department of Energy (DOE) and Sandia Corporation, DOE is submitting the enclosed Quarterly Report for the Corrective Action Management Unit (CAMU) operated at Sandia National Laboratories-New Mexico. This report is submitted in accordance with the record-keeping and reporting requirements of the Class III Permit Modification for the CAMU. The reporting period covers April, 2002 through June, 2002.

If you have any questions, please contact Joe Estrada [(505) 845-5326] of my staff.

Sincerely,

Michael J. Zamorski
Director

cc w/encl.:
G. Miller, USEPA, Region 6 (via Certified Mail)
W. Moats, NMED-HWB (2 copies)
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SEP 24 2002

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cc w/o encl.:
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Sandia National Laboratories/New Mexico

CORRECTIVE ACTION MANAGEMENT UNIT QUARTERLY REPORT April 2002 – June 2002

July 2002

Environmental Restoration Project

United States Department of Energy
Albuquerque Operations Office
Office of Kirtland Site Operations

QUARTERLY REPORT
April - June 2002

Facility: Corrective Action Management Unit

Location: Sandia National Laboratories
Kirtland Air Force Base
Albuquerque, New Mexico

EPA ID No.: NM5890110518

Permit Basis: Class III Permit Modification for the Management of Hazardous Remediation Waste in the Corrective Action Management Unit, Technical Area III, Sandia National Laboratories, Environmental Restoration Project, September 1997, Final

Owner and Co-Operator: U.S. Department of Energy
Albuquerque Operations Office
Office of Kirtland Site Operations
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1.0 INTRODUCTION

This quarterly report is submitted to fulfill requirements outlined in the Corrective Action Management Unit (CAMU) permit and subsequent correspondence from the U.S. Environmental Protection Agency (EPA).

The period reported herein is April 2002 through June 2002, the fourteenth quarter of active waste management operations for the facility.

2.0 ACTIVITIES CONDUCTED

The following subsections summarize waste management and site operations that were performed at the CAMU during this reporting period.

2.1 Waste Acceptance and Storage

2.1.1 Waste Sources

Wastes received and/or currently stored in the CAMU facility were generated from the Voluntary Corrective Measure (VCM) excavation at Sandia National Laboratories/New Mexico's (SNL/NM) Chemical Waste Landfill (CWL) or from on-site waste management activities. The waste streams primarily comprise bulk soils from the CWL and managed storm-water runoff. Secondary waste streams include decontamination water, used personal protective equipment (PPE), and miscellaneous construction debris generated on site.

2.1.2 Bulk Waste Staging Area

There are six Bulk Waste Staging Area (BWSA) storage bays at the CAMU that currently contain approximately 35,380 cubic yards (cy) of soil. Bays 1 through 5 contain contaminated soil and Bay 6 is currently empty. No additional soil was added to the BWSA bays during this reporting period.

The following table shows the current status of the volumes of soil stored in the BWSA.

Summary Table of Soil in Bulk Waste Staging Area Storage Bays[a]
(All soil volumes have been rounded to the nearest 10 cy)

	Bay 1	Bay 2	Bay 3	Bay 4	Bay 5	Bay 6	Totals
Treatment Required	No Treatment	LTTD and ST	ST	LTTD	No Treatment	N/A	
Last Quarter Balance	4,730	6,160	14,660	2,780	7,050	0	**35,380**
April Addition	0	0	0	0	0	0	**0**
May Addition	0	0	0	0	0	0	**0**
June Addition	0	0	0	0	0	0	**0**
Total Added This Quarter	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Cumulative Totals	**4,730**	**6,160**	**14,660**	**2,780**	**7,050**	**0**	**35,380**
Estimated % Full	**67%**	**87%**	**98%**	**39%**	**99%**	**0%**	

[a]All quantities are in cy.
cy = Cubic yard(s).
LTTD = Low Temperature Thermal Desorption.
N/A = Not applicable.
ST = Soil Stabilization.

2.1.3 Sprung™ Structures

During this reporting period, 460 cy of soil contaminated with polychlorinated biphenyl (PCB) concentrations at or exceeding 50 parts per million (ppm) were added to the Sprung™ structures. Six 55-gallon drums containing decontamination water that had previously been stored in Sprung™ 1 (see Section 2.7) were transferred to one of the 500-gallon tanks at the CAMU-A, a less-than-90-day-waste-accumulation area, as detailed in Table 1-2 of Attachment 1.

Sprung™ structures 1, 2, 3, and 4 contain a total of 3,770 cy of PCB- and/or Resource Conservation and Recovery Act (RCRA)-contaminated soil.

Details for Sprung™ structure contents for this reporting period are found in Attachment 1 of this report.

The following summary table shows the current Sprung™ storage status.

Summary Table of Bulk Waste Soils[a] in Sprung™ Storage Structures[b]

	Sprung™ 1	Sprung™ 2	Sprung™ 3	Sprung™ 4
Treatment Required	No Treatment	ST	ST	ST
Last Quarter Balance	500	860	950	1000
April Addition	0	0	0	0
May Addition	360	0	0	0
June Addition	100	0	0	0
Total Added This Quarter	**460**	**0**	**0**	**0**
Cumulative Totals	**960**	**860**	**950**	**1000**
Estimated % Full	**96%**	**86%**	**95%**	**100%**

[a]Bulk waste soils staged inside Sprung™ structures contain ≥50 ppm PCB-contaminated soil.
[b]All quantities are in cy.
cy = Cubic yard(s).
PCB = Polychlorinated biphenyl.
ppm = Parts per million.
ST = Soil Stabilization.

2.1.4 Containerized Waste Staging Area

Operations-generated wastes (liner material, hose, asphalt, etc.) are being accumulated in 20-cy, roll-off containers located in the southwest corner of the CAMU. A 20-foot-long by 8-foot-wide transportainer has been placed adjacent to the existing roll-off containers for the storage of 1-cy wrangler bags.

Details on operations-generated waste are found in Attachment 2.

The following summary table shows the current status of waste in the Containerized Waste Staging Area:

Summary Table of Waste in the CWSA

	WB-03	WB-04	WB-05	WB-06	RO-03	RO-04	RO-05	RO-06
Contents	Respirator Cartridges	Soiled PPE	Used Sand Bags	Soiled PPE	Bay Liners & Tent	Empty	Bay 1 Tent	Empty
Units	lbs	lbs	lbs	lbs	cy	cy	cy	cy
Last Quarter Balance	43	210	25	51	4.25	9	15	0
April Addition	0	0	6.5	0	0	0	0	0
May Addition	0	0	0	0	9	-9	0	0
June Addition	0	0	25	0	0	0	1	0
Total Added This Quarter	**0**	**0**	**31.5**	**0**	**0**	**0**	**1**	**0**
Cumulative Totals	**43**	**210**	**56.5**	**51**	**13.25**	**0**	**16**	**0**
Shipped	0	0	0	0	0	0	0	0
Balance on site	**43**	**210**	**56.5**	**51**	**13.25**	**0**	**16**	**0**
Estimated % Full	**75%**	**100%**	**25%**	**20%**	**66%**	**0%**	**80%**	**0%**

CWSA = Containerized Waste Staging Area.
cy = Cubic yard(s).
lbs = Pound(s).
PPE = Personal protective equipment.
RO = Roll-off.
WB = Wrangler bag.

2.1.5 Storm Water

Storm water at the facility is managed in accordance with the Notice of Intent to Discharge, dated June 30, 1999, and September 15, 1999, as approved by the New Mexico Environment Department (NMED) Ground Water Quality Bureau on November 1, 1999. Ponds 1 and 2 are approved for discharge to grade after the analytical data are reviewed by the CAMU Operations Coordinator and confirmed to be below the New Mexico Water Quality Control Commission Regulations (20.6.2.3103 NMAC). Pond 2 was sampled last quarter and discharged in May. The water in Pond 1 was sampled; however, the water evaporated and did not require a discharge. Ponds 3 and 4 as well as the containment-cell leachate currently do not require approval for discharge because no wastes have been managed in this drainage area. The analytical data is maintained in the CAMU administration office on site.

During this reporting period, approximately 12,500 gallons of storm water were discharged to the ground surface from the CAMU storm-water retention ponds and the containment cell.

The following summary table shows the amounts discharged each month from each retention pond and the containment cell for this reporting period.

Summary Table of Storm-Water Discharge[a]

	Pond 1	Pond 2	Pond 3	Pond 4	Containment Cell	Totals
April	0	0	0	0	1,200	**1,200**
May	0	10,200	1,100	0	0	**11,300**
June	0	0	0	0	0	**0**
Total Discharged	**0**	**10,200**	**1,100**	**0**	**1,200**	**12,500**

[a]All discharge quantities are estimated and reported in gallons.

BWSA = Bulk Waste Staging Area.
CAMU = Corrective Action Management Unit.
Pond 1 = Site-wide storm-water retention pond.
Pond 2 = BWSA storm-water retention pond.
Pond 3 = Treatment pad storm-water retention pond.
Pond 4 = Containment cell storm-water retention pond.
Containment Cell = CAMU containment-cell leachate (currently treated as a storm-water retention pond).

2.1.6 Decontamination Water

SNL/NM Environmental Management Department 3121 and the CAMU Operations Coordinator review decontamination water analytical results to determine compliance with the City of Albuquerque Sewer Use and Wastewater Control Ordinance Concentration limits. If the results are compliant, then the CAMU Operations Coordinator will request approval from the SNL/NM Environmental Management Department to discharge the decontamination water into the City of Albuquerque publicly owned treatment works (POTW) .

Ten 55-gallon drums (~550 gallons) of decontamination water that were analyzed in the previous quarter were discharged in April into the City of Albuquerque POTW. During this reporting period, the contents from six 55-gallon drums that had been stored in Sprung™ 1 were transferred into a 500-gallon decontamination water storage tank (see Sections 2.1.3 and 2.7 for additional details). The contents of the tank have been sampled and characterized and are waiting approval for discharge into the City of Albuquerque POTW.

Table 1-2 of Attachment 1 provides details for the decontamination water generated.

2.2 Inspection Results

The on-site contractor, URS, conducts routine weekly inspections in accordance with CAMU permit requirements. The inspection checklists are maintained on file at the CAMU administrative office as part of the operational record. In addition, staff from CAMU, URS, and SNL/NM Waste Management perform monthly site walk-throughs of the facility. No significant issues or concerns were identified as a result of these inspections during this reporting period. Minor items that were noted have been corrected.

2.3 Monitoring Activities

The following table shows the Vadose Zone Monitoring System (VZMS) sample collection dates for this reporting period. Sampling for the second quarter of the year was completed during April and May 2002.

CAMU Monitoring/Sampling Schedule

System	Parameter	Method	April	May
PSL	Water Content	Neutron Probe		5/6-8/02
VSA	Water Content	TDR		5/8/02
VSA	Temperature	Thermocouple	4/23/02	
VSA	Soil Gas	TO-14	4/23/02	
CSS	Water Content	Neutron Probe	4/21/02	
CSS	Soil Gas	TO-14	4/23/02	

Appendix E of the CAMU permit specifies annual TO-14 analysis for PSL soil gas. Annual soil gas sampling of the PSL for 2002 was performed on 1/28/02.
CAMU = Corrective Action Management Unit.
CSS = CWL & Sanitary Sewer Line.
CWL = Chemical Waste Landfill.
PSL = Primary subliner.
TDR = Time Domain Reflectometry.
VSA = Vertical Sensor Array.

2.4 Treatment

No treatment activities took place within the CAMU during this reporting period. Treatment activities are expected to begin in August 2002 with the final connection of utilities and completion of other start-up activities.

2.5 Containment-Cell Waste Disposition

No wastes have been placed in the CAMU containment cell. Waste emplacement activities are expected to begin in September 2002.

2.6 Construction

The following on-site construction activities took place during this reporting period:

- In April 2002, modifications to the primary subliner (PSL) pipe junctions between the polyvinyl chloride (PVC) and vitrified clay pipe (VCP) sections were implemented to ensure long-term access. The elbow connections originally installed between the VCP and PVC pipes were flexible, which allowed the joints to move. Over time, VZMS monitoring of the PSL subsystem became problematic because of shifting of the VCP and PVC access pipes, which caused an offset between the pipes and reduced the diameter available for the neutron probe to

access the VCP. The intent of this repair was to replace the flexible joints with a rigid connection, restoring the original access pipe diameter and preventing future movement of the joints. The basic repair process included removing soil above the PSL and cutting the liner above the pipe junctions to provide access to each junction. All 10 couplings were repaired to prevent potential failure of the couplings on each joint. After the repairs, the cell was reconstructed to conform with permit specifications. A construction quality assurance report, "CAMU VZMS Pipe Joint Replacement Quality Assurance Report," is being prepared to document and describe the repairs.

- A concrete pad for the placement of two 500-gallon, double-walled storage tanks was constructed.

- Two 40-foot transportainers were brought to the site to provide additional equipment/supply storage capacity.

2.7 Facility/Process Alterations

The following facility/process activities took place during this reporting period:

- Grading work on the area surrounding monitoring well CSS6 was completed during this reporting period.

- A concrete pad was constructed and two 500-gallon, double-walled tanks for storing decontamination water were installed adjacent to the CAMU equipment decontamination pad and certified.

- A less-than-90-day storage area (CAMU-A) and contingency plan were established for the decontamination water storage tanks. The tanks are inspected every workday and the accumulation area is inspected weekly. All inspection records are retained as part of the CAMU operational record.

3.0 PLANNED ACTIVITIES

- Routine waste acceptance and storage, monitoring, and inspections continue.

- A second storage tank will be added to the leachate collection and removal system. A 10,000-gallon tank will be added to provide additional leachate collection storage capacity to allow sampling, analysis, and discharge while accumulating wastes in another tank.

4.0 PERMIT, PLANS, AND PROCEDURES

The following activities/changes occurred during this reporting period:

- The U.S. Department of Energy (DOE) and SNL/NM continued to evaluate risk-based treatment and disposal options for PCB-regulated materials.
- A final EPA decision on the Title 40 Code of Federal Regulations 761.61(c) approval request for risk-based management of PCB-contaminated soil is pending.
- On May 6, 2002, DOE and SNL/NM requested NMED concurrence that extended storage of remediation waste is acceptable. NMED approved this request on May 17, 2002, approving storage through July 30, 2003.
- On May 13, 2002, DOE and SNL/NM responded to the NMED contained-in determination approval of January 24, 2002. The response included a white paper entitled "Storm Water Management Practices, Hazardous Waste Determinations, and Disposition" for NMED review.
- On May 17, 2002, DOE and SNL/NM submitted the CAMU quarterly report for activities conducted during the period of January 2002 through March 2002.
- On April 4, 2002, NMED approved, with conditions, the Class 1 permit modification request for several changes related to the design and operation of the stabilization unit (temporary unit [TU] permit). DOE and SNL/NM responded to the conditions and provided a final version of the permit application on May 29, 2002.
- On April 4, 2002, NMED approved, with conditions, the Class 1 permit modification request to transfer treatment standards from the TU permit to the CAMU permit. On May 20, 2002, DOE and SNL/NM requested an extension to the response date and, on June 25, 2002, a response was transmitted by DOE, together with a newly formatted version of the CAMU permit application.
- On June 11, 2002, DOE and SNL/NM requested a Class 2 permit modification to operate the low-temperature thermal desorption unit at the CAMU. A temporary authorization request was included with this transmittal.

ATTACHMENT 1
Wastes Contained in Sprung™ Structures 1 through 4

Table 1-1
Sprung™ 1
PCB-Contaminated Bulk Soils, No Treatment Required
Sprung™ 1 contains 960 cy of bulk soils and is currently 96% full. 460 cy of new wastes were added to this Sprung™ during this reporting period.
Concentrations in mg/kg (tritium in pCi/L)

Analyte	CRD0764	CRD0767	CRD0765	CRD0766	CRD0768
1,2-Dichlorobenzene	ND	ND	0.44	0.78	3.34
1,3,5-Trimethylbenzene	ND	ND	0.36	ND	ND
2,4,5-Trichlorophenol	ND	ND	ND	ND	0.33
2-Methylnaphthalene	0.49	0.14	0.17	0.22	2.67
4-Methyl-2-pentanone	ND	ND	ND	ND	0.009
Acenaphthene	3.2	1.4	1.3	1.4	ND
Acetone	ND	ND	ND	ND	0.032
Acetophenone	ND	ND	ND	ND	0.66
Anthracene	1.5	0.96	0.56	0.49	2.41
Arsenic	2.8	3.6	4.1	3.2	6.3
Barium	67	82	77	82	67
Benz(a)anthracene	1.4	0.83	0.51	0.51	2.21
Benzo(a)pyrene	0.61	0.31	0.2	ND	0.75
Benzo(b)fluoranthene	0.63	0.34	0.2	ND	1.28
Benzo(g,h,i)perylene	ND	ND	ND	ND	0.16
Benzo(k)fluoranthene	0.79	0.46	0.26	ND	0.5
Beryllium	0.33	0.42	0.41	0.36	0.4
bis(2-ethylhexyl) phthalate	4.2	2.5	1.7	2.2	2.08
Butylbenzylphthalate	0.15	0.072	0.081	0.078	ND
Cadmium	0.19	0.27	0.15	0.15	0.14
Carbazole	0.12	0.12	ND	ND	0.64
Chlorobenzene	ND	ND	ND	ND	0.045
Chromium	8.6	16	8.5	6	13
Chromium +6	ND	1.69	ND	ND	1.48
Chrysene	2.4	1.3	0.78	0.75	2.21
Copper	1.5	5	2.8	2.6	4.6
Dibenzofuran	0.71	0.35	0.27	0.27	1.64
Di-n-butylphthalate	ND	0.16	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	0.901
Fluoranthene	5	3.4	2.3	2.3	ND
Fluorene	1.7	0.94	0.65	0.64	2.84
Indeno(1,2,3-cd)pyrene	0.16	0.14	ND	ND	ND
Lead	6.4	9.7	11	6.3	6.1
m/p-Xylenes	ND	ND	ND	ND	8.03
Mercury	0.054	0.13	ND	ND	0.059
Methylene chloride	ND	ND	ND	ND	0.131
Naphthalene	ND	ND	ND	ND	1.68
Nickel	5.7	5.8	6.2	7.2	6.8
o-Xylene	ND	ND	ND	ND	8.03
PCBs (Total)	119	54.3	82.3	147	83.3
Phenanthrene	4	3.1	1.8	1.7	12.8
Pyrene	ND	3.7	2.5	2.7	7.72
Selenium	0.32	0.56	ND	0.55	0.51
Silver	ND	0.04	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	2.53
Toluene	ND	ND	ND	ND	0.232

Refer to footnotes at end of table.

Table 1-1 (Concluded)
Sprung™ 1
PCB-Contaminated Bulk Soils, No Treatment Required
Sprung™ 1 contains 960 cy of bulk soils and is currently 96% full. 460 cy of new wastes were added to this Sprung™ during this reporting period.
Concentrations in mg/kg (tritium in pCi/L)

Analyte	CRD0764	CRD0767	CRD0765	CRD0766	CRD0768
Tribromomethane	ND	ND	ND	ND	0.004
Trichloroethene	ND	ND	ND	ND	0.061
Tritium	BKG	BKG	BKG	BKG	911
Waste Storage Date	5/8/2002	5/8/2002	5/9/2002	5/9/2002	6/14/2002
Waste Volume Received (cy)	100	60	100	100	100
Waste Volume Total (cy)	600	660	760	860	960

BKG = At or below 420 pCi/L.
CRD = CAMU Disposal Request.
cy = Cubic yard(s).
mg/kg = Milligram(s) per kilogram.
ND = Nondetect.
PCB = Polychlorinated biphenyl.
pCi/L = Picocurie(s) per liter.

Table 1-2
Sprung™ 1
CAMU-Generated Waste, Liquids

Container #	Waste Stream	Container Start Date	Date of Waste Additions	Volume (in gallons)	Discharged Date	Sample ID
D-102301-01	Decon Water	10/23/01	10/23/01	55	4/02/02	DC-021202
D-110501-01	Decon Water	11/05/01	11/05/01	55	4/02/02	DC-021202
D-111901-01	Decon Water	11/19/01	11/19/01	55	4/02/02	DC-021202
D-120301-01	Decon Water	12/03/01	12/03/01	55	4/02/02	DC-021202
D-121201-01	Decon Water	12/12/01	12/12/01	55	4/02/02	DC-021202
D-121701-01	Decon Water	12/17/01	12/17/01	55	4/02/02	DC-021202
D-010702-01	Decon Water	1/07/02	1/07/02	55	4/02/02	DC-021202
D-011502-01	Decon Water	1/15/02	1/15/02	55	4/02/02	DC-021202
D-012402-01	Decon Water	1/24/02	1/24/02	55	4/02/02	DC-021202
D-021202-01	Decon Water	2/12/02	2/12/02	55	4/02/02	DC-021202
D-022502-01[a]	Decon Water	2/25/02	2/25/02	55	On site—in process	T1-051602
D-030502-01[a]	Decon Water	3/05/02	3/05/02	55	On site—in process	T1-051602
D-030702-01[a]	Decon Water	3/07/02	3/07/02	55	On site—in process	T1-051602
D-032502-01[a]	Decon Water	3/25/02	3/25/02	55	On site—in process	T1-051602
D-040802-01[a]	Decon Water	4/08/02	4/08/02	55	On site—in process	T1-051602
D-041502-01[a]	Decon Water	4/15/02	4/15/02	55	On site—in process	T1-051602

[a]The contents of these drums were transferred into Tank #1 of the CAMU equipment decontamination pad on 05/16/02.
CAMU = Corrective Action Management Unit.
Decon = Decontamination.
ID = Identification.

Total Volume = 880 gallons.
Discharged = 550 gallons.
Remaining on site = 330 gallons.

Table 1-3
Sprung™ 2
PCB-Contaminated Bulk Soils, ST Required

Sprung™ 2 contains 860 cy of bulk soil and is currently 86% full. No new wastes were added to this Sprung™ during this reporting period.

cy = Cubic yard(s).
PCB = Polychlorinated biphenyl.
ST = Soil Stabilization.

Table 1-4
Sprung™ 3
PCB-Contaminated Bulk Soils, ST Required

Sprung™ 3 contains 950 cy of bulk soil and is currently 95% full. No new wastes were added during this reporting period.

cy = Cubic yard(s).
PCB = Polychlorinated biphenyl.
ST = Soil Stabilization.

Table 1-5
Sprung™ 4
PCB-Contaminated Bulk Soils, ST Required
Sprung™ 4 contains 1000 cy of bulk soil and is currently 100% full. No new wastes were added during this reporting period.

cy = Cubic yard(s).
PCB = Polychlorinated biphenyl.
ST = Soil Stabilization.

ATTACHMENT 2
Containerized Waste Staging Area

Table 2-1
CWSA
CAMU-Generated Waste, Solids Staged in Wrangler Bags

Container #	Waste Type	Container Start Date	Date of Waste Additions	Weight Added (in pounds)	Date Full	Date Shipped Off Site
WB-01	Sand bags	3/17/00	3/17/00	35		11/05/01
			10/18/00	140		
			11/2/00	65.5		
			12/4/00	25		
			12/21/00	5		
			3/8/01	2	3/8/01	
			Total	272.5		
WB-02	Soiled PPE	9/19/00	9/19/00	45		11/05/01
			10/6/00	75		
			11/1/00	40		
			12/6/00	30		
			12/21/00	18		
			1/13/01	33		
			3/8/01	27	3/8/01	
			Total	268		
WB-03	Respirator Cartridges	12/11/00	12/11/00	43		
			Total	43		
WB-04	Soiled PPE	4/16/01	4/16/01	28		
			6/1/01	18.5		
			7/3/01	36.5		
			7/23/01	26		
			8/15/01	34.5		
			9/7/01	11		
			10/25/01	21.5		
			12/03/01	14.5		
			2/25/02	19.5	2/25/02	
			Total	210		
WB-05	Sand Bags	09/26/01	09/26/01	19.5		
			12/03/01	5.5		
			4/02/02	6.5		
			6/03/02	25		
			Total	56.5		
WB-06	Soiled PPE	3/04/02	3/04/02	28.5		
			3/19/02	22.5		
			Total	51		

CAMU = Corrective Action Management Unit.
CWSA = Containerized Waste Staging Area.
PPE = Personal protective equipment.
WB = Wrangler bag.

Total Volume on site = 360.5 pounds.
Total Volume Shipped off site this quarter = 0 pounds.
Total Volume Remaining on site = 360.5 pounds.

Table 2-2
CWSA
CAMU-Generated Waste, Solids Staged in Roll-Off Containers

Container #	Waste Type	Container Start Date	Date of Waste Additions	Volume Added (cubic yards)	Date Full	Date Shipped Off Site
Roll-Off #1	Used liner	11/19/99	11/19/99	20	06/01/00	08/29/01
			Total	20		
Roll-Off #2	Used liner	08/02/00	12/6/00	20	12/06/00	08/29/01
			Total	20		
Roll-Off #3	Used liner	12/06/00	12/06/00	2		
	Used liner		07/03/01	2		
	Used liner		09/26/01	0.25		
	Transferred contents from RO#4		05/16/02	~9		
			Total	13.75		
Roll-Off #4	Used liner	12/06/00	12/06/00	2		
	Used liner		02/14/01	0.5		
	Used liner		06/05/01	3		
	Used liner		10/11/01	4		
	Transfer to RO#3		05/16/02	~-9		
			Total	0		
Roll-Off #5	Used liner & ballast	02/28/02	02/28/02	15		
	Used liner & wood		06/21/02	1		
			Total	16		
Roll-Off#6	Empty					
			Total	0		

CAMU = Corrective Action Management Unit.
CWSA = Containerized Waste Staging Area.
RO = Roll-off.

Total Volume on-site = 29.75 cubic yards.
Total Volume Shipped off-site this quarter = 0 cubic yards.
Total Volume Remaining on site = 29.75 cubic yards.