



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

MAY 17 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 January, 2002 through March, 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
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SNL 2002

J. Kieling

(2)

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Certification Statement for Approval and Final Release of Documents

Document title and author: Corrective Action Management Unit Quarterly Report Jan-Mar 2002

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather, evaluate, and prepare the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment for knowing violations.



Peter B. Davies

Director

Geoscience & Environment Center, 6100

Sandia National Laboratories/New Mexico Corporation

Albuquerque, New Mexico

Operator

5/1/02
Date



Michael J. Zamorski

Director

Office of Kirtland Site Operations

U.S. Department of Energy

National Nuclear Security Administration

Owner and Co-Operator

5/17/02
Date



Sandia National Laboratories/New Mexico

**CORRECTIVE ACTION MANAGEMENT UNIT
QUARTERLY REPORT
January 2002–March 2002**

April 2002

**Environmental
Restoration
Project**



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

QUARTERLY REPORT
January–March 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: United States Department of Energy
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Office of Kirtland Site Operations
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1.0 INTRODUCTION

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

The period reported herein is January 2002 through March 2002, the 13th 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 for 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 are primarily bulk soils from the CWL, storm-water runoff, 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 soils, and Bay 6 is currently empty. As there were no new soils added to the BWSA this reporting period, no details for the BWSA contents for this reporting period are included as an attachment.

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

Summary Table of Bulk Waste Soils Storage Bays^a
 (All soil volumes have been rounded to the nearest 10 cy)

Treatment Required	Bay 1	Bay 2	Bay 3	Bay 4	Bay 5	Bay 6	Totals
	No Treatment	LTTD and ST	ST	LTTD	None	N/A	
Last Quarter Balance	4,730	6,160	14,660	2,780	7,050	0	35,380
January Addition	0	0	0	0	0	0	0
February Addition	0	0	0	0	0	0	0
March Addition	0	0	0	0	0	0	0
Total Add 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%	

^aAll quantities are in cubic yards (cy).
 LTTD = Low Temperature Thermal Desorption.
 ST = Soil Stabilization.

2.1.3 Sprung™ Structures

During this reporting period, 860 cy of soils contaminated with PCB concentrations exceeding 50 ppm were added to the Sprung structures. Decontamination water generated during CAMU operations is currently being stored inside Sprung # 1. Pending the completion of grading work surrounding monitoring well CSS6, newly generated decontamination water will be collected and stored in 500-gallon tanks (with secondary containment and leak detection) at a site adjacent to the decontamination pad.

Sprung structures 1, 2, 3, and 4 contain a total of 3310 cy of PCB- and/or Resource Conservation and Recovery Act (RCRA)-contaminated soils.

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 structures storage status.

Summary Table of Bulk Waste Soils^a in Sprung Storage Structures^b

Treatment Required	Sprung 1	Sprung 2	Sprung 3	Sprung 4	Totals
	No Treatment	ST	ST	ST	
Last Quarter Balance	0	800	950	700	2450
January Addition	0	0	0	200	200
February Addition	0	60	0	0	60
March Addition	500	0	0	100	600
Total Add This Quarter	500	60	0	300	860
Cumulative Totals	500	860	950	1000	3310
Estimated % Full	50%	86%	95%	100%	82%

^aBulk waste soils staged inside Sprungs contain ≥50 ppm PCB soils.

^bAll quantities are in cubic yards (cy).
 ST = Soil stabilization.

2.1.4 Containerized Waste Staging Area

On-site operations-generated solid wastes (liner material, hose, asphalt, etc.) are being accumulated in 20-cy roll-off containers located in the southwest corner of the CAMU. An 8-foot by 20-foot transportainer has been placed adjacent to the existing roll-offs for the storage of 1-cy wrangle bags.

Details on operations-generated solid 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

Contents	WB-03 ^a	WB-04 ^a	WB-05 ^a	WB-06 ^a	RO-03 ^b	RO-04 ^b	RO-05 ^b	RO-06 ^b
	Respirator Cartridges	Soiled PPE	Used Sand Bags	Soiled PPE	Bay 5 Liner/ Bay 6 Tent	Bay 2 Tent	Bay 1 Tent	Empty
Last Quarter Balance	43	190.5	25	0	4.25	9	0	0
January Addition	0	0	0	0	0	0	0	0
February Addition	0	19.5	0	0	0	0	15	0
March Addition	0	0	0	51	0	0	0	0
Total Add This Quarter	0	19.5	0	51	0	0	15	0
Cumulative Totals	43	210	25	51	4.25	9	15	0
Shipped	0	0	0	0	0	0	0	0
Balance on site	43	210	25	51	4.25	9	15	0
Estimated % Full	75%	100%	10%	20%	21%	45%	75%	0%

^aQuantities in pounds.

^bQuantities in cubic yards.

2.1.5 Storm Water

Storm water at the facility is managed in accordance with the Notice of Intent to Discharge, as approved by the New Mexico Environment Department (NMED) Ground Water Quality Bureau. Ponds 1 and 2 are approved for discharge to grade once the analytical data are reviewed by the CAMU Operations Coordinator and confirmed to be below the Water Quality Control Commission Regulations (WQCC 3101 A, B, and C). Ponds 1 and 2 were sampled this quarter and are awaiting approval of the analytical data before discharge. The water in Pond 1 has evaporated and will not require a discharge. Ponds 3 and 4, as well as the containment-cell leachate collection system, do not currently require approval for discharge because no hazardous wastes are managed in those areas. The analytical data is maintained in the CAMU administration trailer on site.

During this reporting period, approximately 20,240 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 leachate collection system for this reporting period.

Summary Table of Storm-Water Discharge^a

	Pond 1	Pond 2	Pond 3	Pond 4	Containment Cell	Totals
January	0	0	10,200	0	1,400	11,600
February	0	0	7,600	0	1,040	8,640
March	0	0	0	0	0	0
Total Discharged	0	0	17,800	0	2,440	20,240

^aAll discharge quantities are estimated and reported in gallons.

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

Both the SNL/NM Environmental Management Department 3121 and the CAMU Operations Coordinator review the analytical information from decontamination water sampling prior to approving it for discharge to the City of Albuquerque's publicly-owned treatment works (POTW).

During this reporting period, no decontamination water was discharged into the City of Albuquerque's POTW. Eight 55-gallon drums of decontamination water were generated and stored in Sprung # 1 during this reporting period. (See Table 1-1 in Attachment 1 for details of decontamination water remaining on site during this reporting period.)

2.2 Inspection Results

The on-site contractor, URS, conducts routine weekly inspections in accordance with Permit requirements. The inspection checklists are maintained on file at the CAMU administrative trailer as part of the operational record. In addition, staff from CAMU, URS, and SNL 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. All minor items that were identified have been corrected.

2.3 Monitoring Activities

The following table shows the Vadose Zone Monitoring System (VZMS) sample collection dates for this reporting period. A Class 2 permit modification for CAMU, submitted October 11, 2001, included a request to change the VZMS sampling frequency from monthly to quarterly. This request was approved by NMED on January 30, 2002 (HWB-SNL-01027). Sampling for the first quarter of the year was completed in January 2002.

CAMU Monitoring/Sampling Schedule

System	Parameter	Method	January
PSL	Water Content	Neutron Probe	1/29-30/02
PSL	Soil Gas ^a	TO-14	1/28/02
VSA	Water Content	TDR	1/22/02
VSA	Temperature	Thermocouple	1/22/02
VSA	Soil Gas	TO-14	1/23/02
CSS	Water Content	Neutron Probe	1/24/02
CSS	Soil Gas	TO-14	1/23/02

^aCAMU Permit Appendix E specifies annual TO-14 analysis for PSL soil gas.

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, and no treatment activities are planned for next quarter.

2.5 Containment-Cell Waste Disposition

No wastes have been placed in the CAMU containment cell and no waste-placement activities are planned for next quarter.

2.6 Construction

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

- Replacement inflatable tents were constructed and installed for BWSA Bays 1 and 6.
- Storage buildings surrounding the CAMU personnel decontamination station were relocated or removed in anticipation of grading work surrounding monitoring well CSS6.
- Repairs to the containment cell Vadose Zone Monitoring system began in March 2002. Work is expected to be completed in April 2002. The next quarterly report will summarize the details of the completed monitoring system repair.
- Set-up of the low temperature thermal desorption (LTTD) treatment unit was begun. The soil discharge auger was replaced and the emission stacks were put into place.

- Two CAMU site observation cameras were installed to monitor and record work activities during treatment and soil placement activities at the CAMU. The video images can be remotely accessed through the Sandia National Laboratories Internal Restricted Network.
- The CAMU weather station became operational.

2.7 Facility/Process Alterations

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

- No new facility/process activities took place this period.

3.0 PLANNED ACTIVITIES

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

- Two 500-gallon double-walled tanks have been purchased and will be installed adjacent to the equipment decontamination pad this April 2002. The tanks will be used to store decontamination water until it is analyzed and approved for discharge.
- The area surrounding monitoring well CSS6 will be regraded.
- The usefulness of adding a second collection tank for the containment-cell leachate collection system will be evaluated.
- Completion of the repairs to the vadose zone monitoring system.

4.0 SIGNIFICANT PERMIT, PLANS, AND PROCEDURES

The following activities/changes occurred during this reporting period:

- DOE and SNL/NM continued to evaluate risk-based treatment and disposal options for PCB-regulated materials. A 761.61(c) permit application for the management and treatment of PCB-regulated materials was submitted to EPA on October 30, 2001. On December 4, 2001, DOE and SNL/NM participated in a conference call with EPA and NMED staff to discuss preliminary comments on the 761.61(c) application.
- On December 17, 2001, SNL/NM provided additional information supporting the 40 CFR 761.61 risk-based proposal for management of PCB materials. On February 5, 2002, EPA issued a tentative approval of the risk-based proposal.

and established a 45-day comment period. On February 22, 2002, DOE and SNL/NM formally transmitted a supplemental volume to the risk-based proposal.

- On January 30, NMED approved, with conditions, the Class 2 permit modification request for changes to the CAMU permit (submitted October 11, 2001).
- DOE and SNL/NM submitted a class 1 permit modification request for changes to the Temporary Unit Permit on February 19, 2002.
- DOE and SNL/NM submitted a Class 1 permit modification request for the transfer of treatment standards language from the TU permit to the CAMU permit on February 19, 2002.
- As required by the Presumptive Remedy Technology Approval for the operation of an LTTD unit at the CAMU, DOE and SNL/NM issued a public notice establishing a 60-day comment period, beginning January 2, 2002, and held a public information meeting on January 17, 2002. On February 27, 2002, NMED provided informal comments on the draft Site-Specific Operations Work Plan for LTTD Operations at the CAMU. However, discussions with the NMED staff have informed DOE/SNL that the Presumptive Remedy does not serve the purpose of permitting the LTTD so the Site Specific Operations Work Plan has not been formally submitted to the NMED and plans are in place to permit the LTTD unit at the CAMU.
- On January 24, 2002, NMED issued an approval, with conditions, of the DOE and SNL/NM proposal to establish criteria for making contained-in determinations (submitted August 1, 2001). SNL is currently addressing those conditions and will be requesting clarification prior to implementing contained-in requests at the CAMU.
- DOE and SNL/NM submitted the Comprehensive Part B Permit Request (Volumes I, II, and III) on February 6, 2002.
- In a meeting on March 7, 2002, Hazardous Waste Bureau staff discussed the RCRA prohibition on initiation of construction of a new hazardous waste management facility without a permit (20.4.1.900 NMAC, referencing 40 CFR 270.10(f)(1)). With regard to the upcoming set-up of the LTTD unit at the CAMU, it was agreed by NMED and Sandia staff that compliance with this requirement could be achieved by not connecting utilities (power, natural gas, and water) and not operating the LTTD unit until a permit was issued or authorization was obtained for its operation.

ATTACHMENT 1
Wastes Contained in Sprung™ Structures 1 through 4

Table 1-1
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	On site – in process	DC-021202
D-110501-01	Decon Water	11/05/01	11/05/01	55	On site – in process	DC-021202
D-111901-01	Decon Water	11/19/01	11/19/01	55	On site – in process	DC-021202
D-120301-01	Decon Water	12/03/01	12/03/01	55	On site – in process	DC-021202
D-121201-01	Decon Water	12/12/01	12/12/01	55	On site – in process	DC-021202
D-121701-01	Decon Water	12/17/01	12/17/01	55	On site – in process	DC-021202
D-010702-01	Decon Water	1/07/02	1/07/02	55	On site – in process	DC-021202
D-011502-01	Decon Water	1/15/02	1/15/02	55	On site – in process	DC-021202
D-012402-01	Decon Water	1/24/02	1/24/02	55	On site – in process	DC-021202
D-021202-01	Decon Water	2/12/02	2/12/02	55	On site – in process	DC-021202
D-022502-01	Decon Water	2/25/02	2/25/02	55	On site – in process	Awaiting Sampling
D-030502-01	Decon Water	3/05/02	3/05/02	55	On site – in process	Awaiting Sampling
D-030702-01	Decon Water	3/07/02	3/07/02	55	On site – in process	Awaiting Sampling
D-032502-01	Decon Water	3/25/02	3/25/02	55	On site – in process	Awaiting sampling

Decon = Decontamination.
Total Volume = 770 gallons.
Discharged = 0 gallons.
Remaining on site = 770 gallons.

Table 1-2
Sprung 1
PCB-Contaminated Bulk Soils, No Treatment Required

Sprung 1 contains 500 cy of bulk soils and is currently 50 percent full. 500 cy of new wastes were added to this Sprung during this reporting period.

Concentrations in mg/kg (tritium in pCi/L)

Analyte	CRD0759	CRD0760	CRD0757	CRD0758	CRD0763
1,2,3-Trichlorobenzene	ND	ND	ND	ND	0.72
1,2,4-Trichlorobenzene	ND	ND	ND	ND	0.27
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	1.26	12.36	1.07	4.08
1,3,5-Trimethylbenzene	ND	ND	ND	ND	0.42
2,4,5-Trichlorophenol	0.21	ND	0.57	0.088	0.090
2-Methylnaphthalene	ND	0.25	0.89	ND	0.31
Acenaphthene	4.90	8.70	5.80	1.10	0.71
Anthracene	1.30	3.40	15.00	0.032	0.30
Arsenic	6.00	4.80	4.20	3.70	2.80
Barium	70.00	88.00	65.00	73.00	61.00
Benz(a)anthracene	2.40	3.90	2.30	0.58	0.26
Benzo(a)pyrene	1.10	1.40	0.81	0.22	ND
Benzo(b)fluoranthene	1.90	2.90	1.30	0.45	ND
Benzo(g,h,i)perylene	ND	ND	0.17	ND	ND
Benzo(k)fluoranthene	1.10	1.10	1.10	0.18	ND
Beryllium	0.34	0.43	0.37	0.43	0.34
bis(2-ethylhexyl) phthalate	2.80	8.50	3.10	1.00	1.50
Butylbenzylphthalate	ND	ND	0.25	ND	0.088
Cadmium	0.13	0.19	0.15	0.18	0.16
Carbazole	0.33	ND	ND	0.15	ND
Chromium	32.00	40.00	11.00	12.00	9.00
Chromium +6	19.79	14.31	ND	ND	ND
Chrysene	2.60	4.50	2.30	0.68	0.46
Dibenz(a,h)anthracene	ND	ND	0.073	ND	ND
Dibenzofuran	0.32	1.90	1.40	ND	0.17
Di-n-butylphthalate	ND	1.70	3.50	ND	0.17
Fluoranthene	16.00	24.00	73.00	3.90	1.80
Fluorene	0.99	4.30	2.80	0.26	0.39
Indeno(1,2,3-cd)pyrene	0.12	0.14	0.19	ND	ND
Lead	7.80	7.90	7.40	8.60	7.20
Mercury	0.058	0.13	ND	ND	ND
Naphthalene	ND	ND	0.35	ND	0.29
o-Xylene	ND	ND	ND	ND	0.34
PCBs (Total)	152.00	173.00	177.00	87.40	74.70
Phenanthrene	2.40	19.00	77.00	0.55	1.70
Pyrene	9.70	21.00	12.00	2.00	1.50
Tetrachloroethene	ND	ND	ND	ND	0.30

Refer to footnotes at end of table.

Table 1-2 (Concluded)
 Sprung 1
 PCB-contaminated Bulk Soils, No Treatment Required

Sprung 1 contains 500 cy of bulk soils and is currently 50 percent full. 500 cy of new wastes were added to this Sprung during this reporting period.

Concentrations in mg/kg (tritium in pCi/L)

Analyte	CRD0759	CRD0760	CRD0757	CRD0758	CRD0763
Tritium	BKG	BKG	BKG	BKG	BKG
Waste Volume Received (cy)	100	100	100	100	100
Waste Volume Total (cy)	100	200	300	400	500

BKG = At or below 420 pCi/L.
 CRD = CAMU disposal request.
 cy = Cubic yards.
 mg/kg = Milligram(s) per kilogram.
 ND = Nondetect.
 pCi/L = Picocurie(s) per liter.

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

Sprung 2 contains 860 cy of bulk soils and is currently 86 percent full. 60 cy of new wastes were added to this Sprung during this reporting period.
Concentrations in mg/kg (tritium in pCi/L)

Analyte	CRD0762
Barium	64.00
Beryllium	0.48
Cadmium	12.00
Chromium	43.00
Chromium +6	29.00
Lead	3400.00
Mercury	160.00
PCBs (Total)	74.03
Silver	1.90
Tritium	16400
Waste Storage Date	2/21/2002
Waste Volume Received (cy)	60
Waste Volume Total (cy)	860

BKG = At or below 420 pCi/L.
 CRD = CAMU disposal request.
 cy = Cubic yard(s).
 mg/kg = Milligram(s) per kilogram.
 ND = Nondetect.
 pCi/L = Picocurie(s) per liter.
 ST = Soil Stabilization Treatment.

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

Sprung 3 contains 950 cubic yards of bulk soils and is currently 95 percent full.
No new wastes were added during this reporting period.

Table 1-5
Sprung 4
PCB-contaminated Bulk Soils, ST Required

Sprung 4 contains 1000 cy of bulk soils and is currently 100 percent full. 300 cy of new wastes were added during this reporting period.
Concentrations in mg/kg (tritium in pCi/L)

Analyte	CRD0745	CRD0756	CRD0761
1,2-Dichlorobenzene	0.69	2.28	1.10
1,4-Dichlorobenzene	ND	0.37	0.35
2,4,5-Trichlorophenol	0.72	1.30	0.36
2-Methylnaphthalene	ND	0.22	1.20
Acenaphthene	7.00	11.00	14.00
Acenaphthylene	ND	0.17	ND
Anthracene	2.40	3.40	3.70
Arsenic	4.80	4.60	3.50
Barium	120.00	69.00	86.00
Benz(a)anthracene	3.30	5.20	4.70
Benzo(a)pyrene	1.10	1.80	2.10
Benzo(b)fluoranthene	2.20	3.90	3.30
Benzo(g,h,i)perylene	ND	1.80	ND
Benzo(k)fluoranthene	2.20	3.90	1.80
Beryllium	0.42	0.43	0.36
bis(2-ethylhexyl) phthalate	1.40	2.10	6.70
Cadmium	0.35	0.27	0.15
Carbazole	ND	ND	1.00
Chromium	49.00	33.00	13.00
Chromium +6	20.23	9.73	1.43
Chrysene	3.30	5.30	5.30
Dibenzofuran	0.78	1.10	1.50
Fluoranthene	20.00	33.00	29.00
Fluorene	2.10	3.00	3.40
Indeno(1,2,3-cd)pyrene	0.20	0.29	0.14
Lead	13.00	11.00	6.50
Mercury	0.26	0.30	ND
PCBs (Total)	154.00	165.00	119.00
Phenanthrene	7.10	11.00	3.30
Pyrene	25.00	38.00	25.00
Selenium	0.44	0.76	ND
Silver	0.047	ND	ND
Tritium	BKG	BKG	BKG
Waste Storage Date	1/14/2002	1/14/2002	3/22/2002
Waste Volume Received (cy)	100	100	100
Waste Volume Total (cy)	800	900	1000

BKG = At or below 420 pCi/L.
 CRD = CAMU disposal request.
 cy = Cubic yard(s).
 mg/kg = Milligram(s) per kilogram.
 ND = Nondetect.
 pCi/L = Picocurie(s) per liter.
 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		
			Total	25		
WB-06	Soiled PPE	3/04/02	3/04/02	28.5		
			3/19/02	22.5		
			Total	51		

PPE = Personal protective equipment.
Total Volume = 304 pounds.
Shipped off site = 0 pounds.
Remaining on site = 304 pounds.

Table 2-2
 CAMU-Generated Waste, Solids
 Containerized Waste Storage Area
 Roll-Offs

Container #	Waste Type	Container start date	Date of waste additions	Volume added (in cy)	Date Full	Date Shipped off site
Roll-Off #1 (20 cy)	Used liner	11/19/99		0	6/1/00	8/29/01
Roll-Off #2 (20 cy)	Used liner	8/2/00		0	12/6/00	8/29/01
Roll-Off #3 (20 cy)	Used liner/used tent	12/6/00	12/06/00	0		
Roll-Off #4 (20 cy)	Used tent	12/6/00		0		
Roll-Off # 5 (20 cy)	Used Tent	2/28/02	2/28/02	15		
Roll-Off # 6 (20 cy)	Empty	N/A		0		

cy = Cubic yard(s).
 N/A = Not applicable.