

NOTICE

All drawings located at the end of the document.

CORRES CONTROL
OUTGOING LTR NO

DOE ORDER # 5480 22

02 - RF - 01946



DIST	LTR	ENC
DIETER, T J		
FERRERA, D W		
FERRI, M S	X	
GIACOMINI, J.		
MARTINEZ, L A		
PARKER, A M	X	
POWERS, K.		
SCOTT, G K		
SHELTON, D C	X	
SPEARS, M S		
TRICE, K D		
TUOR, N R		
VOORHEIS, G M		
DAHLGREN, S	X	
HICKS, C	X	
HOPKINS, T	X	
HOUSER, D	X	
JOHNSON, M	X	
PROJECT FILE	X	X
COR. CONTROL	X	X
ADMIN RECORD	X	X
WASTE REC. CTR.		
TRAFFIC		
PATS/130		
CLASSIFICATION		
UCNI		
UNCLASSIFIED	X	X
CONFIDENTIAL		
SECRET		

September 5, 2002

02-RF-01946

Joe Legare
Environment & Stewardship
DOE, RFFO

MODIFICATION #9 TO THE BUILDING 776/777 DECOMMISSIONING OPERATIONS PLAN -
MSF-051-02

Pursuant to Section 4 5 2 of the Building 776/777 Decommissioning Operations Plan (DOP) and Paragraph 127 of the Rocky Flats Cleanup Agreement (RFCA), the Kaiser-Hill Company, L L C is submitting the enclosed minor modification for your approval and transmittal to the Colorado Department of Public Health and Environment (CDPHE)

This modification to the DOP includes submittal of the unit-specific closure information sheet and drawing for Set 82, which includes all concrete secondary containment areas that provided containment for RCRA tank systems, container storage units, and treatment units throughout the building This is the final RCRA closure plan submittal for the Building 776/777 DOP

If you have questions, please contact Carolyn Hicks at (303) 966-5773

Mark S Ferr

Mark S Ferr
Vice President and Project Manager
Building 707/776/777 Closure Project

CGH cms

Attachments
As Stated

Orig and 1cc - Joe Legare

cc
Sandi MacLeod DOE, RFFO
Gary Schuetz DOE, RFFO

AUTHORIZED CLASSIFIER

Norman
LABORATORIES

Date 9-5-02

IN REPLY TO RFP CC
NO

ACTION ITEM STATUS

- PARTIAL/OPEN
- CLOSED

LTR APPROVALS

ORIG & TYPYST INITIALS
CGH cms

Kaiser Hill Company, L L C
Rocky Flats Environmental Technology Site, 10808 Highway 93 Unit B, Golden CO 80403-8200 • 303-966-7000



ADMIN RECORD

B776-A-000109

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Appendix H
B776/777 Closure Project
RCRA Unit Closure Information Sheet

SET #	RCRA Unit #(s)	Description	Regulatory Status	Closure Status
82	See attached list	Concrete secondary containment for tank systems, container storage, and treatment units	Permitted, Mixed residue, Interim Status	Tank systems removed or operationally empty Container storage units: some active, some empty Treatment units: inactive

Unit Description:	Set 82, Building 776/777 structure/shell, includes all concrete secondary containment areas that provided containment for RCRA tank systems, container storage units, and treatment units throughout the building. A list of units for which the building provided containment is attached.
Unit Boundaries and Interfaces	The attached map shows the RCRA units included in Set 82. The boundaries of the container storage units and treatment units are the entire floor areas of the regulated units. The boundaries of the tank systems include the floor areas beneath the regulated tanks and ancillary equipment, and will include an area approximately four feet wide beneath the overhead piping. No known releases from the tanks and piping systems extended beyond the immediate vicinity of the equipment, all were small volumes and were immediately cleaned up.
EPA Waste Codes/ Waste Characterization	Permitted and interim status container storage units, tank systems, and treatment units were authorized for many EPA waste codes as listed in the RCRA Part A and Part B permit. All the mixed residue tank systems were characterized with EPA waste codes F001 and F002. The mixed residue container storage units stored wastes with EPA waste codes listed in the mixed residues Part B Permit Application (June 30, 1992). Wastes generated during closure activities (e.g., wash water, debris rule treatment residuals) will be characterized and managed appropriately.
Selected Closure Option	Clean closure by decontamination, debris rule treatment, or closure by removal.
Closure Activities	If clean closure by decontamination is selected as the closure option, the concrete secondary containment areas will be washed with a decontamination solution such as trisodium phosphate, then rinsed with clean water. The rinseate will be sampled and the results compared to the closure performance standard in Section 4.5.1.1 of the DOP. If debris rule treatment is selected, a debris technology appropriate for concrete will be applied, such as hydrolasing or scabbling. The debris standard is removal of at least 0.6 cm of the surface layer and treatment to a clean debris surface. A waste determination will be made for the treatment residuals and they will be managed accordingly. If decontamination or debris treatment fail to achieve the closure performance standard, or if 776/777 closure project personnel elect to close directly by removal, the concrete waste will be characterized appropriately and packaged for disposal. Secondary containment areas may be closed individually or in groups, and may be subdivided in smaller sections where partial closure is conducted for each section. The D&D project schedule will dictate the order and grouping of closure activities. In cases where a single area provided containment for both tanks and containers, closure will be concurrent. The 776/777 project will track the status of RCRA secondary containment closures in the facility operating record.

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Waste Disposal.	<p>All liquid and solid wastes generated during closure activities will be managed as CERCLA remediation waste</p> <p>Hazardous liquid wastes will be managed in the process waste tanks (Unit 776 2) or in another approved unit</p> <p>Upon final radiological characterization, the solid waste will be packaged to meet the waste acceptance criteria (WAC) of the approved disposal facility Absorbent will be added to waste packages with items that could contain residual liquids In the event this waste cannot be shipped directly to the approved disposal facility, it will be stored in an approved on-site storage area until shipment can be scheduled.</p>
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**Unit 82
RCRA Units Secondary Containment Closure**

Unit No	Bldg	Room	Unit Description	Regulatory Status
44 01, 44 02	776	134	Fluidized Bed Incinerator Oil Storage Tanks T-1, T-2	Interim Status
49 01	776	118	Fluidized Bed Incinerator Unit (Production)	Interim Status
49 02	776	135	Fluidized Bed Incinerator Unit (Pilot) & tanks T-1 and T-2	Interim Status
61	776	146	Size Reduction Vault (Container Storage, Treatment Unit)	Interim Status
90 85	776	152	Container Storage Vault	Mixed Residue
90 99	776	127	Container Storage, Rm. 127 Basement	Mixed Residue
94 001 - 94 003	776	154	Tanks SR-3, SR-4, SR-5	Mixed Residue
94 005, 94 006	776	134	Tanks T-344, T-345	Mixed Residue
94 007, 94 008	776	134	Tanks T-360, T-370	Mixed Residue
776 1	776	127	Container Storage	Permitted
776 1	776	208	Container Storage	Permitted
776 1	776	237	Container Storage	Permitted
776 1	776	134, 154, 159	Container Storage	Permitted
776 2	776	127	Tank Storage, Tanks T-1A, T-1B, T-2A, T-2B	Permitted
90 49	777	131	Container Storage	Mixed Residue
95 001, 95 002	777	131	Pencil Tanks T-A1*, T-A2*	Mixed Residue
95 006 - 95 008	777	131	Tanks 1103, 1104, 1106	Mixed Residue
95 009 - 95 014	777	134E	Pencil Tanks T-5*, T-6*, T-7, T-10*, T-11*, T-12*	Mixed Residue
95 015, 95 016	777	430	TCA Tanks T-1, T-2	Mixed Residue
95 017, 95 018	777	430	Pencil Tanks T-3*, T-4*	Mixed Residue
95 019	777	131	Tank DL-776	Mixed Residue
777 1	777	208	Container Storage, Rm. 208, Area 10	Permitted
777 1	777	430	Container Storage, Rm. 430, Area 2	Permitted
777 1	777	430	Container Storage, Rm 430, Area 3	Permitted
777 1	777	462	Container Storage	Permitted
777 1	777	483	Container Storage, Rm. 483, Area 8	Permitted
777 1	777	443	Vault Container Storage	Permitted
777 1	777	448	Vault Container Storage (Non-Destructive Testing [NDT] Vault)	Permitted
N/A	777	452	Vacuum Accumulator Tanks V-022, V-543	Mixed Residue
N/A	777	131	Vacuum Accumulator Tanks V-605, V-614, V-616, V-618, V-620, V-626, V-627	Mixed Residue
N/A	777	134E	Vacuum Accumulator Tanks V-746, V-747, V-747A, V-748, V-749, V-752 and Pencil Tanks T-8*, T-9*	Mixed Residue

*These tanks are not listed in Table 6 of this DOP because they were closed by removal prior to approval of the DOP However, secondary containment was not previously closed, and is covered in the Set 82 closure scope

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