



Department of Energy
Richland Operations Office
P.O. Box 550
Richland, Washington 99352

09-AMRC-0103

APR 29 2009

Mr. D. A. Faulk, Program Manager
Office of Environmental Cleanup
Hanford Project Office
U.S. Environmental Protection Agency
309 Bradley Boulevard, Suite 115
Richland, Washington 99352

Dear Mr. Faulk:

HANFORD FEDERAL FACILITY AGREEMENT AND CONSENT ORDER (HFFACO)
CHANGE PACKAGE NUMBER C-09-01, ADDITION OF WASTE UNITS TO THE
100-KR-1 AND 100-KR-2 OPERABLE UNITS IN THE TRI-PARTY AGREEMENT
APPENDIX C

This letter is to request approval of the enclosed, signed, U.S. Department of Energy, Richland Operations Office, Tri-Party Agreement Change Package Number C-09-01. Through the Tri-Party Agreement MP-14 process, these waste units have been accepted and assigned to the 100-KR-1 or 100-KR-2 Operable Units. Approval of this change package will authorize the addition of these waste units into the Tri-Party Agreement Appendix C. Adding the units to Appendix C will provide consistency between Appendix C and the Waste Information Data System.

If you have any questions please contact me, or your staff may contact Joe Franco, Assistant Manager for the River Corridor, at (509) 376-6628.

Sincerely,

A handwritten signature in black ink that reads "David A. Brockman".

David A. Brockman
Manager

AMRC:SNB

Enclosure

cc w/encl: See page 2

RECEIVED
MAY 11 2009
EDMC

Mr. D. A. Faulk
09-AMRC-0103

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APR 29 2009

cc w/encl:

G. Bohnee, NPT

L. Buck, Wanapum

S. Harris, CTUIR

J. A. Hedges, Ecology

R. Jim, YN

S. L. Leckband, HAB

R. A. Lobos, EPA

M. L. Mandis, Ecology

K. Niles, ODOE

T. W. Noland, FFS

R. E. Piippo, CHPRC

J. B. Price, Ecology

J. G. Vance, FFS

Administrative Record, H6-08

Environmental Portal, AB-01

Change Number C-09-01	Federal Facility Agreement and Consent Order Change Control Form <small>Do not use blue ink. Type or print using black ink.</small>	Date March 9, 2009
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Originator Tom Teynor	Phone 373-6363
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Class of Change

I - Signatories II - Executive Manager III - Project Manager

Change Title
Addition of Waste Units to the 100-KR-1 and 100-KR-2 Operable Units in the Tri-Party Agreement (TPA) Appendix C

Description/Justification of Change
Approval of this change package will add Waste Units to the 100-KR-1 and 100-KR-2 Operable Units in the Tri-Party Agreement Appendix C. These Waste Units have been accepted and assigned to either the 100-KR-1 or 100-KR-2 Operable Units per the TPA-MP-14 process. These Waste Units have been processed through the Waste Information Data System (WIDS) and adding them to TPA Appendix C will provide consistency to Appendix C versus WIDS for these Operable Units.

Beginning on the next page, added Waste Units to the TPA Appendix C 100-KR-1 and 100-KR-2 Operable Units are shown by **highlight**. Only the 100-KR-1 and 100 KR-2 Appendix C Operable Units are shown as these are the only Operable Units with additions by this change package.

Impact of Change
Approval of this change package will add 16 Waste Units to the 100-KR-1 Operable Unit and 51 Waste Units to the 100-KR-2 Operable Unit. These additions will provide consistency for Appendix C with WIDS for these two Operable Units.

Affected Documents
Hanford Federal Facility Agreement (Tri-Party Agreement) Appendix C.

Approvals		Page 1 of 12
DOE <i>Doug S. Shoap</i>	4/29/09 ✓ Approved _____ Disapproved _____	
EPA	_____ Date _____ Approved _____ Disapproved _____	
Ecology Not Applicable	_____ Date _____ Approved _____ Disapproved _____	

Appendix C

Listing by Operable Unit. (Sheet x of xx)

OPERABLE UNIT Waste Unit Name	LEAD REGULATORY AGENCY Waste Unit Aliases	Unit Type	Status
100-KR-1	EPA	CPP	
100-K-57	100-K-57, 107-KE Drainage Ditch	Ditch	Explanation of Significant Difference for the 100 Area Remaining Sites Interim ROD (2/2004)
100-K-63	100-K-63, 100-KW Floodplain, 100-KW Flood Plain Contamination Area, UN-116-KW-1	Unplanned Release	Explanation of Significant Difference for the 100 Area Remaining Sites Interim ROD (2/2004)
100-K-64	100-K-64, 100-KE Floodplain, 100-KE Flood Plain Contamination Area, UN-116-KE-1	Unplanned Release	Explanation of Significant Difference for the 100 Area Remaining Sites Interim ROD (2/2004)
100-K-78	100-K-78, Fenced Contamination Area	Unplanned Release	Explanation of Significant Difference for the 100 Area Remaining Sites Interim ROD (2/2004)
100-K-81	100-K-81, Contamination Area West of 116-K-3	Unplanned Release	
100-K-83	100-K-83, 1904-K Spillway, 116-K-3, 1904-K Outfall Structure	Outfall	Interim Action Record of Decision, 100 Area Remaining Sites (1999)
100-K-86	100-K-86, 100-K Stain Areas, Four Areas of Stained Soil in the 100-K Areas	Unplanned Release	
100-K-87	100-K-87, 100-K Asbestos Lagging	Unplanned Release	
100-K-88	100-K-88, Yellow Granular Material	Unplanned Release	
100-K-89	100-K-89, 100-K Burn Site	Burn Pit	
100-K-90	100-K-90, 100-K White Granular Material	Unplanned Release	
100-K-91	100-K-91, 100-K Battery	Unplanned Release	
100-K-92	100-K-92, 100-K Reddish Stained Gravels	Unplanned Release	
100-K-93	100-K-93, 100-K Drum Remnant	Unplanned Release	

Appendix C

Listing by Operable Unit. (Sheet x of xx)

OPERABLE UNIT Waste Unit Name	LEAD REGULATORY AGENCY Waste Unit Aliases	Unit Type	Status
100-KR-1 (continued)			
100-K-94	[REDACTED]	French Drain	
100-K-95	100-K-95, 100-K Tar Dump	Unplanned Release	
116-K-1	116-K-1, 100-K Crib, 100-K Pond, 116-K-1 Trench, 107-K Pond, 107-K(E) Sump, 100-K Emergency Pond	Crib	Amendment to the Interim Remedial Action Record of Decision, 100-BC-1, 100-DR-1, 100-HR-1 (1995) (1997)
116-K-2	116-K-2, 100-K Mile Long Trench, K Trench, 116-K-2 Trench, 100-K Emergency Trench, 107-K Effluent Trench, Bypass Crib Ditch	Trench	Amendment to the Interim Remedial Action Record of Decision, 100-BC-1, 100-DR-1, 100-HR-1 (1995) (1997)
116-K-3*	116-K-3, 1904-K Outfall Structure, 1908-K Outfall Structure	Outfall	Interim Record of Decision, 100 Area Remaining Sites (1999)†
116-KE-4	116-KE-4, 107-KE Retention Basins, 107-KE	Retention Basin	Amendment to the Interim Remedial Action Record of Decision, 100-BC-1, 100-DR-1, 100-HR-1 (1995) (1997)
116-KW-3	116-KW-3, 107-KW Retention Basin, 107-KW	Retention Basin	Amendment to the Interim Remedial Action Record of Decision, 100-BC-1, 100-DR-1, 100-HR-1 (1995) (1997)
100-KR-2	Ecology		
116-KE-6A**	116-KE-6A, 1706-KE Condensate Collection Tank, 1706-KE Waste Treatment System	Storage Tank	Explanation of Significant Difference for the 100 Area Remaining Sites Interim Action ROD
116-KE-6B**	116-KE-6B, 1706-KE Evaporation Tank, 1706-KE Waste Treatment System	Storage Tank	Explanation of Significant Difference for the 100 Area Remaining Sites Interim Action ROD
116-KE-6C**	116-KE-6C, 1706-KE Waste Accumulation Tank, 1706-KE Waste Treatment System	Storage Tank	Explanation of Significant Difference for the 100 Area Remaining Sites Interim Action ROD

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Listing by Operable Unit. (Sheet x of xx)

OPERABLE UNIT Waste Unit Name	LEAD REGULATORY AGENCY Waste Unit Aliases	Unit Type	Status
100-KR-2 (continued)			
116-KE-6D**	116-KE-6D, 1706-KE Ion Exchange Column, 1706-KE Waste Treatment System	Process Unit/Plant	Explanation of Significant Difference for the 100 Area Remaining Sites Interim Action ROD
100-KR-2	EPA	CPP	
100-K-1	100-K-1, 119-KW French Drain, 119-KW Exhaust Air Sample Building French Drain, 100-K-45	French Drain	Amendment to the Interim Remedial Action Record of Decision, 100-BC-1, 100-DR-1, 100-HR-1 (1995) (1997)
100-K-2	100-K-2, 118-K-2, 118-K-2 Sludge Burial Ground, Burial Area	Burial Ground	
100-K-3	100-K-3, 1706-KE Fish Pond Heat Exchanger Pit and Pump Pit, Water Studies Semi-Works	Valve Pit	
100-K-4	100-K-4, 1706-KE Wet Fish Studies Ponds and Valve Pit	Pond	
100-K-5	100-K-5, 1705-KE French Drain	French Drain	
100-K-6	100-K-6, Vacuum Pit, Cyclone Separator, 105-KE Vacuum Pit	Process Unit/Plant	
100-K-13	100-K-13, French Drain West of the 166-KW Oil Storage Tank Facility	French Drain	Interim Record of Decision, 100 Area Remaining Sites (1999)†
100-K-14	100-K-14, 183-KE Acid Neutralization Pit and Overflow French Drain	French Drain	Interim Record of Decision, 100 Area Remaining Sites (1999)†
100-K-18	100-K-18, 183-KW Caustic Neutralization Pit	Sump	Interim Record of Decision, 100 Area Remaining Sites (1999)†
100-K-19	100-K-19, 183-KW Caustic Soda Storage Tank Site	Foundation	

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Listing by Operable Unit. (Sheet x of xx)

OPERABLE UNIT Waste Unit Name	LEAD REGULATORY AGENCY Waste Unit Aliases	Unit Type	Status
100-KR-2 (continued)			
100-K-25	100-K-25, 183-KE Caustic Neutralization Pit	Sump	
100-K-27	100-K-27, 183-KE Caustic Soda Storage Tank Site	Foundation	
100-K-29	100-K-29, 183-KE Sandblasting Site	Dumping Area	Interim Record of Decision, 100 Area Remaining Sites (1999)†
100-K-30	100-K-30, 183-KE Sulfuric Acid Tank (West Tank)	Storage Tank	Interim Record of Decision, 100 Area Remaining Sites (1999)†
100-K-31	100-K-31, 183-KE Sulfuric Acid Tank (East tank)	Storage Tank	Interim Record of Decision, 100 Area Remaining Sites (1999)†
100-K-32	100-K-32, 183-KW Sulfuric Acid Tank (East tank)	Storage Tank	Interim Record of Decision, 100 Area Remaining Sites (1999)†
100-K-33	100-K-33, 183-KW Sulfuric Acid Tank (West tank)	Storage Tank	Interim Record of Decision, 100 Area Remaining Sites (1999)†
100-K-34	100-K-34, 183-KW Acid Neutralization Pit	Sump	Interim Record of Decision, 100 Area Remaining Sites (1999)†
100-K-35	100-K-35, 183-KE Acid Neutralization Pit	Sump	Interim Record of Decision, 100 Area Remaining Sites (1999)†
100-K-36	100-K-36, 1706-KE Chemical Storage Facility Dry Well	French Drain	Interim Record of Decision, 100 Area Remaining Sites (1999)†
100-K-37	100-K-37, 1706-KE Sulfuric Acid Tank	Storage Tank	
100-K-38	100-K-38, 1706-KE Caustic Soda Tank	Unplanned Release	

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Listing by Operable Unit. (Sheet x of xx)

OPERABLE UNIT Waste Unit Name	LEAD REGULATORY AGENCY Waste Unit Aliases	Unit Type	Status
100-KR-2 (continued)			
100-K-42*	100-K-42, 100 Area KE Basin, 105-KE Fuel Storage Basin, K East Basin, Irradiated Fissile Material Storage, Metal Storage Basin, 100-K-40	Storage	Interim Record of Decision, 100 Area Remaining Sites (1999)†
100-K-43*	100-K-43, KW Basin, 105-KW Fuel Storage Basin, K West Basin, Irradiated Fissile Material Storage	Storage	Interim Record of Decision, 100 Area Remaining Sites (1999)†
100-K-46	100-K-46, 119-KE French Drain, Drywell	French Drain	Interim Record of Decision, 100 Area Remaining Sites (1999)†
100-K-47*	100-K-47, 1904-K Process Sewer	Process Sewer	
100-K-48	100-K-48, 100-KE Oil Contamination Areas	Unplanned Release	Interim Record of Decision, 100 Area Remaining Sites (1999)†
100-K-49	100-K-49, 100-KW Oil Contamination Area	Unplanned Release	Interim Record of Decision, 100 Area Remaining Sites (1999)†
100-K-50*	100-K-50, 1725-K & 1726-K Sanitary Sewer System Holding Tank	Storage Tank	
100-K-53	100-K-53, 100-KE Glycol Heat Recovery Underground Pipelines	Product Piping	Interim Record of Decision, 100 Area Remaining Sites (1999)†
100-K-54	100-K-54, 100-KW Glycol Heat Recovery Underground Pipelines	Product Piping	Interim Record of Decision, 100 Area Remaining Sites (1999)†
100-K-55	100-K-55, 100-KW Reactor Cooling Water Effluent Underground Pipelines	Radioactive Process Sewer	Amendment to the Interim Remedial Action Record of Decision, 100-BC-1, 100-DR-1, 100-HR-1 (1995) (1997)
100-K-56	100-K-56, 100-KE Reactor Cooling Water Effluent Underground Pipelines	Radioactive Process Sewer	Amendment to the Interim Remedial Action Record of Decision, 100-BC-1, 100-DR-1, 100-HR-1 (1995) (1997)

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Listing by Operable Unit. (Sheet x of xx)

OPERABLE UNIT Waste Unit Name	LEAD REGULATORY AGENCY Waste Unit Aliases	Unit Type	Status
100-KR-2 (continued)			
100-K-60	100-K-60, 1904-K Process Sewer (165-KW)	Process Sewer	Explanation of Significant Difference for the 100 Area Remaining Sites Interim ROD (2/2004)
100-K-61	100-K-61, 117-KW Filter Building	Process Unit/Plant	
100-K-62	100-K-62, 117-KE Filter Building	Process Unit/Plant	
100-K-66	100-K-66, 165-KW Power Control Building	Control Structure	
100-K-67*	100-K-67, 165-KE Power Control Building	Control Structure	
100-K-68*	100-K-68, 105-KE Pump Gallery and Catch Tank, D Sump	Catch Tank	
100-K-69*	100-K-69, 105-KE Sump C	Sump	
100-K-70*	100-K-70, 105-KE Waste Storage Tank, Holding Tank	Storage Tank	
100-K-71*	100-K-71, 105-KE Collection Box	Diversion Box	
100-K-72*	100-K-72, 105-KW Pump Gallery and Catch Tank, D Sump	Catch Tank	
100-K-73*	100-K-73, 105-KW Collection Box	Diversion Box	
100-K-74*	100-K-74, 105-KW Waste Storage Tank, Holding Tank	Storage Tank	
100-K-75*	100-K-75, 105-KW Sump C	Sump	
100-K-77	100-K-77, Underground Railroad Ties Southeast of 1706-KE	Dumping Area	Explanation of Significant Difference for the 100 Area Remaining Sites Interim ROD (2/2004)

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Listing by Operable Unit. (Sheet x of xx)

OPERABLE UNIT Waste Unit Name	LEAD REGULATORY AGENCY Waste Unit Aliases	Unit Type	Status
100-KR-2 (continued)			
100-K-79	100-K-79, Sodium Dichromate and Sulfuric Acid Product Pipelines at 100-K	Product Piping	Explanation of Significant Difference for the 100 Area Remaining Sites Interim ROD (2/2004)
100-K-82	100-K-82, 105-KW Fuel Storage Basin Leak	Unplanned Release	
100-K-85	100-K-85, 100-K Temporary Construction Pit	Trench	
118-K-1	118-K-1, 100-K Burial Ground, 118-K	Burial Ground	
126-K-1*	126-K-1, 100-K Gravel Pit	Inert/Demolition Landfill	
128-K-1	128-K-1, 100-K Burning Pit	Burn Pit	Interim Record of Decision, 100 Area Remaining Sites (1999)†
128-K-2	128-K-2, 100-K Construction Dump	Burn Pit	Interim Record of Decision, 100 Area Remaining Sites (1999)†
130-K-2	130-K-2, 1717-K Waste Oil Storage Tank	Storage Tank	Interim Record of Decision, 100 Area Remaining Sites (1999)†
1607-K1	1607-K1, 1607-K1 Septic Tank and Associated Drain Field, 124-K-1, 1607-K1 Sanitary Sewer System, 1607-K1 Septic Tank	Septic Tank	
1607-K2	1607-K2, 1607-K2 Septic Tank and Associated Drain Field, 124-KE-1, 1607-K2 Sanitary Sewer System, 1607-K2 Septic Tank	Septic Tank	
1607-K3	1607-K3, 1607-K3 Septic Tank and Associated Drain Field, 124-KW-2, 1607-K3 Sanitary Sewer System, 1607-K3 Septic Tank	Septic Tank	

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Listing by Operable Unit. (Sheet x of xx)

OPERABLE UNIT Waste Unit Name	LEAD REGULATORY AGENCY Waste Unit Aliases	Unit Type	Status
100-KR-2 (continued)			
1607-K5	1607-K5, 1607-K5 Septic Tank and Associated Drain Field, 124-KE-2, 1607-K5 Sanitary Sewer System, 1607-K5 Septic Tank	Septic Tank	
1607-K6	1607-K6, 1607-K6 Septic Tank and Associated Drain Field, 124-KW-1, 1607-K6 Sanitary Sewer System, 1607-K6 Septic Tank	Septic Tank	
116-KE-1	116-KE-1, 115-KE Condensate Crib	Crib	Amendment to the Interim Remedial Action Record of Decision, 100-BC-1, 100-DR-1, 100-HR-1 (1995) (1997)
116-KE-2	116-KE-2, 1706-KER Waste Crib	Crib	Amendment to the Interim Remedial Action Record of Decision, 100-BC-1, 100-DR-1, 100-HR-1 (1995) (1997)
116-KE-3	116-KE-3, 105-KE Storage Basin French Drain, 105-KE Fuel Storage Basin Sub-Basin Drainage Disposal System Crib	Injection/Reverse Well	Amendment to the Interim Remedial Action Record of Decision, 100-BC-1, 100-DR-1, 100-HR-1 (1995) (1997)
116-KE-5	116-KE-5, 150-KE Heat Recovery Station	Process Unit/Plant	Interim Closed Out (9/23/2005)
118-KE-2	118-KE-2, 105-KE Horizontal Control Rod Storage Cave	Storage	
120-KE-1	120-KE-1, 183-KE Filter Waste Facility Dry Well, 100-KE-1, 183-KE Filter Water Facility, 183-KE Acid Neutralization Pit, 100-K-26	Sump	Interim Record of Decision, 100 Area Remaining Sites (1999)†
120-KE-2	120-KE-2, 183-KE Filter Waste Facility French Drain, 100-KE-2, 183 KE Filter Water Facility	French Drain	Interim Record of Decision, 100 Area Remaining Sites (1999)†
120-KE-3	120-KE-3, 100-KE-3, 183-KE Filter Water Facility Trench	Trench	Interim Record of Decision, 100 Area Remaining Sites (1999)†

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Listing by Operable Unit. (Sheet x of xx)

OPERABLE UNIT Waste Unit Name	LEAD REGULATORY AGENCY Waste Unit Aliases	Unit Type	Status
100-KR-2 (continued)			
120-KE-4	120-KE-4, 183-KE1 Sulfuric Acid Storage Tank	Storage Tank	
120-KE-5	120-KE-5, 183-KE2 Sulfuric Acid Storage Tank	Storage Tank	
120-KE-6	120-KE-6, 183-KE Sodium Dichromate Tank	Foundation	Interim Record of Decision, 100 Area Remaining Sites (1999)†
120-KE-8	120-KE-8, 165-KE Brine Pit, 165-KE Brine Mixing Tank	Sump	
120-KE-9	120-KE-9, 183-KE Brine Pit, 183-KE Salt Dissolving Pits and Brine Pump Pit	Sump	
126-KE-2	126-KE-2, 183-KE Liquid Alum Storage Tank #2	Storage Tank	
130-KE-1	130-KE-1, 105-KE Emergency Diesel Oil Storage Tank, 105-KE Emergency Diesel Fuel Tank	Storage Tank	Interim Record of Decision, 100 Area Remaining Sites (1999)†
130-KE-2	130-KE-2, 166-KE Oil Storage Tank	Storage Tank	
132-KE-1	132-KE-1, 116-KE Reactor Exhaust Stack	Stack	
116-KW-1	116-KW-1, 115-KW Condensate Crib	Crib	Interim Remedial Action Record of Decision, 100-BC-1, 100-DR-1, 100-HR-1 (1995)
116-KW-2	116-KW-2, 105-KW Storage Basin French Drain, 105-KW Basin Reverse Well, 105-KW Fuel Storage Basin Sub-Basin Drainage Disposal System Crib	Injection/Reverse Well	Amendment to the Interim Remedial Action Record of Decision, 100-BC-1, 100-DR-1, 100-HR-1 (1995) (1997)
116-KW-4	116-KW-4, 150-KW Heat Recovery Station	Process Unit/Plant	Interim Closed Out (9/23/2005)
118-KW-2	118-KW-2, 105-KW Horizontal Control Rod Storage Cave	Storage	

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Listing by Operable Unit. (Sheet x of xx)

OPERABLE UNIT Waste Unit Name	LEAD REGULATORY AGENCY Waste Unit Aliases	Unit Type	Status
100-KR-2 (continued)			
120-KW-1	120-KW-1, 183-KW Filter Water Facility Dry Well, 100-KW-1, 183-KW Acid Neutralization Pit, 100-K-17	Sump	Interim Record of Decision, 100 Area Remaining Sites (1999)†
120-KW-2	120-KW-2, 183-KW Filter Water Facility French Drain, 100-KW-2	French Drain	Interim Record of Decision, 100 Area Remaining Sites (1999)†
120-KW-3	120-KW-3, 183-KW1 Sulfuric Acid Storage Tank	Storage Tank	
120-KW-4	120-KW-4, 183-KW2 Sulfuric Acid Storage Tank	Storage Tank	
120-KW-5	120-KW-5, 183-KW Sodium Dichromate Storage Tank	Foundation	Interim Record of Decision, 100 Area Remaining Sites (1999)†
120-KW-6	120-KW-6, 165-KW Brine Pit, 165-KW Brine Mixing Tank	Sump	
120-KW-7	120-KW-7, 183-KW Brine Pit, 183-KW Salt Dissolving Pits and Brine Pump Pit	Sump	
130-KW-1	130-KW-1, 105-KW Emergency Diesel Oil Storage Tank, 105-KW Emergency Diesel Fuel Tank	Storage Tank	Interim Record of Decision, 100 Area Remaining Sites (1999)†
130-KW-2	130-KW-2, 1666-KW Oil Storage Tank	Storage Tank	
132-KW-1	132-KW-1, 116-KW Reactor Exhaust Stack	Stack	
600-29	600-29, 100-K Construction Lay-down Area, 100-K-41	Dumping Area	Interim Record of Decision, 100 Area Remaining Sites (1999)†
UPR-100-K-1	UPR-100-K-1, 100-KE Fuel Storage Basin leak, UN-100-K-1	Unplanned Release	Interim Record of Decision, 100 Area Remaining Sites (1999)†

Appendix C

Listing by Operable Unit. (Sheet x of xx)

* Active waste management units where a hazardous substance has been potentially released or a substantial threat of a release of a hazardous substance exists.

**Treatment Storage and Disposal (TSD) units where closure and permitting activities are to be coordinated with past practice investigation and remediation activities.

† Interim Action Record of Decision for the 100-BC-1, 100-BC-2, 100-DR-1, 100-DR-2, 100-FR-1, 100-FR-2, 100-HR-1, 100-HR-2, 100-KR-1, 100-KR-2, 100-IU-2, 100-IU-6, and 200-CW-3 Operable Units (1999)