

**APPENDIX B**

**OPERABLE UNIT-SPECIFIC LAND USE CONTROL IMPLEMENTATION PLANS**

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Table B- 1 Unit-Specific LUCIPs

Unit Name	Document Title	Approval Date <sup>1</sup>	Tab Number <sup>2</sup>	Watershed Figure <sup>3</sup>
A-Area Burning/Rubble Pits, 731-A and -1A and A-Area Rubble Pit, 731-2A <sup>h</sup>	Appendix A of <i>Post-Construction Report for the A-Area Burning/Rubble Pits, 731-A and -1A and A-Area Rubble Pit, 731-2A</i> (WSRC-RP-2003-4019, Revision 1, July 2003)	09/12/2003	1	7
A-Area Burning/Rubble Pits (731-A, -1A) and Rubble Pit (731-2A) and the Miscellaneous Chemical Basin/Metals Burning Pit (731-4A and -5A) Operable Unit <sup>i</sup>	<i>Land Use Control Implementation Plan for the A-Area Burning/Rubble Pits (731-A, -1A) and Rubble Pit (731-2A) &amp; the Miscellaneous Chemical Basin/Metals Burning Pit (731-4A &amp; -5A) Operable Unit</i> (WSRC-RP-2006-4073, Revision 1, September 2007)	2/7/2008	37	7
A-Area Miscellaneous Rubble Pile, 731-6A	Appendix A of <i>Corrective Measures Implementation/ Remedial Action Implementation Plan for A-Area Miscellaneous Rubble Pile, 731-6A</i> (WSRC-RP-2002-4067, Revision 1, July 2003)	08/07/2003	2	7
B Area Operable Unit (consists of 770-U Test Reactor Building (HWCTR), ECODS B-3 (East of B Area, South of Road C), and ECODS B-5 (Adjacent to ECODS B-3))	<i>Land Use Control Implementation Plan for B Area Operable Unit (U)</i> (SRNS-RP-2013-00113, Revision 1, January 2014)	01/13/2014	45	7
C-, K-, and L-Reactor Complexes Early Action	<i>Land Use Control Implementation Plan for the C-, K-, and L-Reactor Complexes Early Action</i> (SRNS-RP-2009-01470, Revision 1, May 2010)	7/1/2010	38	2 (C) 4 (K) 6 (L)
C-Area Burning/Rubble Pit Operable Unit (131-C) and Old C-Area Burning/Rubble Pit (NBN)	<i>Land Use Control Implementation Plan for the C-Burning/Rubble Pit Operable Unit (131-C) and Old C-Area Burning/Rubble Pit (NBN)</i>	06/11/2009	35	2

<sup>h</sup> This LUCIP provides the signage for the A-Area Burning/Rubble Pits, 731-A and -1A and A-Area Rubble Pit, 731-2A; however, this LUCIP was superseded by the LUCIP for the A-Area Burning/Rubble Pits (731-A, -1A) and Rubble Pit (731-2A) and the Miscellaneous Chemical Basin/Metals Burning Pit (731-4A and -5A) Operable Unit (WSRC-RP-2006-4073, Revision 1, September 2007).

<sup>i</sup> This OU includes the A-Area Ash Pile (788-2A).

Unit Name	Document Title	Approval Date <sup>1</sup>	Tab Number <sup>2</sup>	Watershed Figure <sup>3</sup>
	(WSRC-RP-2008-4050, Revision 1.1, April 2009)			
C-Area Operable Unit Early Action (consists of Potential Release from C-Area Disassembly Basin, Potential Release from C-Area Reactor Cooling Water System, C-Area Cask Car Railroad Tracks as Abandoned, ECODS C-1, C-Area Process Sewer Lines as Abandoned)	<i>Early Action Land Use Control Implementation Plan for the C-Area Operable Unit (U)</i> (SRNS-RP-2015-00034, Revision 1, September 2015)	9/30/2015	47	2
C-Area Reactor Seepage Basins, 904-66G, -67G, and -68G	Appendix A of <i>Post-Construction Report/Final Remediation Report for C-Area Reactor Seepage Basins, 904-66G, -67G, and 68G</i> (WSRC-RP-2002-4219, Revision 1, January 2003)	03/19/2003	3	2
Central Shops Burning/Rubble Pits, 631-1G and 631-3G	Appendix A of <i>Corrective Measures Implementation/ Remedial Action Implementation Plan for Central Shops Burning/Rubble Pits, 631-1G and 631-3G</i> (WSRC-RP-2003-4018, Revision 1, August 2003)	09/12/2003	4	2
CMP Pits, 80-170G, -171G, -180G, -181G, -182G, -183G, and -190G	<i>Land Use Control Implementation Plan for the Chemical, Metals, and Pesticides Pits Operable Unit, 080-170G, 080-180G, 080-181G, 080-182G, 080-183G, and 080-190G</i> (WSRC-RP-2005-4078, Revision 1.2, July 2007)	08/09/2007	29	4
D-Area Burning/Rubble Pits, 431-D and -1D	Section 2.0 of <i>Final Remediation Report for the D-Area Burning/Rubble Pits (431-D and 431-ID)</i> (WSRC-RP-97-406, Revision 1.1, March 1998)	04/22/1998	31	5
D-Area Expanded Operable Unit (consists of D-Area Ash Basin, 488-D and D-Area Rubble Pit, 431-2D)	<i>Land Use Control Implementation Plan for the D-Area Expanded Operable Unit</i> (WSRC-RP-2004-4065, Revision 1, June 2005)	08/03/2005	27	5

Unit Name	Document Title	Approval Date <sup>1</sup>	Tab Number <sup>2</sup>	Watershed Figure <sup>3</sup>
D-Area Oil Seepage Basin, 631-G	Appendix B of <i>Corrective Measures Implementation/ Remedial Design/Remedial Design Report/Remedial Action Workplan for the D-Area Oil Seepage Basin, 631-G</i> (WSRC-RP-99-4006, Revision 1, August 1999)	08/16/1999	5	5
D Area Operable Unit Early Action (consists of Spills from 483-D and Associated Areas (NBN), D-Area Asbestos Pit, 080-20G, D-Area Coal Pile Runoff Basin, 489-D, D-Area Process Sewer Lines as Abandoned, NBN, D-Area Waste Oil Facility, 484-10D, D-006 Petroleum Release Site, NBN)	<i>Early Action Land Use Control Implementation Plan for the D Area Operable Unit</i> (SRNS-RP-2011-01166, Revision 0 (corrected), July 2011)	08/25/2011	41	5
D-Area Operable Unit Second Early Action (consists of the 488-1D Ash Basin [including Inlet Basins], 488-2D Ash Basin, 488-4D Ash Landfill, and 489-D Coal Pile Runoff Basin [Southern 75%]) <sup>j</sup>	<i>Second Early Action Land Use Control Implementation Plan for the D-Area Operable Unit (U)</i> (SRNS-RP-2020-00759, Revision 0, November 2020)	02/26/2021	49	5
Early Construction and Operational Disposal Site (ECODS) L-1, N-2, P-2, and R-1A, -1B, -1C	<i>Land Use Control Implementation Plan for the Early Construction and Operational Disposal Site (ECODS) L-1, N-2, P-2, &amp; R-1A, -1B, -1C</i> (SRNS-RP-2009-01373, Revision 1, April 2010)	6/9/2010	39	3 (R-1A, -1B, -1C) 4 (N-2) 6 (L-1, P-2)
F-Area Burning/Rubble Pits, 231-F, -1F, and -2F	Section 2.0 of <i>Final Remediation Report for the F-Area Burning/Rubble Pits (231-F, 231-1F, and 231-2F)</i> (WSRC-RP-97-193 Revision 1.1, March 1998)	04/23/1998	33	7
F-Area Industrial Solid Waste Landfill	<i>Land Use Control Implementation Plan for the F-Area Industrial Solid Waste</i>	06/01/2000	44	NA

<sup>j</sup> No remedial action is needed for the 489-D Coal Pile Runoff Basin (Southern 75%) or the Inlet Basins portion of the 488-1D Ash Basin.

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	<i>Landfill</i> (WSRC-RP-2000-4086, Revision 0, June 2000)			
F-Area Retention Basin, 281-3F	Appendix A of <i>Corrective Measures Implementation/Post-Construction Report/Final Remediation Report for the F-Area Retention Basin, 281-3F</i> (WSRC-RP-2001-4049, Revision 1, September 2001)	10/15/2001	6	2
Ford Building Seepage Basin, 904-91G	Appendix A of <i>Post-Construction Report/Corrective Measures Implementation Report/Final Remediation Report for the Ford Building Seepage Basin, 904-91G</i> (WSRC-RP-2003-4038, Revision 1, October 2003)	09/17/2003	7	4
General Separations Area (consists of Old Radioactive Waste Burial Ground (Including Solvent Tanks 650-01E to 22E), 643-E, HP-52 Ponds, H-Area Retention Basin, 281-3H, Spill on 05/01/1956 of Unknown of Retention Basin Pipe Leak, NBN, Warner's Pond, 685-23G, Spill on 03/08/1978 of Unknown Seepage Basin Pipe Leak in H-Area Seepage Basin, NBN, and Spill on 02/08/1978 of Unknown of H-Area Process Sewer Line Cave-in, NBN)	Appendix A of <i>Corrective Measures Implementation/ Remedial Action Implementation Plan (CMI/RAIP) for the General Separations Area Consolidation Unit</i> (WSRC-RP-2003-4053, Revision 1.1, November 2003)	12/12/2003	8	2
Gunsite 012 Operable Unit (consists of Gunsite 012 Rubble Pile, NBN, Rubble Pile Across from Gunsite 012, NBN, and ECODS G-3 [Adjacent to Gunsite 012], NBN) <sup>k</sup>	<i>Land Use Control Implementation Plan for the Gunsite 012 Operable Unit</i> (SRNS-RP-2011-00293, Revision 1, August 2011)	09/07/2011	42	3

<sup>k</sup> A remedy of No Action was selected for Rubble Pile Across from Gunsite 012 and ECODS G-3 (Adjacent to Gunsite 012).

Unit Name	Document Title	Approval Date <sup>1</sup>	Tab Number <sup>2</sup>	Watershed Figure <sup>3</sup>
Heavy Equipment Wash Basin, NBN	<i>Land Use Control Implementation Plan for the Heavy Equipment Wash Basin and Central Shops Burning Rubble Pit (631-5G)</i> <sup>1</sup> (WSRC-RP-2005-4015, Revision 1, July 2005)	09/01/2005	26	2
K-Area Bingham Pump Outage Pit, 643-1G	Section 2 of <i>Final Remediation Report for the K-Area Bingham Pump Outage Pit, 643-1G</i> , (WSRC-RP-98-4003, Revision 1, August 1998)	10/05/1998	9	4
K-Area Burning/Rubble Pit, 131-K and K-Area Rubble Pile, 631-20G	Appendix D of <i>Post-Construction Report for the K-Area Burning/Rubble Pit 131-K and K-Area Rubble Pile 631-20G</i> (WSRC-RP-2002-4095, Revision 1, October 2002)	11/22/2002	10	4
K-Area Reactor Seepage Basin, 904-65G	Appendix A of <i>Post-Construction Report for the K-Area Reactor Seepage Basin</i> (WSRC-RP-2002-4030, Revision 1, July 2002)	09/30/2002	11	4
L- and P-Area Bingham Pump Outage Pits, 643-2G, 643-3G and 643-4G	Section 2.0 of <i>Final Remediation Report for the L- and P-Area Bingham Pump Outage Pits, 643-2G, 643-3G and 643-4G</i> (WSRC-RP-2000-4030, Revision 0, March 2000)	06/13/2000	12	4 (643-2G, 643-3G) 3 (643-4G)
L-Area Oil and Chemical Basin, 904-83G	Appendix A of <i>Post-Construction Report/Final Remediation Report for the L-Area Oil and Chemical Basin, 904-83G</i> (WSRC-RP-2001-4078, Revision 1, September 2001)	11/05/2001	14	6
L-Area Reactor Seepage Basin, 904-064G	Appendix A of <i>Post-Construction Report/Final Remediation Report for the L-Area Reactor Seepage Basin</i> (WSRC-RP-2003-4118, Revision 1, February 2004)	03/19/2004	15	6
L-Area Southern Groundwater Operable Unit	<i>Land Use Control Implementation Plan for L-Area Southern Groundwater Operable</i>	05/08/2009	34	6

<sup>1</sup> Central Shops Burning Rubble Pit (631-5G) was designated as a No Action OU and removed from the LUCAP.

Unit Name	Document Title	Approval Date <sup>1</sup>	Tab Number <sup>2</sup>	Watershed Figure <sup>3</sup>
	<i>Unit</i> (WSRC-RP-2007-4049, Revision 1, April 2009)			
Lower Three Runs Integrator Operable Unit (IOU) Tail Portion (Middle and Lower Subunits)	<i>Early Action Land Use Control Implementation Plan for the Lower Three Runs Integrator Operable Unit Tail Portion (Middle and Lower Subunits)</i> (SRNS-RP-2013-00046, Revision 1, August 2013)	8/22/2013	46	3
Lower Three Runs IOU) Tail Portion (Upper Subunit) (consists of PAR Pond [Including the Pre-Cooler Ponds and Canals], 685-G and Old R-Area Discharge Canal, NBN)	<i>Land Use Control Implementation Plan for the Lower Three Runs Integrator Operable Unit (Upper Subunit)</i> (SRNS-RP-2022-00017, Revision 1, August 2022)	10/04/2022	50	3
M Area Operable Unit (consists of Underground Sump 321 M #001, Underground Sump 321 M #002, Salvage Yard, 741-A, and Potential Release of TCT, TET TCE, HNO <sub>3</sub> , U, Heavy Metals from 321-M Abandoned Sewer Line, NBN)	<i>Land Use Control Implementation Plan for the M Area Operable Unit (MAOU)</i> (WSRC-RP-2008-4067, Revision 1, April 2009)	05/08/2009	36	7
M-Area Inactive Process Sewer Lines Operable Unit, 081-M (consists of 313-M and 320-M Inactive Clay Process Sewers to Tims Branch, NBN) <sup>m</sup>	<i>Land Use Control Implementation Plan for the M-Area Inactive Sewer Lines Operable Unit</i> (WSRC-RP-2006-4068, Revision 1, April 2007)	05/17/2007	30	5 (081-M)  7 (313-M, 320-M)
Miscellaneous Chemical Basin/Metals Burning Pit, 731-4A and 731-5A <sup>n</sup>	Appendix A of <i>Interim Post-Construction Report for the Miscellaneous Chemical Basin/Metals Burning Pit, 731-4A and 731-5A</i> (WSRC-RP-2002-4038, Revision 1.1, December 2002)	03/13/2003	17	7

<sup>m</sup> The M-Area Inactive Process Sewer Lines Operable Unit is divided between the Savannah River and Floodplain Swamp Watershed and the Upper Three Runs Watershed.

<sup>n</sup> This LUCIP provides the signage for the Miscellaneous Chemical Basin, 731-4A; however, this LUCIP was superseded by the LUCIP for the A-Area Burning/Rubble Pits (731-A, -1A) and Rubble Pit (731-2A) and the Miscellaneous Chemical Basin/Metals Burning Pit (731-4A and -5A) Operable Unit (WSRC-RP-2006-4073, Revision 1, September 2007). The Metals Burning Pit, 731-5A, is located outside the established land use controls boundary and no further problem warranting action exist in the surface soil subunit; therefore, inspections were discontinued in 2022.



Unit Name	Document Title	Approval Date <sup>1</sup>	Tab Number <sup>2</sup>	Watershed Figure <sup>3</sup>
Old F-Area Seepage Basin, 904-49G	Appendix A of <i>Post-Construction Report for the Old F-Area Seepage Basin, 904-49G</i> (WSRC-RP-2000-4100, Revision 1, August 2001)	08/01/2001	18	7
P-Area Burning/Rubble Pit, 131-P	Appendix A of <i>Corrective Measures Implementation/Remedial Action Implementation Plan P-Area Burning/Rubble Pit, 131-P</i> (WSRC-RP-2002-4216, Revision 1, August 2003)	09/26/2003	19	6
P Area Operable Unit (consists of P-Area Ash Basin (Including Outfall P-007), 188-0P; P-Area Process Sewer Lines as Abandoned, NBN and Spill on 03/15/79 of 5500 Gallons of Contaminated Water, NBN; P-Area Reactor Area Cask Car Railroad Tracks as Abandoned, NBN; Potential Release from P-Area Disassembly Basin, NBN; Potential Release from P-Area Reactor Cooling Water System, 186/190-P)	<i>Land Use Control Implementation Plan for the P Area Operable Unit</i> (SRNS-RP-2010-00619, Revision 1, October 2010)	11/29/2010	40	6
P-Area Reactor Seepage Basins, 904-61G, -62G, and -63G	<i>Land Use Control Implementation Plan for P-Area Reactor Seepage Basins, 904-61G, -62G, and -63G</i> (WSRC-RP-2003-4139, Revision 1, January 2004)	03/03/2004	20	6
R-Area Bingham Pump Outage Pits, 643-8G, -9G, and -10G and R-Area Unknown Pits #1, #2, and #3, RUNKS-1, -2, and -3	Appendix B of <i>Final Remediation Report for the R-Area Bingham Pump Outage Pits, 643-8G, -9G, and -10G and R-Area Unknown Pits #1, #2, and #3, RUNKS-1, -2, and -3</i> (WSRC-RP-2003-4061, Revision 1, July 2003)	08/29/2003	21	3
R-Area Burning/Rubble Pits (131-R and -1R) and R-Area Rubble Pile (631-25G)	<i>Land Use Control Implementation Plan for R-Area Burning/Rubble Pits (131-R and 131-1R) and R-Area Rubble Pile (631-25G)</i>	03/16/2005	25	3

Unit Name	Document Title	Approval Date <sup>1</sup>	Tab Number <sup>2</sup>	Watershed Figure <sup>3</sup>
	<i>Operable Unit</i> (WSRC-RP-2004-4119, Revision 0, January 2005)			
R Area Operable Unit (consists of Area on the North Side of Building 105-R, Laydown Area North of 105-R, and Release from the Decontamination of R-Area Reactor Disassembly Basin, NBN, Combined Spills North of Building 105-R, NBN, Cooling Water Effluent Sump, 107-R, Potential Release from R-Area Disassembly Basin, NBN, Potential Release of NaOH/H <sub>2</sub> SO <sub>4</sub> from 183-2R, NBN, R-Area Ash Basin, 188-0R, R-Area Groundwater, R-Area Process Sewer Lines as Abandoned, NBN, R-Area Reactor Area Cask Car Railroad Tracks as Abandoned, NBN)	<i>Land Use Control Implementation Plan for the R Area Operable Unit</i> (SRNS-RP-2010-01208, Revision 1, February 2011)	03/07/2011	43	3
R-Area Reactor Seepage Basins, 904-57G, -58G, -59G, -60G, -103G, and -1-4G	<i>Land Use Control Implementation Plan for R-Area Reactor Seepage Basins, 904-57G, -58G, -59G, -60G, -103G, and -104G</i> (WSRC-RP-2004-4032, Revision 1, September 2004)	11/16/2004	24	7
Silverton Road Waste Unit, 731-3A	Section 2.0 of <i>Final Remediation Report for the Silverton Road Waste Unit (731-3A)</i> (WSRC-RP-97-153 Revision 1.1, March 1998)	04/23/1998	32	5
SRL Seepage Basins, 904-51G1, -53G2, -54G, and -55G	Appendix A of <i>Corrective Measures Implementation Report/Post-Construction Report/ Final Remediation Report for the SRL Seepage Basins, 904-51G1, -53G3, -54G, and -55G</i> (WSRC-RP-2001-4123, Revision 1, February 2002)	04/04/2002	22	7

Unit Name	Document Title	Approval Date <sup>1</sup>	Tab Number <sup>2</sup>	Watershed Figure <sup>3</sup>
T Area Operable Unit (consists of Neutralization Sump, 678-T; X-001 Outfall Drainage Ditch, NBN; TNX Outfall Delta, Lower Discharge Gully, and Swamp, NBN; and TNX-Area Process Sewer Lines and Tile Fields as Abandoned, NBN)	<i>Land Use Control Implementation Plan for T Area Operable Unit</i> (WSRC-RP-2005-4029, Revision 1, July 2006)	10/10/2006	28	5
TNX Groundwater (082-G), Old TNX Seepage Basin (904-076G), and New TNX Seepage Basin (904-102G)	<i>Land Use Control Implementation Plan for TNX Operable Unit</i> (WSRC-RP-2003-4173, Revision 1, April 2004)	05/04/2004	23	5
Wetland Area at Dunbarton Bay	<i>Land Use Control Implementation Plan for the Wetland Area at Dunbarton Bay in Support of Steel Creek Integrator Operable Unit (U)</i> (SRNS-RP-2018-00479, Revision 1, November 2018)	11/28/2018	48	6

<sup>1</sup> Date of the latest regulatory approval received.

<sup>2</sup> This refers to the tab attachment for the unit LUCIP.

<sup>3</sup> This refers to the location of the unit on the watershed figures in the LUCAP.

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