Savannah River Site

Risk-Based End State Vision

Appendices B-D

Draft: March 30, 2004

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Volume 2
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APPENDIX B

Watershed Maps, Conceptual Site Models, and Hazard Tables

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WATERSHEDS

The discussion on watersheds can be found in Chapter 4, Hazard Specific Discussion.

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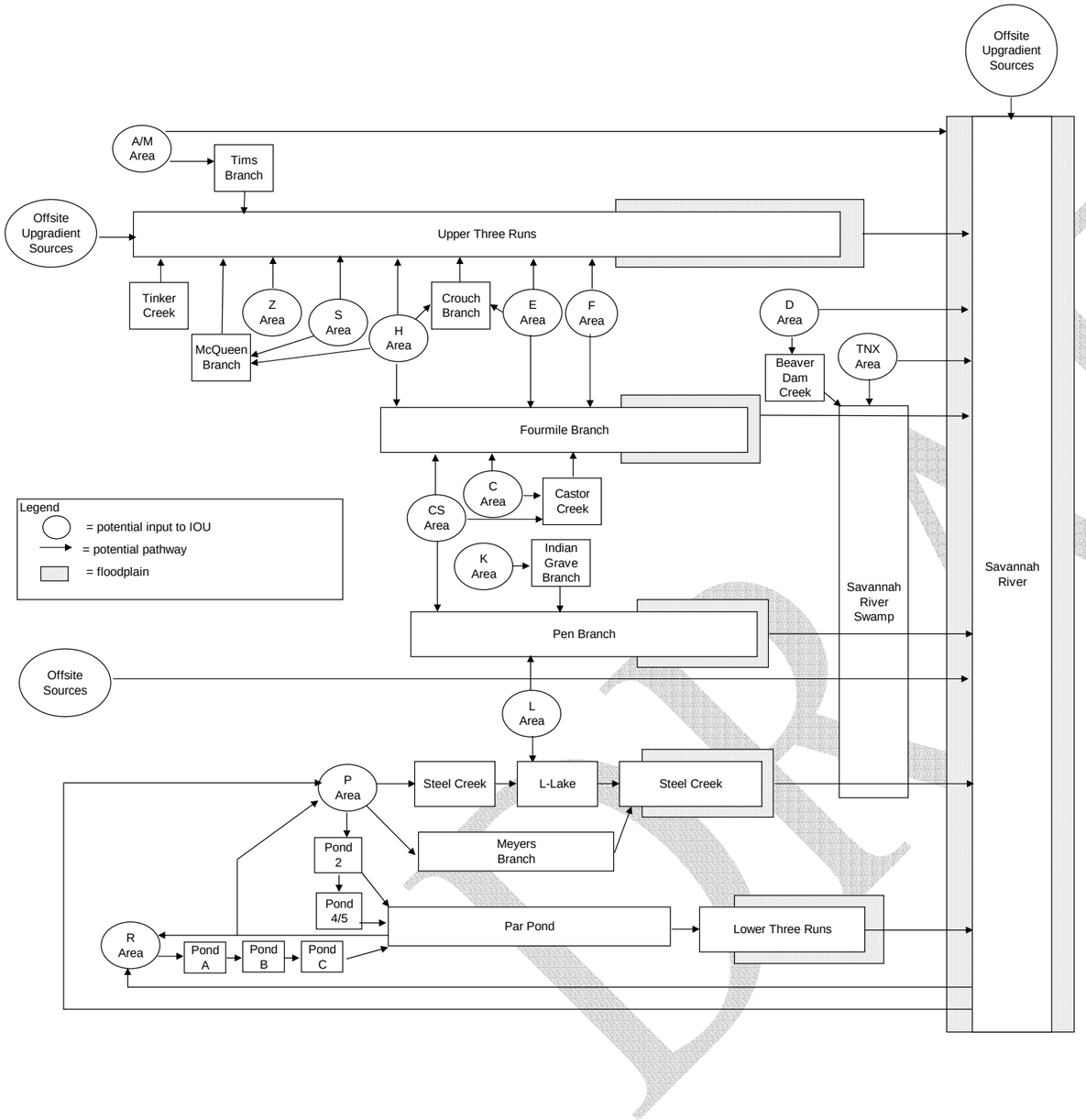
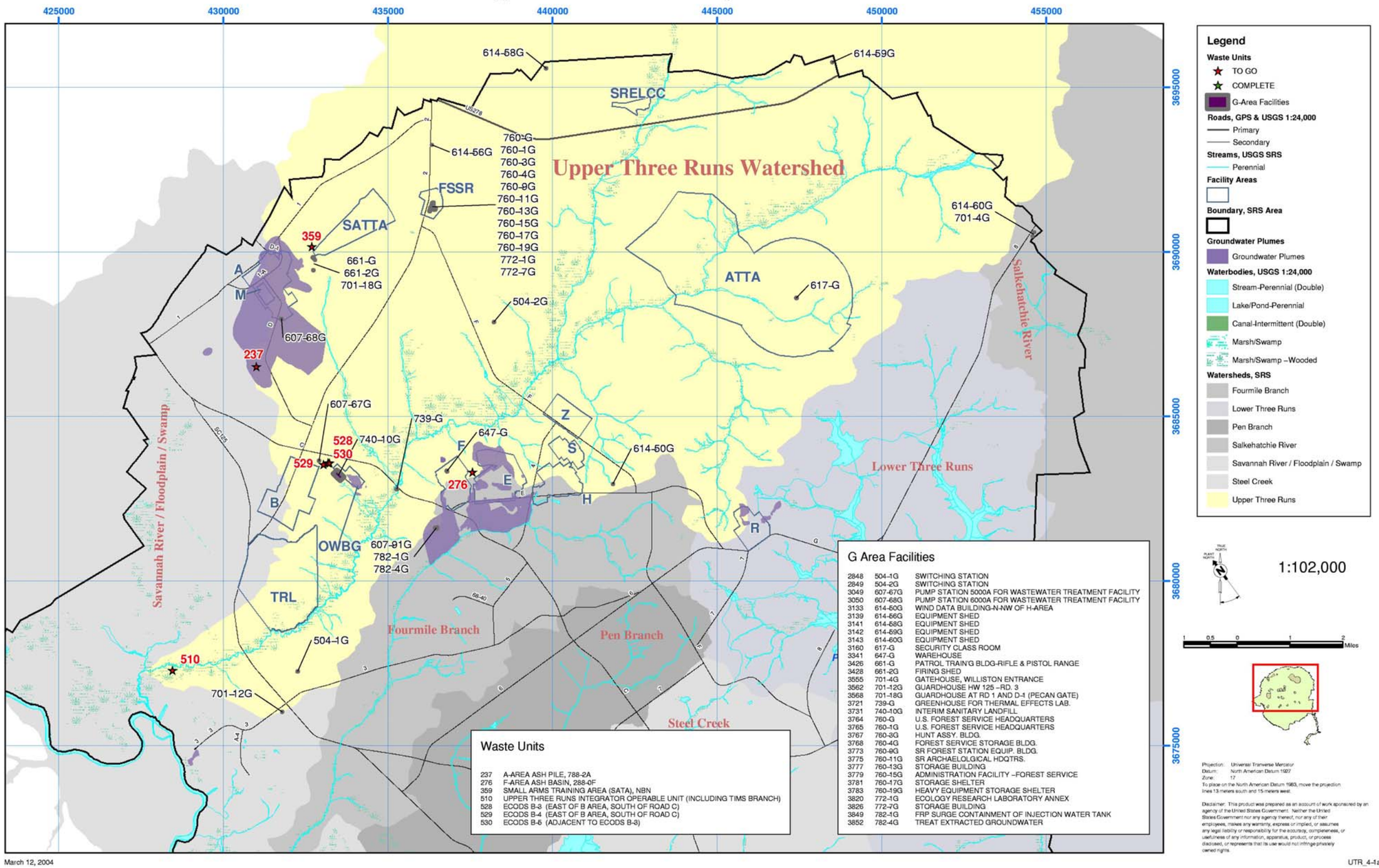


Figure 4.0. SRS Sitewide Conceptual Site Model

4.1a –Upper Three Runs Watershed Map



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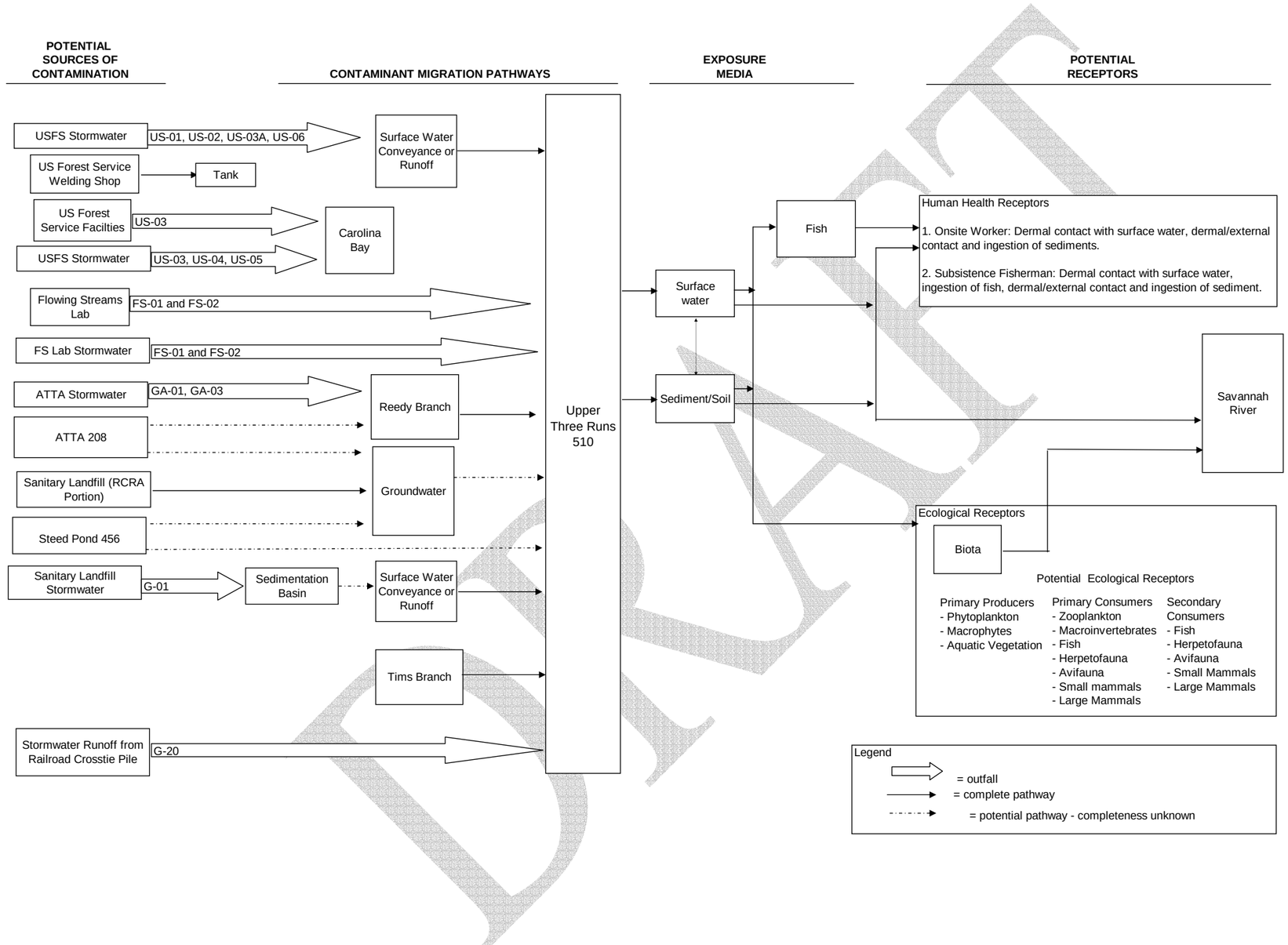
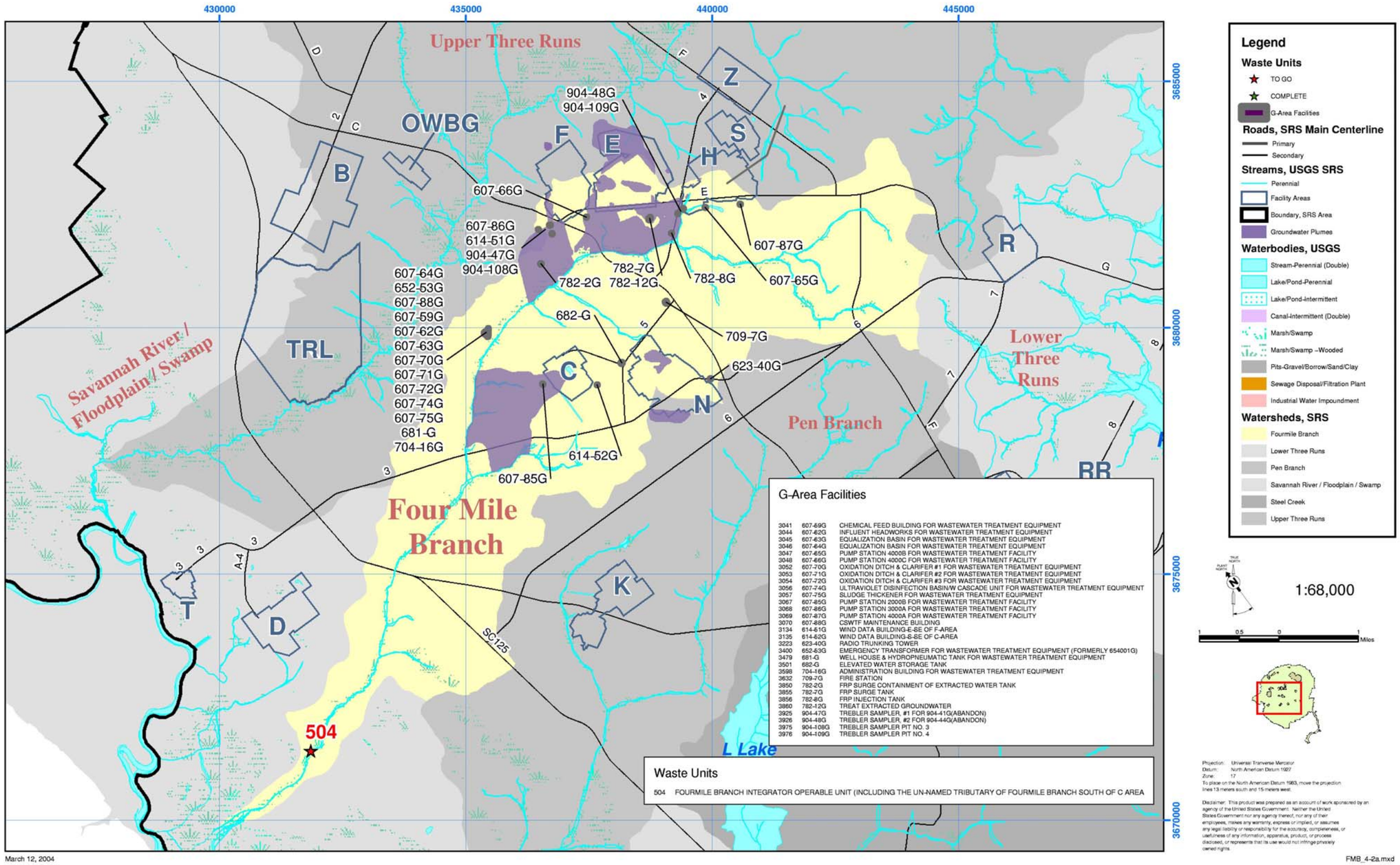


Figure 4.1b Upper Three Runs Watershed/IOU G-Area Conceptual Site Model

4.2a –Fourmile Branch Watershed Map



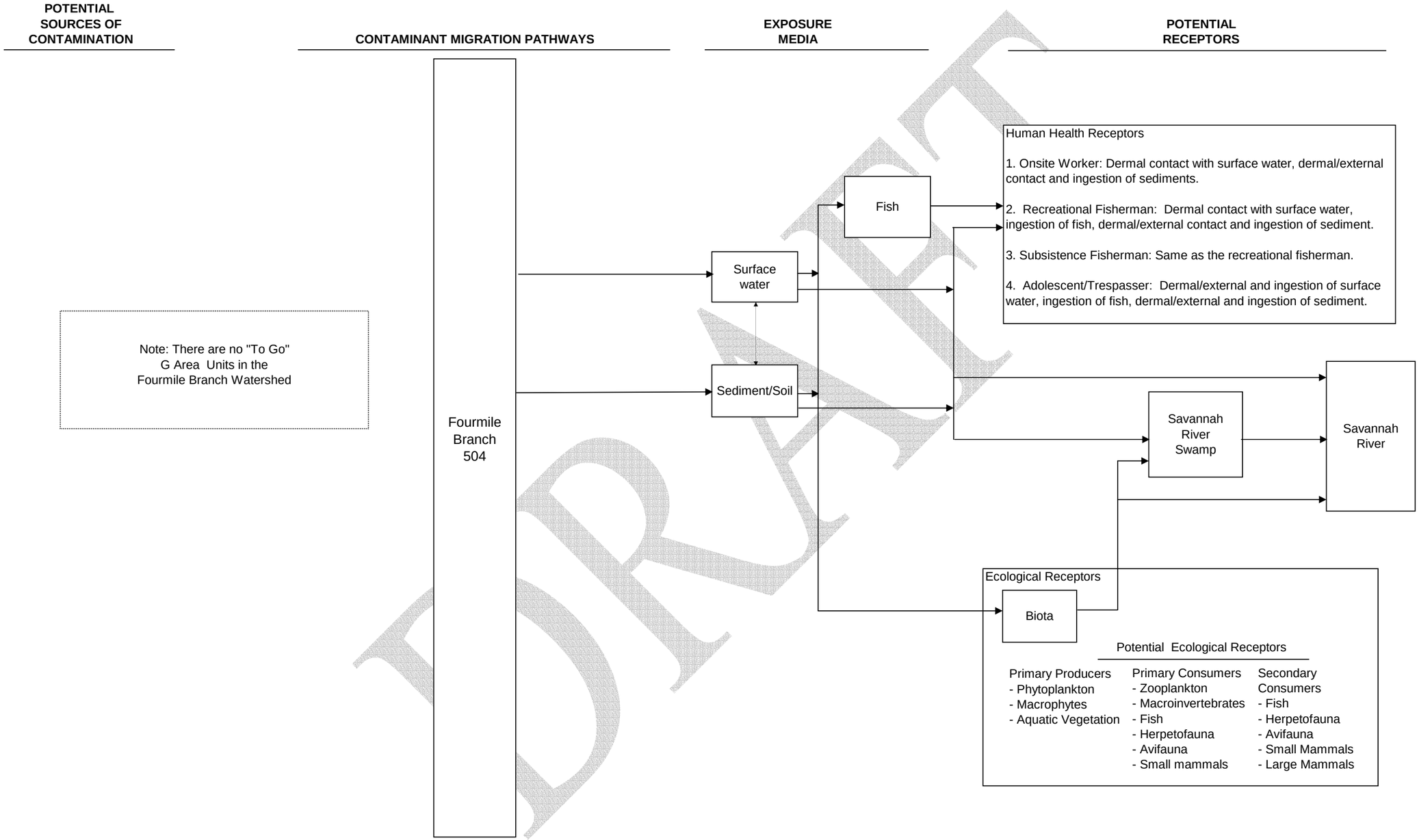
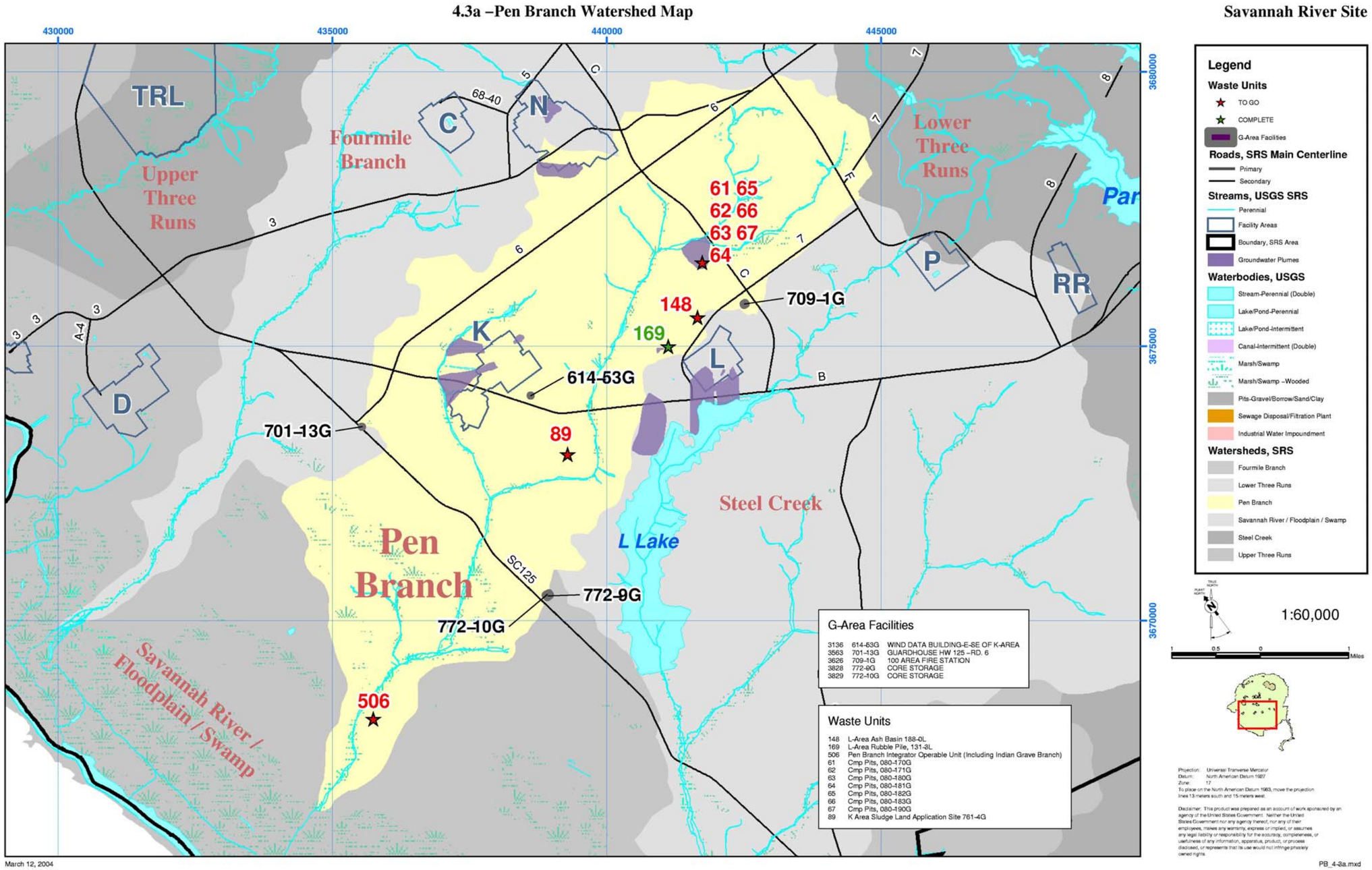


Figure 4.2b Fourmile Branch Watershed G Area IOU


4.3a –Pen Branch Watershed Map
Savannah River Site
430000
435000
440000
445000
3680000
3675000
3670000
TRL
Upper Three Runs
Fourmile Branch
C
N
68-40
Lower Three Runs
P
RR
Par
61 65
62 66
63 67
64
148
169
709-1G
K
L
614-53G
D
701-13G
89
Steel Creek
L Lake
Pen Branch
SC125
772-9G
772-10G
Savannah River / Floodplain / Swamp
506
A-4
G-Area Facilities
3136 614-53G WIND DATA BUILDING-E-SE OF K-AREA
3563 701-13G GUARDHOUSE HW 125 –RD. 6
3626 709-1G 100 AREA FIRE STATION
3828 772-9G CORE STORAGE
3829 772-10G CORE STORAGE
Waste Units
148 L-Area Ash Basin 188-0L
169 L-Area Rubble Pile, 131-3L
506 Pen Branch Integrator Operable Unit (Including Indian Grave Branch)
61 Cmp Pits, 080-170G
62 Cmp Pits, 080-171G
63 Cmp Pits, 080-180G
64 Cmp Pits, 080-181G
65 Cmp Pits, 080-182G
66 Cmp Pits, 080-183G
67 Cmp Pits, 080-190G
89 K Area Sludge Land Application Site 761-4G
Legend
Waste Units
TO GO
COMPLETE
G-Area Facilities
Roads, SRS Main Centerline
Primary
Secondary
Streams, USGS SRS
Perennial
Facility Areas
Boundary, SRS Area
Groundwater Plumes
Waterbodies, USGS
Stream-Perennial (Double)
Lake/Pond-Perennial
Lake/Pond-Intermittent
Canal-Intermittent (Double)
Marsh/Swamp
Marsh/Swamp –Wooded
Pits-Gravel/Borrow/Sand/Clay
Sewage Disposal/Filtration Plant
Industrial Water Impoundment
Watersheds, SRS
Fourmile Branch
Lower Three Runs
Pen Branch
Savannah River / Floodplain / Swamp
Steel Creek
Upper Three Runs
1:60,000
0.5
0
1
Miles
Projection: Universal Transverse Mercator
Datum: North American Datum 1927
Zone: 17
To place on the North American Datum 1983, move the projection lines 13 meters south and 15 meters west
Disclaimer: This product was prepared as an account of work sponsored by an agency of the United States Government. Neither the United States Government nor any agency thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights.
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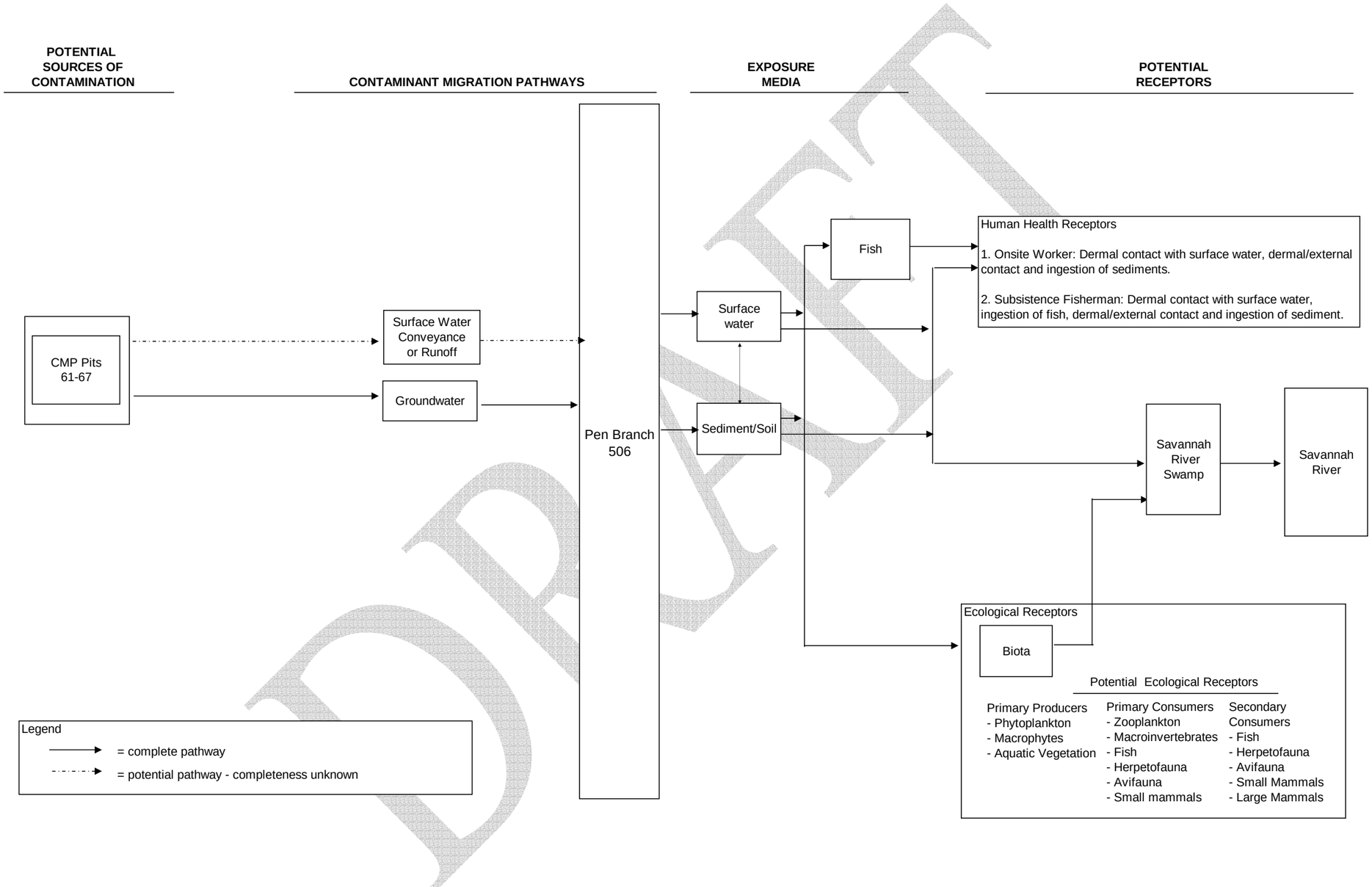
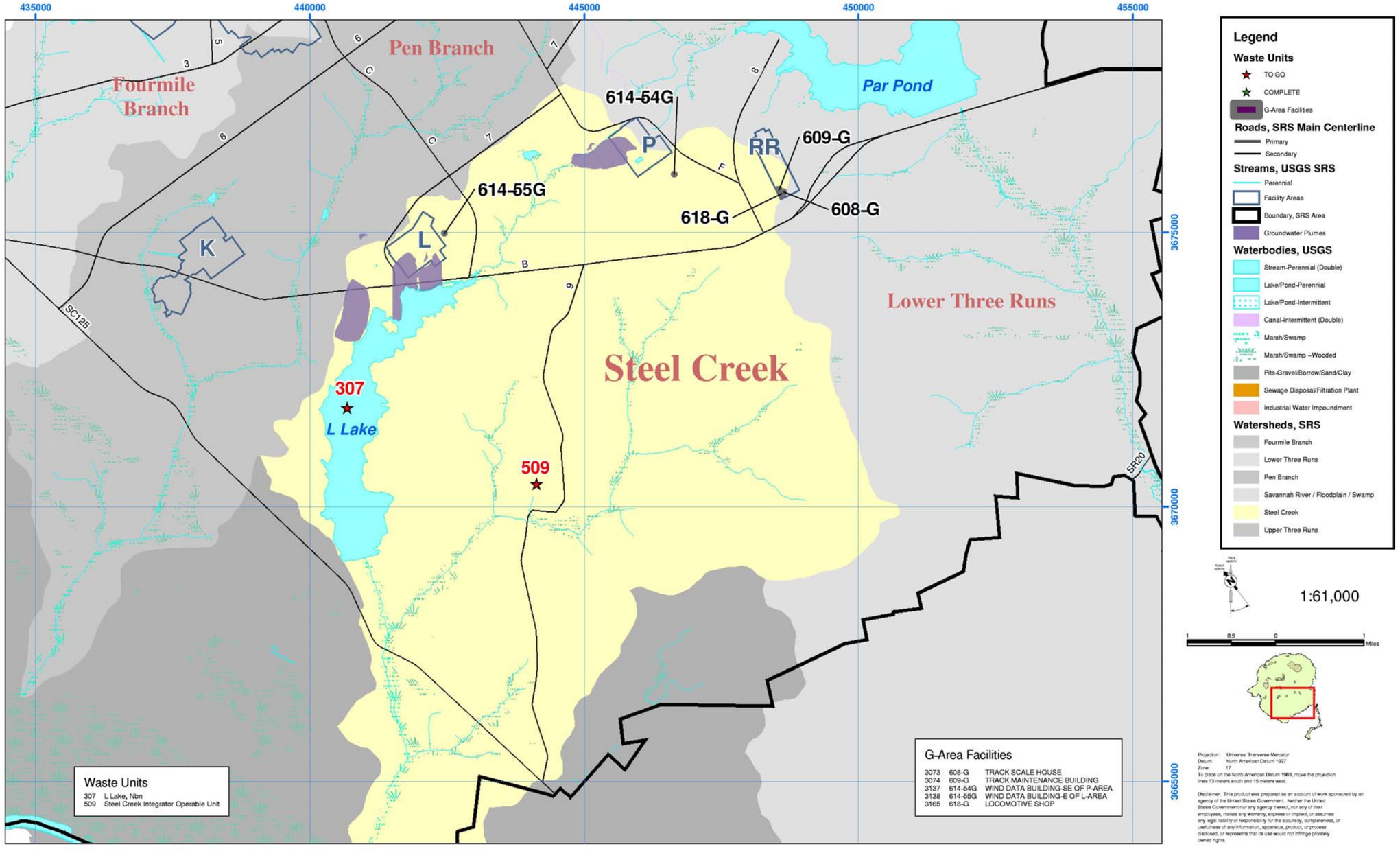


Figure 4.3b Pen Branch Watershed G Area Conceptual Site Model

4.4a –Steel Creek Watershed Map



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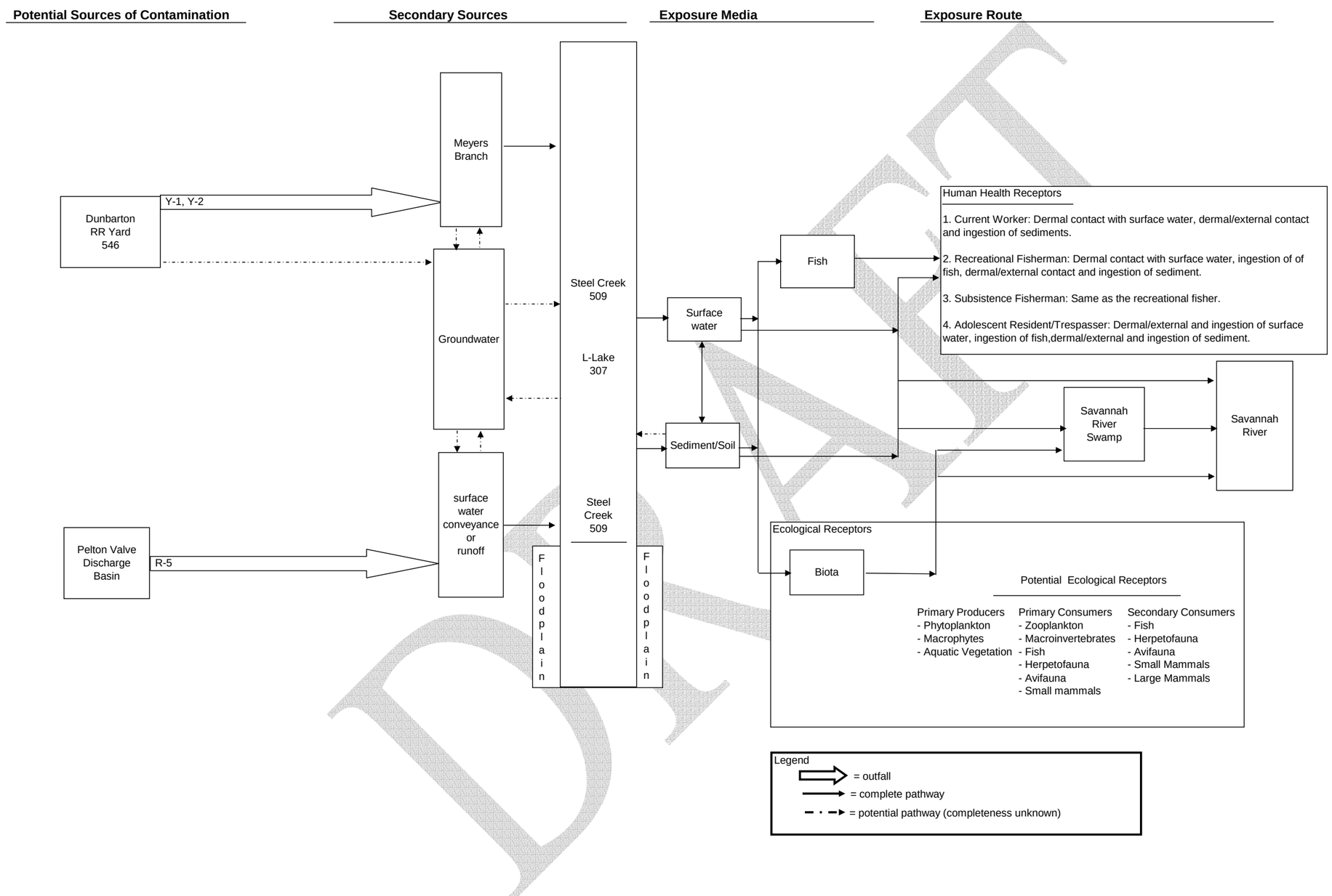
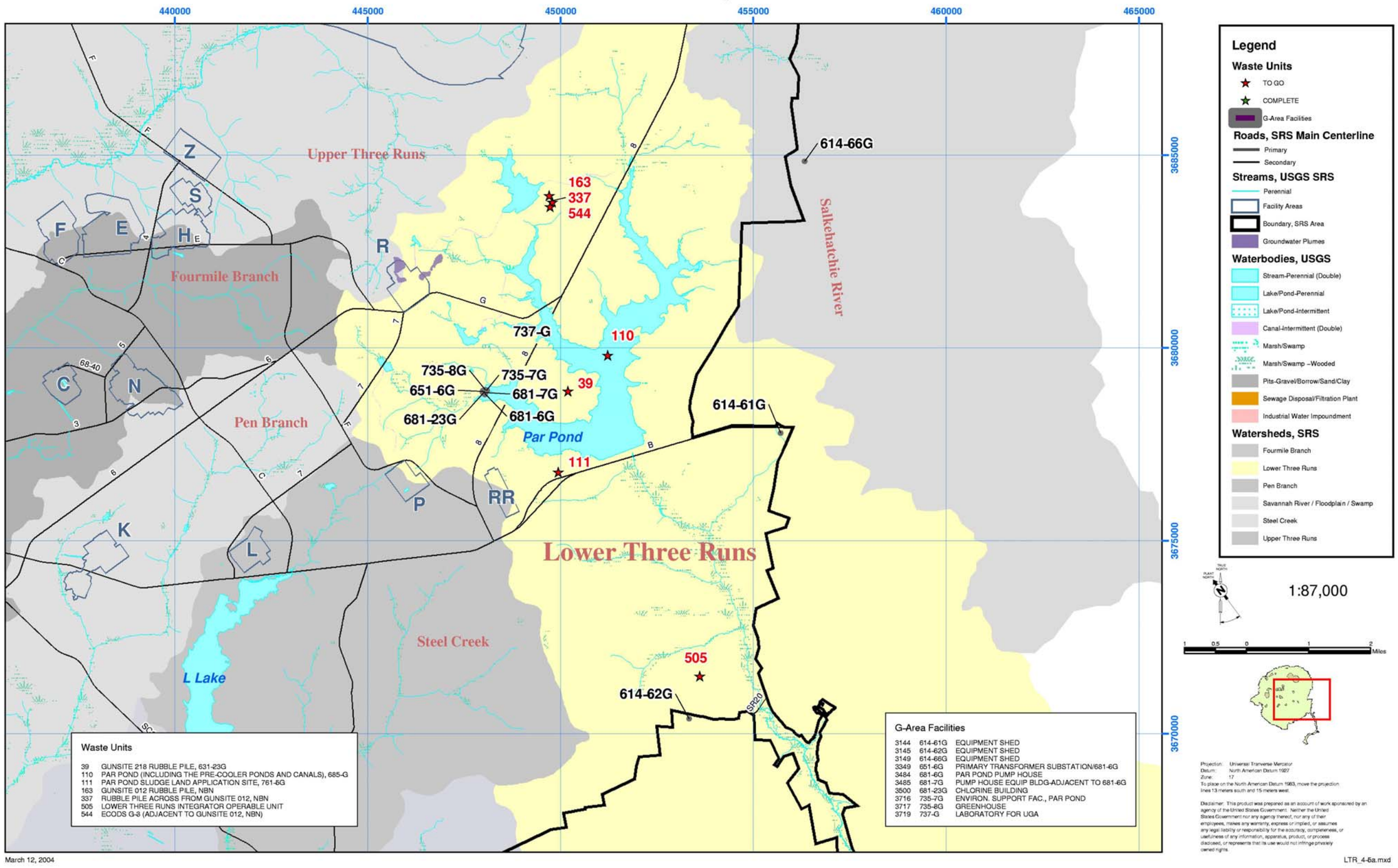


Figure 4.4b. Steel Creek Watershed/IOU G Area Conceptual Site Model

4.5a –Lower Three Runs Watershed Map



Savannah River Site

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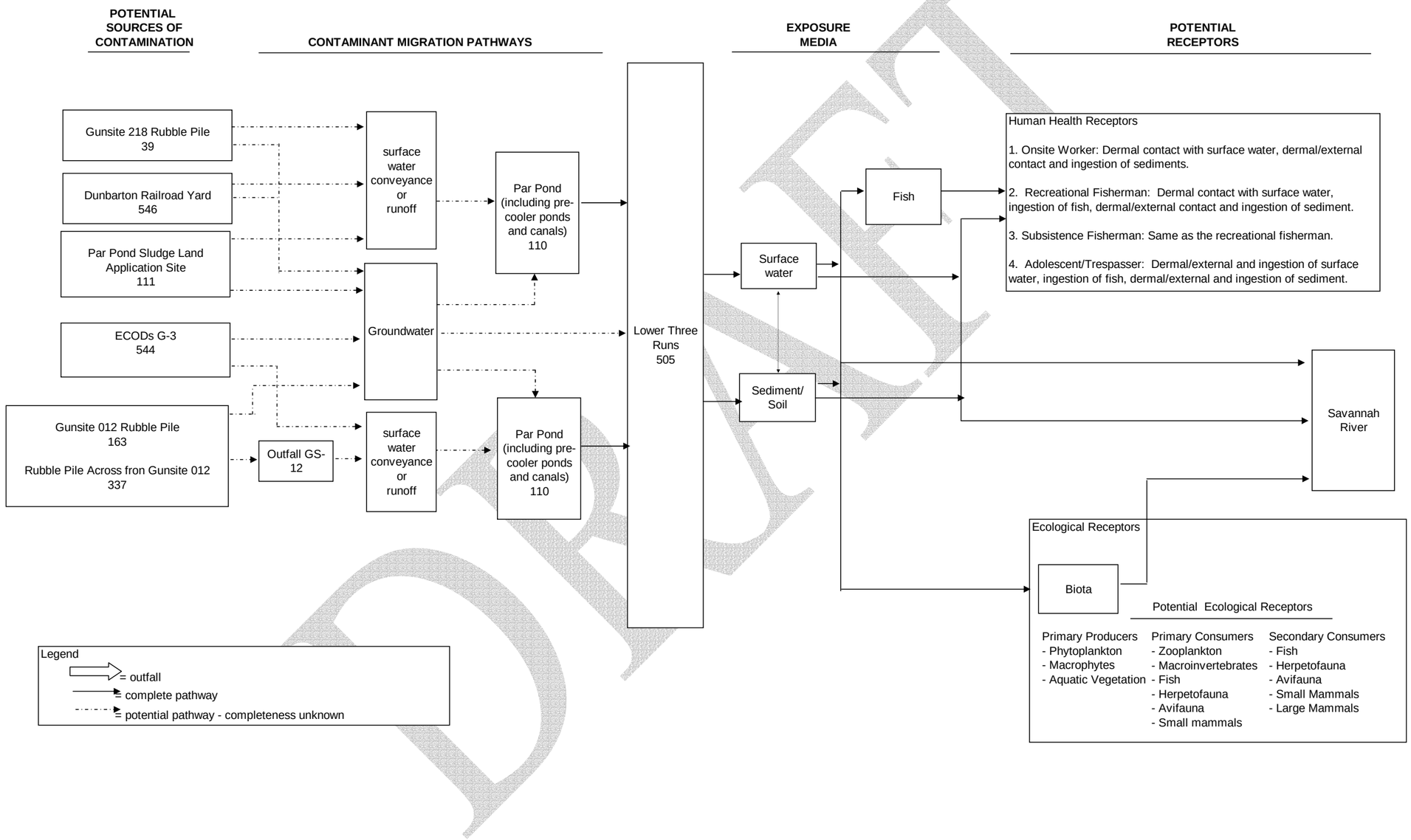
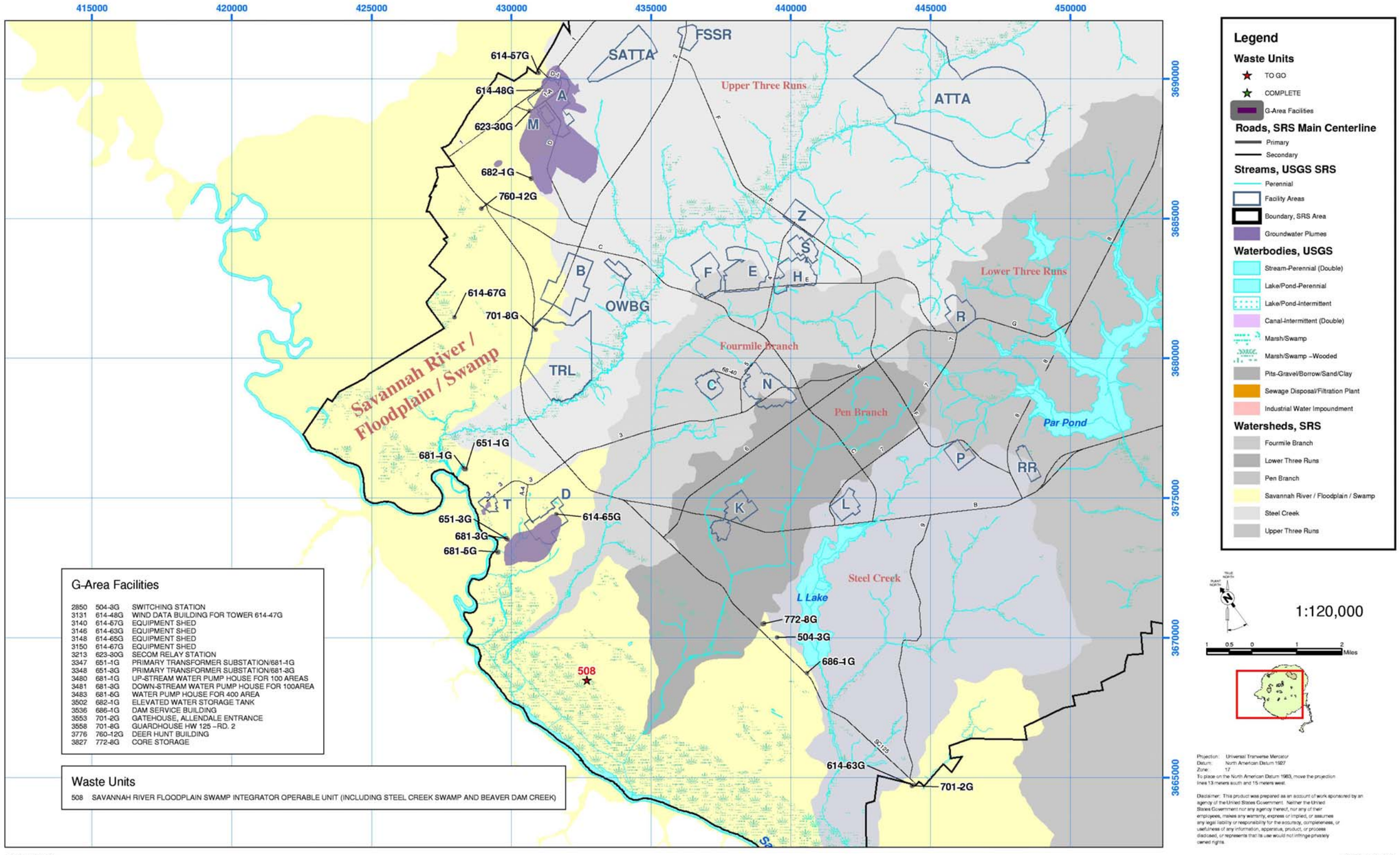


Figure 4.5b Lower Three Runs Watershed G Area Conceptual Site Model

4.6a –Savannah River/Floodplain/Swamp Watershed Map



G-Area Facilities

2850	504-3G	SWITCHING STATION
3131	614-48G	WIND DATA BUILDING FOR TOWER 614-47G
3140	614-57G	EQUIPMENT SHED
3146	614-63G	EQUIPMENT SHED
3148	614-65G	EQUIPMENT SHED
3150	614-67G	EQUIPMENT SHED
3213	623-30G	SECOM RELAY STATION
3347	651-1G	PRIMARY TRANSFORMER SUBSTATION/681-1G
3348	651-3G	PRIMARY TRANSFORMER SUBSTATION/681-3G
3480	681-1G	UP-STREAM WATER PUMP HOUSE FOR 100 AREAS
3481	681-3G	DOWN-STREAM WATER PUMP HOUSE FOR 100AREA
3483	681-5G	WATER PUMP HOUSE FOR 400 AREA
3502	682-1G	ELEVATED WATER STORAGE TANK
3536	686-1G	DAM SERVICE BUILDING
3553	701-2G	GATEHOUSE, ALLENDALE ENTRANCE
3558	701-8G	GUARDHOUSE HW 125 –RD. 2
3776	760-12G	DEER HUNT BUILDING
3827	772-8G	CORE STORAGE

Waste Units

508 SAVANNAH RIVER FLOODPLAIN SWAMP INTEGRATOR OPERABLE UNIT (INCLUDING STEEL CREEK SWAMP AND BEAVER DAM CREEK)

Savannah River Site

Legend

Waste Units
- TO GO
- COMPLETE
- G-Area Facilities

Roads, SRS Main Centerline
- Primary
- Secondary

Streams, USGS SRS
- Perennial
- Facility Areas
- Boundary, SRS Area
- Groundwater Plumes

Waterbodies, USGS
- Stream-Perennial (Double)
- Lake/Pond-Perennial
- Lake/Pond-Intermittent
- Canal-Intermittent (Double)
- Marsh/Swamp
- Marsh/Swamp –Wooded
- Pits-Gravel/Borrow/Sand/Clay
- Sewage Disposal/Filtration Plant
- Industrial Water Impoundment

Watersheds, SRS
- Fourmile Branch
- Lower Three Runs
- Pen Branch
- Savannah River / Floodplain / Swamp
- Steel Creek
- Upper Three Runs

1:120,000

1 0.5 0 1 2 Miles

Projection: Universal Transverse Mercator
Datum: North American Datum 1927
Zone: 17
To place on the North American Datum 1983, move the projection lines 13 meters south and 15 meters west.

March 12, 2004

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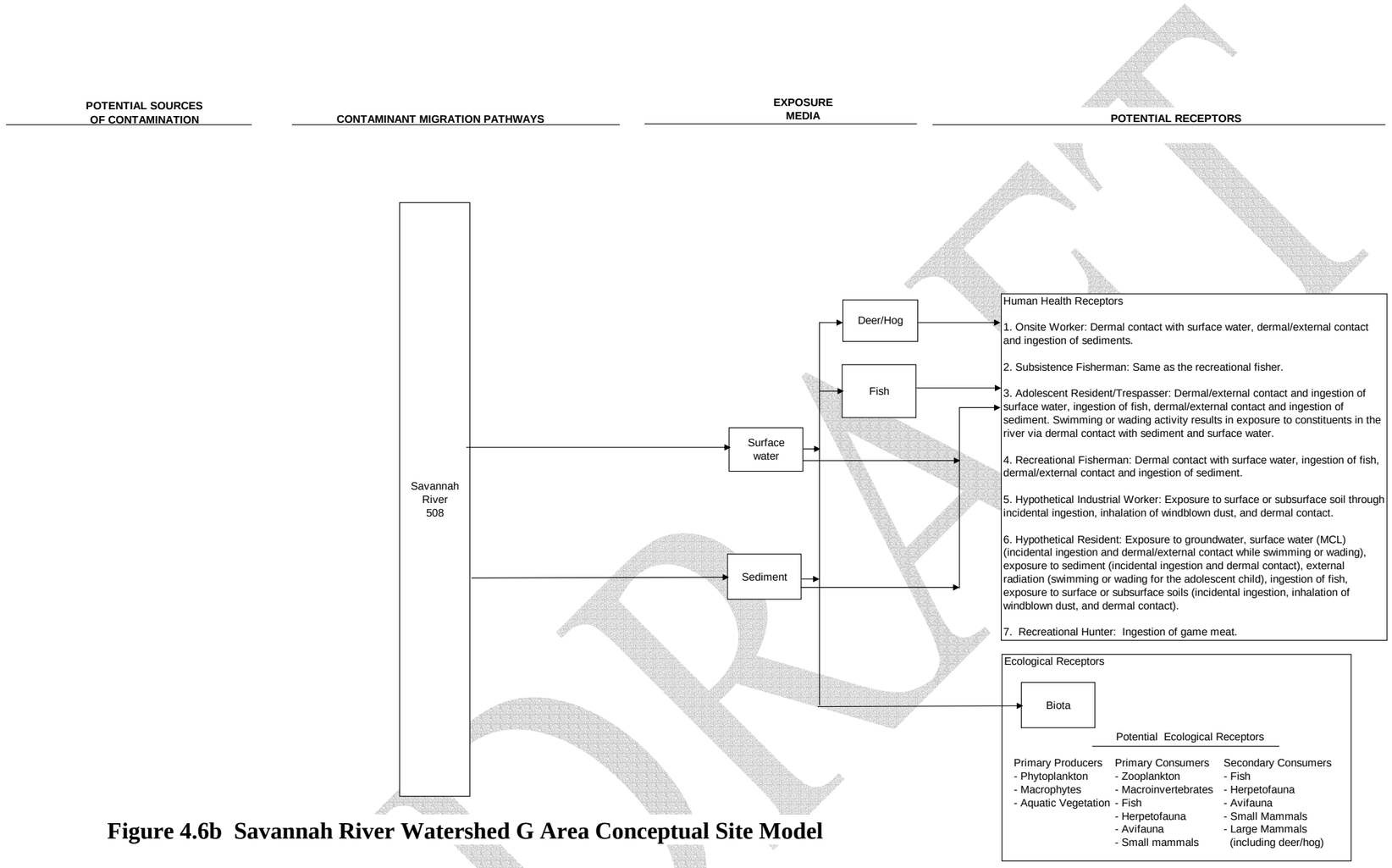

Figure 4.6b Savannah River Watershed G Area Conceptual Site Model

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Table 4.1a
RBES Planned End State for Waste Units in Watersheds (G-Area Only)

Unit Index #	Unit Name	Watershed	Facility Area	FY03 Estimated Risk	Status	Institutional Controls in Place	Waste Unit Group (Hazard Type)	Soil Remedial Action	Groundwater Remedial Action (NA)
SRS unique identification waste unit number	Unit Name with facility or building number (NBN = no building number).	One of six SRS Watersheds where the unit resides.	Specific SRS geographic area unit resides.	Relative level of risk to a receptor from the unit, with $<10^{-6}$ being the lowest level and $>>10^{-4}$ being the greatest.	Status of unit in the regulatory cleanup process.	Units checked have SRS controls in place to restrict inappropriate uses of land or facilities when contaminants remain at the unit.	One of 11 generic hazard types used to categorize all SRS waste units. (Definitions in Appendix D.)	Remedial action in place for soils media. (Alpha numerics correspond to actions defined in Appendix D; check mark denotes remedial action as yet to be determined.)	Remedial action in place for groundwater media. (Alpha numerics correspond to actions defined in Appendix D; check mark denotes remedial action as yet to be determined.)
154	ABANDONED DRUMS AT STEAM LINE ROAD	Fourmile Branch	G	< 10-6	Complete		5	A.1	
175	OLD STILL SITE, NBN	Fourmile Branch	G	< 10-6	Complete		5	A.1	
125	ROAD A CHEMICAL BASIN, 904-111G	Fourmile Branch	G	< 10-6	Complete		6	A.1	
504	FOURMILE BRANCH INTEGRATOR OPERABLE UNIT (INCLUDING THE UN-NAMED TRIBUTARY OF FOURMILE BRANCH SOUTH OF C AREA	Fourmile Branch	G	> 10-4	In Assessment Phase		11		√
173	MISCELLANEOUS TRASH AT SNAPP, NBN	Lower Three Runs	G	< 10-6	Complete		5	A.1	
177	POND B DAM RUBBLE PILE, NBN	Lower Three Runs	G	< 10-6	Complete		5	A.1	
321	PATTERSON MILL ROAD RUBBLE PILE, NBN	Lower Three Runs	G	< 10-6	Complete		5	A.1	
455	STADIA LIGHTS WITH POLES, NBN	Lower Three Runs	G	< 10-6	Complete		5	A.1	
152	SECOND PAR POND SITE, 761-8G	Lower Three Runs	G	< 10-6	Complete		9	A.1	
39	GUNSITE 218 RUBBLE PILE, 631-23G	Lower Three Runs	G	10-4 to 10-6	In Assessment Phase		5	√	
163	GUNSITE 012 RUBBLE PILE, NBN	Lower Three Runs	G	10-4 to 10-6	In Assessment Phase		5	√	
337	RUBBLE PILE ACROSS FROM GUNSITE 012, NBN	Lower Three Runs	G	10-4 to 10-6	In Assessment Phase		5	√	
544	ECODS G-3 (ADJACENT TO GUNSITE 012, NBN)	Lower Three Runs	G	10-4 to 10-6	In Assessment Phase		5	√	
111	PAR POND SLUDGE LAND APPLICATION SITE, 761-5G	Lower Three Runs	G	10-4 to 10-6	In Assessment Phase		7	√	
505	LOWER THREE RUNS INTEGRATOR OPERABLE UNIT	Lower Three Runs	G	> 10-4	In Assessment Phase		11	√	
110	PAR POND (INCLUDING THE PRE-COOLER PONDS AND CANALS), 685-G	Lower Three Runs	G	> 10-4	In Remediation		9	√	
291	GUNSITE 051 RUBBLE PILE, 080-29G	Pen Branch	G	< 10-6	Complete		5	A.1	
153	40 - ACRE HARDWOOD SITE, 761-0G	Pen Branch	G	< 10-6	Complete		9	A.1	
506	PEN BRANCH INTEGRATOR OPERABLE UNIT (INCLUDING INDIAN GRAVE BRANCH)	Pen Branch	G	> 10-4	In Assessment Phase		11		√

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Table 4.1a
RBES Planned End State for Waste Units in Watersheds (G-Area Only)

Unit Index #	Unit Name	Watershed	Facility Area	FY03 Estimated Risk	Status	Institutional Controls in Place	Waste Unit Group (Hazard Type)	Soil Remedial Action	Groundwater Remedial Action (NA)
SRS unique identification waste unit number	Unit Name with facility or building number (NBN = no building number).	One of six SRS Watersheds where the unit resides.	Specific SRS geographic area unit resides.	Relative level of risk to a receptor from the unit, with $<10^{-6}$ being the lowest level and $>>10^{-4}$ being the greatest.	Status of unit in the regulatory cleanup process.	Units checked have SRS controls in place to restrict inappropriate uses of land or facilities when contaminants remain at the unit.	One of 11 generic hazard types used to categorize all SRS waste units. (Definitions in Appendix D.)	Remedial action in place for soils media. (Alpha numerics correspond to actions defined in Appendix D; check mark denotes remedial action as yet to be determined.)	Remedial action in place for groundwater media. (Alpha numerics correspond to actions defined in Appendix D; check mark denotes remedial action as yet to be determined.)
61	CMP PITS, 080-170G	Pen Branch	G	> 10-4	In Remediation		5	√	√
62	CMP PITS, 080-171G	Pen Branch	G	> 10-4	In Remediation		5	√	√
63	CMP PITS, 080-180G	Pen Branch	G	> 10-4	In Remediation		5	√	√
64	CMP PITS, 080-181G	Pen Branch	G	> 10-4	In Remediation		5	√	√
65	CMP PITS, 080-182G	Pen Branch	G	> 10-4	In Remediation		5	√	√
66	CMP PITS, 080-183G	Pen Branch	G	> 10-4	In Remediation		5	√	√
67	CMP PITS, 080-190G	Pen Branch	G	> 10-4	In Remediation		5	√	√
174	OLD ELLENTON RUBBLE PILE, NBN	Savannah River / Floodplain / Swamp	G	< 10-6	Complete		5	A.1	
336	ROBBINS STATION ROAD RUBBLE PILE, NBN	Savannah River / Floodplain / Swamp	G	< 10-6	Complete		5	A.1	
160	D-F STEAMLINE EROSION CONTROL SITE, NBN	Savannah River / Floodplain / Swamp	G	< 10-6	Complete		9	A.1	
226	SPILL ON 03/08/88 OF <1 QT OF 64% NITRIC ACID AT BRCD. 1, NBN	Savannah River / Floodplain / Swamp	G	< 10-6	Complete		9	A.1	
235	3G PUMPHOUSE EROSION CONTROL SITE, 631-8G	Savannah River / Floodplain / Swamp	G	< 10-6	Complete		9	A.1	
320	PARKING LOT TYPE LIGHTS ON WILSON ROAD, NBN	Savannah River / Floodplain / Swamp	G	< 10-6	Complete		9	A.1	
430	SPILL ON 05/27/86 OF 2 GAL OF NITRIC ACID, NBN	Savannah River / Floodplain / Swamp	G	< 10-6	Complete		9	A.1	
508	SAVANNAH RIVER FLOODPLAIN SWAMP INTEGRATOR OPERABLE UNIT (INCLUDING STEEL CREEK SWAMP AND BEAVER DAM CREEK)	Savannah River / Floodplain / Swamp	G	> 10-4	In Assessment Phase		11		√
171	MEYERS MILL SIDING RUBBLE PILE, NBN	Steel Creek	G	< 10-6	Complete		5	A.1	
172	MISCELLANEOUS RUBBLE AT DUNBARTON, NBN	Steel Creek	G	< 10-6	Complete		5	A.1	
192	SCRAP METAL PILE, 631-18G	Steel Creek	G	< 10-6	Complete		5	A.1	
334	ROAD 9 AT GATE 23 RUBBLE PILE, NBN	Steel Creek	G	< 10-6	Complete		5	A.1	

Table 4.1a
RBES Planned End State for Waste Units in Watersheds (G-Area Only)

Unit Index #	Unit Name	Watershed	Facility Area	FY03 Estimated Risk	Status	Institutional Controls in Place	Waste Unit Group (Hazard Type)	Soil Remedial Action	Groundwater Remedial Action (NA)
SRS unique identification waste unit number	Unit Name with facility or building number (NBN = no building number).	One of six SRS Watersheds where the unit resides.	Specific SRS geographic area unit resides.	Relative level of risk to a receptor from the unit, with $<10^{-6}$ being the lowest level and $>>10^{-4}$ being the greatest.	Status of unit in the regulatory cleanup process.	Units checked have SRS controls in place to restrict inappropriate uses of land or facilities when contaminants remain at the unit.	One of 11 generic hazard types used to categorize all SRS waste units. (Definitions in Appendix D.)	Remedial action in place for soils media. (Alpha numerics correspond to actions defined in Appendix D; check mark denotes remedial action as yet to be determined.)	Remedial action in place for groundwater media. (Alpha numerics correspond to actions defined in Appendix D; check mark denotes remedial action as yet to be determined.)
335	ROAD 9 RUBBLE PILE, NBN	Steel Creek	G	< 10-6	Complete		5	A.1	
518	GUN EMPLACEMENT 407A & 407B RUBBLE PILE, NBN	Steel Creek	G	< 10-6	Complete		5	A.1	
546	DUNBARTON RAILROAD YARD, NBN	Steel Creek	G	10-4 to 10-6	In Assessment Phase		5	√	
307	L LAKE, NBN	Steel Creek	G	> 10-4	In Assessment Phase	√	9		√
509	STEEL CREEK INTEGRATOR OPERABLE UNIT	Steel Creek	G	> 10-4	In Assessment Phase		11		√
40	GUNSITE 720 RUBBLE PIT, 631-16G	Upper Three Runs	G	< 10-6	Complete		5	A.1	
164	GUNSITE 102 RUBBLE PILE, 080-30G	Upper Three Runs	G	< 10-6	Complete		5	A.1	
165	GUNSITE 113 RUBBLE PILE, 631-15G	Upper Three Runs	G	< 10-6	Complete		5	A.1	
180	RECREATION AREA #002 RUBBLE PILE, NBN	Upper Three Runs	G	< 10-6	Complete		5	A.1	
182	RUBBLE PILE - BRAGG BAY ROAD, 631-14G	Upper Three Runs	G	< 10-6	Complete		5	A.1	
183	RUBBLE PILE - BRAGG BAY ROAD AND CEMETERY ROAD, 631-12G	Upper Three Runs	G	< 10-6	Complete		5	A.1	
184	RUBBLE PILE - CEMETERY ROAD, 631-11G	Upper Three Runs	G	< 10-6	Complete		5	A.1	
185	RUBBLE PILE - ROAD 781.1, 631-13G	Upper Three Runs	G	< 10-6	Complete		5	A.1	
186	RUBBLE PILE NEAR JUNCTION US 278 & GE ROAD 103, NBN	Upper Three Runs	G	< 10-6	Complete		5	A.1	
202	SREL RUBBLE PILE, 761-9G	Upper Three Runs	G	< 10-6	Complete		5	A.1	
203	SRFS RUBBLE PILE, 631-9G	Upper Three Runs	G	< 10-6	Complete		5	A.1	
213	GUNSITE 072 RUBBLE PILE, 080-31G	Upper Three Runs	G	< 10-6	Complete		5	A.1	
216	RISHER ROAD OPEN METAL PIT, 631-17G	Upper Three Runs	G	< 10-6	Complete		5	A.1	
217	RISHER ROAD RUBBLE PILE, NBN	Upper Three Runs	G	< 10-6	Complete		5	A.1	
218	RISHER ROAD RUBBLE PILE #2, NBN	Upper Three Runs	G	< 10-6	Complete		5	A.1	

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Table 4.1a
RBES Planned End State for Waste Units in Watersheds (G-Area Only)

Unit Index #	Unit Name	Watershed	Facility Area	FY03 Estimated Risk	Status	Institutional Controls in Place	Waste Unit Group (Hazard Type)	Soil Remedial Action	Groundwater Remedial Action (NA)
SRS unique identification waste unit number	Unit Name with facility or building number (NBN = no building number).	One of six SRS Watersheds where the unit resides.	Specific SRS geographic area unit resides.	Relative level of risk to a receptor from the unit, with $<10^{-6}$ being the lowest level and $>>10^{-4}$ being the greatest.	Status of unit in the regulatory cleanup process.	Units checked have SRS controls in place to restrict inappropriate uses of land or facilities when contaminants remain at the unit.	One of 11 generic hazard types used to categorize all SRS waste units. (Definitions in Appendix D.)	Remedial action in place for soils media. (Alpha numerics correspond to actions defined in Appendix D; check mark denotes remedial action as yet to be determined.)	Remedial action in place for groundwater media. (Alpha numerics correspond to actions defined in Appendix D; check mark denotes remedial action as yet to be determined.)
333	ROAD 3 FOUNDATION RUBBLE PILE, NBN	Upper Three Runs	G	< 10-6	Complete		5	A.1	
541	ECODS G-1 (ADJACENT TO GUNSITE 072 RUBBLE PILE, 080-31G)	Upper Three Runs	G	< 10-6	Complete		5	A.2, A.3, A.7	
542	ECODS G-2 (ADJACENT TO FORESTRY FACILITIES)	Upper Three Runs	G	< 10-6	Complete		5	A.1	
140	WEST OF SREL "GEORGIA FIELDS" SITE, 631-19G	Upper Three Runs	G	< 10-6	Complete		9	A.1	
150	LUCY SITE, 761-3G	Upper Three Runs	G	< 10-6	Complete		9	A.1	
181	ROAD F SITE, 761-7G	Upper Three Runs	G	< 10-6	Complete		9	A.1	
205	INCIDENT AT THREE RIVERS SANITARY LANDFILL, NBN	Upper Three Runs	G	< 10-6	Complete		9	A.1	
463	SUBSTATION 51 EROSION CONTROL SITE, 080-27G	Upper Three Runs	G	< 10-6	Complete		9	A.1	
38	GUNSITE 113 ACCESS ROAD, 631-24G	Upper Three Runs	G	< 10-6	Complete		5	A.1	
456	STEED POND, NBN	Upper Three Runs	G	> 10-4	In Assessment Phase		2	√	
208	ADVANCED TACTICAL TRAINING AREA (ATTA) FIRING RANGES, NBN	Upper Three Runs	G	10-4 to 10-6	In Assessment Phase		9	√	
510	UPPER THREE RUNS INTEGRATOR OPERABLE UNIT (INCLUDING TIMS BRANCH)	Upper Three Runs	G	> 10-4	In Assessment Phase		11		√

Table 4.1b
EM Integrated Deactivation and Decommissioning Plan (G Area Only)

		Hazard		Status	Current Risk	
Unit No	Bldg No	Name	Facility Area		Conceptual Site Model Hazard	Decommissioning Alternative
1434	504-1G	SWITCHING STATION	G	Other	Other Industrial	Demolish
1435	504-2G	SWITCHING STATION	G	Other	Other Industrial	Demolish
1436	504-3G	SWITCHING STATION	G	Other	Other Industrial	Demolish
1470	607-59G	CHEM FEED BLDG WSTWTR TRTMNT EQPM	G	Other	Other Industrial	Demolish
1471	607-62G	INFLUENT HEADWRKS FOR WASTEWATER TREATMENT EQPMN	G	Other	Other Industrial	Demolish
1472	607-63G	EQUALIZATION BASIN WSTWTR TRTMNT EQPM	G	Other	Other Industrial	ISD/IC/LTS
1473	607-64G	EQUALIZATION BASIN WSTWTR TRTMNT EQPM	G	Other	Other Industrial	ISD/IC/LTS
1474	607-65G	PUMP STA 4000B WSTWTR TRTMNT FAC	G	Other	Other Industrial	ISD/IC/LTS
1475	607-66G	PUMP STA 4000C WSTWTR TRTMNT FAC	G	Other	Other Industrial	ISD/IC/LTS
1476	607-67G	PUMP STA5000A WSTWTR TRTMNT FAC	G	Other	Other Industrial	ISD/IC/LTS
1477	607-68G	PUMP STA 6000A WSTWTR TRTMNT FAC	G	Other	Other Industrial	ISD/IC/LTS
1478	607-70G	OXIDATN DITCH & CLAR #1 WSTWTR TRTMNT EQPM	G	Other	Other Industrial	ISD/IC/LTS
1479	607-71G	OXIDATN DITCH CLAR#2 WSTWTR TREATMNT EQPM	G	Other	Other Industrial	ISD/IC/LTS
1480	607-72G	OXIDATN DITCH & CLAR #3 WASTWTR TRTMNT EQP	G	Other	Other Industrial	ISD/IC/LTS
1481	607-74G	UV DISINFCTN BSN CASCDE UNIT WSTWTR TRTMNT	G	Other	Other Industrial	ISD/IC/LTS
1482	607-75G	SLUDGE THICKENER WSTWTR TRTMNT EQP	G	Other	Other Industrial	Demolish
1484	607-85G	PUMP STATION 2000B WSTWTR TRTMNT FAC	G	Other	Other Industrial	ISD/IC/LTS
1485	607-86G	PUMP STN 3000A WASTEWATER TREATMENT FACL	G	Other	Other Industrial	ISD/IC/LTS
1486	607-87G	PUMP STN 4000A WASTEWATER TREATMENT FACL	G	Other	Chemical - Low Hazard	ISD/IC/LTS
1487	607-88G	CSWTF MAINTENANCE BUILDING	G	Other	Other Industrial	Demolish
1488	607-91G	SANITARY SEWAGE PUMP STATION	G	Other	Never Contaminated	ISD/IC/LTS
1491	608-G	TRACK SCALE HOUSE	G	Other	Never Contaminated	Demolish
1492	609-G	TRACK MAINTENANCE BUILDING	G	Other	Never Contaminated	Demolish

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Table 4.1b
EM Integrated Deactivation and Decommissioning Plan (G Area Only)

		Hazard		Status	Current Risk	
Unit No	Bldg No	Name	Facility Area		Conceptual Site Model Hazard	Decommissioning Alternative
1497	614-48G	WIND DATA BUILDING-N OF A-AREA	G	Other	Never Contaminated	Demolish
1498	614-50G	WIND DATA BUILDING-N-NW OF H-AREA	G	Other	Never Contaminated	Demolish
1499	614-51G	WIND DATA BUILDING-E-SE OF F-AREA	G	Other	Never Contaminated	Demolish
1500	614-52G	WIND DATA BUILDING-S-SE OF C-AREA	G	Other	Never Contaminated	Demolish
1501	614-53G	WIND DATA BUILDING-E-SE OF K-AREA	G	Other	Never Contaminated	Demolish
1502	614-54G	WIND DATA BUILDING-SE OF P-AREA	G	Other	Never Contaminated	Demolish
1503	614-55G	WIND DATA BUILDING-E OF L-AREA	G	Other	Never Contaminated	Demolish
1504	614-56G	EQUIPMENT SHED	G	Other	Never Contaminated	Demolish
1505	614-57G	EQUIPMENT SHED	G	Other	Never Contaminated	Demolish
1506	614-58G	EQUIPMENT SHED	G	Other	Never Contaminated	Demolish
1507	614-59G	EQUIPMENT SHED	G	Other	Never Contaminated	Demolish
1508	614-60G	EQUIPMENT SHED	G	Other	Never Contaminated	Demolish
1509	614-61G	EQUIPMENT SHED	G	Other	Never Contaminated	Demolish
1510	614-62G	EQUIPMENT SHED	G	Other	Never Contaminated	Demolish
1511	614-63G	EQUIPMENT SHED	G	Other	Never Contaminated	Demolish
1512	614-65G	EQUIPMENT SHED	G	Other	Never Contaminated	Demolish
1513	614-66G	EQUIPMENT SHED	G	Other	Never Contaminated	Demolish
1514	614-67G	EQUIPMENT SHED	G	Other	Never Contaminated	Demolish
1515	617-G	SECURITY CLASS ROOM	G	Other	Other Industrial	Demolish
1516	618-G	LOCOMOTIVE SHOP	G	Other	Other Industrial	Demolish
1518	623-30G	COMMUNICATIONS FACILITY	G	Other	Never Contaminated	Demolish
1519	623-40G	RADIO TRUNKING TOWER	G	Other	Never Contaminated	Demolish
1531	647-G	WAREHOUSE	G	Other	Other Industrial	Demolish
1532	651-1G	PRIMARY TRANSFORMER SUBSTATION/681-1G	G	Other	Other Industrial	Demolish

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Table 4.1b
EM Integrated Deactivation and Decommissioning Plan (G Area Only)

		Hazard		Status	Current Risk	
Unit No	Bldg No	Name	Facility Area		Conceptual Site Model Hazard	Decommissioning Alternative
1533	651-3G	PRIMARY TRANSFORMER SUBSTATION/681-3G	G	Other	Other Industrial	Demolish
1534	651-6G	PRIMARY TRANSFORMER SUBSTATION/681-6G	G	Other	Other Industrial	Demolish
1537	652-53G	EMERG TRNS WSTEWTR TRTMT EQUIP (WAS 654001G	G	Other	Never Contaminated	Demolish
1548	661-2G	FIRING SHED	G	Other	Never Contaminated	Demolish
1550	661-G	PATROL TRAINING BLDG-RIFLE & PISTOL RANGE	G	Other	Other Industrial	Demolish
1565	681-1G	UP-STREAM WATER PUMP HOUSE FOR 100 AREAS	G	Other	Other Industrial	Demolish
1566	681-23G	CHLORINE BUILDING	G	Other	Other Industrial	Demolish
1567	681-3G	DOWN-STREAM WATER PUMP HOUSE FOR 100AREA	G	Other	Other Industrial	Demolish
1568	681-5G	WATER PUMP HOUSE FOR 400 AREA	G	Other	Other Industrial	Demolish
1569	681-6G	PAR POND PUMP HOUSE	G	Other	Other Industrial	Demolish
1570	681-7G	PUMP HOUSE EQUIP BLDG-ADJACENT TO 681-6G	G	Other	Other Industrial	Demolish
1571	681-G	WELLHSE & HYDROPNEUMATIC TANK WASTWTR TREATMNT E	G	Other	Never Contaminated	Demolish
1572	682-1G	ELEVATED WATER STORAGE TANK	G	Other	Never Contaminated	Demolish
1573	682-G	ELEVATED WATER STORAGE TANK	G	Other	Other Industrial	Demolish
1576	686-1G	DAM SERVICE BUILDING	G	Other	Never Contaminated	Demolish
1582	701-12G	GUARDHOUSE HW 125 - RD. 3	G	Other	Never Contaminated	Demolish
1584	701-13G	GUARDHOUSE HW 125 - RD. 6	G	Other	Never Contaminated	Demolish
1586	701-18G	GUARDHOUSE AT RD 1 AND D-1 (PECAN GATE)	G	Other	Never Contaminated	Demolish
1602	701-2G	GATEHOUSE, ALLENDALE ENTRANCE	G	Other	Other Industrial	Demolish
1609	701-4G	GATEHOUSE, WILLISTON ENTRANCE	G	Other	Never Contaminated	Demolish
1611	701-8G	GUARDHOUSE HW 125 - RD. 2	G	Other	Never Contaminated	Demolish
1645	704-16G	ADMIN BUILDING FOR WASTEWATER TREATMENT EQUIPMEN	G	Other	Never Contaminated	Demolish
1697	709-1G	100 AREA FIRE STATION	G	Other	Never Contaminated	Demolish
1698	709-7G	FIRE STATION	G	Other	Chemical - Low Hazard	Demolish

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Table 4.1b
EM Integrated Deactivation and Decommissioning Plan (G Area Only)

		Hazard		Status	Current Risk	
Unit No	Bldg No	Name	Facility Area		Conceptual Site Model Hazard	Decommissioning Alternative
1860	735-7G	ENVIRON. SUPPORT FAC., PAR POND	G	Other	Never Contaminated	Demolish
1861	735-8G	GREENHOUSE	G	Other	Other Industrial	Demolish
1885	737-G	LABORATORY FOR UGA	G	Other	Never Contaminated	Demolish
1887	739-G	GREENHOUSE FOR THERMAL EFFECTS LAB.	G	Other	Other Industrial	Demolish
1888	740-10G	INTERIM SANITARY LANDFILL	G	Other	Never Contaminated	Demolish
1907	760-11G	SR ARCHAELOLGICAL HDQTRS.	G	Other	Never Contaminated	Demolish
1908	760-12G	DEER HUNT BUILDING	G	Other	Never Contaminated	Demolish
1909	760-13G	STORAGE BUILDING	G	Other	Never Contaminated	Demolish
1910	760-15G	ADMINISTRATION FACILITY - FOREST SERVICE	G	Other	Never Contaminated	Demolish
1911	760-17G	STORAGE SHELTER	G	Other	Other Industrial	Demolish
1912	760-19G	HEAVY EQUIPMENT STORAGE SHELTER	G	Other	Never Contaminated	Demolish
1913	760-1G	U.S. FOREST SERVICE HEADQUARTERS	G	Other	Never Contaminated	Demolish
1914	760-3G	HUNT ASSY. BLDG.	G	Other	Never Contaminated	Demolish
1915	760-4G	FOREST SERVICE STORAGE BLDG.	G	Other	Never Contaminated	Demolish
1916	760-9G	SR FOREST STATION EQUIP. BLDG.	G	Other	Never Contaminated	Demolish
1917	760-G	U.S. FOREST SERVICE HEADQUARTERS	G	Other	Never Contaminated	Demolish
1924	772-10G	CORE STORAGE	G	Other	Never Contaminated	Demolish
1926	772-1G	ECOLOGY RESEARCH LABORATORY ANNEX	G	Other	Never Contaminated	Demolish
1930	772-7G	STORAGE BUILDING	G	Other	Never Contaminated	Demolish
1931	772-8G	CORE STORAGE	G	Other	Never Contaminated	Demolish
1932	772-9G	CORE STORAGE	G	Other	Chemical - Low Hazard	Demolish
1962	782-12G	TREAT EXTRACTED GROUNDWATER	G	Other	Other Industrial	Demolish
1963	782-1G	FRP SURGE CONTNMNT OF INJECTION WATER TANK	G	Other	Other Industrial	Demolish
1967	782-2G	FRP SURGE CONTNMNT OF EXTRACTED WATER TANK	G	Other	Chemical - Low Hazard	Demolish

Table 4.1b
EM Integrated Deactivation and Decommissioning Plan (G Area Only)

		Hazard		Status	Current Risk	
Unit No	Bldg No	Name	Facility Area		Conceptual Site Model Hazard	Decommissioning Alternative
1969	782-4G	TREAT EXTRACTED GROUNDWATER	G	Other	Other Industrial	Demolish
1970	782-7G	FRP SURGE TANK	G	Other	Other Industrial	Demolish
1971	782-8G	FRP INJECTION TANK	G	Other	Other Industrial	Demolish
1995	904-108G	TREMBLER STATION ON C-ROAD	G	Other	Other Industrial	Demolish
1996	904-109G	TREBLER SAMPLER PIT NO. 4	G	Other	Other Industrial	Demolish
1997	904-47G	TREBLER SAMPLER, #1 FOR 904-41G(ABANDON)	G	Other	Other Industrial	Demolish
1998	904-48G	TREBLER SAMPLER, #2 FOR 904-44G(ABANDON)	G	Other	Other Industrial	Demolish

Table 4.2
RBES Hazard Type Crosswalk for Watershed "TO GO" Units (G Area Only)

Facility Area	Waste Unit Group (Hazard Type)										
Watershed	**1 Burial Ground Complex**	**2 Radiological Seepage Basins and Pits**	**3 Coal Pile Runoff Basins and Ash Basins**	**4 Inactive Process Sewer Lines**	**5 Nonradiological Rubble Piles and Pits**	**6 Nonradiological Seepage Basins**	**7 Sludge Application Sites**	**8 Acid/Caustic Basins**	**9 Miscellaneous Sites**	**10 Groundwater *(Evaluated at Area Hazard)***	**11 Integrator Operable Units**
Fourmile Branch											504
Fourmile Branch											
Fourmile Branch											
Lower Three Runs					39		7		110		505
Lower Three Runs					163						
Lower Three Runs					337						
Lower Three Runs					544						
Pen Branch					61						506
Pen Branch					62						
Pen Branch					63						
Pen Branch					64						
Pen Branch					65						
Pen Branch					66						
Pen Branch					67						
Savannah River/Floodplain											508
Steel Creek					546				307		509
Steel Creek											
Steel Creek											
Upper Three Runs		456							208		510

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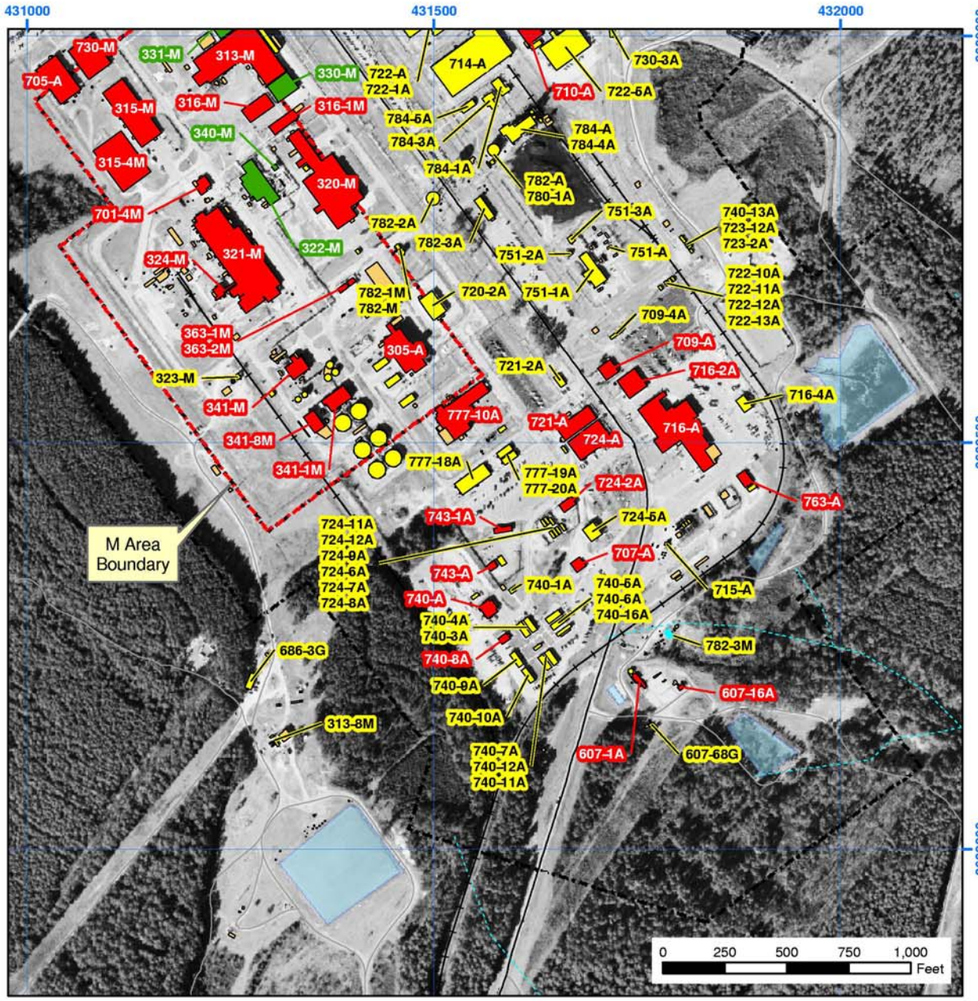
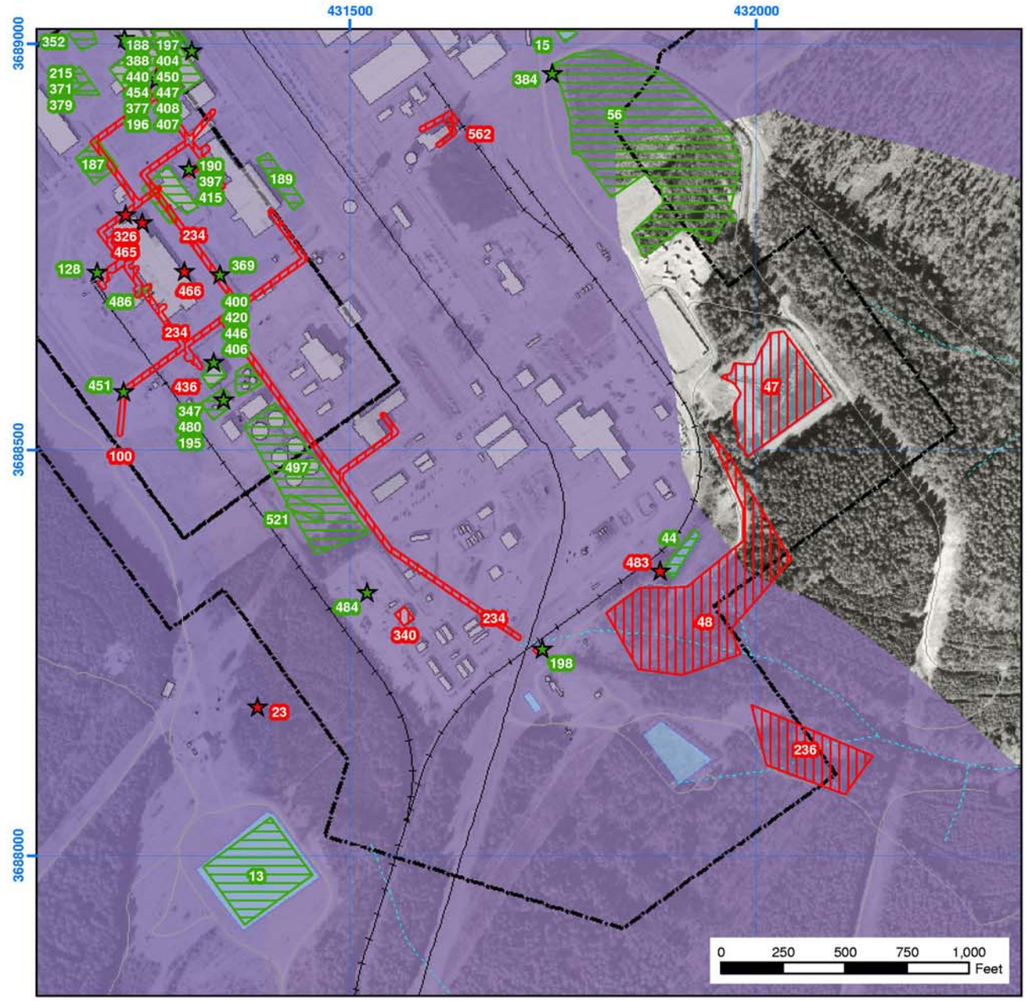
APPENDIX C
AREA MAPS, CONCEPTUAL SITE MODELS AND HAZARD TABLES

	Figures
Figure 4.7a.1	A Area (Lower) Hazard Map
Figure 4.7a.2	A Area (Upper) Hazard Map
Figure 4.7b.1	A-Area CSM for UTR
Figure 4.7b.2	A-Area CSM for SR
Figure 4.8a	B Area Hazard Map
Figure 4.8b.1	B Area CSM *for UTR*
Figure 4.8b.2	B Area CSM for SR and Floodplain Swamp
Figure 4.9a	C Area Hazard Map
Figure 4.9b	C Area CSM for FMB
Figure 4.10a	D Area Hazard Map
Figure 4.10b	D Area CSM for SR and Floodplain Swamp
Figure 4.11a	E Area Hazard Map
Figure 4.11b	E Area CSM for FMB
Figure 4.12a	F Area Hazard Map
Figure 4.12b.1	F Area CSM for FMB
Figure 4.12b.2	F Area CSM for UTR
Figure 4.13a	H Area Hazard Map
Figure 4.13b.1	H Area CSM for FMB
Figure 4.13b.2	H Area CSM for UTR
Figure 4.14a	K Area Hazard Map
Figure 4.14b	K Area CSM for PB
Figure 4.15a	L Area Hazard Map
Figure 4.15b.1	L Area CSM for PB
Figure 4.15b.2	L Area CSM for SC
Figure 4.16a	M-Area Hazard Map
Figure 4.16b.1	M-Area CSM for UTR
Figure 4.16b.2	M-Area CSM for SR
Figure 4.17a	N Area Hazard Map
Figure 4.17b.1	N Area CSM for FMB
Figure 4.17b.2	N Area CSM for PB
Figure 4.18a	P Area Hazard Map
Figure 4.18b.1	P Area CSM for LTR
Figure 4.18b.2	P Area CSM for SC
Figure 4.19a	R Area Hazard Map
Figure 4.19b.1	R Area CSM for LTR
Figure 4.19b.2	R Area CSM for UTR
Figure 4.20a	S Area Hazard Map
Figure 4.20b	S Area CSM for UTR
Figure 4.21a	T Area Hazard Map
Figure 4.21b	T Area CSM for SR and Floodplain Swamp
	Tables
Table 4.3a	RBES Planned End State by Area
Table 4.3b	EM Integrated Deactivation and Decommissioning Plan
Table 4.4	RBES Hazard Type Crosswalk for Area “To Go” Units

Upper Three Runs & Savannah River Flood Plain / Swamp Watersheds **4.7a.1 –A Area (Lower) Hazard Map** **Savannah River Site**





EM Facilities 1:6,000

Roads, SRS GPS Centerline
Primary
Secondary
Tertiary
Railroad Centerline, USGS 1:24000

Streams, USGS SRS
Intermittent
Perennial

Waterbodies, USGS
Stream-Perennial (Double)
Lake/Pond-Perennial
Lake/Pond-Intermittent
Canal-Intermittent (Double)
Marsh/Swamp
Marsh/Swamp –Wooded
Pits-Gravel/Borrow/Sand/Clay
Sewage Disposal/Filtration Plant
Industrial Water Impoundment
Basins, SRS Man-Made 1:1200

Carolina Bay –Distinct
Carolina Bay –Indistinct
Carolina Bay –Indistinct, Distrubed
A Area
M Area
Boundary, SRS Area
Buildings, Complete
Buildings, To Go (2004 –2006)
Buildings, To Go (2007 –2025)
Pads

March 26, 2004

Projection: Universal Tranverse Mercator
Datum: North American Datum 1927
Zone: 17
To place on the North American Datum 1983, move the projection lines 13 meters south and 15 meters west.

Aerial Photograph, 2001 False Color Infrared rendered grayscale.

Disclaimer:This product was prepared as an account of work sponsored by an agency of the United States Government. Neither the United States Government nor any agency thereof, nor any of their employees, makes any warranty, express or implied.

Waste Units 1:6,000

Waste Points
TO GO
COMPLETE

Waste Units
TO GO
COMPLETE
Boundary, SRS Facility Area
Buildings, SRS 1:1200

Roads, SRS GPS Centerline
Primary
Secondary
Tertiary
Railroad Centerline, USGS 1:24000

Streams, USGS SRS
Intermittent
Perennial
Carolina Bay –Distinct
Carolina Bay –Indistinct
Carolina Bay –Indistinct, Distrubed

Waterbodies, USGS
Stream-Perennial (Double)
Lake/Pond-Perennial
Lake/Pond-Intermittent
Canal-Intermittent (Double)
Marsh/Swamp
Marsh/Swamp –Wooded
Pits-Gravel/Borrow/Sand/Clay
Sewage Disposal/Filtration Plant
Industrial Water Impoundment

Basins, SRS Man-Made 1:1200
Groundwater Plumes

Watersheds
Fourmile Branch
Lower Three Runs
Pen Branch
Salkehatchie River
Savannah River / Floodplain / Swamp
Steel Creek
Upper Three Runs

4-7a1_A_LOWER.mxd

A Area (Lower)

Upper Three Runs & Savannah River Flood Plain / Swamp Watershed

Waste Units

Complete

To Go

13 M-Area Hazardous Waste Management Facility (M-Area Settling Basin, 904-51G)
15 Metallurgical Laboratory Hazardous Management Facility, 904-110G
23 M-Area Hazardous Waste Management Facility: A/M Area Groundwater Portion, 904-110G
44 716-A Motor Shop Seepage Basin, 904-101G
47 A-Area Coal Pile Runoff Basin, 788-3A
48 A-Area Miscellaneous Rubble Pile, 731-6A
56 M-Area Hazardous Waste Management Facility (Carolina Bay)
100 M-Area Settling Basin Inactive Process Sewers To Manhole 1, 081-M
128 Spill On 10/13/75 Of 1200 Gal Of Pce, Nbn
187 M-Area Sandblast Area Cmm-006
188 M-Area Sandblast Area Cmm-007
189 M-Area Sandblast Area Cmm-004
190 M-Area Sandblast Area Cmm-005
195 Spill On 03/20/86 Of <1 Gal Of Water –Rad, Nbn
196 Spill On 03/30/87 Of 15 Gal Of Acidic Water, Nbn
197 Spill On 03/30/88 Of 15 Gal Of Acidic Water, Nbn
198 Spill On 03/04/86 Of 5 Gal Of 50% Naoh From 341-M, Nbn
215 Potential Release Of Caustic/Hno3 From 312-M, Nbn
234 313-M And 320-M Inactive Clay Process Sewers To Tims Branch, Nbn
236 A-Area Ash Pile, 788-0A
326 Potential Release Of Tct, Tet Tce, Hno3, U, Heavy Metals From 321-M Abandoned Sewer Line, Nbn
340 Salvage Yard, 740-A
347 Sandblast Area Cmm-002, Nbn
352 Sandblast Area Cmm-008, Nbn
369 Spill On 01/01/85 Of 3 Gal Of Aluminum Nitrate, Nbn
371 Spill On 01/01/87 Of 5 Gal Of 50% Sodium Hydroxide, Nbn
377 Spill On 01/19/86 Of Unknown Of Plating Solution, Nbn
379 Spill On 01/07/87 Of 20 Gal Of Caustic, Nbn
384 Spill On 11/21/87 Of 170 Gal Of Koh, Smbs, Napo4 From 784-A, Nbn
388 Spill On 12/17/85 Of 2 Gal Of Phosphoric Acid, Nbn
397 Spill On 02/06/85 Of 50 Gal Of Caustic, Nbn
400 Spill On 03/11/87 Of 1 Gal Of Caustic, Nbn
404 Spill On 03/07/86 Of 10 Gal Of Acid, Nbn
406 Spill On 03/08/86 Of 1/2 Pint Of Water –Rad, Nbn
407 Spill On 03/08/86 Of 10 Gal Of Nitric Acid, Nbn
408 Spill On 03/08/86 Of 6 Gal Of Caustic, Nbn
415 Spill On 04/25/87 Of 15 Gal Of Water –Rad, Nbn
420 Spill On 05/01/87 Of 100 Gal Of Water From 300-M, Nbn
436 Spill On 06/16/87 Of ~1 Gal Of Water –Rad, Nbn
440 Spill On 06/28/84 Of 100 Gal Of Chilled Water, Nbn
446 Spill On 08/18/86 Of 20 Gal Of Water –Rad, Nbn
447 Spill On 08/29/85 Of 500 Gm Of Uranyl Nitrate, Nbn
450 Spill On 09/10/86 Of 1 Gal Of Water –Rad, Nbn
451 Spill On 09/20/87 Of Unknown Amount Of Water –Rad, Nbn
454 Spill On 09/04/85 Of 1 1/2 Gal Of Nitric Acid, Nbn
465 Underground Sump 321 M #001 321-M
466 Underground Sump 321 M #002 321-M
480 Sandblast Area Cmm-003, Nbn
483 Stormwater Outfall A-013, Nbn
484 M-Area Hazardous Waste Management Facility: M-Area Vadose Zone, 643-28G
486 Contaminated Soil, 321-M
497 Sandblast Area Cmm-001, Nbn
521 Ecods A-2 (Near Sandblast Area Cmm-001, Nbn)
562 A-Area Process Sewer Lines As Abandoned, Nbn

Waste Units not on A Area Maps:
41 Silverton Road Waste Unit, south of A Area located on watershed map
208 ATTA range located in north central quadrant of SRS located on watershed map
359 SATA range located northeast of A Area located on watershed map
491 Sandblast Area CMB-001 located in B Area located on watershed map
526 ECOD B1A, B1B near heliport in B Area located on watershed map
527 ECOD B2 near heliport in B Area located on watershed map
528 ECOD B3 located in northeastern corner of B Area located on watershed map
529 ECOD B4 located in northeastern corner of B Area located on watershed map
530 ECOD B5 located in northeastern corner of B Area located on watershed map
541 ECOD G1 located west of Three Rivers Landfill adjacent to Gunsite 72 Rubble Pile located on watershed map
568 ECOD G5 located south of Three Rivers Landfill located on watershed map

2007 –2025 Note:

FY07 through FY25 is for planning purposes only. Detailed facility information for FY07 and beyond is contained in the SRS Environmental Management Integrated Deactivation and Decommissioning Plan, Rev. 1, September 2003.

Note:
This list of To Go buildings in A area contains buildings in both Upper and Lower A Area and M Area. Check the Upper A Area map for buildings that do not appear on this map.

EM Facilities

Unit No	Bldg No	Name
1376	305-A	TEST PILE
1445	607-16A	CHEMICAL FEED FACILITY
1446	607-17A	WASTE TREATMENT FACILITY
1450	607-1A	SEWAGE TREATMENT PLANT
1581	701-12A	SECURITY SOUTH ENTRY CONTROL
1583	701-13A	GUARDHOUSE @ EMPLOYMENT ROAD
1588	701-1A	GATEHOUSE, TECHNICAL AREA
1615	702-2A	TELEPHONE EXCHANGE BUILDING
1616	702-A	TELEPHONE BUILDING
1628	703-37A	COOLING WATER PUMP ENCLOSURE A/COMP RM
1629	703-38A	COOLING WATER PUMP ENCLOSURE B/COMP RM
1630	703-41A	DOE OFFICE BUILDING
1631	703-42A	A&BA OFFICE BUILDING
1632	703-43A	PUBLICATIONS BUILDING
1633	703-44A	COMPUTER BUILDING
1634	703-45A	SUPPORT SERVICES BUILDING
1635	703-46A	ADMINISTRATIVE CONTROL BUILDING
1636	703-47A	ADMINISTRATION SUPPORT
1639	703-71A	PUMP HOUSE
1640	703-A	ADMINISTRATION BUILDING
1672	705-A	ENGINEERING OFFICE BUILDING
1678	706-A	FIELD OFFICE FOR DOE
1688	707-A	JANITORIAL SUBCONTRACT OFFICE
1695	708-A	CAFETERIA
1699	709-A	FIRE STATION NO. 1
1715	710-A	WAREHOUSE BUILDING (EAST OF 714-A)
1725	711-A	STEEL AND PIPE STORAGE BUILDING
1733	712-A	LUMBER STORAGE
1734	713-1A	CENTRAL STORES WAREHOUSE
1736	713-2A	CENTRAL STORES STORAGE BUILDING
1739	713-A	CENTRAL STORES BUILDING
1745	714-A	SPARE MACHINERY STORAGE
1749	715-A	GASOLINE STATION
1751	716-2A	SUPPORT SERVICES LOWER 700-G
1752	716-4A	REGULATED VEHICLE MAINTENANCE BUILDING
1754	716-A	AUTOMOTIVE REPAIR SHOP
1757	717-10A	FPEG
1760	717-11A	CSWE WORKS ENG FAC UPPER 700
1777	717-4A	VARNISH DIP TANK FACILITY
1779	717-7A	MAINTENANCE WAREHOUSE
1780	717-8A	STORAGE BUILDING LOWER 700-A
1782	717-9A	STORAGE BUILDING MUM
1784	717-A	MAINTENANCE CENTRAL SHOP
1791	719-4A	CFOD & GENERAL COUNSEL BUILDING
1793	719-A	MEDICAL AND EMPLOYMENT BUILDING
1796	720-2A	CENTRAL ALARM STATION (CAS)
1797	720-A	PATROL HEADQUARTERS
1800	721-A	TRAINING SCHOOL AND LABORATORIES BLDG
1801	722-1A	ELECTRICAL REPAIR SHOP
1802	722-4A	MOTOR SHOP AND BALANCING FACILITY
1803	722-5A	COMPUTER & COMMUNICATIONS REPAIR BLDG
1804	722-7A	STORAGE BUILDING
1805	722-8A	STORAGE BUILDING
1806	722-A	ELECTRICAL REPAIR SHOP
1808	723-15A	FIXTURE & EQUIPMENT STORAGE FACILITY
1814	723-A	ENGINEERING ASSISTANCE FACILITY
1818	724-16A	STORAGE BUILDING
1819	724-2A	T&T STORAGE SHED
1820	724-5A	E&I VEHICLE STORAGE SHED
1823	724-A	E&I-CS-CENTRAL SHOP OFFICE COMPLEX
1827	725-A	PAINT SHOP
1837	730-A	ENGINEERING AND TRAINING BUILDING
1849	733-1A	OIL STORAGE BUILDING
1850	733-A	FLAMMABLE STORAGE HOUSE
1851	734-A	COMPRESSED GASES STORAGE
1852	735-11A	RADIOLOGICAL & ENVIRONMENTAL SUP FAC
1853	735-13A	ETD EQUIPMENT STORAGE
1854	735-17A	ENVIRONMENTAL STAGING BUILDING
1856	735-2A	HEALTH PROTECTION BOAT STORAGE BLDG
1859	735-7A	METEOROLOGICAL SCIENCES LAB
1862	735-A	RADIOLOGICAL & ENVIRONMENTAL SCIENCE LAB
1864	736-A	STANDARDS LABORATORY
1865	737-11A	NORMAL GREENHOUSE NO. 2
1866	737-12A	NORMAL GREENHOUSE NO. 3
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1871	737-18A	SREL STORAGE BUILDING
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1873	737-1A	ANIMAL HOLDING FACILITY
1874	737-24A	ANIMAL CARE FACILITY
1875	737-25A	MODULAR OFFICE
1876	737-26A	SREL RECEIVING BUILDING
1877	737-2A	HEAD HOUSE
1878	737-3A	ISOTOPE GREENHOUSE-SREL COMPLEX
1879	737-4A	GREENHOUSE-SREL COMPLEX
1880	737-5A	SHOP
1881	737-6A	WATERFOWL BROODER HOUSE
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1883	737-8A	SOUTH WATERFOWL BREEDING PEN NO. 2
1884	737-A	ENVIRONMENTAL RESEARCH LAB
1886	738-A	ACID & SOLVENT STORAGE SHED
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1894	742-A	OFFICE BUILDING
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1901	751-A	PRIMARY SUBSTATION (HIGH VOLTAGE 115 KV)
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1904	754-11A	PROPANE GENERATOR
1905	754-5A	UPS/GENERATOR ENCLOSURE
1906	754-8A	DIESEL GENERATOR FOR 703-44A
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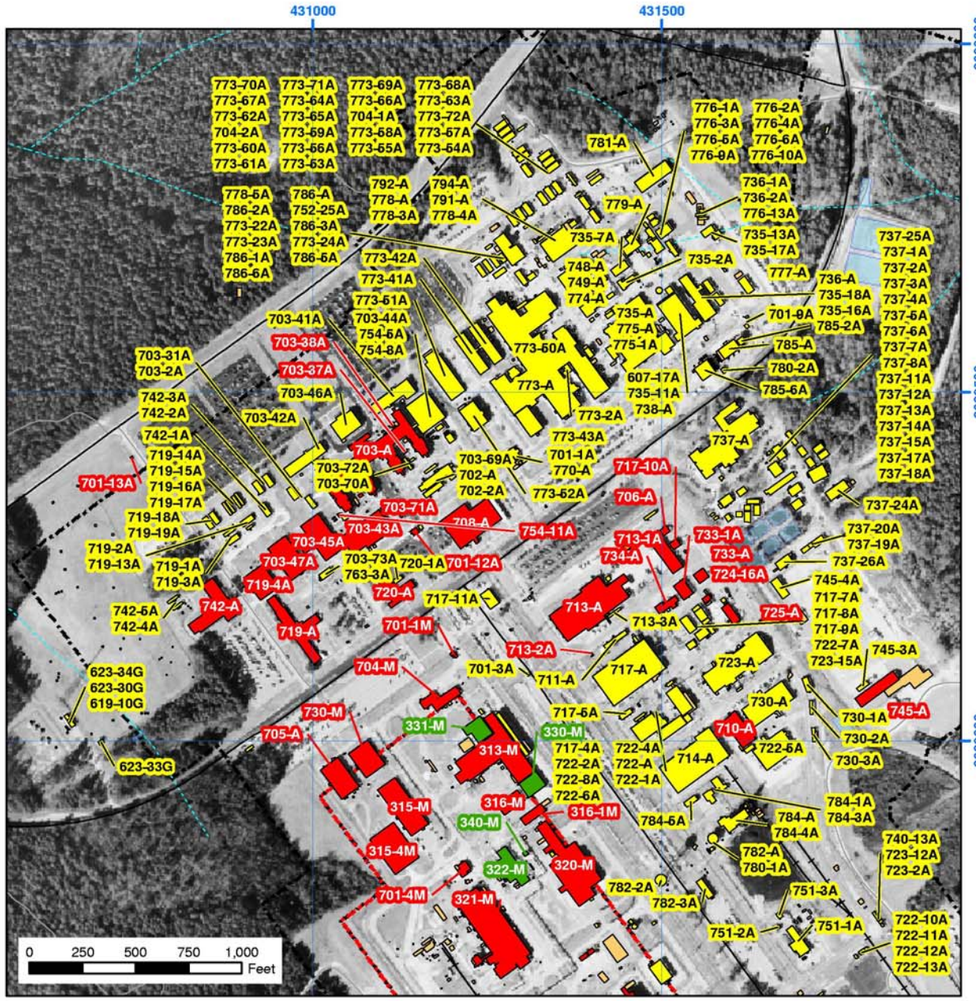
1939	773-42A	SRL OFFICE BUILDING
1940	773-43A	ENGINEERING & PLANNING BUILDING
1941	773-60A	PSP POWER SUPPLY BUILDING
1942	773-61A	ADMINISTRATIVE SERVICES
1943	773-62A	CENTRAL RECORDS FACILITY
1944	773-A	MAIN TECHNICAL LABORATORY
1945	774-A	WASTE PROCESS AND FRACTURE TOUGHNESS FITNESS FAC
1946	775-1A	MAINTENANCE WORK SHOP
1947	775-A	CENTRAL COMPRESSOR BUILDING
1948	776-10A	HI LEVEL PIPE GALLERY ACCESS BUILDING
1949	776-1A	CONTROL HOUSE
1950	776-2A	TANK BUILDING
1951	776-3A	STRAINER CHANGE HOUSE
1952	776-4A	HIGH LEVEL VENT FILTER HOUSE
1953	776-5A	TANK BUILDING VENT AREA
1954	776-6A	WASTE LOADING STATION
1955	776-8A	STORAGE BUILDING
1956	777-10A	SITE UTILITIES OFFICE FACILITY
1957	777-A	HEALTH PROTECTION STORAGE FACILITY
1958	779-A	MANIPULATOR REPAIR SHOP
1959	780-1A	CHEMICAL FEED BUILDING-WEST OF 784-A
1960	780-2A	CHLORINE FEED BUILDING FOR 785-A
1961	781-A	3/700 TC FACILITY
1966	782-2A	DOMESTIC WATER STORAGE TANK
1968	782-3A	A-AREA DOMESTIC WATER CENTRAL TREATMENT PLANT
1972	784-1A	MAINTENANCE SHOP BOILER HOUSE
1973	784-3A	E&I STORAGE BUILDING
1974	784-4A	COAL HANDLER OBSERVATION BUILDING
1975	784-A	BOILER HOUSE
1977	785-2A	COOLING TOWER NO. 2
1978	785-6A	CHILLER
1979	785-A	COOLING TOWER
1980	786-A	HEAT TRANSFER LABORATORY
1984	791-A	POLLUTION CONTROL STACK, 773-A
1985	792-A	EXHAUST FAN HOUSE
1986	794-A	SAND FILTER AND SUPPLY TUNNEL

March 26, 2004

4-7a1_A_LOWER_table.mxd

Upper Three Runs & Savannah River Flood Plain / Swamp Watershed **4.7a.2 –A Area (Upper) Hazard Map** **Savannah River Site**



EM Facilities 1:7,000

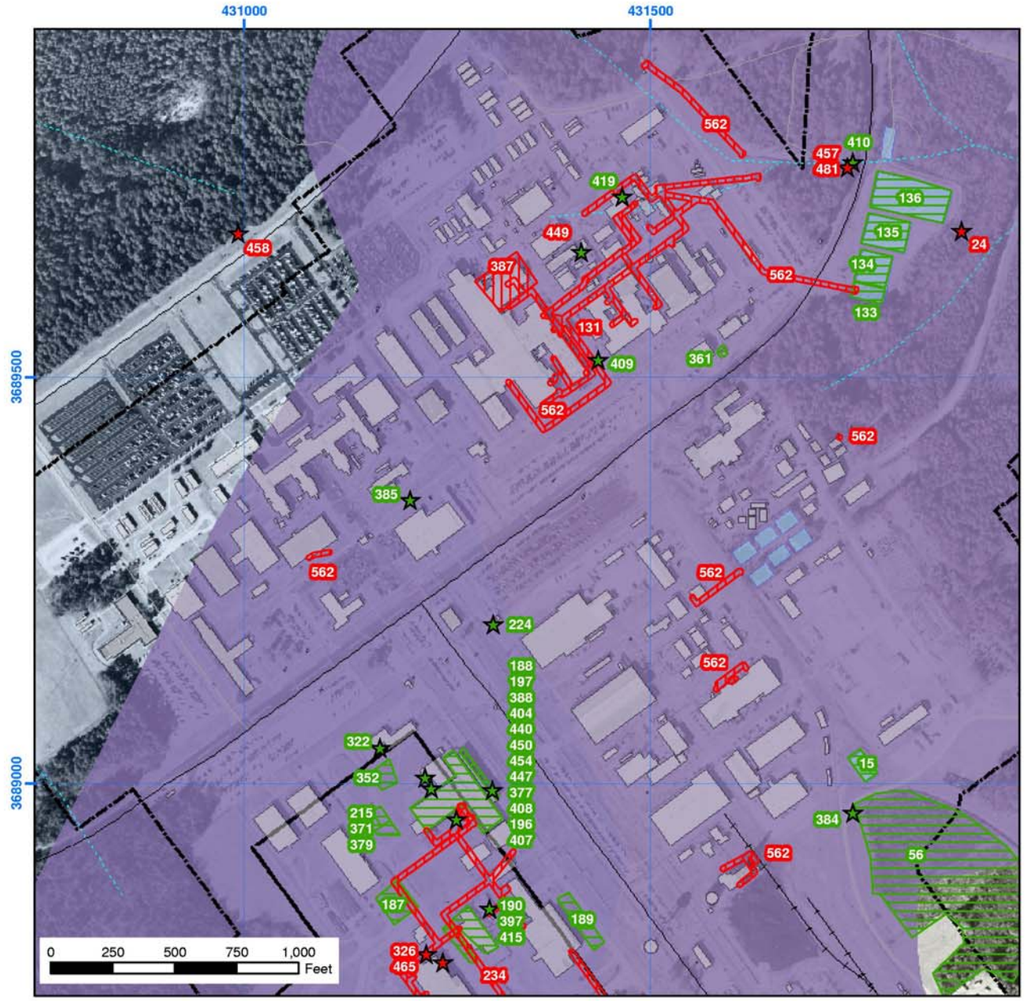
Railroad Centerline, USGS 1:24000
Roads, SRS GPS Centerline
Primary
Secondary
Tertiary
Streams, USGS SRS
Intermittent
Perennial
Carolina Bay –Distinct
Carolina Bay –Indistinct
Carolina Bay –Indistinct, Distrubed
Waterbodies, USGS
Stream-Perennial (Double)
Lake/Pond-Perennial
Lake/Pond-Intermittent
Canal-Intermittent (Double)
Marsh/Swamp
Marsh/Swamp –Wooded
Pits-Gravel/Borrow/Sand/Clay
Sewage Disposal/Filtration Plant
Industrial Water Impoundment
Basins, SRS Man-Made 1:1200
Boundary, SRS Facility Area
A Area
M Area
Boundary, SRS Area
Buildings, Complete
Buildings, To Go (2004 –2006)
old Buildings, To Go (2007 –2025)
Pads
Buildings, To Go (2007 –2025)

March 26, 2004

Projection: Universal Tranverse Mercator
Datum: North American Datum 1927
Zone: 17
To place on the North American Datum 1983, move the projection lines 13 meters south and 15 meters west.

Aerial Photograph, 2001 False Color Infrared rendered grayscale.

Disclaimer:This product was prepared as an account of work sponsored by an agency of the United States Government. Neither the United States Government nor any agency thereof, nor any of their employees, makes any warranty, express or implied.



Waste Units 1:5,996

Waste Points
TO GO
COMPLETE
Waste Units
TO GO
COMPLETE
Boundary, SRS Facility Area
Buildings, SRS 1:1200
Roads, SRS GPS Centerline
Primary
Secondary
Tertiary
Railroad Centerline, USGS 1:24000
Streams, USGS SRS
Intermittent
Perennial
Carolina Bay –Distinct
Carolina Bay –Indistinct
Carolina Bay –Indistinct, Distrubed
Waterbodies, USGS
Stream-Perennial (Double)
Lake/Pond-Perennial
Lake/Pond-Intermittent
Canal-Intermittent (Double)
Marsh/Swamp
Marsh/Swamp –Wooded
Pits-Gravel/Borrow/Sand/Clay
Sewage Disposal/Filtration Plant
Industrial Water Impoundment
Basins, SRS Man-Made 1:1200
Watersheds
Fourmile Branch
Lower Three Runs
Pen Branch
Salkehatchie River
Savannah River / Floodplain / Swamp
Steel Creek
Upper Three Runs

4-7a2_A_UPPER.mxd

A Area (Upper)

Waste Units

Complete

To Go

15 Metallurgical Laboratory Hazardous Management Facility, 904-110G
24 Srl Groundwater
56 M-Area Hazardous Waste Management Facility (Carolina Bay)
100 M-Area Settling Basin Inactive Process Sewers To Manhole 1, 081-M
131 Srl 904-A Process Trench, 904-A
133 Srl Seepage Basins, 904-53G1
134 Srl Seepage Basins, 904-53G2
135 Srl Seepage Basins, 904-54G
136 Srl Seepage Basins, 904-55G
187 M-Area Sandblast Area Cmm-006
188 M-Area Sandblast Area Cmm-007
189 M-Area Sandblast Area Cmm-004
190 M-Area Sandblast Area Cmm-005
196 Spill On 03/30/87 Of 15 Gal Of Acidic Water, Nbn
197 Spill On 03/30/88 Of 15 Gal Of Acidic Water, Nbn
215 Potential Release Of Caustic/Hno3 From 312-M, Nbn
224 Spill On 10/07/85 Of 1 Gal Of Nitric Acid At Barricade 10, Nbn
234 313-M And 320-M Inactive Clay Process Sewers To Tims Branch, Nbn
322 Potential Release Of Diesel Fuel And Benzene From 730-M, Nbn
326 Potential Release Of Tct, Tet Tce, Hno3, U, Heavy Metals From 321-M Abandoned Sewer Line, Nbn
352 Sandblast Area Cmm-008, Nbn
361 Spill Of 218 Grams Mercury Adjacent To Bldg. 780-2A, Nbn
371 Spill On 01/01/87 Of 5 Gal Of 50% Sodium Hydroxide, Nbn
377 Spill On 01/19/86 Of Unknown Of Plating Solution, Nbn
379 Spill On 01/07/87 Of 20 Gal Of Caustic, Nbn
384 Spill On 11/21/87 Of 170 Gal Of Koh, Smbs, Napo4 From 784-A, Nbn
385 Spill On 11/22/85 Of Unknown Of Chromated Water From Between 702-A And 708-A, Nbn
387 Spill On 12/01/71 Of 1000 Gal Of Rad Water From 773-A, Nbn
388 Spill On 12/17/85 Of 2 Gal Of Phosphoric Acid, Nbn
397 Spill On 02/06/85 Of 50 Gal Of Caustic, Nbn
404 Spill On 03/07/86 Of 10 Gal Of Acid, Nbn
407 Spill On 03/08/86 Of 10 Gal Of Nitric Acid, Nbn
408 Spill On 03/08/86 Of 6 Gal Of Caustic, Nbn
409 Spill On 04/01/85 Of 25 Ml Of Sulfuric Acid, Nbn
410 Spill On 04/01/87 Of <5 Gal Of Cr Iii Ligno –Sulfonate, Nbn
415 Spill On 04/25/87 Of 15 Gal Of Water –Rad, Nbn
419 Spill On 05/01/85 Of 1 Gal Of Alcohol From 779-A, Nbn
440 Spill On 06/28/84 Of 100 Gal Of Chilled Water, Nbn
447 Spill On 08/29/85 Of 500 Gm Of Uranyl Nitrate, Nbn
449 Spill On 09/01/85 Of <1 Lb Of Mercury From 748-A, Nbn
450 Spill On 09/10/86 Of 1 Gal Of Water –Rad, Nbn
454 Spill On 09/04/85 Of 1 1/2 Gal Of Nitric Acid, Nbn
457 Stormwater Outfall A-002, Nbn
458 Stormwater Outfall A-024, Nbn
465 Underground Sump 321 M #001 321-M
481 A-001 Outfall, Nbn
562 A-Area Process Sewer Lines As Abandoned, Nbn

Waste Units not on A Area Maps:
41 Silverton Road Waste Unit, south of A Area located on watershed map
208 ATTA range located in north central quadrant of SRS located on watershed map
359 SATA range located northeast of A Area located on watershed map
491 Sandblast Area CMB-001 located in B Area located on watershed map
526 ECOD B1A, B1B near heliport in B Area located on watershed map
527 ECOD B2 near heliport in B Area located on watershed map
528 ECOD B3 located in northeastern corner of B Area located on watershed map
529 ECOD B4 located in northeastern corner of B Area located on watershed map
530 ECOD B5 located in northeastern corner of B Area located on watershed map
541 ECOD G1 located west of Three Rivers Landfill adjacent to Gunsite 72 Rubble Pile located on watershed map
568 ECOD G5 located south of Three Rivers Landfill located on watershed map

2007 –2025 Note:

FY07 through FY25 is for planning purposes only. Detailed facility information for FY07 and beyond is contained in the SRS Environmental Management Integrated Deactivation and Decommissioning Plan, Rev. 1, September 2003.

Note:
This list of To Go buildings in A area contains buildings in both Upper and Lower A Area and M Area. Check the Lower A Area map for buildings that do not appear on this map.

Upper Three Runs & Savannah River Flood Plain / Swamp Watershed

EM Facilities

Unit No	Bldg No	Name
1376	305-A	TEST PILE
1445	607-16A	CHEMICAL FEED FACILITY
1446	607-17A	WASTE TREATMENT FACILITY
1450	607-1A	SEWAGE TREATMENT PLANT
1581	701-12A	SECURITY SOUTH ENTRY CONTROL
1583	701-13A	GUARDHOUSE @ EMPLOYMENT ROAD
1588	701-1A	GATEHOUSE, TECHNICAL AREA
1615	702-2A	TELEPHONE EXCHANGE BUILDING
1616	702-A	TELEPHONE BUILDING
1628	703-37A	COOLING WATER PUMP ENCLOSURE A/COMP RM
1629	703-38A	COOLING WATER PUMP ENCLOSURE B/COMP RM
1630	703-41A	DOE OFFICE BUILDING
1631	703-42A	A&BA OFFICE BUILDING
1632	703-43A	PUBLICATIONS BUILDING
1633	703-44A	COMPUTER BUILDING
1634	703-45A	SUPPORT SERVICES BUILDING
1635	703-46A	ADMINISTRATIVE CONTROL BUILDING
1636	703-47A	ADMINISTRATION SUPPORT
1639	703-71A	PUMP HOUSE
1640	703-A	ADMINISTRATION BUILDING
1672	705-A	ENGINEERING OFFICE BUILDING
1678	706-A	FIELD OFFICE FOR DOE
1688	707-A	JANITORIAL SUBCONTRACT OFFICE
1695	708-A	CAFETERIA
1699	709-A	FIRE STATION NO. 1
1715	710-A	WAREHOUSE BUILDING (EAST OF 714-A)
1725	711-A	STEEL AND PIPE STORAGE BUILDING
1733	712-A	LUMBER STORAGE
1734	713-1A	CENTRAL STORES WAREHOUSE
1736	713-2A	CENTRAL STORES STORAGE BUILDING
1739	713-A	CENTRAL STORES BUILDING
1745	714-A	SPARE MACHINERY STORAGE
1749	715-A	GASOLINE STATION
1751	716-2A	SUPPORT SERVICES LOWER 700-G
1752	716-4A	REGULATED VEHICLE MAINTENANCE BUILDING
1754	716-A	AUTOMOTIVE REPAIR SHOP
1757	717-10A	FPEG
1760	717-11A	CSWE WORKS ENG FAC UPPER 700
1777	717-4A	VARNISH DIP TANK FACILITY
1779	717-7A	MAINTENANCE WAREHOUSE
1780	717-8A	STORAGE BUILDING LOWER 700-A
1782	717-9A	STORAGE BUILDING MUM
1784	717-A	MAINTENANCE CENTRAL SHOP
1791	719-4A	CFOD & GENERAL COUNSEL BUILDING
1793	719-A	MEDICAL AND EMPLOYMENT BUILDING
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1820	724-5A	E&I VEHICLE STORAGE SHED
1823	724-A	E&I-CS--CENTRAL SHOP OFFICE COMPLEX
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1961	781-A	3/700 TC FACILITY
1966	782-2A	DOMESTIC WATER STORAGE TANK
1968	782-3A	A-AREA DOMESTIC WATER CENTRAL TREATMENT PLANT
1972	784-1A	MAINTENANCE SHOP BOILER HOUSE
1973	784-3A	E&I STORAGE BUILDING
1974	784-4A	COAL HANDLER OBSERVATION BUILDING
1975	784-A	BOILER HOUSE
1977	785-2A	COOLING TOWER NO. 2
1978	785-6A	CHILLER
1979	785-A	COOLING TOWER
1980	786-A	HEAT TRANSFER LABORATORY
1984	791-A	POLLUTION CONTROL STACK, 773-A
1985	792-A	EXHAUST FAN HOUSE
1986	794-A	SAND FILTER AND SUPPLY TUNNEL

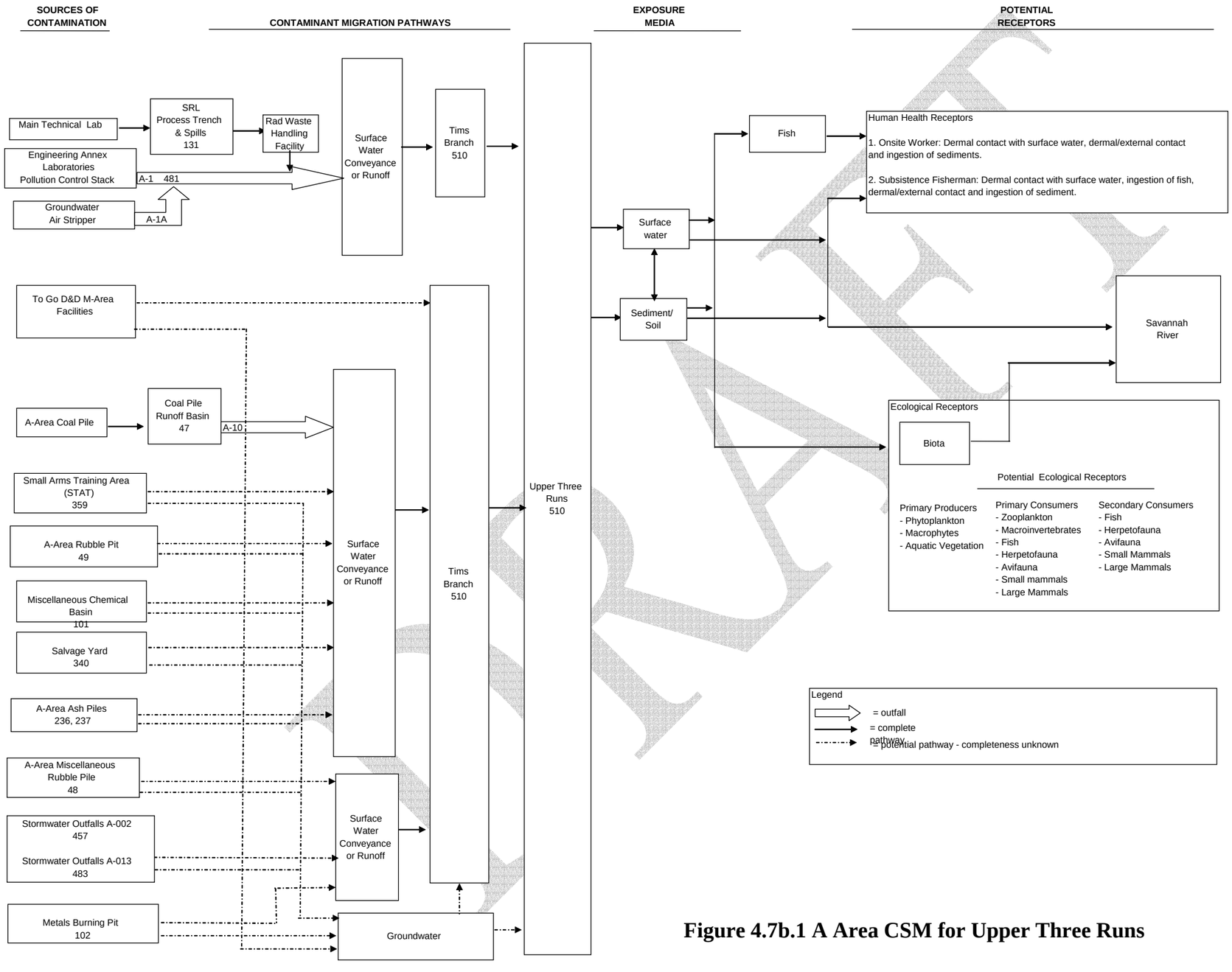


Figure 4.7b.1 A Area CSM for Upper Three Runs

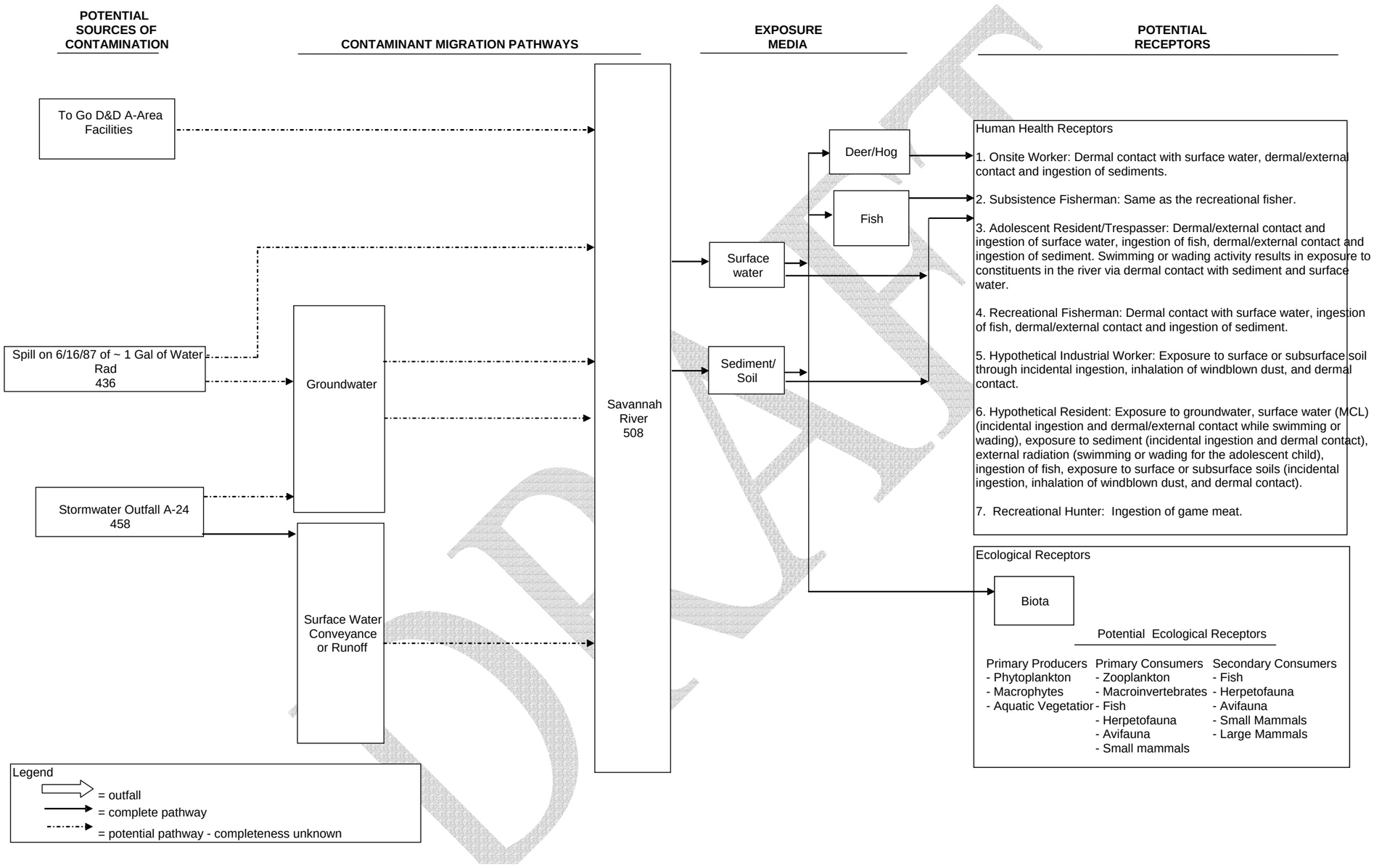
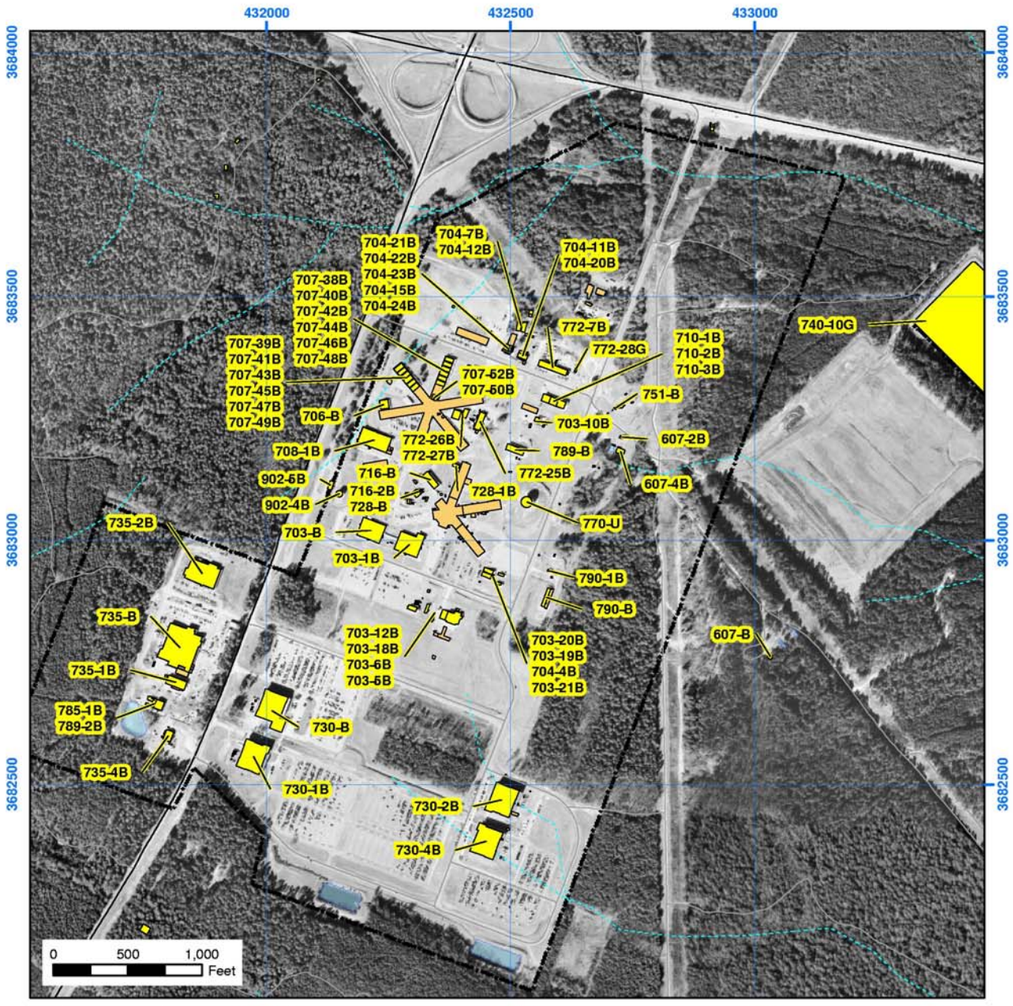


Figure 4.7b.2 A Area CSM for Savannah River

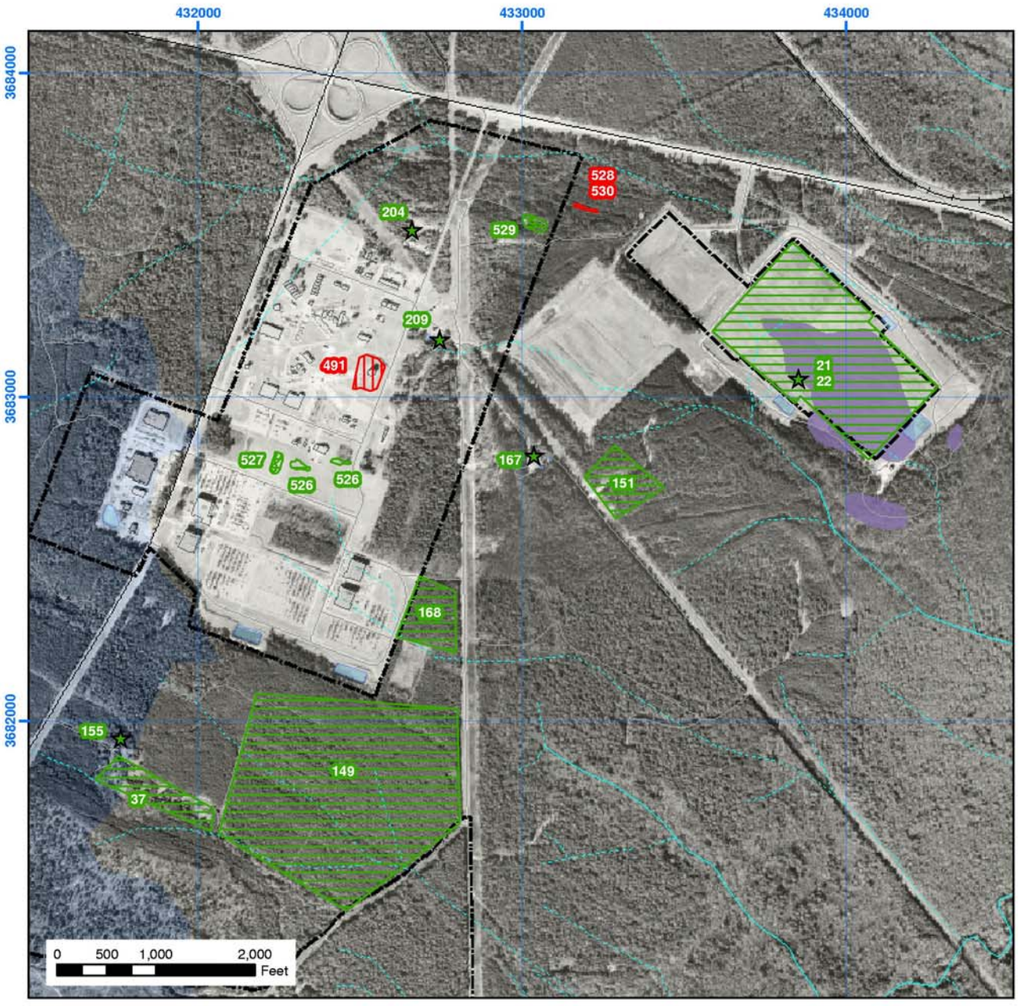
Upper Three Runs & Savannah River Flood Plain / Swamp Watershed

4.8a –B Area Hazard Map

Savannah River Site



EM Facilities 1:10,000



Waste Units 1:15,000

Railroad Centerline, USGS 1:24000
Roads, SRS GPS Centerline
Primary
Secondary
Tertiary
Streams, USGS SRS
Intermittent
Perennial
Waterbodies, USGS
Stream-Perennial (Double)
Lake/Pond-Perennial
Lake/Pond-Intermittent
Canal-Intermittent (Double)
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Marsh/Swamp –Wooded
Pits-Gravel/Borrow/Sand/Clay
Sewage Disposal/Filtration Plant
Industrial Water Impoundment
Basins, SRS Man-Made 1:1200
Carolina Bay –Distinct
Carolina Bay –Indistinct
Carolina Bay –Indistinct, Distrubed
Boundary, SRS Area
Boundary, SRS Facility Area
Buildings, Complete
Buildings, To Go (2004 –2006)
Buildings, To Go (2007 –2025)
Pads

Projection: Universal Tranverse Mercator
Datum: North American Datum 1927
Zone: 17
To place on the North American Datum 1983, move the projection lines 13 meters south and 15 meters west.

Aerial Photograph, 2001 False Color Infrared rendered grayscale.

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Waste Points
TO GO
COMPLETE
Boundary, SRS Facility Area
Buildings, SRS 1:1200
Roads, SRS GPS Centerline
Primary
Secondary
Tertiary
Railroad Centerline, USGS 1:24000
Streams, USGS SRS
Intermittent
Perennial
Carolina Bay –Distinct
Carolina Bay –Indistinct
Carolina Bay –Indistinct, Distrubed
Waterbodies, USGS
Stream-Perennial (Double)
Lake/Pond-Perennial
Lake/Pond-Intermittent
Canal-Intermittent (Double)
Marsh/Swamp
Marsh/Swamp –Wooded
Pits-Gravel/Borrow/Sand/Clay
Sewage Disposal/Filtration Plant
Industrial Water Impoundment
Basins, SRS Man-Made 1:1200
Groundwater Plumes
Watersheds
Lower Three Runs
Salkehatchie River
Upper Three Runs
Savannah River / Floodplain / Swamp
Pen Branch
Fourmile Branch
Steel Creek

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B Area

Waste Units

Complete

To Go

21 Non-Radioactive Waste Disposal Facility (Aka Sanitary Landfill Rcra Portion), 740-G
22 Non-Radioactive Waste Disposal Facility (Aka Sanitary Landfill) (Groundwater), 740-G
37 Grace Road Site, 631-22G
149 Lower Kato Road Site, 761-1G
151 Orangeburg Site, 761-2G
155 B-Area Tower Foundation Rubble Pile, Nbn
167 Imhoff Tank Rubble Pile, Nbn
168 Kato Road Site, 761-6G
204 Tcu Rubble Pile, Nbn
209 B-Area Sanitary Treatment Plant Rubble Pile, Nbn
491 Sandblast Area Cmb-001, Nbn
508 Savannah River Floodplain Swamp Integrator Operable Unit (Including Steel Creek Swamp And Beaver Dam Creek)
510 Upper Three Runs Integrator Operable Unit (Including Tims Branch)
526 Ecods B-1A, 1B (South Of B Area)
527 Ecods B-2 (South Of B Area)
528 Ecods B-3 (East Of B Area, South Of Road C)
529 Ecods B-4 (East Of B Area, South Of Road C)
530 Ecods B-5 (Adjacent To Ecods B-3)

Upper Three Runs & Savannah River Flood Plain / Swamp Watershed

EM Facilities

Unit No	Bldg No	Name
1458	607-2B	CHEMICAL FEED FAC
1469	607-4B	SANITARY WASTE WATER FACILITY
1626	703-10B	KENNEL FACILITIES
1627	703-1B	WSI TRAINING BLDG
1637	703-5B	HELICOPTER SUPP FAC, HANGER
1638	703-6B	HELICOPTER SUPP FAC OPR ANN
1641	703-B	WSI ADMINISTRATION BLDG
1679	706-B	WSI TRAINING BUILDING
1694	708-1B	B-AREA ENGINEER SUPPORT BLDG
1707	710-1B	HAZARDOUS CHEMICAL STORAGE
1708	710-2B	HAZARDOUS CHEMICAL STORAGE
1710	710-3B	STORAGE
1755	716-B	WSI AUTOMOTIVE SHOP
1830	728-1B	RECORDS STORAGE BLDG NO.2
1834	730-1B	ENGINEERING SUPPORT FACILITY
1835	730-2B	ADMINISTRATION BUILDING NO. 2
1836	730-4B	ADMINISTRATION BUILDING NO. 3
1838	730-B	ENGINEERING CENTER
1855	735-1B	REGULATORY MONITORING & BIOASSAY LAB AUXILIARY
1857	735-2B	HEALTH PROTECTION CALIBRATION FACILITY
1858	735-4B	WHOLE BODY COUNT FACILITY
1863	735-B	HEALTH PROTECTION RADIOLOGICAL
1902	751-B	5000 KVA SUBSTATION
1923	770-U	TEST REACTOR BLDG. (HWCTR)
1927	772-25B	RESEARCH LABORATORY (EPA STREAMS)
1929	772-7B	STORAGE & LAB FAC
1976	785-1B	CHILLER BUILDING COOLING TOWER
1981	789-2B	CHILLER BUILDING
1982	789-B	REFRIGERATION BUILDING
1983	790-B	AMMUNITION BUNKER
1994	902-5B	FIRE WATER PUMP HOUSE

2007 –2025 Note:

FY07 through FY25 is for planning purposes only. Detailed facility information for FY07 and beyond is contained in the SRS Environmental Management Integrated Deactivation and Decommissioning Plan, Rev. 1, September 2003.

March 26, 2004

4-8a_B_table.mxd

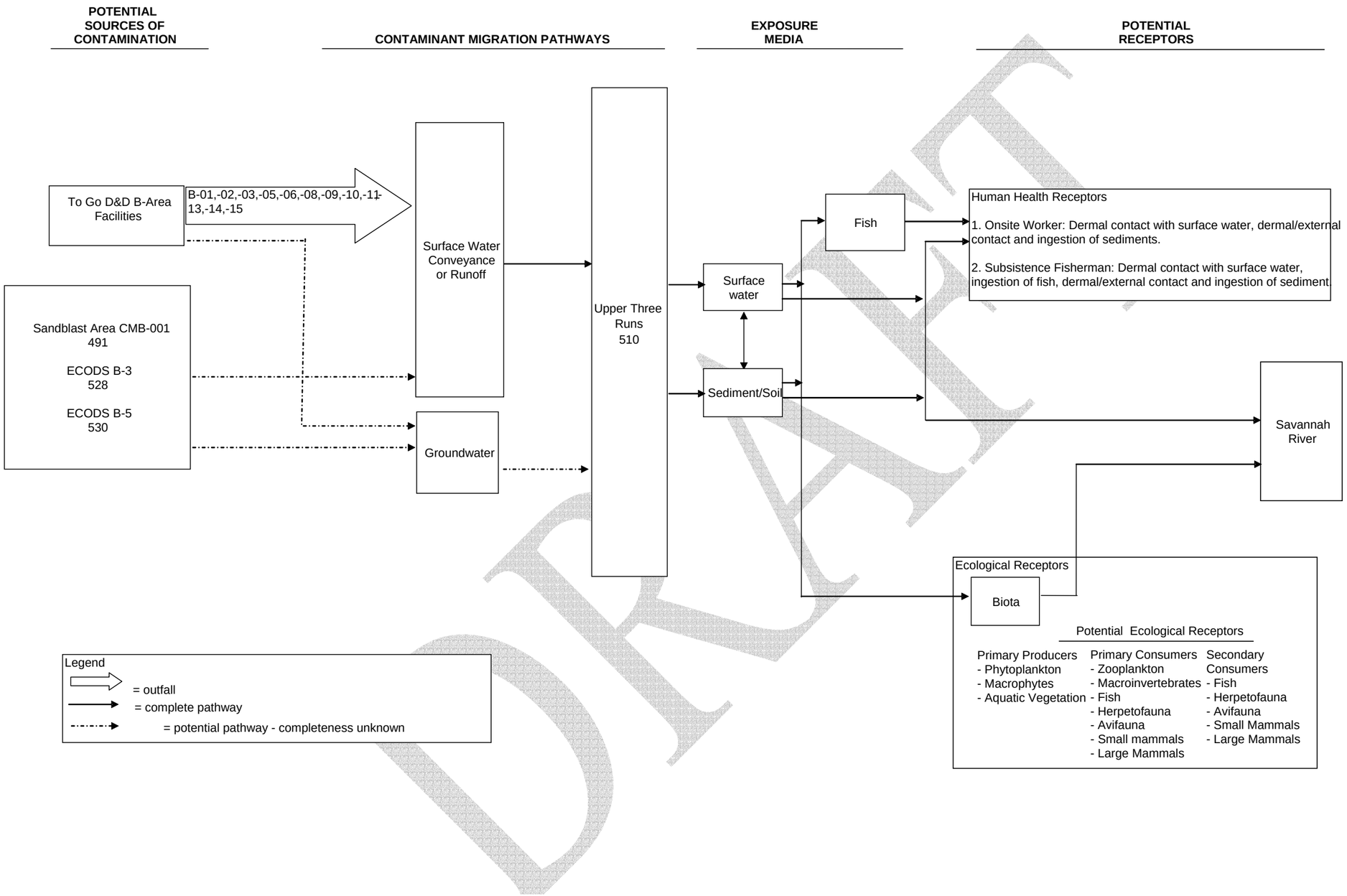


Figure 4.8b.1 B Area CSM for Upper Three Runs

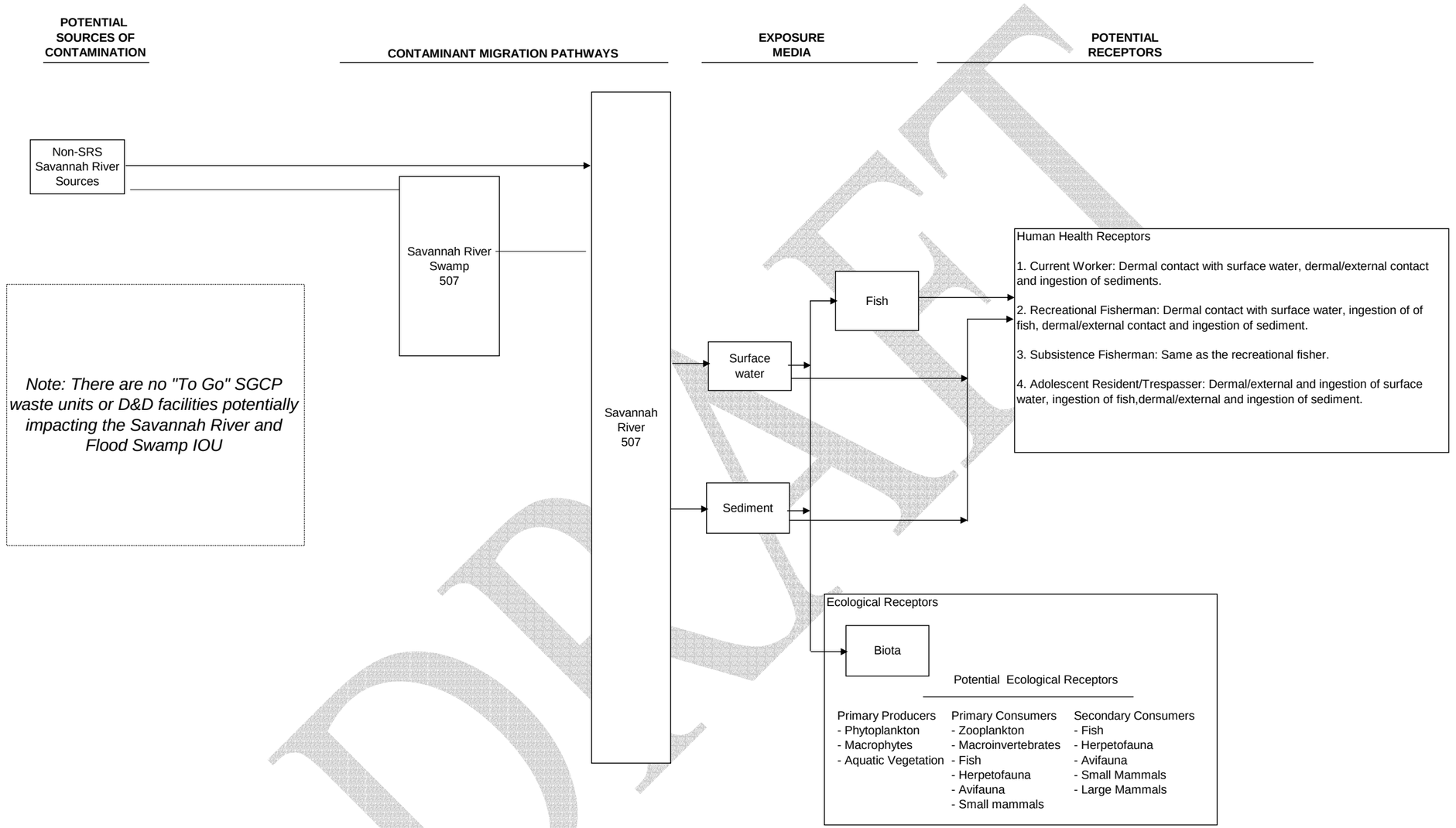
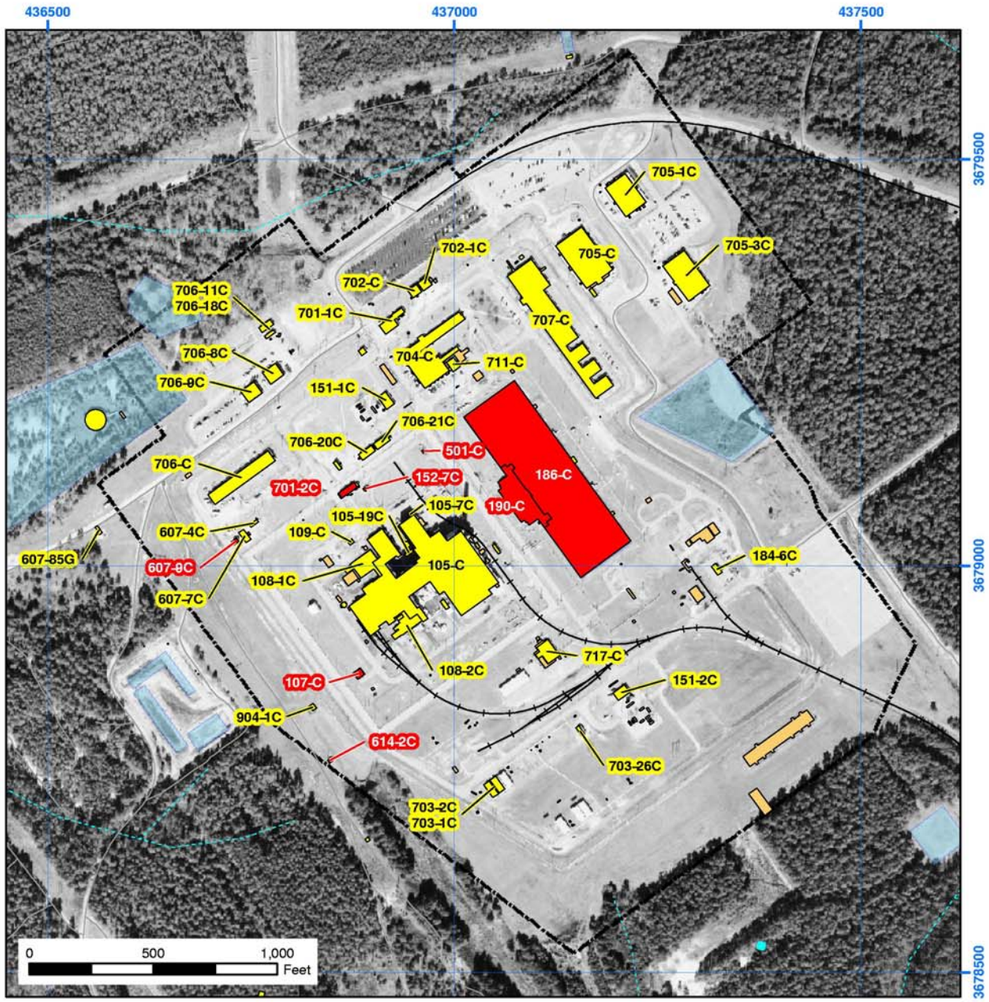
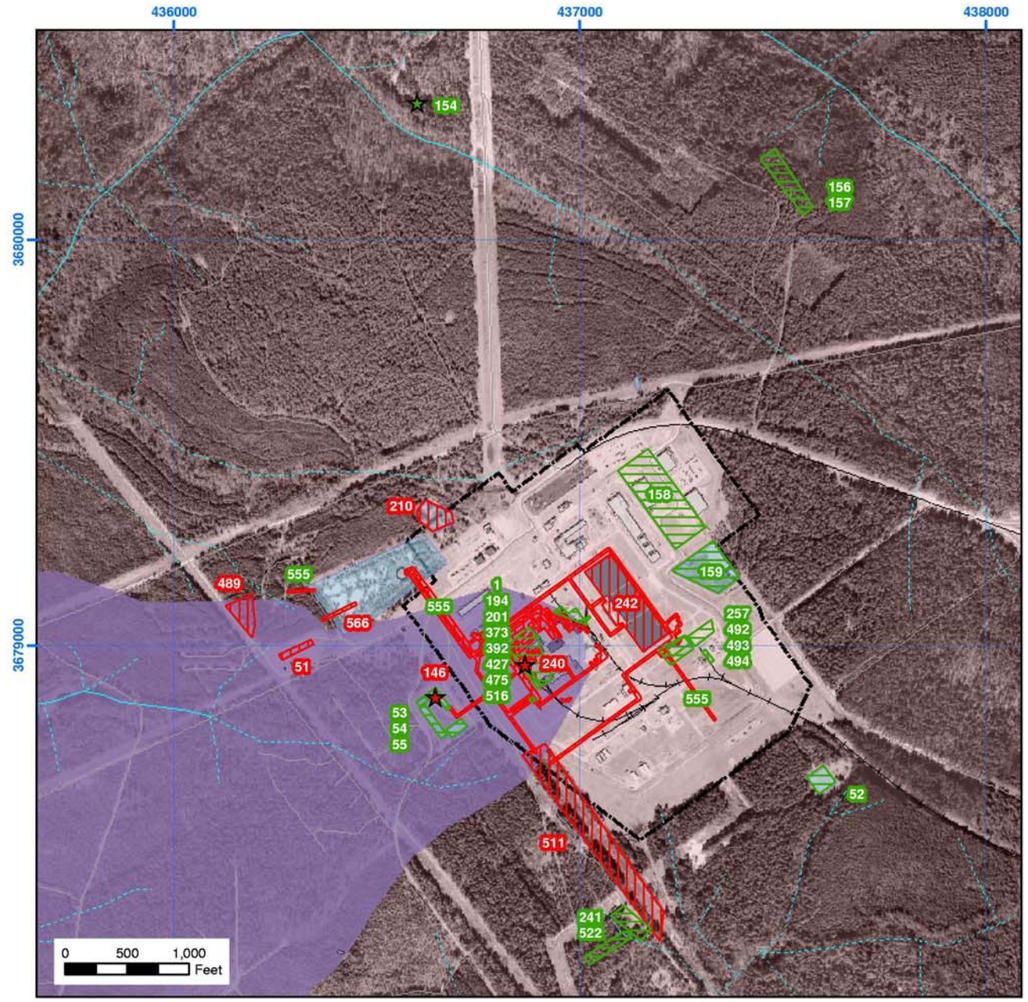


Figure 4.8b.2 B Area CSM for Savannah River and Floodplain Swamp

Fourmile Branch Watershed | **4.9a –C Area Hazard Map** | **Savannah River Site**





EM Facilities

1:6,000

Railroad Centerline, USGS 1:24000
Roads, SRS GPS Centerline
Primary
Secondary
Tertiary
Streams, USGS SRS
Intermittent
Perennial
Waterbodies, USGS
Stream-Perennial (Double)
Lake/Pond-Perennial
Lake/Pond-Intermittent
Canal-Intermittent (Double)
Marsh/Swamp
Marsh/Swamp –Wooded
Pits-Gravel/Borrow/Sand/Clay
Sewage Disposal/Filtration Plant
Industrial Water Impoundment
Basins, SRS Man-Made 1:1200
Carolina Bay –Distinct
Carolina Bay –Indistinct
Carolina Bay –Indistinct, Distrubed
Boundary, SRS Area
Boundary, SRS Facility Area
Buildings, Complete
Buildings, To Go (2004 –2006)
Buildings, To Go (2007 –2025)
Pads

March 26, 2004

Projection: Universal Tranverse Mercator
Datum: North American Datum 1927
Zone: 17
To place on the North American Datum 1983, move the projection lines 13 meters south and 15 meters west.

Aerial Photograph, 2001 False Color Infrared rendered grayscale.

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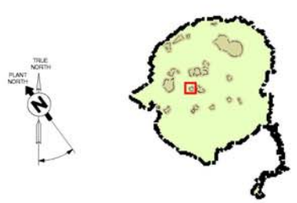
Waste Units

1:12,000



Waste Points
TO GO
COMPLETE
Waste Units
TO GO
COMPLETE
Boundary, SRS Facility Area
Buildings, SRS 1:1200
Roads, SRS GPS Centerline
Primary
Secondary
Tertiary
Railroad Centerline, USGS 1:24000
Streams, USGS SRS
Intermittent
Perennial
Carolina Bay –Distinct
Carolina Bay –Indistinct
Carolina Bay –Indistinct, Distrubed
Waterbodies, USGS
Stream-Perennial (Double)
Lake/Pond-Perennial
Lake/Pond-Intermittent
Canal-Intermittent (Double)
Marsh/Swamp
Marsh/Swamp –Wooded
Pits-Gravel/Borrow/Sand/Clay
Sewage Disposal/Filtration Plant
Industrial Water Impoundment
Basins, SRS Man-Made 1:1200
Groundwater Plumes
Watersheds
Fourmile Branch
Lower Three Runs
Pen Branch
Salkehatchie River
Savannah River / Floodplain / Swamp
Steel Creek
Upper Three Runs

4-9a_C.mxd

C Area

Fourmile Branch Watershed

Waste Units

Complete

To Go

1 Tank 105-C Hazardous Waste Management Facility
51 C-Area Burning/Rubble Pit, 131-C
52 C-Area Coal Pile Runoff Basin, 189-C
53 C-Area Reactor Seepage Basins, 904-066G
54 C-Area Reactor Seepage Basins, 904-067G
55 C-Area Reactor Seepage Basins, 904-068G
146 C-Area Reactor Groundwater
154 Abandoned Drums At Steam Line Road
156 C-Area Asbestos Pit, 080-21G
157 C-Area Asbestos Pit, 080-22G
158 C-Area Ash Pile, 188-1C
159 C-Area Ash Pile, 188-2C
194 Spill On 10/08/83 Of 800 Gal Of Low Level Water Near 105-C, Nbn
201 Spill On 05/08/75 Of 50 Gal Of Waste Water –Rad, Nbn
210 C-Area Ash Pile, 188-0C
240 C-Area Disassembly Basin, 105-C
241 C-Area Erosion Control Site, 131-1C
242 C-Area Reactor Cooling Water System, 186/190-C
257 Combined Spills From 183-2C, Nbn
373 Spill On 01/12/80 Of <5 Gal Of Waste Water –Rad, Nbn
392 Spill On 02/12/84 Of 200 Gal Of Tritiated Water In C-Area, Nbn
427 Spill On 05/23/75 Of 3 Gal Of Waste Water –Rad, Nbn
475 C-Area Reactor Area Cask Car Railroad Tracks As Abandoned, Nbn
489 C-Area Ash Pile Off Powerline Road, Nbn
492 Sandblast Area Cmc-001, Nbn
493 Sandblast Area Cmc-002, Nbn
494 Sandblast Area Cmc-003, Nbn
511 C-Area Reactor Discharge Canal, Nbn
516 Combined Spills From 105-C, 106-C, And 109-C, Nbn
522 Ecods C-1 (Near C-Area Reactor Discharge Canal)
555 C-Area Process Sewer Lines As Abandoned, Nbn
566 Old C-Area Burning/Rubble Pit, Nbn

EM Facilities

Unit No	Bldg No	Name
1006	105-C	REACTOR BUILDING
1011	107-C	COOLING WATER EFFLUENT SUMP
1015	108-1C	ENGINE HOUSE
1020	108-2C	ENGINE HOUSE
1029	151-1C	PRIMARY SUBSTATION (HIGH VOLT 115/13.8)
1034	151-2C	PRIMARY SUBSTATION (HIGH VOLT 115/13.8)
1039	152-7C	GENERATOR ROOM
1053	184-6C	STORAGE BUILDING
1060	186-C	COOLING WATER RESERVOIR
1065	190-C	COOLING WATER PUMP HOUSE
1433	501-C	FENCE & RD LIGHTING (INC REGU & TRANS)
1489	607-9C	AIR COMPRESSOR BUILDING
1493	614-2C	EFFLUENT MONITORING BUILDING
1589	701-1C	AREA GATEHOUSE & PATROL HQ
1601	701-2C	GATEHOUSE ENTRANCE AT BLDG 105
1614	702-1C	TELEPHONE EXCHANGE BUILDING
1617	702-C	TELEPHONE EXCHANGE BUILDING
1658	704-C	AREA ADM & SERVICES BUILDING
1670	705-1C	REACTOR ENGINEERING OFFICE BUILDING
1671	705-3C	REACTOR SUPPORT SERVICES BUILDING
1673	705-C	REACTOR TRAINING FACILITY
1680	706-C	OFFICE BUILDING
1689	707-C	REACTOR SIMULATOR TRAINING FACILITY
1726	711-C	MAINTENANCE MATERIAL STORAGE BUILDING
1785	717-C	CONTAMINATED MAINTENANCE FACILITY

2007 –2025 Note:

FY07 through FY25 is for planning purposes only. Detailed facility information for FY07 and beyond is contained in the SRS Environmental Management Integrated Deactivation and Decommissioning Plan, Rev. 1, September 2003.

March 26, 2004

4-9a_C_table.mxd

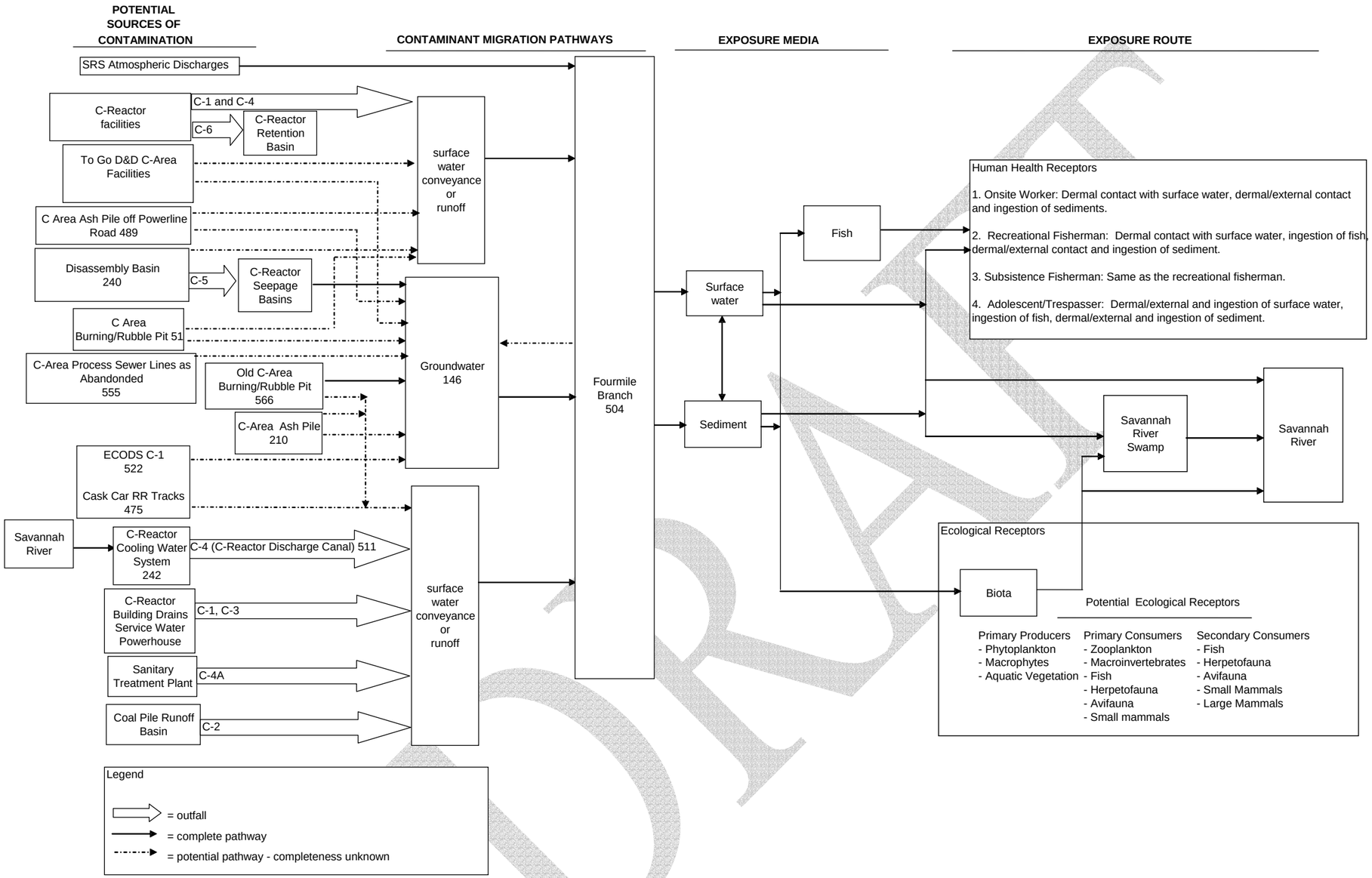


Figure 4.9b C-Area CSM for Fourmile Branch

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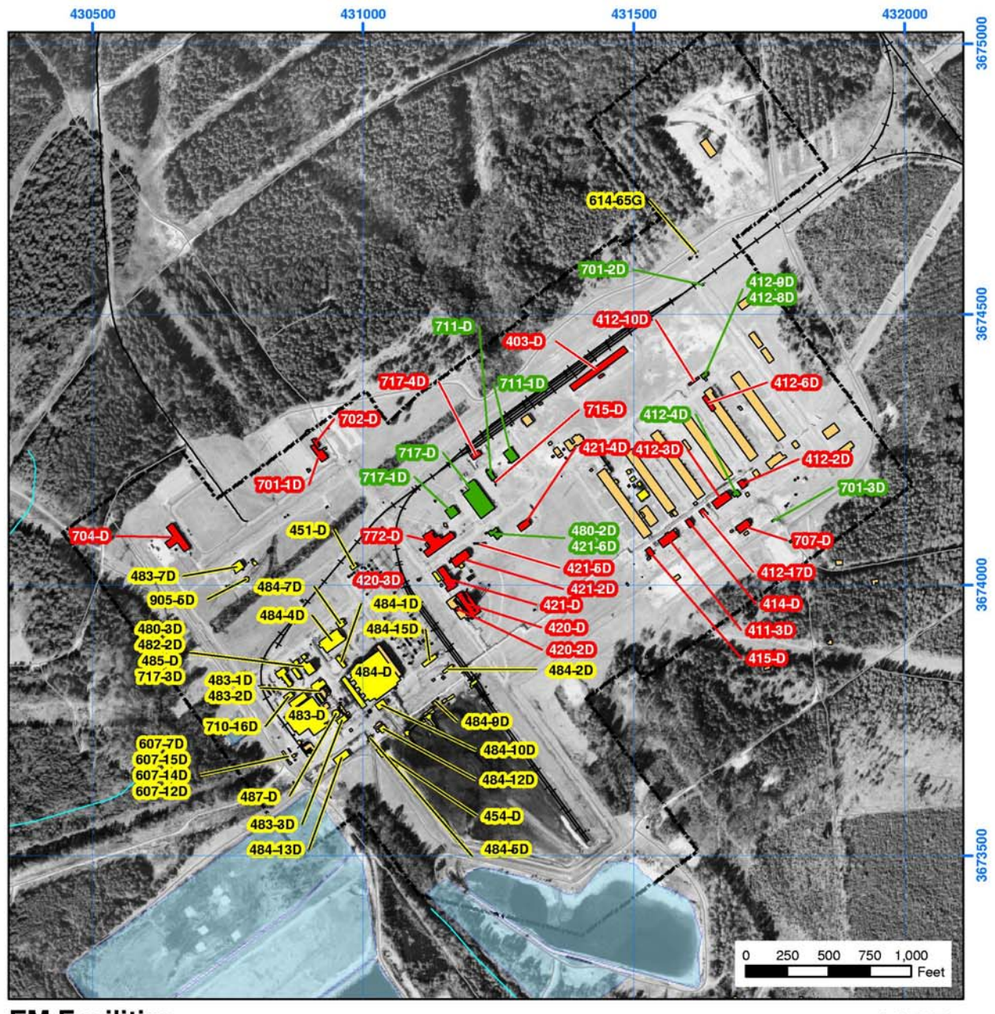
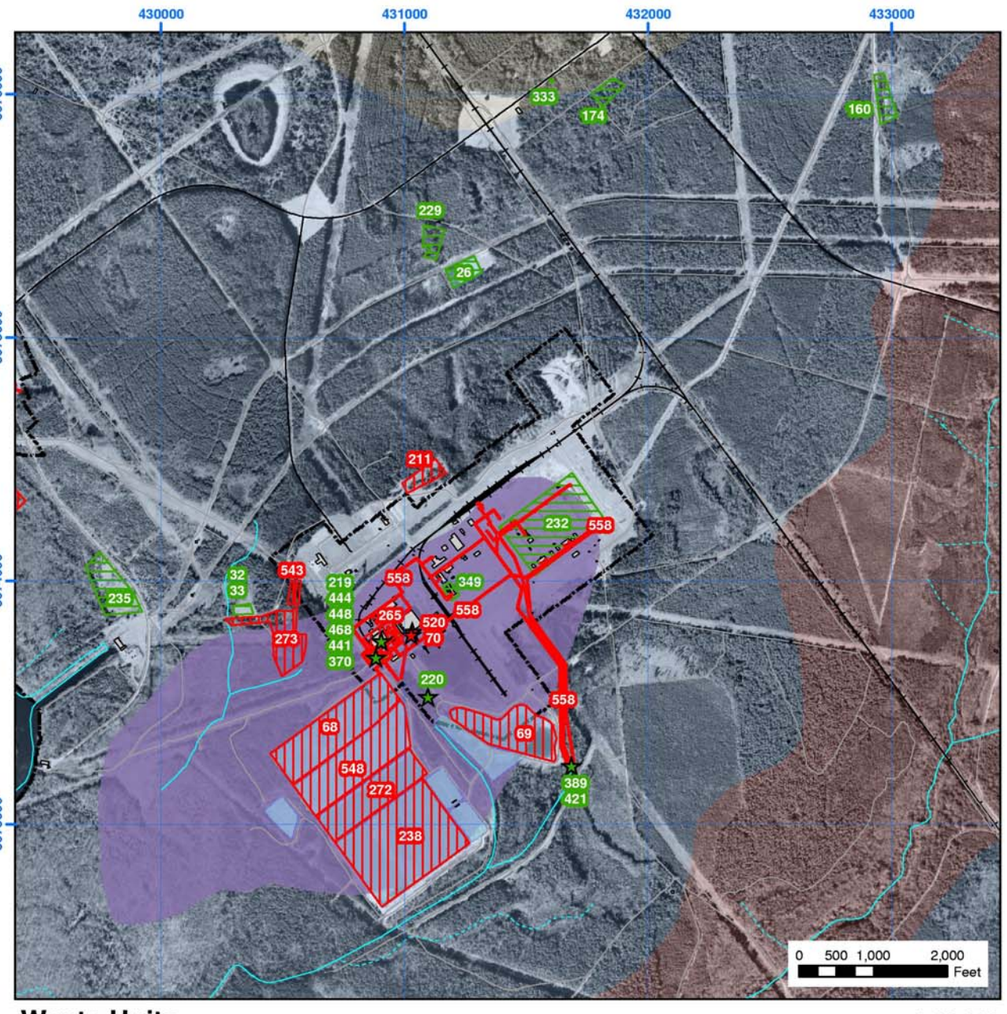
Savannah River Flood Plain / Swamp Watershed

4.10a –D Area Hazard Map

Savannah River Site



EM Facilities 1:9,000



Waste Units 1:20,000

Railroad Centerline, USGS 1:24000

Roads, SRS GPS Centerline
Primary
Secondary
Tertiary

Streams, USGS SRS
Intermittent
Perennial

Waterbodies, USGS
Stream-Perennial (Double)
Lake/Pond-Perennial
Lake/Pond-Intermittent
Canal-Intermittent (Double)
Marsh/Swamp
Marsh/Swamp –Wooded
Pits-Gravel/Borrow/Sand/Clay
Sewage Disposal/Filtration Plant
Industrial Water Impoundment
Basins, SRS Man-Made 1:1200

Carolina Bay –Distinct
Carolina Bay –Indistinct
Carolina Bay –Indistinct, Distrubed
Boundary, SRS Area
Boundary, SRS Facility Area
Buildings, Complete
Buildings, To Go (2004 –2006)
Buildings, To Go (2007 –2025)
Pads

Projection: Universal Tranverse Mercator
Datum: North American Datum 1927
Zone: 17
To place on the North American Datum 1983, move the projection lines 13 meters south and 15 meters west.

Aerial Photograph, 2001 False Color Infrared rendered grayscale.

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Waste Points
TO GO
COMPLETE

Waste Units
TO GO
COMPLETE
Boundary, SRS Facility Area

Roads, SRS GPS Centerline
Primary
Secondary
Tertiary
Railroad Centerline, USGS 1:24000

Streams, USGS SRS
Intermittent
Perennial
Carolina Bay –Distinct
Carolina Bay –Indistinct
Carolina Bay –Indistinct, Distrubed

Waterbodies, USGS
Stream-Perennial (Double)
Lake/Pond-Perennial
Lake/Pond-Intermittent
Canal-Intermittent (Double)
Marsh/Swamp
Marsh/Swamp –Wooded
Pits-Gravel/Borrow/Sand/Clay
Sewage Disposal/Filtration Plant
Industrial Water Impoundment

Basins, SRS Man-Made 1:1200
Groundwater Plumes

Watersheds
Fourmile Branch
Lower Three Runs
Pen Branch
Salkehatchie River
Savannah River / Floodplain / Swamp
Steel Creek
Upper Three Runs

March 26, 2004

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D Area

Savannah River Flood Plain / Swamp Watershed

Waste Units

Complete

To Go

26 D-Area Oil Seepage Basin, 631-G
32 D-Area Burning/Rubble Pits, 431-1D
33 D-Area Burning/Rubble Pits, 431-D
68 D-Area Ash Basin, 488-D
69 D-Area Coal Pile Runoff Basin, 489-D
70 D-Area Waste Oil Facility, 484-D
160 D-F Steamline Erosion Control Site, Nbn
174 Old Ellenton Rubble Pile, Nbn
211 D-Area Asbestos Pit, 080-20G
219 Sandblast Area Cmd-003, Nbn
220 Sandblast Area Cmd-001, Nbn
229 Unidentified Trash Pile, Nbn
232 412-D, 401-D, And 402-D Heavy Water Facility And Gas Plant (Asbestos Removal)
235 3G Pumphouse Erosion Control Site, 631-8G
238 D-Area Ash Basin, 488-1D
265 Combined Spills From 483-D And Associated Areas, Nbn
272 D-Area Ash Basin, 488-2D
273 D-Area Rubble Pit, 431-2D
333 Road 3 Foundation Rubble Pile, Nbn
349 Sandblast Area Cmd-002, Nbn
370 Spill On 01/01/86 Of 2 Gal Of 50% Sodium Hydroxide, Nbn
389 Spill On 12/02/81 Of 800 Lb Of Hydrogen Sulfide, Nbn
421 Spill On 05/12/81 Of 400 Lb Of Hydrogen Sulfide, Nbn
441 Spill On 06/03/86 Of 5 Gal Of Neutralization System Water, Nbn
444 Spill On 07/21/79 Of Unknown Amount Of Acid In D-Area, Nbn
448 Spill On 08/31/87 Of <100 Gal Of Bromocide Soln From 607-14D, Nbn
468 Sandblast Area Cmd-004, Nbn
520 D-Area Groundwater Operable Unit
543 Ecods D-1 (Near D-Area Rubble Pile, 431-2D)
548 D-Area Ash Basin, 488-4D
558 D-Area Process Sewer Lines As Abandoned, Nbn

EM Facilities

Unit No	Bldg No	Name
1395	411-3D	FIRE FIGHTING SIMLTOR BLDG (FOREXT OFFICE
1396	412-10D	TUBE BUNDLE CLEANING SHELTER
1397	412-17D	WEST SUBSTATION B
1398	412-2D	EAST SUBSTATION A
1399	412-3D	STORAGE BUILDNG
1400	412-4D	MASK MAINTENANCE BUILDING
1401	414-D	STORAGE BUILDING EAST
1402	415-D	STORAGE BUILDING WEST
1403	420-2D	REWORK HANDLING FACILITY
1404	420-D	CONCENTRATOR BUILDING
1405	421-2D	MODERATOR HANDLING AND STORAGE
1406	421-4D	DRUM STORAGE
1407	421-6D	HEAVY WATER EQUIPMENT STORAGE
1408	421-D	FINISHING BUILDING
1415	451-D	PRIMARY SUBSTATION (HIGH VOLTAGE 115 KV)
1416	454-D	DIESEL FUEL UNDERGROUND STORAGE TANK
1417	480-2D	MAINTENANCE MATL. STORAGE
1418	480-3D	MAINTENANCE FIELD OFFICE AND SHOP
1419	482-2D	MOTOR CONTROL CENTER
1420	483-1D	WATER FILTRATION AND TREATMENT PLANT
1421	483-2D	SOFTENER AND SILICA ABSORBER BLDG.
1422	483-3D	ELECTRICAL CONTROL BUILDING
1423	483-7D	CHEMICAL FEED SYSTEMS FOR DOMESTIC WATER
1424	483-D	SOFTENER BUILDING
1425	484-10D	OIL SHED BUILDING
1426	484-12D	STORAGE BUILDING
1427	484-13D	STORAGE BUILDING
1428	484-15D	STORAGE SHED
1429	484-4D	POWER MAINTENANCE FACILITY BUILDING
1430	484-9D	VALVE HOUSE
1431	484-D	POWERHOUSE
1432	485-D	COOLING TOWER
1444	607-15D	CHEMICAL FEED FACILITY
1590	701-1D	MAINTENANCE SUPPORT ADMINISTRATION BUILDING
1618	702-D	TELEPHONE EXCHANGE BUILDING
1659	704-D	AREA ADM. BLDG. & FIRST AID
1690	707-D	JANITORIAL SUBCONTRACT OFFICE
1705	710-16D	STORAGE BUILDING
1717	711-1D	STORAGE BUILDING
1727	711-D	T&T OFFICE AND STORAGE BUILDING
1771	717-1D	STORAGE AREA
1774	717-3D	WELDING SHOP
1786	717-D	SHOPS, STORES AND CHANGE HOUSE
1933	772-D	CONTROL LABORATORY AND SUPV.'S OFFICE

2007 –2025 Note:

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March 26, 2004

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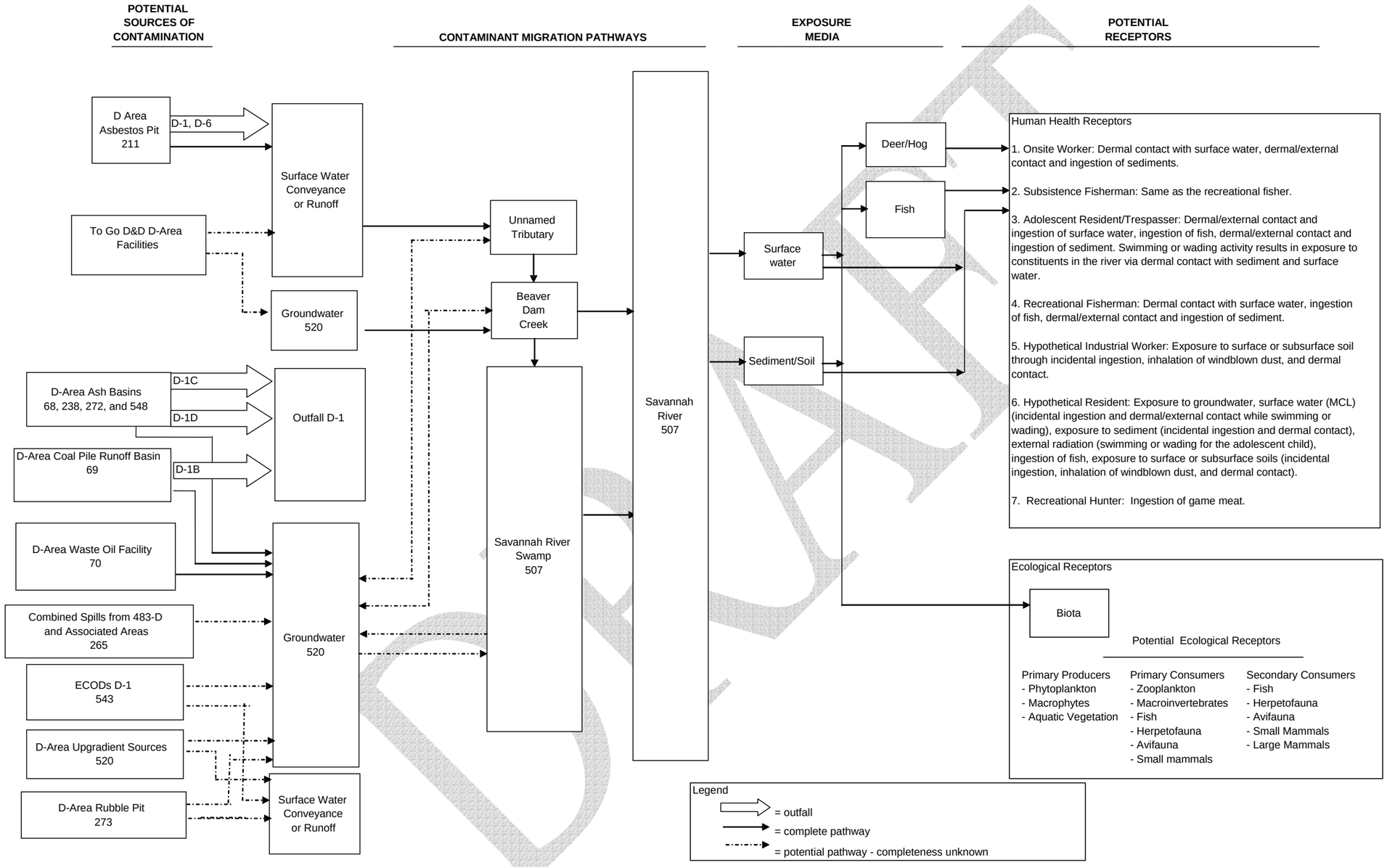

Figure 4.10b D Area CSM for Savannah River and Floodplain Swamp

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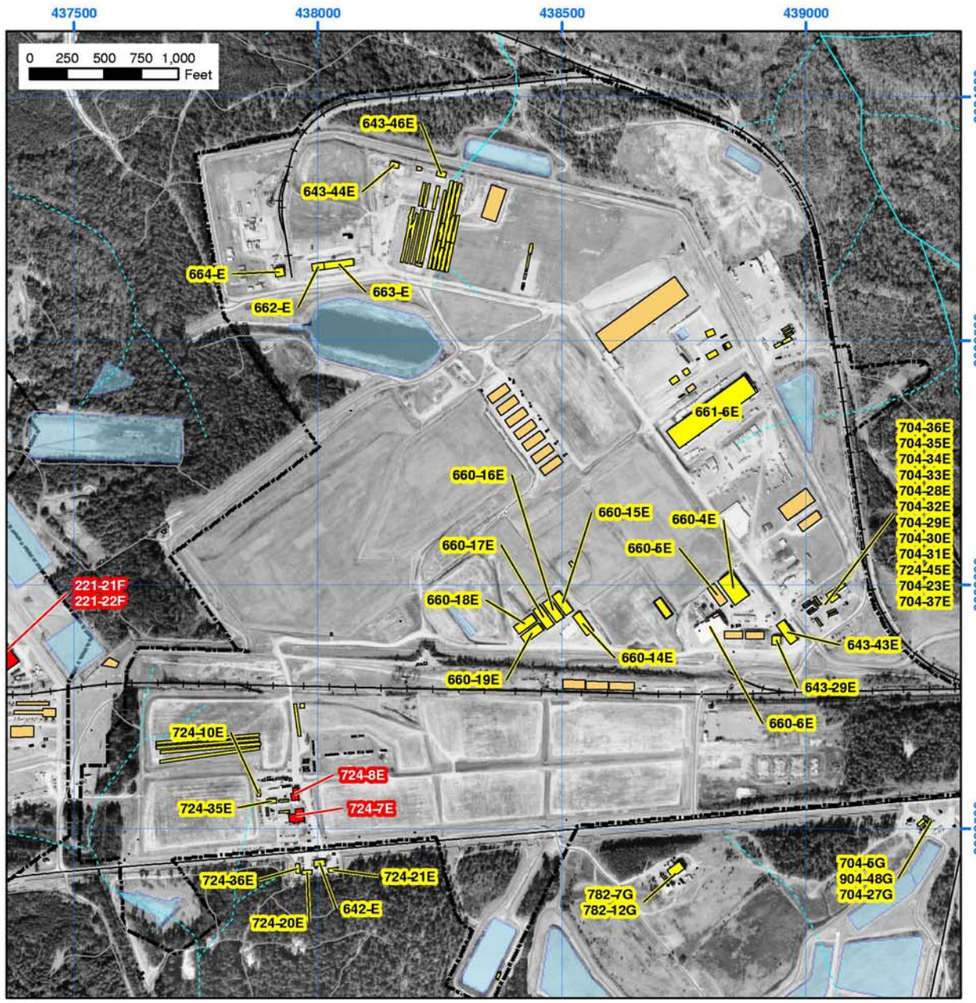
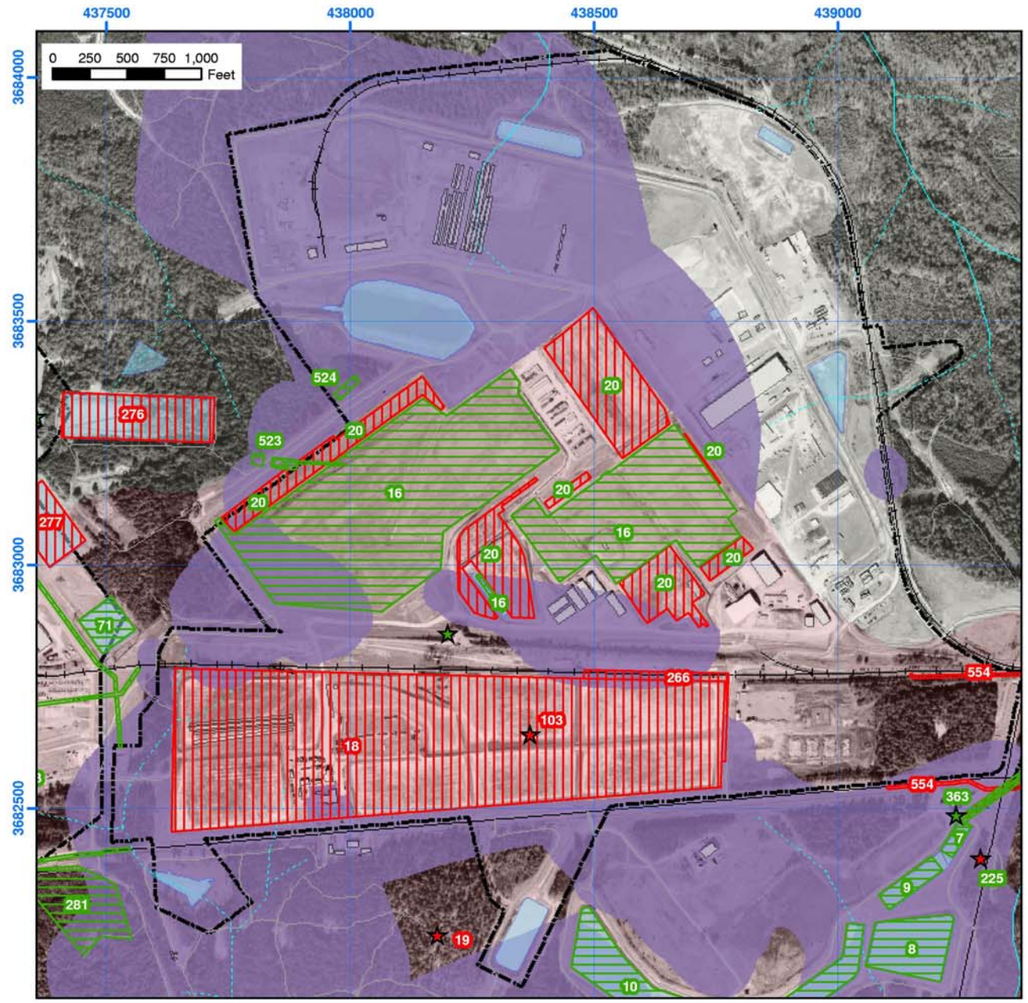
Fourmile Branch Watershed | **4.11a –E Area Hazard Map** | **Savannah River Site**



EM Facilities 1:10,000



Waste Units 1:10,000

Roads, SRS GPS Centerline
- Primary
- Secondary
- Tertiary
- Railroad Centerline, USGS 1:24000

Streams, USGS SRS
- Intermittent
- Perennial

Waterbodies, USGS
- Stream-Perennial (Double)
- Lake/Pond-Perennial
- Lake/Pond-Intermittent
- Canal-Intermittent (Double)
- Marsh/Swamp
- Marsh/Swamp –Wooded
- Pits-Gravel/Borrow/Sand/Clay
- Sewage Disposal/Filtration Plant
- Industrial Water Impoundment
- Basins, SRS Man-Made 1:1200

Carolina Bays, Depressional Wetlands
- Carolina Bay –Distinct
- Carolina Bay –Indistinct
- Carolina Bay –Indistinct, Distrubed
- Boundary, SRS Area
- Boundary, SRS Facility Area
- Buildings, Complete
- Buildings, To Go (2004 –2006)
- Buildings, To Go (2007 –2025)
- Pads

Projection: Universal Tranverse Mercator
Datum: North American Datum 1927
Zone: 17
To place on the North American Datum 1983, move the projection lines 13 meters south and 15 meters west.

Aerial Photograph, 2001 False Color Infrared rendered grayscale.

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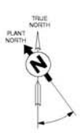

Waste Points
- TO GO
- COMPLETE

Waste Units
- TO GO
- COMPLETE
- Boundary, SRS Facility Area
- Buildings, SRS 1:1200

Roads, SRS GPS Centerline
- Primary
- Secondary
- Tertiary
- Railroad Centerline, USGS 1:24000

Streams, USGS SRS
- Intermittent
- Perennial
- Carolina Bay –Distinct
- Carolina Bay –Indistinct
- Carolina Bay –Indistinct, Distrubed

Waterbodies, USGS
- Stream-Perennial (Double)
- Lake/Pond-Perennial
- Lake/Pond-Intermittent
- Canal-Intermittent (Double)
- Marsh/Swamp
- Marsh/Swamp –Wooded
- Pits-Gravel/Borrow/Sand/Clay
- Sewage Disposal/Filtration Plant
- Industrial Water Impoundment

- Basins, SRS Man-Made 1:1200
- Groundwater Plumes

Watersheds
- Fourmile Branch
- Lower Three Runs
- Pen Branch
- Salkehatchie River
- Savannah River / Floodplain / Swamp
- Steel Creek
- Upper Three Runs

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4-11a_E.mxd

E Area

Fourmile Branch Watershed

Waste Units

Complete

To Go

2 F-Area Acid/Caustic Basin, 904-74G
7 H-Area Hazardous Waste Management Facility (H-Area Seepage Basin, 904-44G)
8 H-Area Hazardous Waste Management Facility (H-Area Seepage Basin, 904-46G)
9 H-Area Hazardous Waste Management Facility (H-Area Seepage Basin, 904-45G)
10 H-Area Hazardous Waste Management Facility (H-Area Seepage Basin, 904-56G)
16 Mixed Waste Management Facility (Including The Rcra Regulated Portions Of Llrwf 643-7E), 643-28E
18 Old Radioactive Waste Burial Ground (Including Solvent Tanks 650-01E-22E) 643-E
19 F & H-Area Hazardous Waste Management Facilities (Groundwater)
20 Low Level Radioactive Waste Disposal Facility (Non-Hazardous Waste Disposal Portion Of 643-7E), 643-7E
71 F-Area Coal Pile Runoff Basin, 289-F
73 F-Area Retention Basin, 281-3F
80 H-Area Hazardous Waste Management Facility (H-Area Inactive Process Sewer Line 081-H)
103 Mixed Waste Management Facility (Groundwater)
129 Spill On 05/24/84 Of 550 Gal Of Simulated Salt Solution, Pizzolith 122R In 643-7
225 Spill On 02/01/57 Of Unknown Of Seepage Basin Pipe Leak From 904-44G, Nbn
266 Combined Spills From 643-G, Nbn
276 F-Area Ash Basin, 288-0F
277 F-Area Ash Basin, 288-1F
281 F-Area Sanitary Sludge Land Application Site, Nbn
284 F-Area Acid/Caustic Basin (Groundwater)
363 Spill On 01/01/78 Of 50 Gal Of 50% Sodium Hydroxide, Nbn
523 Ecods F-1 (Southeast Of F-Area Ash Basin, 276-0F)
524 Ecods F-3 (East Of Ecod F-1)
554 H-Area Process Sewer Lines As Abandoned, Nbn
563 F-Area Process Sewer Lines As Abandoned, Nbn

EM Facilities

Unit No	Bldg No	Name
1520	641-E	HIGH POINT VALVE BOX
1522	642-E	ADMINISTRATIVE BUILDING
1523	643-29E	Mixed Waste Storage
1524	643-43E	MIXED WASTE STORAGE EXPANSION
1525	643-44E	STORAGE/WORK SPACE, MAINT, RIGGING, HEAVY EQUIP
1526	643-46E	STORAGE/WORK SPACE, MAINT, RIGGING, HEAVY EQUIP
1538	660-14E	TRU WASTE STORAGE PAD NO. 14
1539	660-15E	TRU WASTE STORAGE PAD NO. 15
1540	660-16E	TRU WASTE STORAGE PAD NO. 16
1541	660-17E	TRU WASTE STORAGE PAD NO. 17
1542	660-18E	TRU WASTE STORAGE PAD NO. 18
1543	660-19E	TRU WASTE STORAGE PAD NO. 19
1544	660-3E	TRU WASTE STORAGE PAD NO. 3
1545	660-4E	TRU WASTE STORAGE PAD NO. 4
1546	660-5E	TRU WASTE STORAGE PAD NO. 5
1547	660-6E	TRU WASTE STORAGE PAD NO. 6
1549	661-6E	LOW ACTIVITY WASTE VAULT
1551	662-E	ILT VAULT
1552	663-E	ILNT VAULT
1553	664-E	ASSOCIATED WASTE SHREDDER BUILDING
1817	724-10E	OFFICE/STORAGE BUILDING
1821	724-7E	BURYING GROUND ADMINISTRATION BUILDING
1822	724-8E	EXPERIMENTAL TRU WASTE ASSAY BUILDING

2007 –2025 Note:

FY07 through FY25 is for planning purposes only. Detailed facility information for FY07 and beyond is contained in the SRS Environmental Management Integrated Deactivation and Decommissioning Plan, Rev. 1, September 2003.

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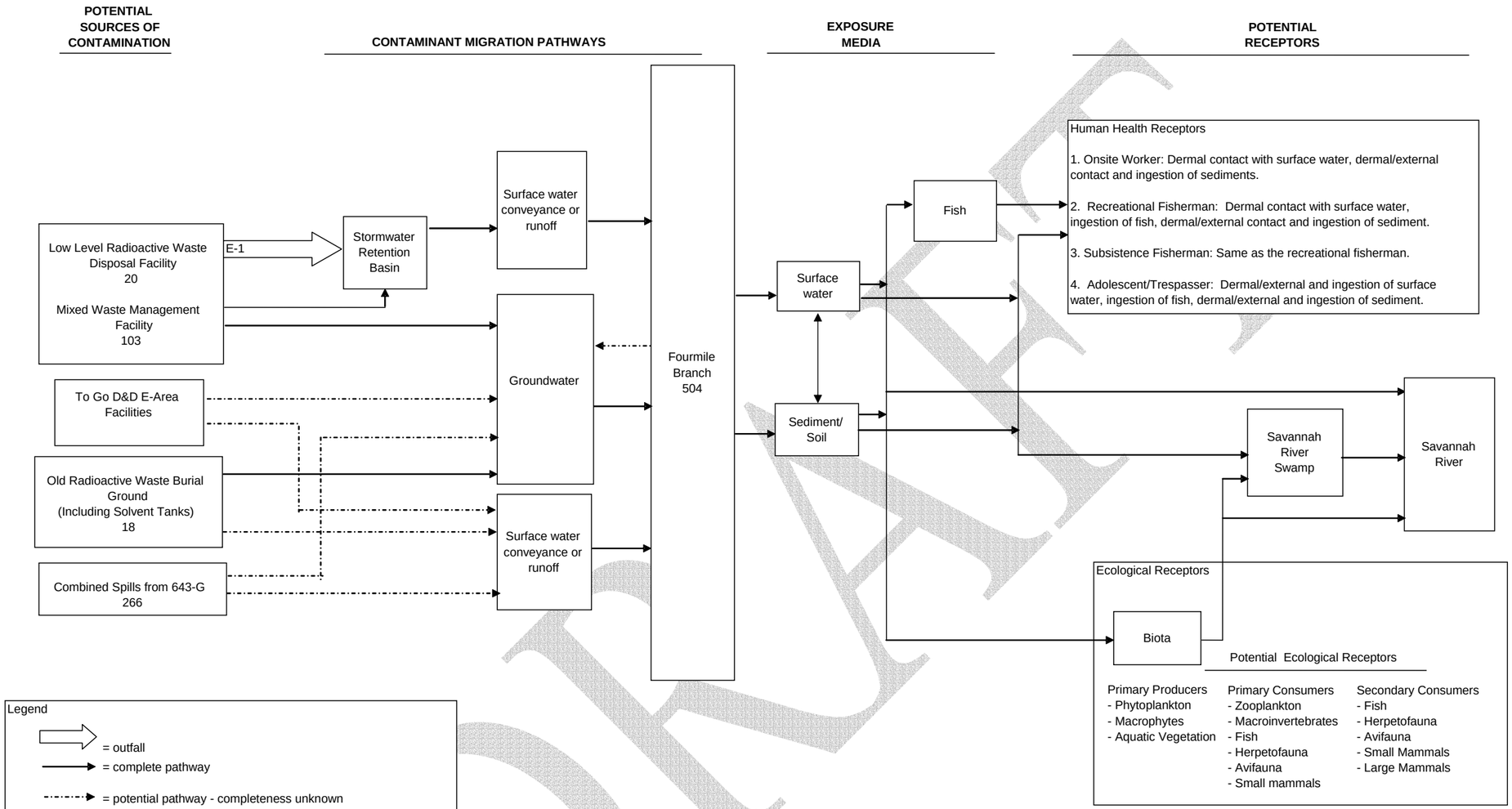

Figure 4.11b. E-Area CSM for Fourmile Branch

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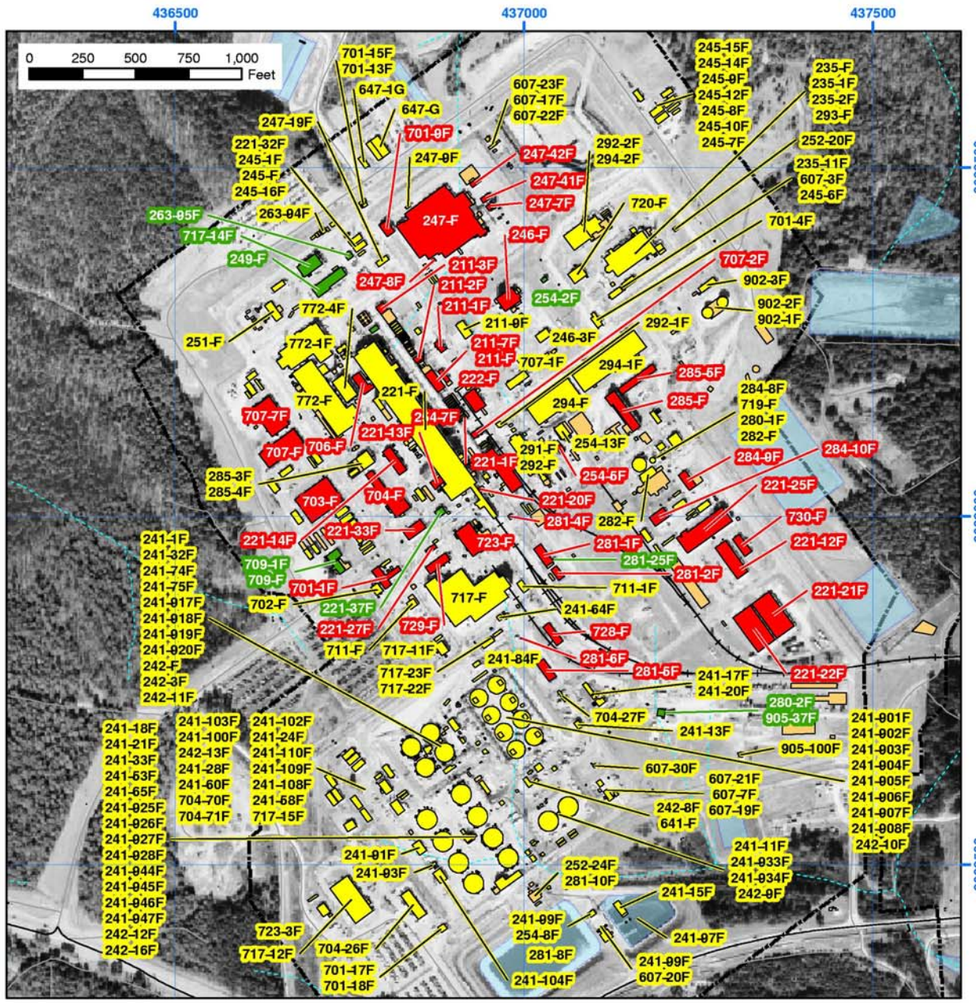
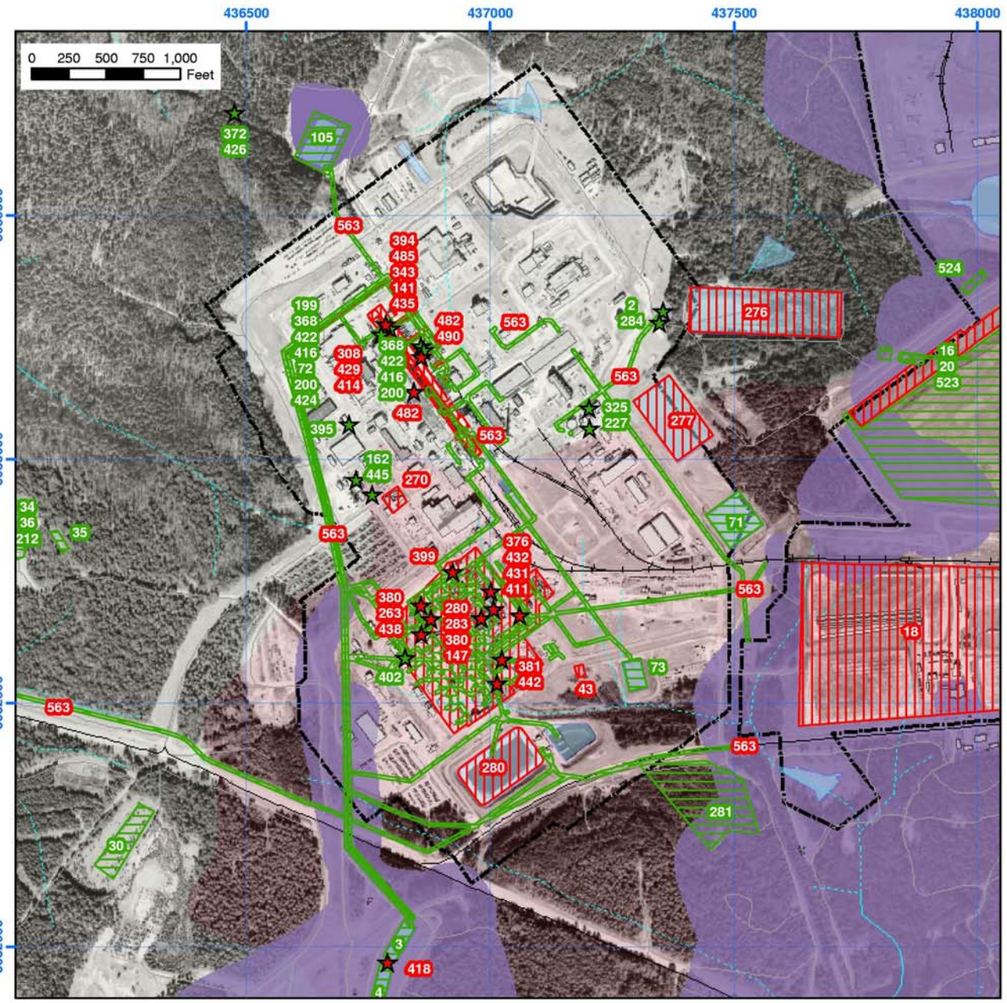
Fourmile Branch & Upper Three Runs Watersheds | **4.12a –F Area Hazard Map** | **Savannah River Site**





EM Facilities 1:7,000

Waste Units 1:10,000

Railroad Centerline, USGS 1:24000
Roads, SRS GPS Centerline
Primary
Secondary
Tertiary
Streams, USGS SRS
Intermittent
Perennial
Waterbodies, USGS
Stream-Perennial (Double)
Lake/Pond-Perennial
Lake/Pond-Intermittent
Canal-Intermittent (Double)
Marsh/Swamp
Marsh/Swamp –Wooded
Pits-Gravel/Borrow/Sand/Clay
Sewage Disposal/Filtration Plant
Industrial Water Impoundment
Basins, SRS Man-Made 1:1200
Carolina Bay –Distinct
Carolina Bay –Indistinct
Carolina Bay –Indistinct, Distrubed
Boundary, SRS Area
Boundary, SRS Facility Area
Buildings, Complete
Buildings, To Go (2004 –2006)
Buildings, To Go (2007 –2025)
Pads

March 26, 2004

Projection: Universal Tranverse Mercator
Datum: North American Datum 1927
Zone: 17
To place on the North American Datum 1983, move the projection lines 13 meters south and 15 meters west.

Aerial Photograph, 2001 False Color Infrared rendered grayscale.

TRUE NORTH
PLANT NORTH

Waste Points
TO GO
COMPLETE
Waste Units
TO GO
COMPLETE
Boundary, SRS Facility Area
Buildings, SRS 1:1200
Roads, SRS GPS Centerline
Primary
Secondary
Tertiary
Railroad Centerline, USGS 1:24000
Streams, USGS SRS
Intermittent
Perennial
Carolina Bay –Distinct
Carolina Bay –Indistinct
Carolina Bay –Indistinct, Distrubed
Waterbodies, USGS
Stream-Perennial (Double)
Lake/Pond-Perennial
Lake/Pond-Intermittent
Canal-Intermittent (Double)
Marsh/Swamp
Marsh/Swamp –Wooded
Pits-Gravel/Borrow/Sand/Clay
Sewage Disposal/Filtration Plant
Industrial Water Impoundment
Basins, SRS Man-Made 1:1200
Groundwater Plumes
Watersheds
Fourmile Branch
Lower Three Runs
Pen Branch
Salkehatchie River
Savannah River / Floodplain / Swamp
Steel Creek
Upper Three Runs

4-12a_F.mxd

F Area

Fourmile Branch & Upper Three Runs Watersheds

Waste Units

Complete

To Go

2 F-Area Acid/Caustic Basin, 904-74G
3 F-Area Hazardous Waste Management Facility (F-Area Seepage Basin, 904-41G)
4 F-Area Hazardous Waste Management Facility (F-Area Seepage Basin, 904-42G)
16 Mixed Waste Management Facility (Including The Rcra Regulated Portions Of Llrwf 643-7E), 643-28E
18 Old Radioactive Waste Burial Ground (Including Solvent Tanks 650-01E-22E) 643-E
20 Low Level Radioactive Waste Disposal Facility (Non-Hazardous Waste Disposal Portion Of 643-7E), 643-7E
30 Burma Road Rubble Pit, 231-4F
34 F-Area Burning/Rubble Pits, 231-1F
35 F-Area Burning/Rubble Pits, 231-2F
36 F-Area Burning/Rubble Pits, 231-F
43 211-Fb Pu-239 Release, 081-F
71 F-Area Coal Pile Runoff Basin, 289-F
72 F-Area Hazardous Waste Management Facility (F-Area Inactive Process Sewer Line 081-1F)
73 F-Area Retention Basin, 281-3F
105 Old F-Area Seepage Basin, 904-49G
141 F-Area Inactive Process Sewer Lines From Building To The Security Fence, 081-1F
147 F-Area Tank Farm Groundwater, Nbn
162 Fire Training Pit At 709-1F, Nbn
199 Spill On 04/15/87 Of 950 Gal Of Chromated Water From 772-F, Nbn
200 Spill On 05/01/57 Of 125 Ft2 Of Rad Liquid From Solvent Trailer, Nbn
212 F-Area Scrap Lumber Pile, 231-3F
227 Spill On 05/14/85 Of 1/2 Pint Of Mercury Near 284-F, Nbn
263 Combined Spills From 242-F, Nbn
270 Combined Spills From 701-1F Spill, Nbn
276 F-Area Ash Basin, 288-0F
277 F-Area Ash Basin, 288-1F
280 F-Area Retention Basin, 281-08F
281 F-Area Sanitary Sludge Land Application Site, Nbn
283 F-Area Tank Farm, 241-F
284 F-Area Acid/Caustic Basin (Groundwater)
308 Low Level Radioactive Drain Lines, 772-F
325 Potential Release Of Naoh/H2 So4 From 280-1F, Nbn
343 Sandblast Area Cmf-001, Nbn
368 Spill On 01/01/85 Of 15 Gal Of 6% Potassium Permanganate, Nbn
372 Spill On 01/01/87 Of Unknown Of Potassium Permanganate, Nbn
376 Spill On 01/19/83 Of 1000 Ft2 Of Radioactive Spill
380 Spill On 10/01/71 Of 100 Sq Ft Of Flush Water –Rad, Nbn
381 Spill On 10/16/81 Of 30 Gal Of Low Level Waste From Trailer, Nbn
394 Spill On 02/25/85 Of 20000 Cm Of Water Vapor –Rad, Nbn
395 Spill On 02/25/87 Of 2 Liter Of Sulfuric Acid Between 704-8F And 703-F Parking L
399 Spill On 03/01/66 Of 500 Sq Ft Of Flush Water –Rad, Nbn
402 Spill On 03/27/80 Of 3 Gal Of Nitric Acid, Nbn
411 Spill On 04/14/81 Of 3 Gal Of Contaminated Flush Water, Nbn
414 Spill On 04/24/91 Of .11 Ci Of Pu 239, 772-1F
416 Spill On 04/07/76 Of 200 Gal Of 50% Nitric Acid, Nbn
418 Spill On 05/01/71 Of Unknown Of Seepage Basin Pipe Leak, Nbn
422 Spill On 05/19/87 Of 1 Gal Of 50% Sodium Hydroxide, Nbn
424 Spill On 05/21/84 Of 20 Gal Of Sodium Hydroxide, Nbn
426 Spill On 05/22/86 Of 2 Gal Of 50% Sodium Hydroxide, Nbn
429 Spill On 05/26/88 Of 10 Gal Of Ethylene Glycol-Rad From 772-F, Nbn
431 Spill On 05/28/81 Of 9000 Gal Of Chromated Water, Nbn
432 Spill On 05/30/78 Of Unknown Of Sump Overflow, Nbn
435 Spill On 06/01/59 Of <1 Ci Of Segregated Solvent From 211-F, Nbn
438 Spill On 06/26/75 Of 250 Cu Ft Of Rad Contaminated Soil, Nbn
442 Spill On 06/06/79 Of <1 Gal Of Contaminated Liquid, Nbn
445 Spill On 07/05/88 Of 2 Pint Of 64% Nitric Acid In F-Area, Nbn
482 F-Area Canyon Groundwater, Nbn
485 Combined Spills From 221-F, Nbn
490 Spill On 04/57 Of Rad Liquid From Solvent Trailer, Nbn
523 Ecods F-1 (Southeast Of F-Area Ash Basin, 276-0F)
524 Ecods F-3 (East Of Ecod F-1)
563 F-Area Process Sewer Lines As Abandoned, Nbn

EM Facilities

Unit No	Bldg No	Name
1084	211-1F	CONTROL HOUSE
1086	211-2F	CONTROL AND CHECK HOUSE
1087	211-3F	WASTE TRUCK UNLOADING HOUSE
1088	211-7F	CHEMICAL HANDLING FACILITY
1091	211-9F	STORES DROP POINT
1093	211-F	CANYON AUXILIARIES
1095	221-12F	URANIUM OXIDE STORAGE
1096	221-13F	CONTROL AND ALARM CENTER
1097	221-14F	CONSTRUCTION LAYDOWN & B25 STORAGE BLDG
1101	221-1F	A -LINE
1103	221-20F	COMPRESSOR BUILDING
1104	221-21F	URANIUM OXIDE STORAGE BUILDING
1106	221-22F	STORAGE BUILDING
1107	221-25F	EQUIPMENT STORAGE FACILITY
1108	221-26F	STORAGE BUILDING
1109	221-27F	SEPARATIONS PLANNING & SCHEDULING BLDG.
1110	221-33F	MATERIAL ACCESS CENTER WAREHOUSE
1111	221-37F	CONSTRUCTION CHANGE FACILITY
1113	221-F	CANYON BUILDING
1116	222-F	COLD FEED PREP. AREA
1122	235-1F	REFRIGERATION BLDG. NO. 1
1123	235-2F	REFRIGERATION BLDG. NO. 2
1124	235-F	METALLURGICAL BUILDING
1129	241-104F	STORAGE/SUPPLY BUILDING
1132	241-11F	GANG VALVE HOUSE
1134	241-13F	WEST PUMPHOUSE
1139	241-17F	EAST PUMPHOUSE
1141	241-18F	CONTROL ROOM/MCC
1144	241-1F	CONTROL ROOM
1145	241-20F	COOLING TOWERS/PUMPHOUSE SER. 25-28,44-47
1148	241-21F	FDB-4 AND FPPs 2 AND 3
1159	241-28F	OFFICE/CHANGE ROOMS
1162	241-2F	FDB-1
1165	241-32F	FDB-6 DIVERSON BOX
1167	241-33F	FDB-5 DIVERSON BOX
1175	241-53F	AIR COMPRESSOR BUILDING
1179	241-58F	MAINTENANCE SHOP BUILDING
1181	241-62F	MCC BUILDING
1183	241-64F	AIR COMPRESSOR BLDG.
1185	241-65F	BREATHING AIR COMPRESSOR BLDG.
1188	241-74F	CONTROL ROOM/MCC
1190	241-75F	CESIUM REMOVAL CONTROL PUMP HOUSE
1195	241-84F	INTERIM RECORD STORAGE
1203	241-901F	WASTE STORAGE TANK
1204	241-902F	WASTE STORAGE TANK
1205	241-903F	WASTE STORAGE TANK
1206	241-904F	WASTE STORAGE TANK
1207	241-905F	WASTE STORAGE TANK
1208	241-906F	WASTE STORAGE TANK
1209	241-907F	WASTE STORAGE TANK
1210	241-908F	WASTE STORAGE TANK
1220	241-918F	WASTE STORAGE TANK
1221	241-919F	WASTE STORAGE TANK
1222	241-91F	WASTE CERTIFICATION BUILDING
1223	241-920F	WASTE STORAGE TANK
1307	241-926F	WASTE STORAGE TANK
1228	241-925F	WASTE STORAGE TANK
1229	241-926F	WASTE STORAGE TANK
1230	241-927F	WASTE STORAGE TANK
1231	241-928F	WASTE STORAGE TANK
1237	241-933F	WASTE STORAGE TANK
1238	241-934F	WASTE STORAGE TANK
1244	241-93F	ALARA STORAGE BUILDING
1249	241-944F	WASTE STORAGE TANK
1250	241-945F	WASTE STORAGE TANK
1251	241-946F	WASTE STORAGE TANK
1252	241-947F	WASTE STORAGE TANK
1258	241-97F	COOLING WATER BASIN
1260	241-99F	MCC BUILDING
1263	242-10F	RADCON TRAILER NEAR TANK 4
1264	242-11F	RADCON TRAILER NEAR 1F EVAPORATOR
1266	242-12F	RADCON TRAILER AND 2F EVAPORATOR
1267	242-16F	2F EVAPORATOR
1273	242-3F	CTS PIT
1274	242-8F	RADCON TRAILER NEAR FDB-2
1275	242-9F	RADCON TRAILER NEAR TANKS 33/34
1277	242-F	1F EVAPORATOR
1283	246-3F	BLEND CABINET STORAGE BLDG.
1284	246-F	EQUIPMENT TEST FACILITY
1285	247-41F	WAREHOUSE
1286	247-42F	WAREHOUSE
1287	247-7F	EC PROCESS BUILDING
1288	247-8F	COMPRESSED GAS STORAGE BUILDING
1289	247-F	MANUFACTURING BUILDING
1290	249-F	FAB SHOP
1294	251-F	PRIMARY SUBSTATION (HIGH VOLTAGE 115KV)
1297	252-24F	SECONDARY TRANSFORMER STATION FOR 241F
1298	252-46F	SUBSTATION NEXT TO 772-F
1299	252-68F	TRANSFORMER-1
1300	252-69F	TRANSFORMER - 2
1302	254-13F	DIESEL GENERATOR BUILDING
1305	254-2F	DIESEL GENERATOR FACILITY, 246-F
1306	254-5F	DIESEL HOUSE
1309	254-7F	DIESEL GENERATOR
1310	254-9F	DIESEL GENERATOR
1314	263-95F	STORAGE SHED
1316	280-1F	CHEMICAL FEED BUILDING
1318	280-2F	CHEMICAL FEED BUILDING
1319	281-10F	FILTER AND DEIONIZER FACILITY
1327	281-1F	RETURN WATER DELAYING BASIN
1329	281-25F	COOLING WATER ACTIVITIES MONITORING BLDG
1330	281-2F	RETURN WATER PUMPING BASIN
1332	281-4F	MONITORING HOUSE
1334	281-5F	SEGREGATED WATER DELAYING BASIN
1336	281-6F	MONITORING HOUSE
1338	281-8F	STORAGE BASIN, 4 MILLION GALLON, LINED
1340	282-F	RESERVOIR AND PUMP HOUSE
1342	284-10F	E&I SAFEGUARDS & SECURITY SHOP
1345	284-8F	POWER SERVICE BUILDING
1346	284-9F	STORAGE BUILDING
1349	285-3F	CHILLER BUILDING
1350	285-4F	COOLING TOWER NO. 1
1351	285-5F	COOLING TOWER
1352	285-F	COOLING TOWER
1354	291-F	CANYON STACK
1357	292-1F	VESSEL VENT FAN HOUSE
1359	292-2F	SAND FILTER FAN HOUSE
1362	292-F	CANYON EXHAUST FAN HOUSE
1365	293-F	METALLURGICAL BUILDING STACK
1366	294-1F	ADDITIONAL CANYON SAND FILTER
1368	294-2F	SAND FILTER FOR 235-F
1369	294-F	CANYON EXHAUST FILTERS
1448	607-19F	CHEMICAL FEED FACILITY
1451	607-20F	LIFT STATION
1457	607-29F	NAVAL FUEL PUMP STA FOR WASTEWATER TREATMNT FAC
1459	607-30F	F AREA PUMP STA WSTWTR TRTMNT FAC
1521	641-F	INTER TRANS LINES DVRBOX/PUMP PIT (FDB-2)
1591	701-1F	PARTOL HEADQUARTERS
1598	701-22F	GUARDHOUSE
1599	701-23F	GUARDHOUSE
1608	701-4F	GATEHOUSE ENTRANCE TO 235-F
1612	701-9F	GATEHOUSE
1619	702-F	TELEPHONE EXCHANGE BUILDING
1642	703-F	SEPARATIONS SUPPORT BUILDING
1648	704-26F	TEMP ADMINISTRATION BLDG
1660	704-F	AREA ADMIN AND SER. BLDG.
1681	706-F	PROJECT OFFICE BUILDING
1685	707-1F	A-LINE CHANGE HOUSE
1686	707-2F	REGULATED SHOPS
1687	707-7F	GENERAL ADMINISTRATIVE FACILITY
1691	707-F	SEPARATIONS SUPPORT SERVICES
1696	709-1F	FIRE PROTECTION EQUIPMENT BUILDING
1700	709-F	FIRE STATION #2
1718	711-1F	PIPE SHOP
1728	711-F	STEEL & PIPE STORAGE BUILDING
1761	717-11F	OFFICE BUILDING
1764	717-12F	CRAFT BLDG/STORAGE 235-F
1768	717-14F	CONST CRAFT MATERIAL STORAGE BLDG
1787	717-F	AREA SHOPS
1798	720-F	CENTRAL ALARM STATION (CAS)
1811	723-3F	CONSTRUCTION LAUNDRY ROOM
1815	723-F	LAUNDRY
1831	728-F	URANIUM OXIDE STORAGE
1833	729-F	RESPIRATOR FIT TEST TRAILER
1839	730-F	STORAGE BUILDING
1925	772-1F	PRODUCTION CONTROL FACILITY
1928	772-4F	LAB HEPA FILTRATION BLDG
1934	772-F	CONTROL LABORATORY
1992	902-3F	FIRE WATER PUMP HOUSE
2000	905-100F	WASTE TANK PROCESS WATER WELL SW 284-F
2001	905-37F	WELL, NORTH OF 282-7F (ABANDONED)

2007 –2025 Note:

FY07 through FY25 is for planning purposes only. Detailed facility information for FY07 and beyond is contained in the SRS Environmental Management Integrated Deactivation and Decommissioning Plan, Rev. 1, September 2003.

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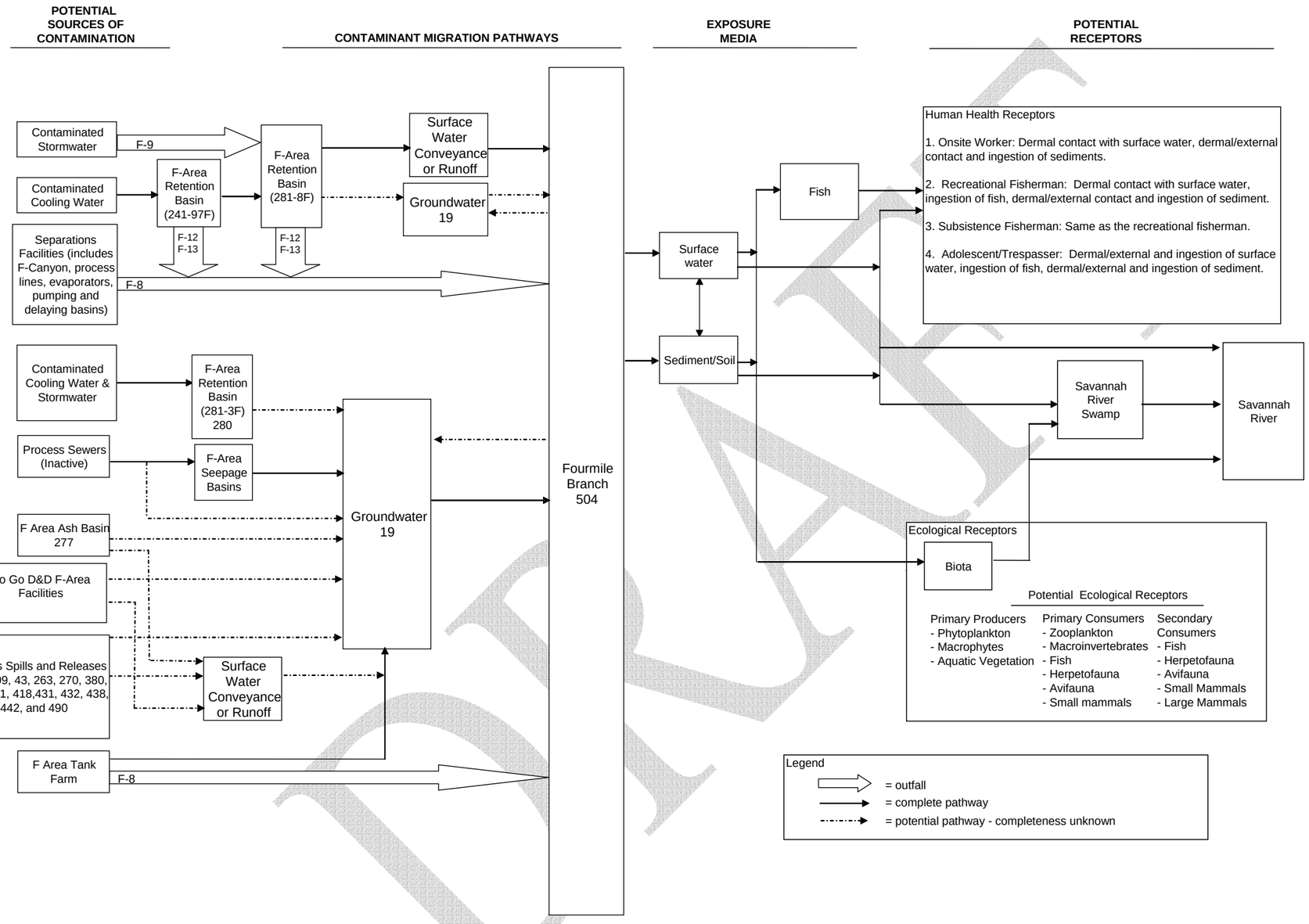


Figure 4.12b.1. F-Area CSM for Foumile Branch

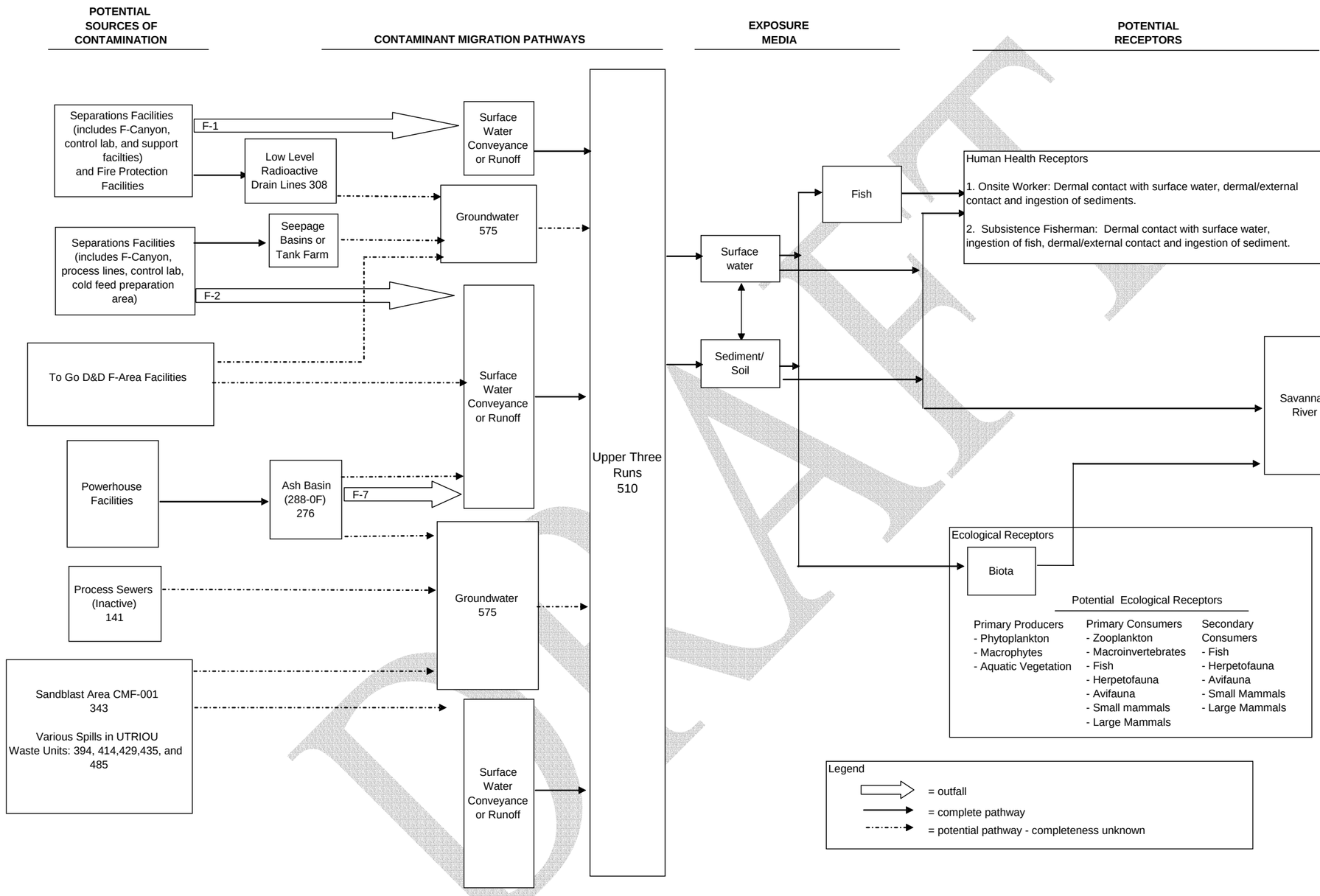
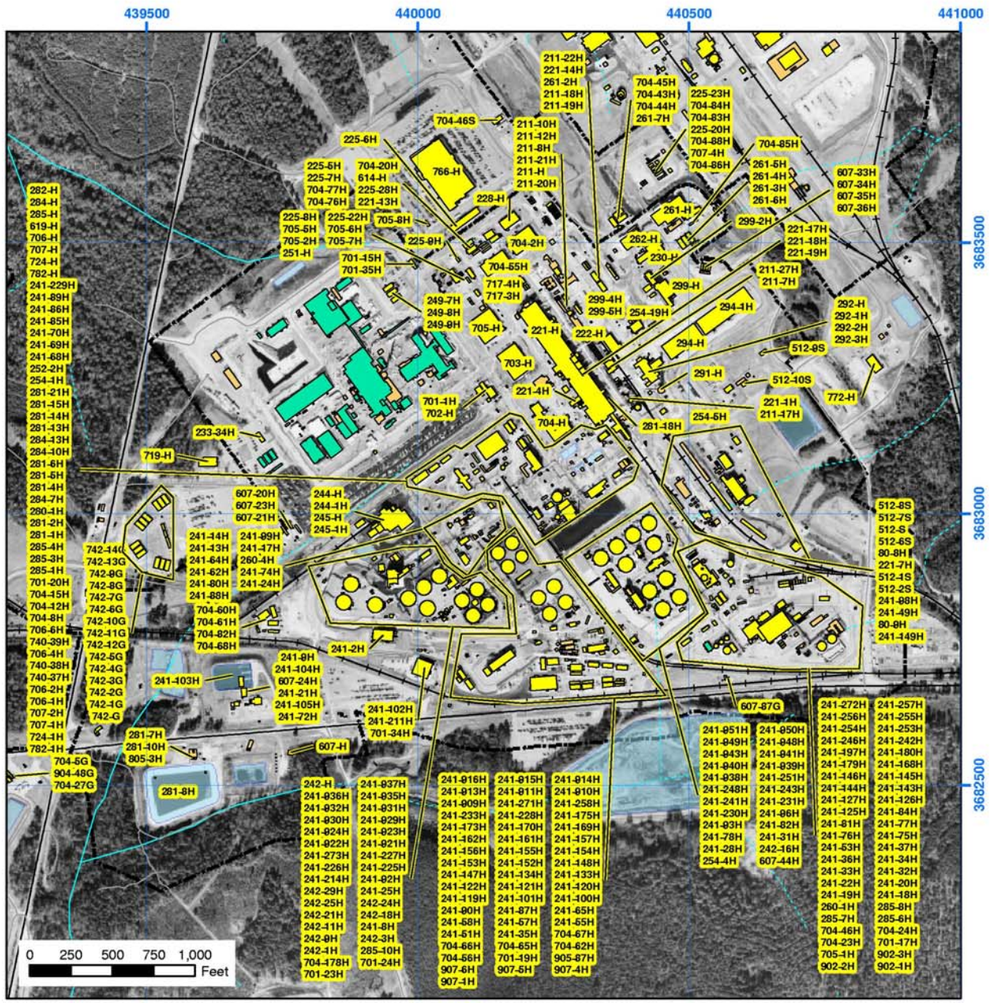
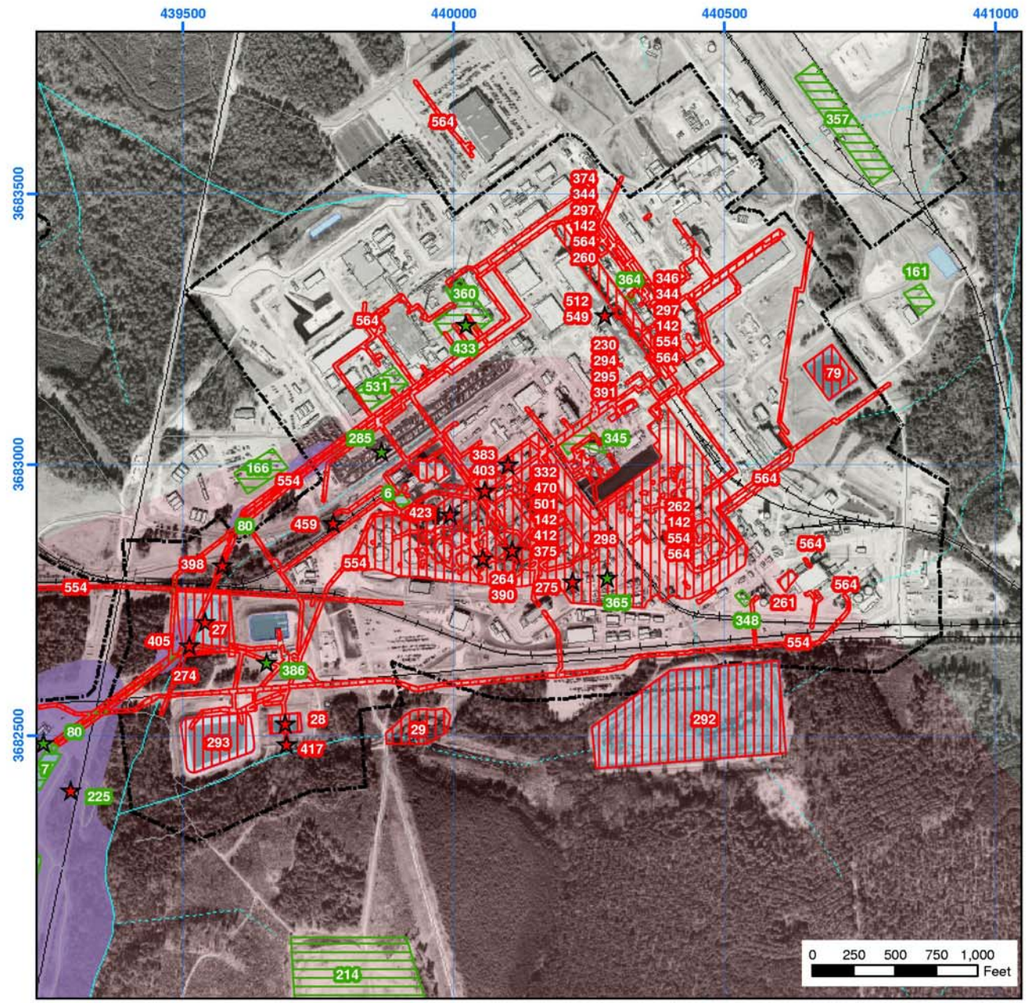


Figure 4.12b.2. F-Area CSM for Upper Three Runs

Fourmile Branch & Upper Three Runs Watersheds | **4.13a –H Area Hazard Map** | **Savannah River Site**



EM Facilities 1:9,000



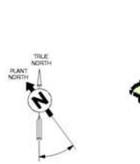
Waste Units 1:9,000

Railroad Centerline, USGS 1:24000
Roads, SRS GPS Centerline
Primary
Secondary
Tertiary
Streams, USGS SRS
Intermittent
Perennial
Waterbodies, USGS
Stream-Perennial (Double)
Lake/Pond-Perennial
Lake/Pond-Intermittent
Canal-Intermittent (Double)
Marsh/Swamp
Marsh/Swamp –Wooded
Pits-Gravel/Borrow/Sand/Clay
Sewage Disposal/Filtration Plant
Industrial Water Impoundment
Basins, SRS Man-Made 1:1200
Carolina Bay –Distinct
Carolina Bay –Indistinct
Carolina Bay –Indistinct, Distrubed
Boundary, SRS Area
Boundary, SRS Facility Area
Buildings, Complete
Buildings, To Go (2004 –2006)
Buildings, To Go (2007 –2025)
Buildings, NNSA
Pads

Projection: Universal Tranverse Mercator
Datum: North American Datum 1983
Zone: 17
To place on the North American Datum 1983, move the projection lines 13 meters south and 15 meters west.

Aerial Photograph, 2001 False Color Infrared rendered grayscale.

Disclaimer:This product was prepared as an account of work sponsored by an agency of the United States Government. Neither the United States Government nor any agency thereof, nor any of their employees, makes any warranty, express or implied.



Waste Points
TO GO
COMPLETE
Waste Units
TO GO
COMPLETE
Boundary, SRS Facility Area
Buildings, SRS 1:1200
Roads, SRS GPS Centerline
Primary
Secondary
Tertiary
Railroad Centerline, USGS 1:24000
Streams, USGS SRS
Intermittent
Perennial
Carolina Bay –Distinct
Carolina Bay –Indistinct
Carolina Bay –Indistinct, Distrubed
Waterbodies, USGS
Stream-Perennial (Double)
Lake/Pond-Perennial
Lake/Pond-Intermittent
Canal-Intermittent (Double)
Marsh/Swamp
Marsh/Swamp –Wooded
Pits-Gravel/Borrow/Sand/Clay
Sewage Disposal/Filtration Plant
Industrial Water Impoundment
Basins, SRS Man-Made 1:1200
Groundwater Plumes
Watersheds
Fourmile Branch
Lower Three Runs
Pen Branch
Salkehatchie River
Savannah River / Floodplain / Swamp
Steel Creek
Upper Three Runs

March 26, 2004

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H Area

Fourmile Branch & Upper Three Runs Watersheds

Waste Units

Complete

To Go

6 H-Area Acid/Caustic Basin, 904-75G
7 H-Area Hazardous Waste Management Facility (H-Area Seepage Basin, 904-44G)
27 Warner'S Pond, 685-23G
28 H-Area Retention Basin, 281-3H
29 Hp-52 Ponds, Nbn
79 H-Area Coal Pile Runoff Basin, 289-H
80 H-Area Hazardous Waste Management Facility (H-Area Inactive Process Sewer Line 081-H)
142 H-Area Inactive Process Sewer Lines From Building To The Security Fence, 081-H
161 Dwpf Concrete Batch Plant, Nbn
166 H-Area Burning Pit, Nbn
214 H-Area Erosion Control Site, 080-25G
225 Spill On 02/01/57 Of Unknown Of Seepage Basin Pipe Leak From 904-44G, Nbn
260 Combined Spills From 211-H, Nbn
261 Combined Spills From 241-84H, Nbn
262 Combined Spills From 241-H, Nbn
264 Combined Spills From 242-H, Nbn
274 Ditch To Outfall H-13 (Tributary To Fourmile Creek), Nbn
275 Diversion Box –Radioactivity From 907-1H, Nbn
285 H-Area Acid/Caustic Basin (Groundwater)
292 H-Area Ash Basin, 288-0H
293 H-Area Retention Basin (Including The Former 281-7H Basin), 281-08H
294 H-Area Retention Basin, 281-1H
295 H-Area Retention Basin, 281-2H
298 H-Area Tank Farm, 241-H
332 Spill On 10/07/85 Of 20,000 Gallons Of Contaminated Water From 244-H, Nbn
339 S-Area Erosion Control Site, Nbn
344 Sandblast Area Cmh-001, Nbn
345 Sandblast Area Cmh-003, Nbn
346 Sandblast Area Cmh-002, Nbn
348 Sandblast Area Cmh-004, Nbn
357 Sandblast Area Cms-001, Nbn
360 Spill Of <1/2 Lb Mercury In Bldg. 232-H, Nbn
364 Spill On 01/01/78 Of 600 Lb Of 50% Sodium Hydroxide, Nbn
365 Spill On 01/01/80 Of 5600 Lb Of 50% Nitric Acid, Nbn
374 Spill On 01/12/87 Of <100 Gm Of Mercury North Of 211-H, Nbn
375 Spill On 01/19/80 Of Unknown Of Chromated Water From H-Area Pump House, Nbn
383 Spill On 11/10/81 Of 500 Gal Of Chromated Water From 243-H, Nbn
386 Spill On 11/24/89 Of 10 Mcl Of Cs –137 From 254-8H, Nbn
390 Spill On 02/01/69 Of Unknown Of Waste Tank Spill, Nbn
398 Spill On 02/08/78 Of Unknown Of H-Area Process Sewer Line Cave-In, Nbn
403 Spill On 03/28/87 Of <15000 Gal Of Chromated Water From 241-24H, Nbn
405 Spill On 03/08/78 Of Unknown Of Seepage Basin Pipe Leak In H-Area Seepage Basin
412 Spill On 04/18/80 Of Unknown Of Chromated Water From Valve House 3, Nbn
417 Spill On 05/01/56 Of Unknown Of Retention Basin Pipe Leak, Nbn
423 Spill On 05/02/85 Of 10 Gal Of Cooling Water From Tank Farm, Nbn
433 Spill On 05/04/87 Of 30 Gal Of Caustic From 295-H, Nbn
459 Stormwater Outfall H-013, Nbn
512 Combined Spills From 221-H, Nbn
531 Ecods H-1 (West Of Main H-Area Facilities)
554 H-Area Process Sewer Lines As Abandoned, Nbn
564 H-Area Process Sewer Lines As Abandoned, Nbn

EM Facilities

Unit No	Bldg No	Name
1082	211-10H	MCC NO. 2
1083	211-17H	15K GAL UNH STORAGE TK ELECT CONTROL RM
1085	211-27H	LEU LOADING STATION
1089	211-7H	CHEMICAL STORAGE BUILDING
1090	211-8H	CONTROL ROOM
1092	211-9H	MCC NO. 1
1094	211-H	CANYON AUXILIARIES
1096	221-17H	STORAGE BUILDING
1099	221-18H	STORAGE BUILDING
1100	221-19H	STORAGE BUILDING
1102	221-1H	A LINE
1105	221-21H	B-LINE STORAGE BUILDING
1112	221-4H	DECONTAMINATION CELL MAINTENANCE FAC
1114	221-H	CANYON BUILDING
1117	222-H	COLD FEED PREPARATION FACILITY
1118	224-H	MERCURY STORAGE BUILDING
1119	225-6H	WAREHOUSE
1120	228-H	SAFEGUARDS & HP SHOP
1121	230-H	DEMONSTRATION WASTE INCINERATOR
1125	241-100H	HDB8 FACILITY
1126	241-101H	HDB8 HVAC BLDG. FILTER BLDG.
1127	241-102H	OFFICE/WAREHOUSE
1128	241-103H	COOLING WATER BASIN
1130	241-104H	INFLUENT PUMP STATION
1131	241-105H	MCC BUILDING
1133	241-125H	FIRE WATER PUMP HOUSE
1135	241-13H	WEST PUMP HOUSE
1136	241-146H	FIRE SUPPRESSION FOAM HOUSE
1137	241-149H	ETF STORAGE BUILDING
1138	241-14H	EAST PUMP HOUSE
1140	241-17H	BREATHING AIR COMPRESSOR BLDG.
1142	241-18H	TREATED WATER STORAGE TANK
1143	241-19H	TREATED WATER STORAGE TANK
1146	241-20H	TREATED WATER STORAGE TANK
1147	241-214H	DCS I/O STATION
1149	241-224H	RBA ENTRANCE SHACK TO TKS 9–12
1150	241-227H	RBA ENTRANCE SHACK TO TANKS 29-32 AND 35-37
1151	241-228H	RBA ENTRANCE SHACK TO TANKS 13-16
1152	241-229H	RBA ENTRANCE SHACK TO PUMP PIT 5 & 6
1153	241-242H	EPVE STORAGE BUILDING
1154	241-243H	NITROGEN STORAGE FACILITY
1155	241-25H	PORTABLE GANG VALVE HOUSE
1156	241-270H	STORM WATER DIVERSION BOX
1157	241-271H	STORM WATER DIVERSION BOX
1158	241-27H	DIVERSION BOX
1160	241-28H	2H CONTROL ROOM & OFFICE BUILDING
1161	241-29H	COOLING TOWER FOR EVAP #2
1163	241-2H	3H CONTROL ROOM & OFFICE BUILDING
1164	241-31H	DB#7 AND GANG VALVE HOUSE
1166	241-32H	COLD FEEDS AREA
1168	241-34H	IX/RO/EVAPORATOR OH TANK CONTAINMENT
1169	241-35H	HDB-2
1170	241-36H	EVAPORATOR CONDENSER TANK CONTAINMENT
1171	241-37H	EVAPORATOR FEED TANK
1172	241-3H	HDB-3
1173	241-49H	FAR EAST PUMP HOUSE
1174	241-62H	DIVERSION BOX DB#5
1176	241-63H	HVAC HEPA CONTAINMENT
1177	241-66H	HDB-6
1178	241-67H	LAUNDRY BUILDING
1180	241-68H	MAINTENANCE AND E & I SHOP
1182	241-62H	MOTOR CONTROL CENTER
1184	241-64H	PROCESS AIR COMPRESSOR BUILDING
1186	241-65H	MAINTENANCE OFFICE BUILDING
1187	241-70H	PROCESS PUMP PIT FOR NEW WASTE HEADER
1189	241-74H	CONTROL ROOM & MCC BUILDING
1191	241-75H	WASTEWATER COLLECTION TANK CONTAINMENT
1192	241-76H	MERCURY REMOVAL AND CARBON TANK AREA
1193	241-81H	TREATMENT BUILDING
1194	241-82H	ITP CONTROL ROOM
1196	241-84H	CONTROL BUILDING
1197	241-85H	PERSONNEL MONITOR BUILDING NORTH GATE
1198	241-86H	PERSONNEL MONITOR BUILDING A
1199	241-87H	PERSONNEL MONITOR BLDG. NW OF 241-68H
1200	241-88H	EQUIPMENT STORAGE
1201	241-89H	STORAGE & SUPPLY BUILDING
1202	241-8H	DIVERSION BOX 4 AND GANG VALVE HOUSE
1211	241-909H	WASTE STORAGE TANK
1212	241-90H	STORAGE & SUPPLY BUILDING
1213	241-910H	WASTE STORAGE TANK
1214	241-911H	WASTE STORAGE TANK
1215	241-912H	WASTE STORAGE TANK
1216	241-913H	WASTE STORAGE TANK
1217	241-914H	WASTE STORAGE TANK
1218	241-915H	WASTE STORAGE TANK
1219	241-916H	WASTE STORAGE TANK
1224	241-921H	WASTE STORAGE TANK
1225	241-922H	WASTE STORAGE TANK
1226	241-923H	WASTE STORAGE TANK
1227	241-924H	WASTE STORAGE TANK
1232	241-929H	WASTE STORAGE TANK
1233	241-92H	STORAGE & SUPPLY BUILDING
1234	241-930H	WASTE STORAGE TANK
1235	241-931H	WASTE STORAGE TANK
1236	241-932H	WASTE STORAGE TANK
1239	241-935H	WASTE STORAGE TANK
1240	241-936H	WASTE STORAGE TANK
1241	241-937H	WASTE STORAGE TANK
1242	241-938H	WASTE STORAGE TANK
1243	241-939H	WASTE STORAGE TANK
1245	241-940H	WASTE STORAGE TANK
1246	241-941H	WASTE STORAGE TANK
1247	241-942H	WASTE STORAGE TANK
1248	241-943H	WASTE STORAGE TANK
1253	241-948H	WASTE STORAGE TANK
1254	241-949H	WASTE STORAGE TANK
1255	241-950H	WASTE STORAGE TANK
1256	241-951H	WASTE STORAGE TANK
1257	241-96H	FILTER/STRIPPER BUILDING
1259	241-98H	CHEMICAL ADDITION PORTABLE BUILDING
1261	241-99H	CHEMICAL ADDITION PORTABLE BUILDING
1262	241-H	WASTE STORAGE TANKS 9-16 (HDB-1)
1265	242-11H	SERVICE BUILDING FOR 3H EVAPORATOR
1268	242-16H	2H EVAPORATOR
1269	242-18H	CTS –H-AREA
1270	242-1H	1H CONTROL ROOM BUILDING
1271	242-24H	OFFICE/LUNCH ROOM BUILDING
1272	242-25H	MERCURY REMOVAL AND CARBON TANK AREA
1276	242-9H	ELECTRICAL CONTROL ROOM/PVS HEPA BUILDING
1278	242-H	1H EVAPORATOR
1279	244-1H	RBOF STORAGE BUILDING
1280	244-H	RECEIVING BASIN FOR OFF-SITE FUEL
1281	245-1H	PARKING AREA / REGENERATION ACTIVITIES
1282	245-H	RESIN REGENERATION BUILDING
1295	251-H	PRIMARY SUBSTATION (HIGH VOLTAGE 115KV)
1296	252-22H	TRANSFORMER
1301	253-H	RADIOLOGICAL MONITORING EQUIPMENT SHOP
1303	254-16H	DIESEL GENERATOR FOR 241-2H
1304	254-19H	DIESEL GENERATOR BUILDING FOR CANYON EXHAUST
1308	254-6H	DIESEL HOUSE
1312	261-H	HAZARDOUS WASTE INCINERATOR
1313	262-H	CIF TANK FARM
1317	280-1H	BASIN
1320	281-10H	FILTER AND DEIONIZER FACILITY
1321	281-13H	COOLING WATER MONITOR HOUSE
1322	281-14H	COOLING WATER MONITOR HOUSE
1323	281-15H	COOLING WATER MONITOR HOUSE
1324	281-16H	COOLING WATER MONITOR HOUSE
1325	281-17H	COOLING WATER MONITOR HOUSE
1326	281-18H	COOLING WATER MONITOR HOUSE
1328	281-1H	RETURN WATER DELAYING BASIN
1331	281-2H	RETURN WATER PUMPING BASIN
1333	281-4H	MONITORING HOUSE
1335	281-5H	SEGREGATED WATER DELAYING BASIN
1337	281-6H	MONITORING HOUSE
1339	281-8H	STORAGE BASIN, 4 MILLION GALLON, LINED
1341	282-H	RESERVOIR AND PUMP HOUSE
1343	284-10H	COAL HANDLER OBSERVATION BUILDING
1344	284-7H	MAINTENANCE LAYDOWN BUILDING
1347	284-H	POWERHOUSE
1348	285-10H	COOLING TOWERS & CHEMICAL ADDITION BUILDING
1353	285-H	COOLING TOWER
1355	291-H	CANYON STACK
1358	292-1H	VESSEL VENT FAN HOUSE
1360	292-2H	FAN HOUSE BUILDING
1361	292-3H	STACK MONITORING EQUIPMENT BUILDING
1363	292-H	CANYON EXHAUST FAN HOUSE
1367	294-1H	ADDITIONAL CANYON SAND FILTER
1370	294-H	CANYON EXHAUST FILTERS
1372	299-2H	AIR COMPRESSOR BUILDING
1373	299-4H	STORAGE/SUPPLY BUILDING
1374	299-5H	CRANE SHELTER
1375	299-H	MAINTENANCE FACILITY
1452	607-20H	CHEMICAL FEED FACILITY
1455	607-24H	LIFT STATION
1460	607-33H	SOLVENT TANK
1461	607-34H	SOLVENT TANK
1462	607-35H	SOLVENT TANK
1463	607-36H	SOLVENT TANK
1465	607-40H	H-AREA PUMP STATION FOR WASTEWATER TREATMENT FAC
1585	701-15H	GUARDHOUSE
1587	701-19H	SOUTH GATE GUARD SHACK
1592	701-1H	PARTOL HEADQUARTERS
1597	701-20H	WEST BADGE HOUSE
1600	701-23H	GATE "Q" ECF
1606	701-34H	ENTRY CONTROL FACILITY (FOR HTF AREA)
1607	701-3H	GATEHOUSE ENTRANCE TO 232-H & 234-H
1620	702-H	TELEPHONE EXCHANGE BUILDING
1643	703-H	OFFICE BUILDING
1649	704-2H	ADMINISTRATION BUILDING
1653	704-55H	CONSTRUCTION ADMINISTRATION OFFICE
1654	704-66H	OFFICE BUILDING
1661	704-H	AREA ADMINISTRATION & SERVICE BUILDING
1674	705-H	TRAINING BUILDING
1682	706-H	OFFICE BUILDING
1692	707-H	OFFICE BUILDING
1794	719-H	MEDICAL FACILITY
1799	720-H	CENTRAL ALARM STATION (CAS)
1824	724-H	OFFICE, SHOP & STORAGE BUILDING
1921	766-H	SRS CENTRAL TRAINING FACILITY
1935	772-H	PRE-FABRICATED BUILDING
1964	782-1H	PUMP HOUSE
1993	902-3H	FIRE WATER PUMP HOUSE
2002	905-87H	DEEPWELL

2007 –2025 Note:

FY07 through FY25 is for planning purposes only. Detailed facility information for FY07 and beyond is contained in the SRS Environmental Management Integrated Deactivation and Decommissioning Plan, Rev. 1, September 2003.

March 26, 2004

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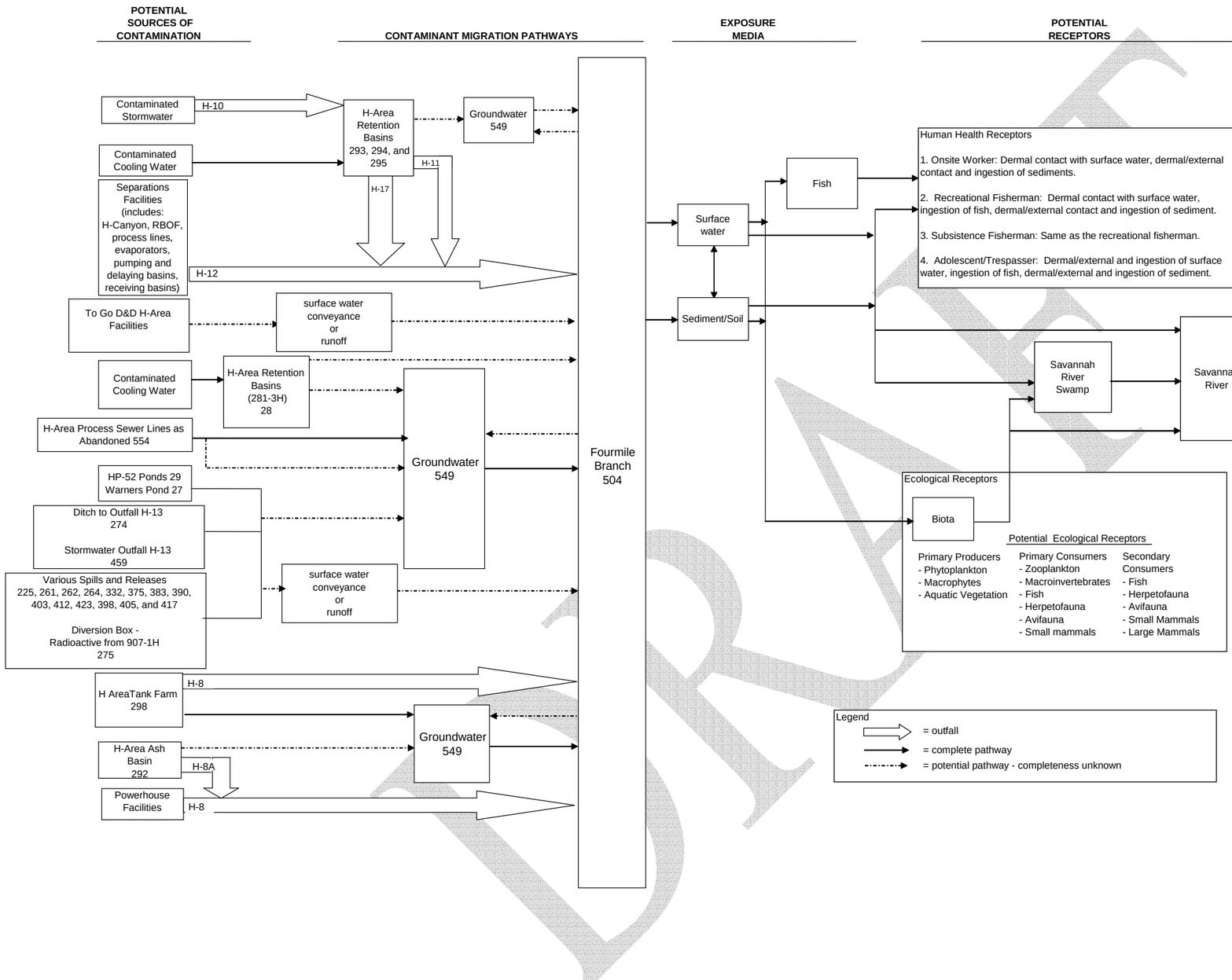


Figure 4.13b.1 H-Area CSM for Fourmile Branch

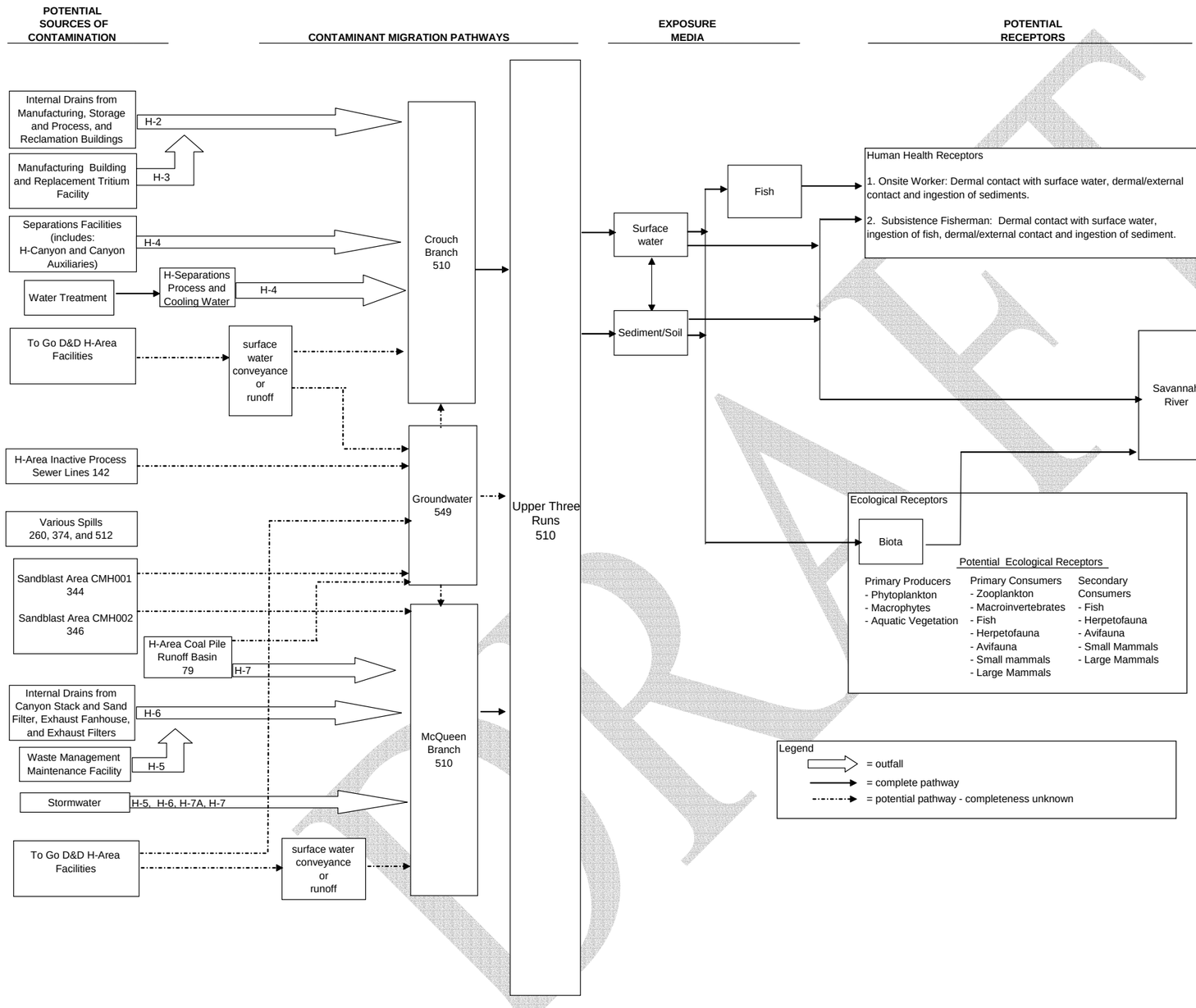
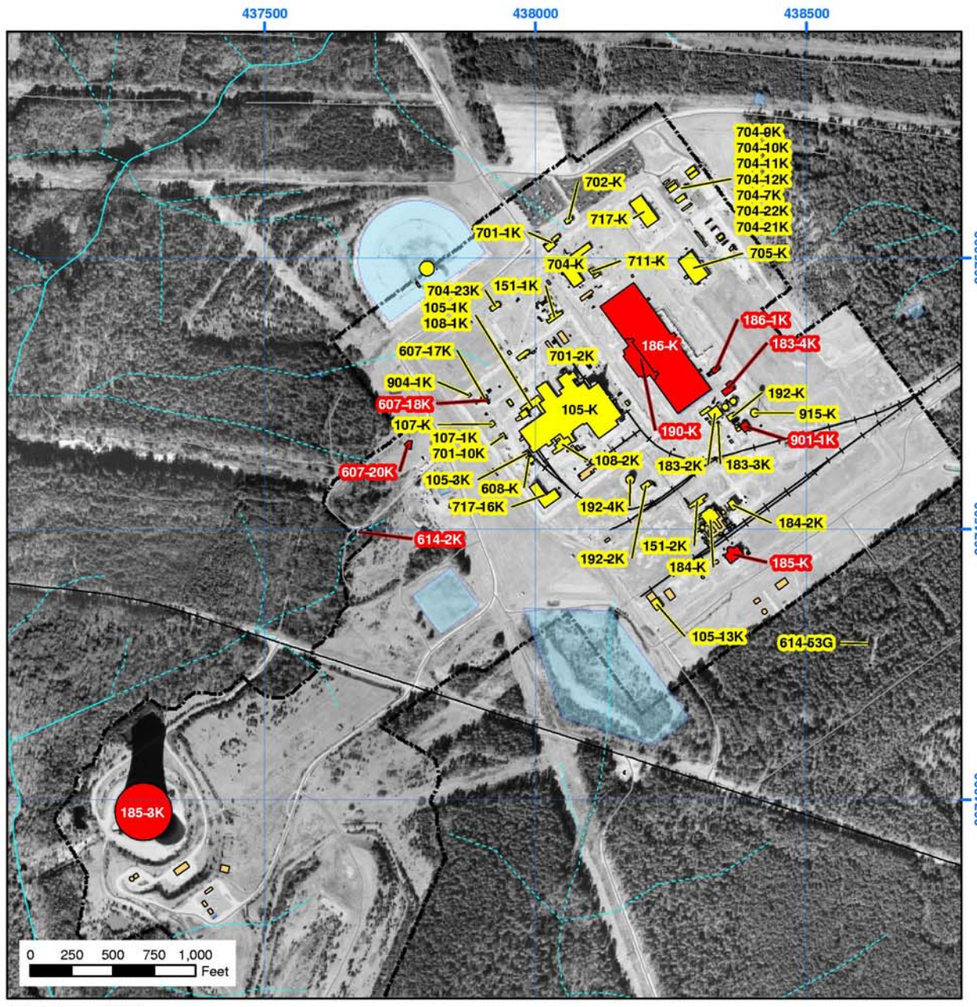


Figure 4.13b.2. H-Area CSM for Upper Three Runs

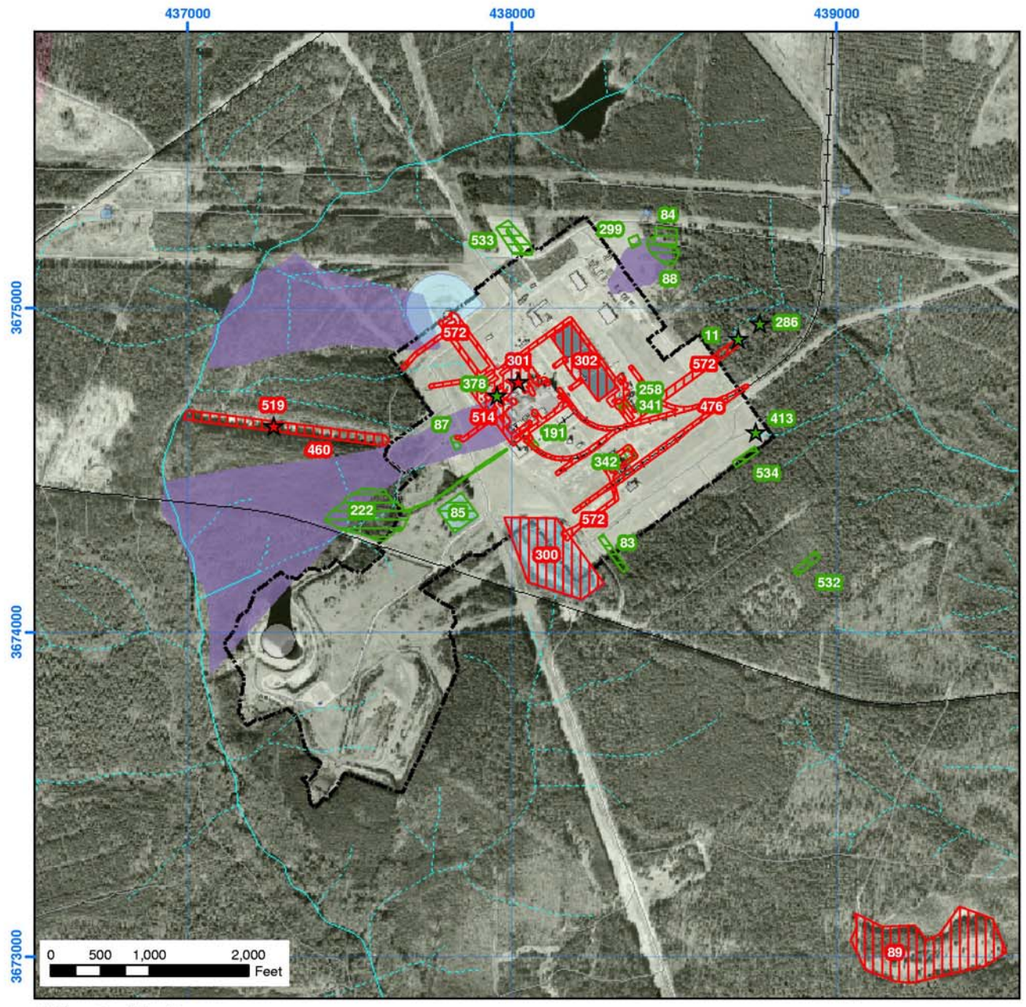
Pen Branch Watershed

4.14a –K Area Hazard Map

Savannah River Site



EM Facilities 1:9,000



Waste Units 1:15,000

Railroad Centerline, USGS 1:24000
Roads, SRS GPS Centerline
Primary
Secondary
Tertiary
Streams, USGS SRS
Intermittent
Perennial

Waterbodies, USGS
Stream-Perennial (Double)
Lake/Pond-Perennial
Lake/Pond-Intermittent
Canal-Intermittent (Double)
Marsh/Swamp
Marsh/Swamp –Wooded
Pits-Gravel/Borrow/Sand/Clay
Sewage Disposal/Filtration Plant
Industrial Water Impoundment
Basins, SRS Man-Made 1:1200

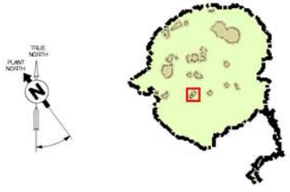
Carolina Bays, Depressional Wetlands
Carolina Bay –Distinct
Carolina Bay –Indistinct
Carolina Bay –Indistinct, Distrubed
Boundary, SRS Area
Boundary, SRS Facility Area
Buildings, Complete
Buildings, To Go (2004 –2006)
Buildings, To Go (2007 –2025)
Pads

March 26, 2004

Projection: Universal Tranverse Mercator
Datum: North American Datum 1927
Zone: 17
To place on the North American Datum 1983, move the projection lines 13 meters south and 15 meters west.

Aerial Photograph, 2001 False Color Infrared rendered grayscale.

Disclaimer:This product was prepared as an account of work sponsored by an agency of the United States Government. Neither the United States Government nor any agency thereof, nor any of their employees, makes any warranty, express or implied.



Waste Points
TO GO
COMPLETE

Waste Units
TO GO
COMPLETE
Boundary, SRS Facility Area
Buildings, SRS 1:1200

Roads, SRS GPS Centerline
Primary
Secondary
Tertiary
Railroad Centerline, USGS 1:24000

Streams, USGS SRS
Intermittent
Perennial
Carolina Bay –Distinct
Carolina Bay –Indistinct
Carolina Bay –Indistinct, Distrubed

Waterbodies, USGS
Stream-Perennial (Double)
Lake/Pond-Perennial
Lake/Pond-Intermittent
Canal-Intermittent (Double)
Marsh/Swamp
Marsh/Swamp –Wooded
Pits-Gravel/Borrow/Sand/Clay
Sewage Disposal/Filtration Plant
Industrial Water Impoundment

Basins, SRS Man-Made 1:1200
Groundwater Plumes

Watersheds
Fourmile Branch
Lower Three Runs
Pen Branch
Salkehatchie River
Savannah River / Floodplain / Swamp
Steel Creek
Upper Three Runs

4-14a_K.mxd

K Area

Pen Branch Watershed

Waste Units

Complete

To Go

11 K-Area Acid/Caustic Basin, 904-80G
83 K-Area Bingham Pump Outage Pit, 643-1G
84 K-Area Burning/Rubble Pit, 131-K
85 K-Area Coal Pile Runoff Basin, 189-K
87 K-Area Reactor Seepage Basin, 904-65G
88 K-Area Rubble Pile, 631-20G
89 K-Area Sludge Land Application Site, 761-4G
191 K-Area Sandblast Area Cmk-001
222 Spill On 01/01/57 Of <1 Ci Of Beta –Gamma, Nbn
258 Combined Spills From 183-2K, Nbn
286 K-Area Acid/Caustic Basin (Groundwater)
299 K-Area Area Of Concern, Nbn
300 K-Area Ash Basin, 188-0K
301 K-Area Disassembly Basin, 105-K
302 K-Area Reactor Cooling Water System, 186/190-K
341 Sandblast Area Cmk-002, Nbn
342 Sandblast Area Cmk-003, Nbn
378 Spill On 01/29/86 Of <5 Gal Of Water –Rad From 106-1C, Nbn
413 Spill On 04/23/82 Of 4800 Gal Of Acid Solution, Nbn
460 K-Area Reactor Discharge Canal, Nbn
476 K Reactor Area: K-Area Reactor Area Cask Car Railroad Tracks As Abandoned, Nbn
514 Combined Spills from 105-K, 106-K, and 109-K, Nbn
519 K-Area Reactor Groundwater (Including Tritium Anomaly)
532 Ecods K-1 (Southeast Of Former Laydown Yard At K Area)
533 Ecods K-2 (Northwest Of K Area Facilities)
534 Ecods K-3 (Southeast Of K Area In Former Laydown Yard)
572 K-AREA Process Sewer Lines as Abandoned, NBN

EM Facilities

Unit No	Bldg No	Name
1001	105-1K	HEAVY WATER STORAGE FACILITY
1003	105-1K	NO. 1&4 BASIN DEIONIZERS (POR) PAD FAC
1004	105-3K	DISASSEMBLY BASIN FILTRATION FAC.
1007	105-K	REACTOR BUILDING
1012	107-K	COOLING WATER EFFLUENT SUMP
1016	108-1K	ENGINE HOUSE
1021	108-2K	ENGINE HOUSE
1030	151-1K	PRIMARY SUBSTATION (HIGH VOLT 115/13.8)
1035	151-2K	PRIMARY SUBSTATION (HIGH VOLT 115/13.8)
1043	183-2K	FILTER AND SOFTENER PLANT
1047	183-3K	DIESEL GENERATOR CONTROL BUILDING
1049	183-4K	CLARIFICATION PLANT (MISC. SERVICES)
1052	184-2K	SHELTER FOR DIESEL FUEL OIL STRG TANK NO. 1
1055	184-K	POWERHOUSE
1056	185-3K	COOLING TOWER
1057	185-K	COOLING TOWER
1058	186-1K	SODIUM HYPOCHLORITE TANK STORAGE
1061	186-K	COOLING WATER RESERVOIR
1066	190-K	COOLING WATER PUMP HOUSE
1071	192-2K	PUMPHOUSE-REACTOR FIRE WATER SYSTEM
1072	192-K	PUMPHOUSE-DOMESTIC & FIRE WATER SYSTEM
1447	607-18K	CHEMICAL FEED BUILDING
1453	607-20K	DIVERSION BOX
1494	614-2K	EFFLUENT MONITORING BUILDING
1593	701-1K	AREA GATEHOUSE & PATROL HQ.
1603	701-2K	GATEHOUSE ENTRANCE AT BLDG. 105
1621	702-K	TELEPHONE EXCHANGE BUILDING
1662	704-K	AREA ADM. & SERVICES BUILDING
1675	705-K	ADMINISTRATIVE OFFICE FACILITY
1729	711-K	MAINTENANCE MATERIAL STORAGE BLDG.
1770	717-16K	LUMBER STORAGE SHED
1788	717-K	VIDEO-SAFEGUARDS MAINTENANCE FACILITY
1990	901-1K	POLYPHOSPHATE UNLOADING AND STORAGE FACILITY
2003	915-K	DOMESTIC WATER ELEVATED STORAGE TANK

2007 –2025 Note:

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March 26, 2004

4-14a_K_table.mxd

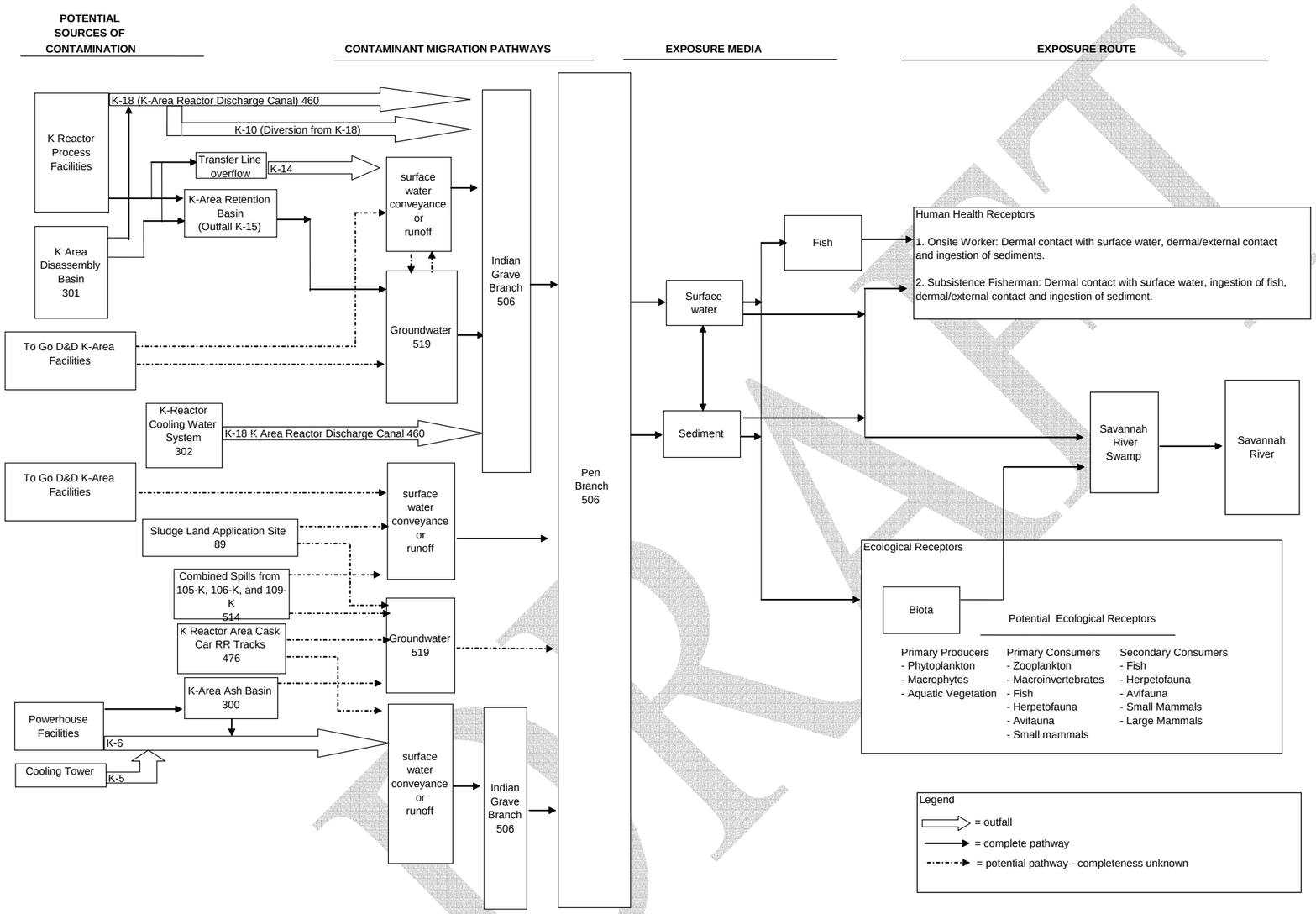

Figure 4.14b. K-Area CSM for Pen Branch

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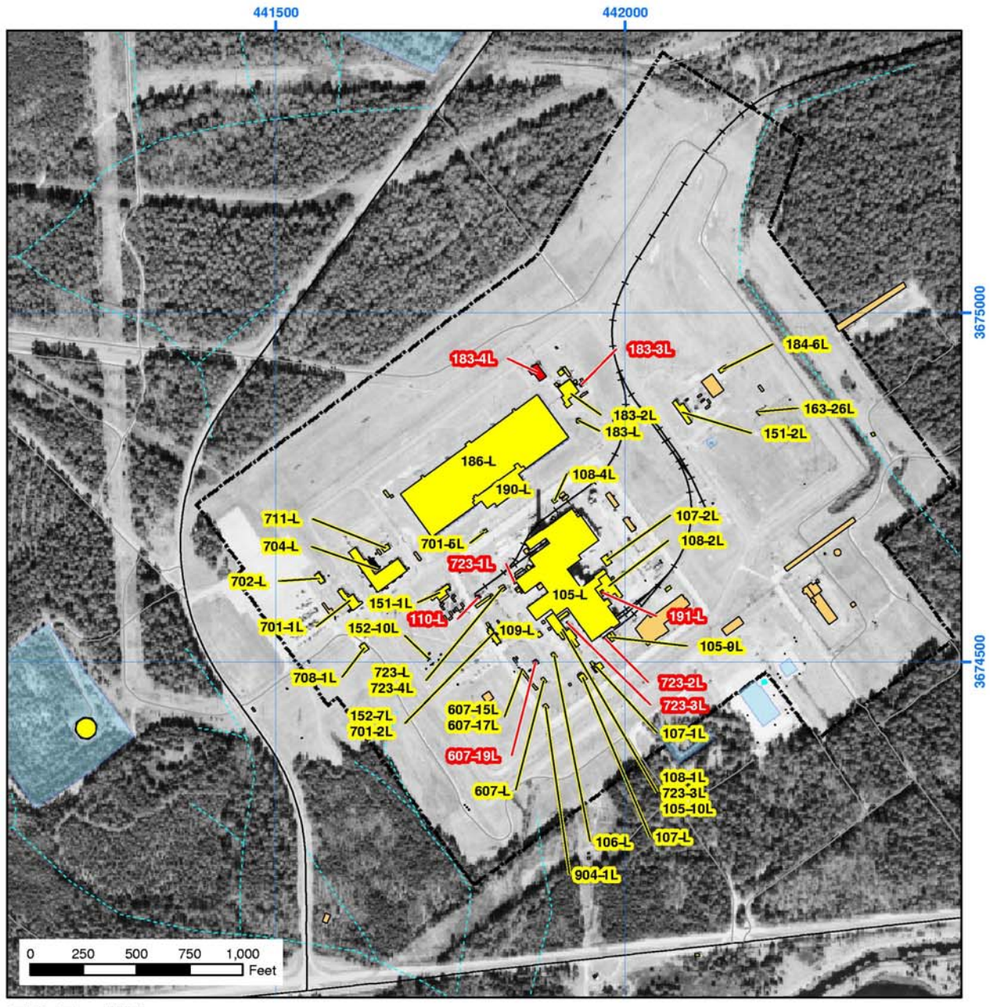
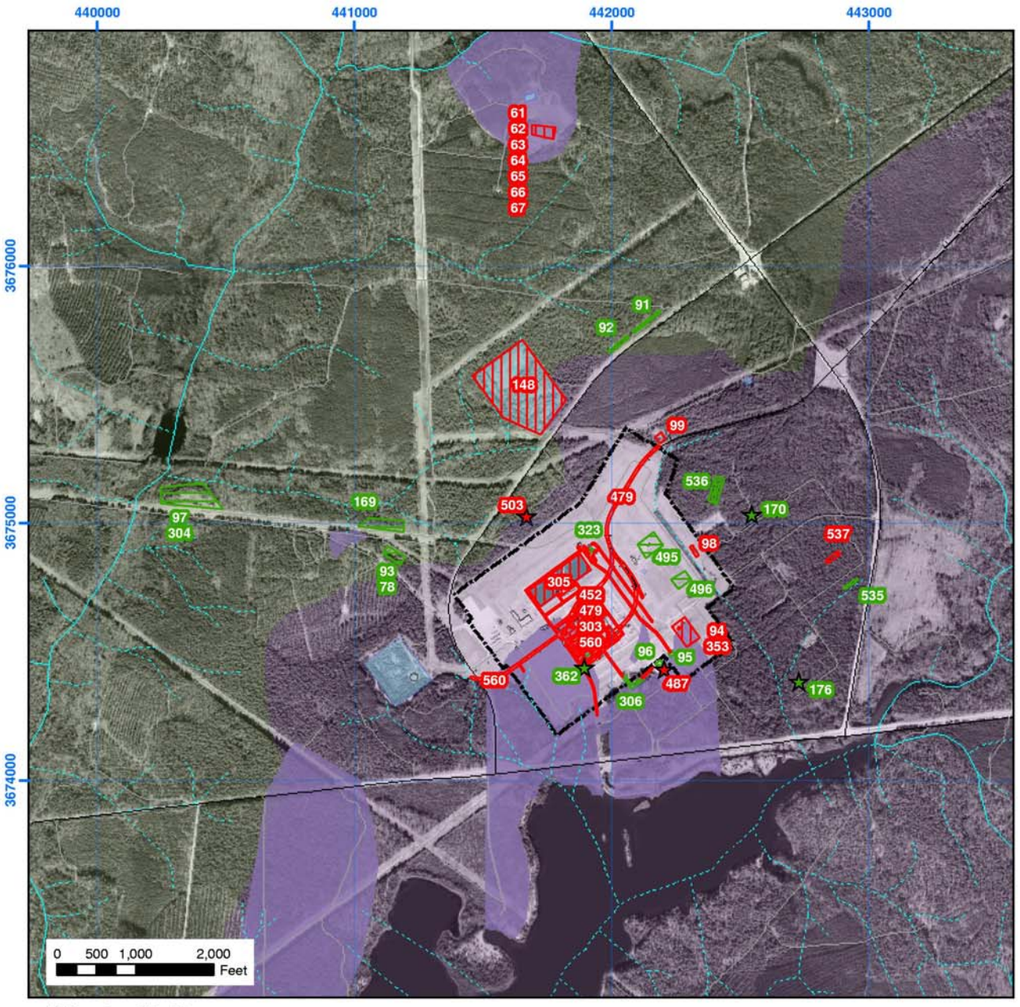
Pen Branch Watershed

4.15a –L Area Hazard Map

Savannah River Site



EM Facilities 1:7,000



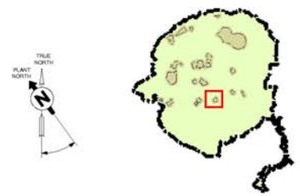
Waste Units 1:19,000

Railroad Centerline, USGS 1:24000
Roads, SRS GPS Centerline
Primary
Secondary
Tertiary
Streams, USGS SRS
Intermittent
Perennial
Waterbodies, USGS
Stream-Perennial (Double)
Lake/Pond-Perennial
Lake/Pond-Intermittent
Canal-Intermittent (Double)
Marsh/Swamp
Marsh/Swamp –Wooded
Pits-Gravel/Borrow/Sand/Clay
Sewage Disposal/Filtration Plant
Industrial Water Impoundment
Basins, SRS Man-Made 1:1200
Carolina Bay –Distinct
Carolina Bay –Indistinct
Carolina Bay –Indistinct, Distrubed
Boundary, SRS Area
Boundary, SRS Facility Area
Buildings, Complete
Buildings, To Go (2004 –2006)
Buildings, To Go (2007 –2025)
Pads

March 26, 2004

Projection: Universal Tranverse Mercator
Datum: North American Datum 1927
Zone: 17
To place on the North American Datum 1983, move the projection lines 13 meters south and 15 meters west.

Aerial Photograph, 2001 False Color Infrared rendered grayscale.



Waste Points
TO GO
COMPLETE
Waste Units
TO GO
COMPLETE
Boundary, SRS Facility Area
Buildings, SRS 1:1200
Roads, SRS GPS Centerline
Primary
Secondary
Tertiary
Railroad Centerline, USGS 1:24000
Streams, USGS SRS
Intermittent
Perennial
Carolina Bay –Distinct
Carolina Bay –Indistinct
Carolina Bay –Indistinct, Distrubed
Waterbodies, USGS
Stream-Perennial (Double)
Lake/Pond-Perennial
Lake/Pond-Intermittent
Canal-Intermittent (Double)
Marsh/Swamp
Marsh/Swamp –Wooded
Pits-Gravel/Borrow/Sand/Clay
Sewage Disposal/Filtration Plant
Industrial Water Impoundment
Basins, SRS Man-Made 1:1200
Groundwater Plumes
Watersheds
Fourmile Branch
Lower Three Runs
Pen Branch
Salkehatchie River
Savannah River / Floodplain / Swamp
Steel Creek
Upper Three Runs

4-15a_L.mxd

L Area

Pen Branch Watershed

Waste Units

Complete

To Go

61 Cmp Pits, 080-170G
62 Cmp Pits, 080-171G
63 Cmp Pits, 080-180G
64 Cmp Pits, 080-181G
65 Cmp Pits, 080-182G
66 Cmp Pits, 080-183G
67 Cmp Pits, 080-190G
78 Gas Cylinder Disposal Facility, 131-2L
91 L-Area Bingham Pump Outage Pits, 643-2G
92 L-Area Bingham Pump Outage Pits, 643-3G
93 L-Area Burning/Rubble Pit, 131-L
94 L-Area Hot Shop (Including Sandblast Area Cml-003, Nbn), 717-G
95 L-Area Acid/Caustic Basin, 904-79G
96 L-Area Oil/Chemical Basin, 904-83G
97 L-Area Rubble Pile, 631-26G
98 L-Area Rubble Pit, 131-1L
99 L-Area Rubble Pit, 131-4L
148 L-Area Ash Basin 188-0L
169 L-Area Rubble Pile, 131-3L
170 L-Area Scrap Metal And Wood, Nbn
176 Pile Of Telephone/Light Poles, Nbn
303 L-Area Disassembly Basin, 105-L
304 L-Area Erosion Control Site, 080-26G
305 L-Area Reactor Cooling Water System, 186/190-L
306 L-Area Reactor Seepage Basin, 904-064G
323 Potential Release Of Naoh/H2 So4 From 183-2L, Nbn
353 Sandblast Area Cml-003, Nbn
362 Spill On 01/01/57 Of <1 Ci Of Beta –Gamma, Nbn
452 Spill On 09/21/84 Of 200 Gal Of Water -Rad, Nbn
479 L Reactor Area: L-Area Reactor Area Cask Car Railroad Tracks As Abandoned, Nbn
487 L-Area Southern Groundwater, Nbn
495 Sandblast Area Cml-001, Nbn
496 Sandblast Area Cml-002, Nbn
503 L-Area Northern Groundwater
535 Ecods L-1 (East Of L Area)
536 Ecods L-2 (East Of L Area)
537 Ecods L-3 (East Of L Area)
560 L-Area Process Sewer Lines As Abandoned, Nbn

EM Facilities

Unit No	Bldg No	Name
1000	105-10L	L-REACTOR DISASSEMBLY BASIN DEOINIZER SYSTEM
1005	105-9L	SETTLER TANK & FILTERS AREA
1008	105-L	REACTOR BUILDING
1013	107-L	COOLING WATER EFFLUENT SUMP
1017	108-1L	ENGINE HOUSE
1022	108-2L	ENGINE HOUSE
1025	108-4L	EMERG DIESEL GENER & FUEL OIL STORAGE
1027	110-L	HELIUM STORAGE TANK
1031	151-1L	PRIMARY SUBSTATION (HIGH VOLT 115/13.8)
1036	151-2L	PRIMARY SUBSTATION (HIGH VOLT 115/13.8)
1040	152-7L	GENERATOR ROOM
1044	183-2L	FILTER AND SOFTENER PLANT
1048	183-3L	DIESEL GENERATOR CONTROL BUILDING
1050	183-4L	CLARIFICATION PLANT (MISC. SERVICES)
1054	184-6L	STORAGE BUILDING
1062	186-L	COOLING WATER RESERVOIR
1067	190-L	COOLING WATER PUMP HOUSE
1070	191-L	STANDBY PUMP HOUSE
1449	607-19L	CHEMICAL STORAGE BUILDING
1495	614-2L	EFFLUENT MONITORING BUILDING
1594	701-1L	AREA GATEHOUSE & PATROL HQ.
1604	701-2L	GATEHOUSE ENTRANCE AT BLDG. 105
1622	702-L	TELEPHONE EXCHANGE BUILDING
1663	704-L	AREA ADM. & SERVICES BUILDING
1730	711-L	MAINTENANCE MATERIAL STORAGE BLDG.
1809	723-1L	CLOTHING CHANGE FACILITY
1810	723-2L	CLOTHING CHANGE FACILITY
1812	723-3L	CLOTHING CHANGE FACILITY
1813	723-4L	SWP CLOTHING BUILDING
1816	723-L	CONTAMINATED LAUNDRY STORAGE BLDG.

2007 –2025 Note:

FY07 through FY25 is for planning purposes only. Detailed facility information for FY07 and beyond is contained in the SRS Environmental Management Integrated Deactivation and Decommissioning Plan, Rev. 1, September 2003.

March 26, 2004

4-15a_L_table.mxd

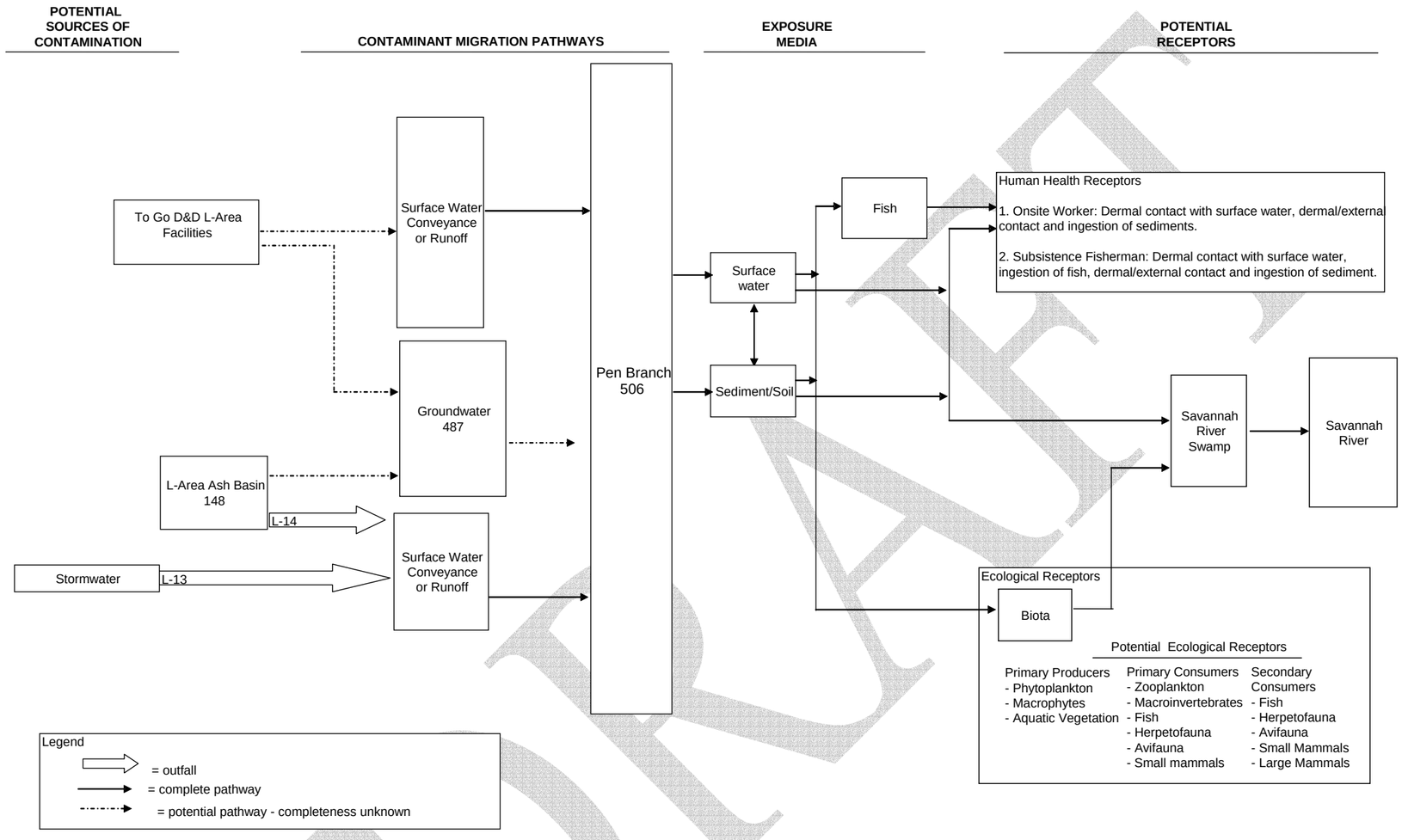


Figure 4.15b.1 L-Area CSM for Pen Branch

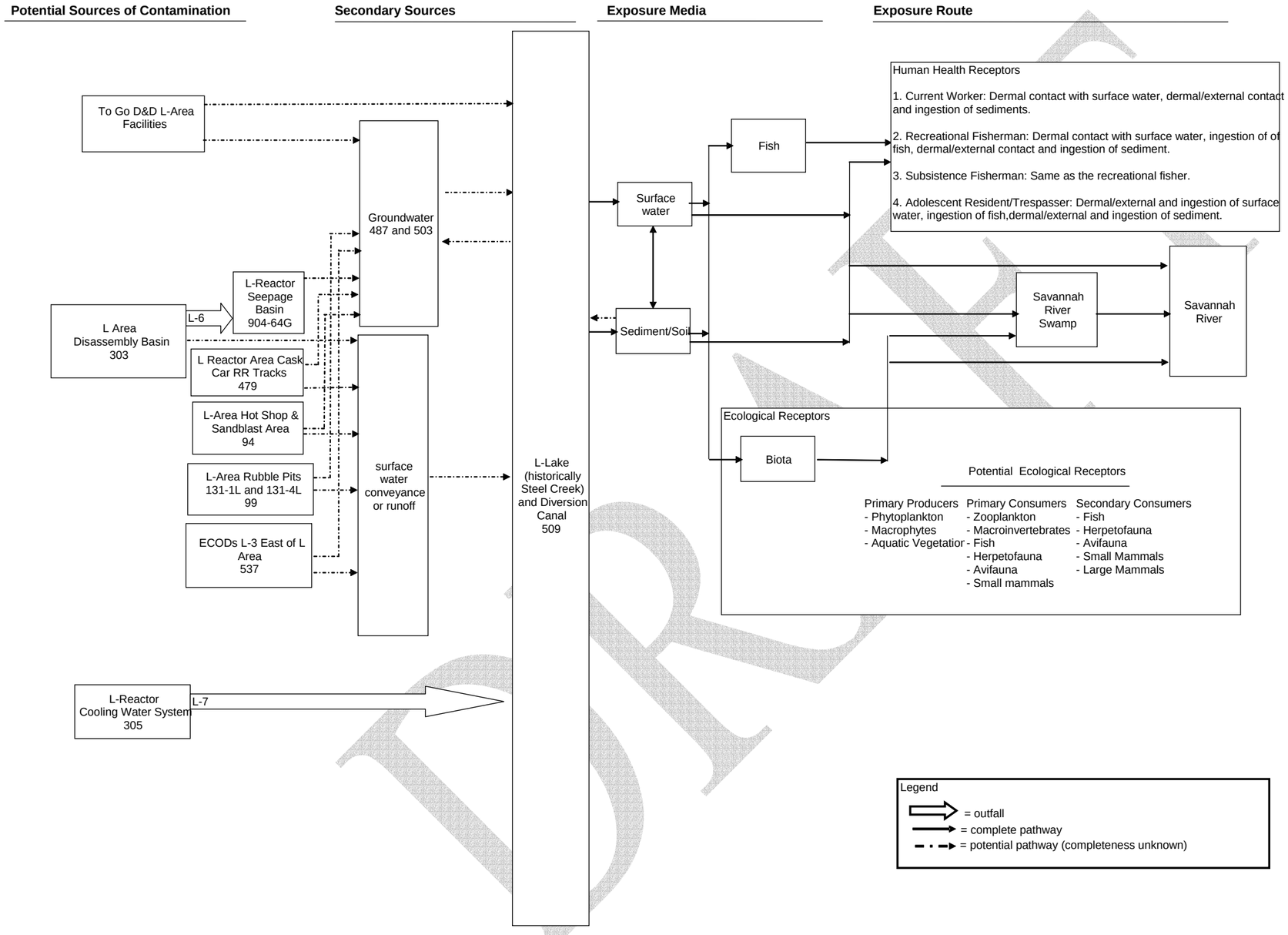
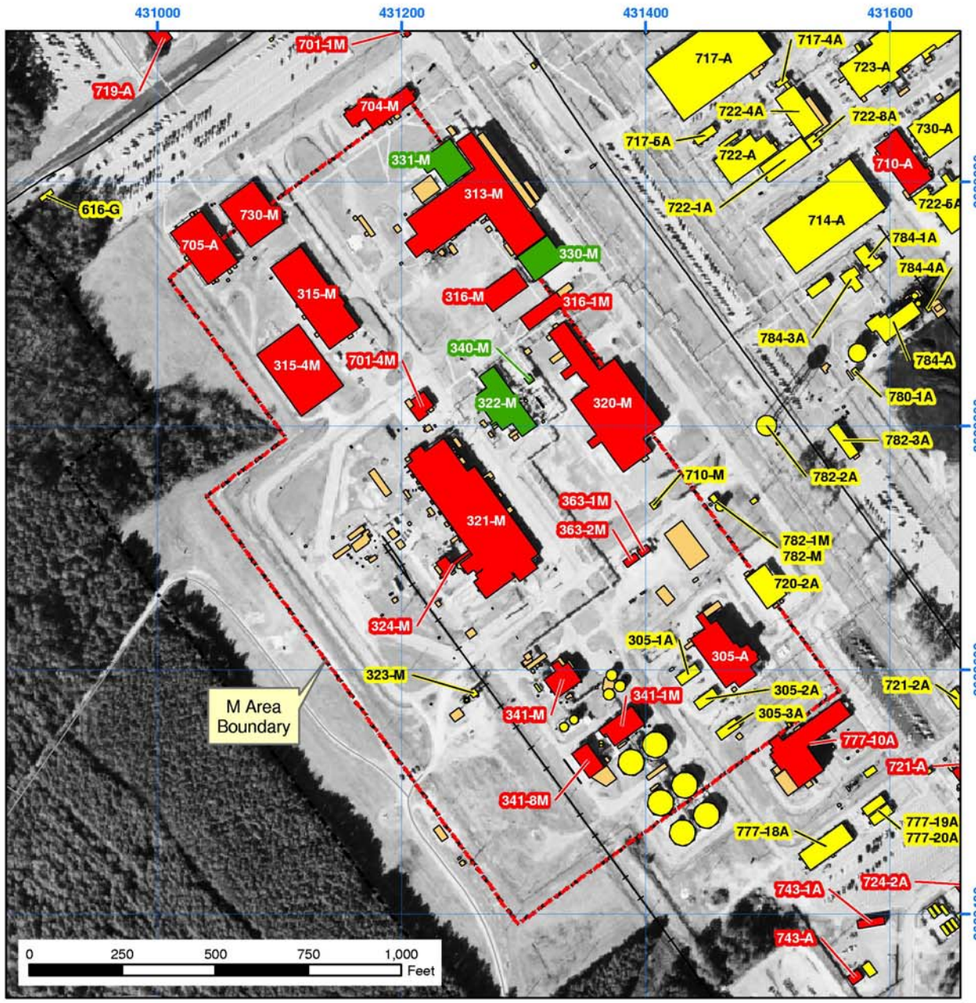
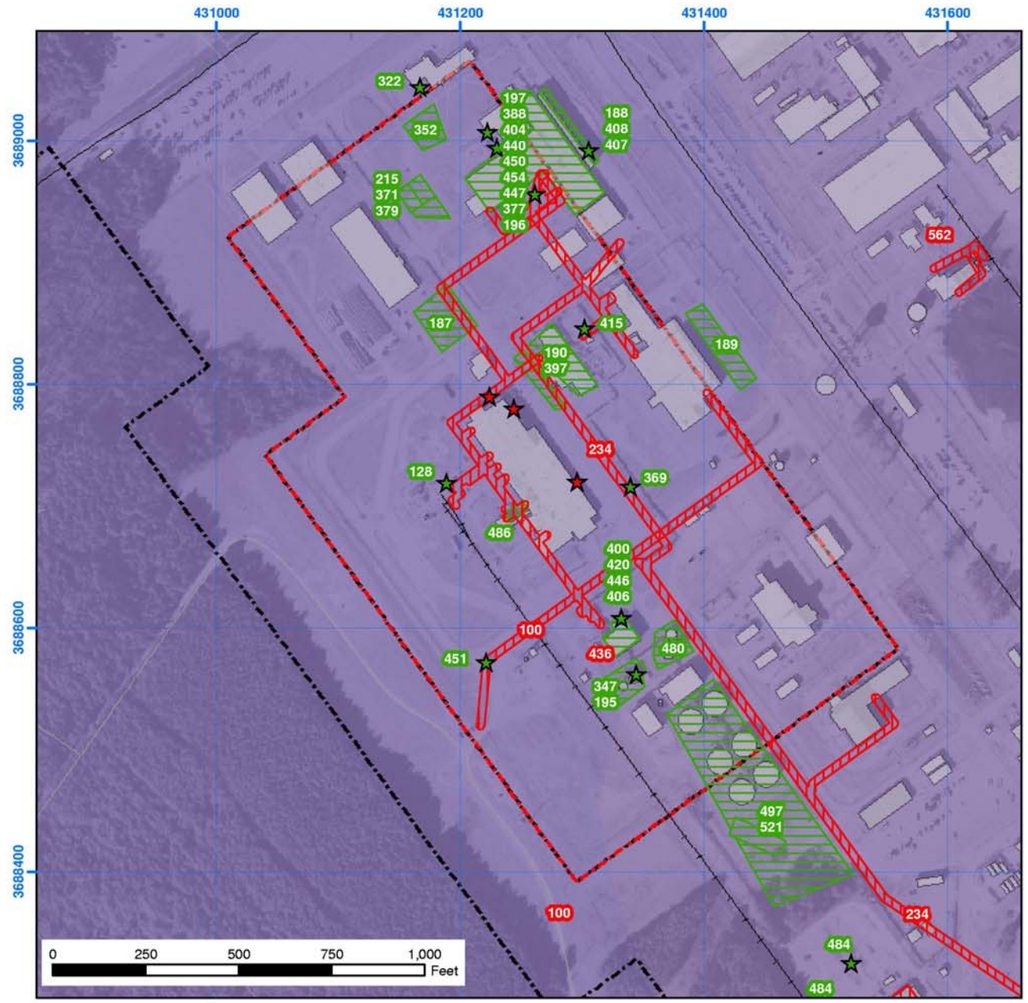


Figure 4.15b.2. L Area CSM for Steel Creek

Upper Three Runs & Savannah River Flood Plain / Swamp Watershed **4.16a –M Area Hazard Map** **Savannah River Site**





EM Facilities

1:4,000

Railroad Centerline, USGS 1:24000
Roads, SRS GPS Centerline
Primary
Secondary
Tertiary
Streams, USGS SRS
Intermittent
Perennial
Waterbodies, USGS
Stream-Perennial (Double)
Lake/Pond-Perennial
Lake/Pond-Intermittent
Canal-Intermittent (Double)
Marsh/Swamp
Marsh/Swamp –Wooded
Pits-Gravel/Borrow/Sand/Clay
Sewage Disposal/Filtration Plant
Industrial Water Impoundment
Basins, SRS Man-Made 1:1200
Carolina Bay –Distinct
Carolina Bay –Indistinct
Carolina Bay –Indistinct, Distrubed
Boundary, SRS Facility Area
A Area
M Area
Boundary, SRS Area
Buildings, Complete
Buildings, To Go (2004 –2006)
Buildings, To Go (2007 –2025)
Pads

March 26, 2004

Projection: Universal Tranverse Mercator
Datum: North American Datum 1927
Zone: 17
To place on the North American Datum 1983, move the projection lines 13 meters south and 15 meters west.

Aerial Photograph, 2001 False Color Infrared rendered grayscale.

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Waste Units

1:4,000

Waste Points
TO GO
COMPLETE
Waste Units
TO GO
COMPLETE
<all other values>
Buildings, SRS 1:1200
Roads, SRS GPS Centerline
Primary
Secondary
Tertiary
Railroad Centerline, USGS 1:24000
Streams, USGS SRS
Intermittent
Perennial
Carolina Bay –Distinct
Carolina Bay –Indistinct
Carolina Bay –Indistinct, Distrubed
Waterbodies, USGS
Stream-Perennial (Double)
Lake/Pond-Perennial
Lake/Pond-Intermittent
Canal-Intermittent (Double)
Marsh/Swamp
Marsh/Swamp –Wooded
Pits-Gravel/Borrow/Sand/Clay
Sewage Disposal/Filtration Plant
Industrial Water Impoundment
Basins, SRS Man-Made 1:1200
Groundwater Plumes
Watersheds
Fourmile Branch
Lower Three Runs
Pen Branch
Salkehatchie River
Savannah River / Floodplain / Swamp
Steel Creek
Upper Three Runs

4-16a_M.mxd

M Area

Waste Units

Complete

To Go

23 M-Area Hazardous Waste Management Facility: A/M Area Groundwater Portion, 904-110G
24 SRL Groundwater
100 M-Area Settling Basin Inactive Process Sewers To Manhole 1, 081-M
128 Spill On 10/13/75 Of 1200 Gal Of Pce, Nbn
187 M-Area Sandblast Area Cmm-006
188 M-Area Sandblast Area Cmm-007
189 M-Area Sandblast Area Cmm-004
190 M-Area Sandblast Area Cmm-005
195 Spill On 03/20/86 Of <1 Gal Of Water –Rad, Nbn
196 Spill On 03/30/87 Of 15 Gal Of Acidic Water, Nbn
197 Spill On 03/30/88 Of 15 Gal Of Acidic Water, Nbn
215 Potential Release Of Caustic/Hno3 From 312-M, Nbn
234 313-M And 320-M Inactive Clay Process Sewers To Tims Branch, Nbn
322 Potential Release Of Diesel Fuel And Benzene From 730-M, Nbn
326 Potential Release Of Tct, Tet Tce, Hno3, U, Heavy Metals From 321-M Abandoned Sewer Line, Nbn
340 Salvage Yard, 740-A
347 Sandblast Area Cmm-002, Nbn
352 Sandblast Area Cmm-008, Nbn
369 Spill On 01/01/85 Of 3 Gal Of Aluminum Nitrate, Nbn
371 Spill On 01/01/87 Of 5 Gal Of 50% Sodium Hydroxide, Nbn
377 Spill On 01/19/86 Of Unknown Of Plating Solution, Nbn
379 Spill On 01/07/87 Of 20 Gal Of Caustic, Nbn
388 Spill On 12/17/85 Of 2 Gal Of Phosphoric Acid, Nbn
397 Spill On 02/06/85 Of 50 Gal Of Caustic, Nbn
400 Spill On 03/11/87 Of 1 Gal Of Caustic, Nbn
404 Spill On 03/07/86 Of 10 Gal Of Acid, Nbn
406 Spill On 03/08/86 Of 1/2 Pint Of Water –Rad, Nbn
407 Spill On 03/08/86 Of 10 Gal Of Nitric Acid, Nbn
408 Spill On 03/08/86 Of 6 Gal Of Caustic, Nbn
415 Spill On 04/25/87 Of 15 Gal Of Water –Rad, Nbn
420 Spill On 05/01/87 Of 100 Gal Of Water From 300-M, Nbn
436 Spill On 06/16/87 Of ~1 Gal Of Water –Rad, Nbn
440 Spill On 06/28/84 Of 100 Gal Of Chilled Water, Nbn
446 Spill On 08/18/86 Of 20 Gal Of Water –Rad, Nbn
447 Spill On 08/29/85 Of 500 Gm Of Uranyl Nitrate, Nbn
450 Spill On 09/10/86 Of 1 Gal Of Water –Rad, Nbn
451 Spill On 09/20/87 Of Unknown Amount Of Water –Rad, Nbn
454 Spill On 09/04/85 Of 1 1/2 Gal Of Nitric Acid, Nbn
465 Underground Sump 321 M #001 321-M
466 Underground Sump 321 M #002 321-M
480 Sandblast Area Cmm-003, Nbn
484 M-Area Hazardous Waste Management Facility: M-Area Vadose Zone, 643-28G
486 Contaminated Soil, 321-M
497 Sandblast Area Cmm-001, Nbn
521 Ecods A-2 (Near Sandblast Area Cmm-001, Nbn)
562 A-Area Process Sewer Lines As Abandoned, Nbn

Waste Units not on M Area Map:
45 A-Area Burning/Rubble Pits, 731-1A located on watershed map
46 A-Area Burning/Rubble Pits, 731-A located on watershed map
48 A-Area Miscellaneous Rubble Pile, 731-6A located on A Area (Lower) Map
49 A-Area Rubble Pit, 731-2A located on watershed map
101 Miscellaneous Chemical Basin, 731-4A located on watershed map
102 Metals Burning Pits, 731-5A located on watershed map
224 Spill on 10/07/85 of 1 Gallon of Nitric Acid at Barricade 10 is located on the A Area (Upper) map

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Upper Three Runs & Savannah River Flood Plain / Swamp Watershed

EM Facilities

Unit No	Bldg No	Name
1377	313-M	CANNING BUILDING
1378	315-4M	HAZARDOUS MIXED WASTE STORAGE PAD
1379	315-M	ESSENTIAL MATERIALS WAREHOUSE
1380	316-1M	CHEMICAL STORAGE PAD
1381	316-M	DRUM STORAGE FACILITY
1382	320-M	ALLOY BUILDING
1383	321-M	MANUFACTURING BUILDING
1384	322-M	METALLURGICAL LABORATORY
1385	323-M	MCC FOR GROUND WATER TREATMENT
1386	324-M	VERTICAL PRESS BUILDING
1387	330-M	SLUG WAREHOUSE
1388	331-M	CORE STORAGE WAREHOUSE
1389	340-M	LAB WASTE TREATMENT FACILITY
1390	341-1M	TANK FARM CONTAINMENT COVER
1391	341-8M	VENDOR TREATMENT FACILITY
1392	341-M	DILUTE EFFLUENT TREATMENT FACILITY
1393	363-1M	ELECTRICAL STORAGE BUILDING (FORMERLY MS4
1394	363-2M	ELECTRICAL STORAGE BUILDING (FORMERLY MS5)
1595	701-1M	MAIN GATEHOUSE
1610	701-4M	HARDEN ENTRY CONTROL FACILITY TO 321-M
1664	704-M	AREA ADMINISTRATION BUILDING
1840	730-M	ENGINEERING & TRAINING BUILDING
1965	782-1M	PUMP HOUSE

2007 –2025 Note:

FY07 through FY25 is for planning purposes only. Detailed facility information for FY07 and beyond is contained in the SRS Environmental Management Integrated Deactivation and Decommissioning Plan, Rev. 1, September 2003.

Note:
This map of To Go buildings in M area contains buildings in both Upper and Lower A Area as well.

4-16a_M_table.mxd

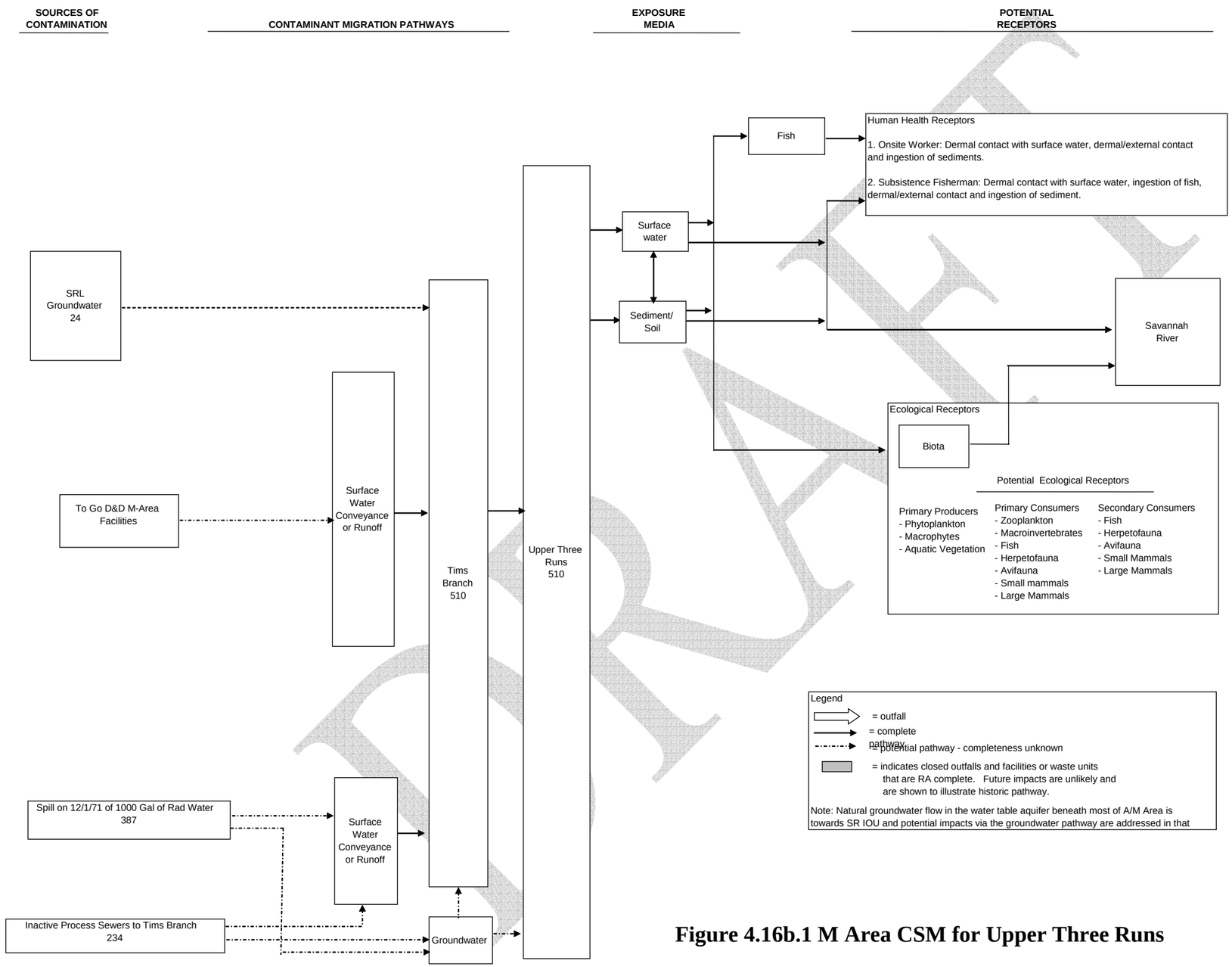


Figure 4.16b.1 M Area CSM for Upper Three Runs

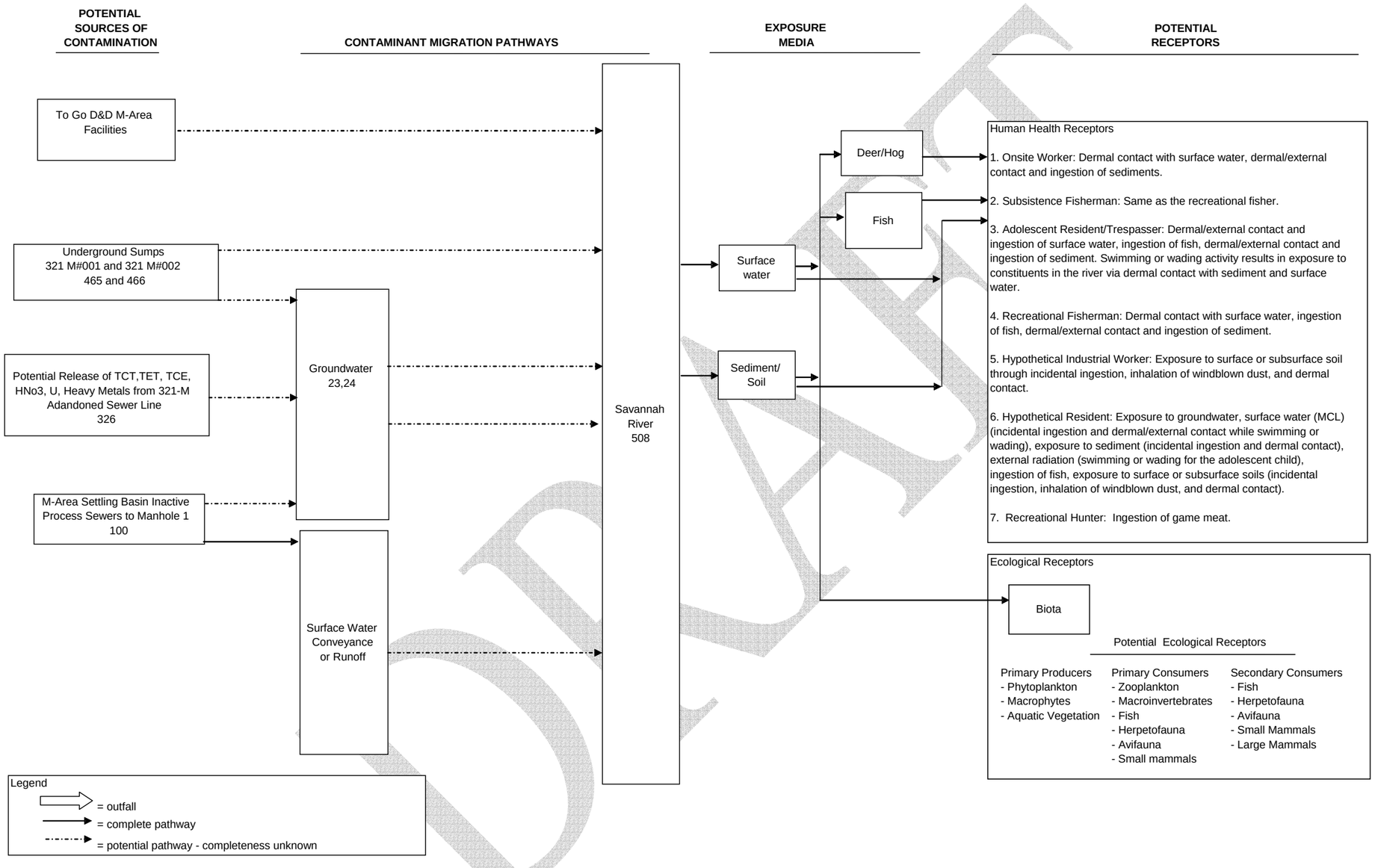
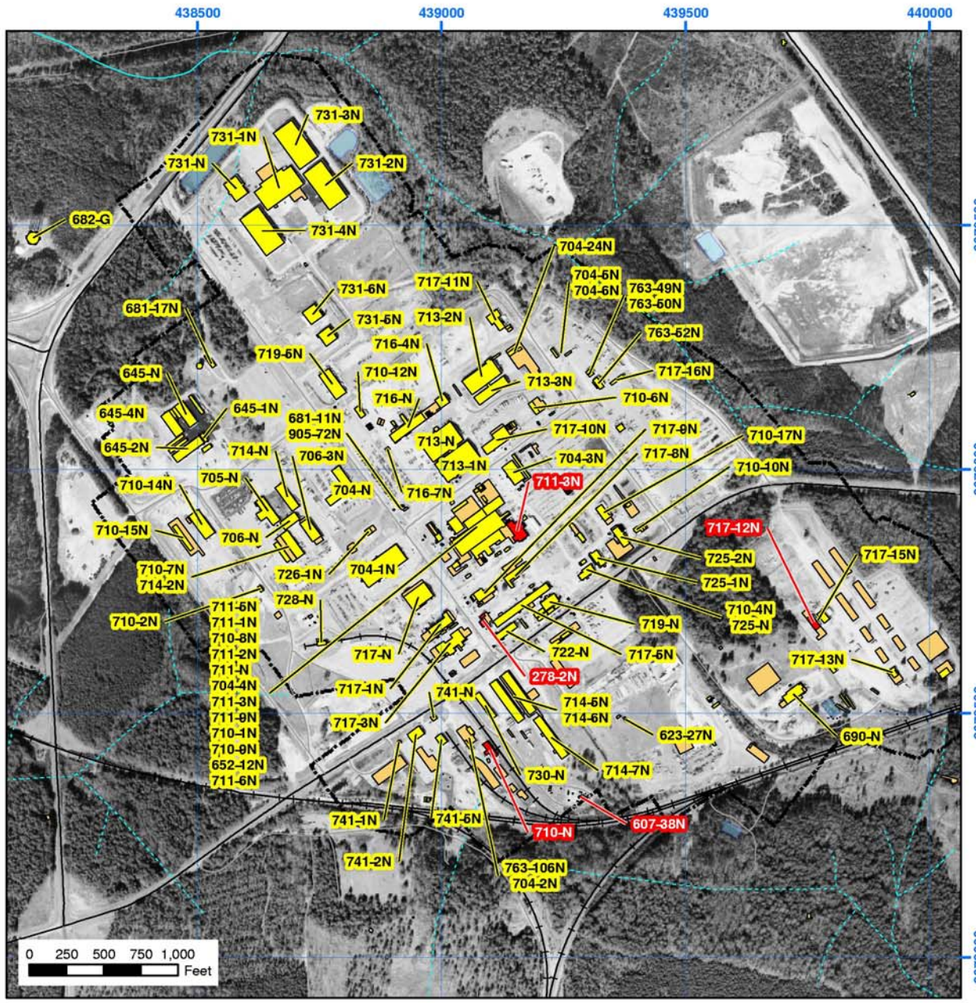


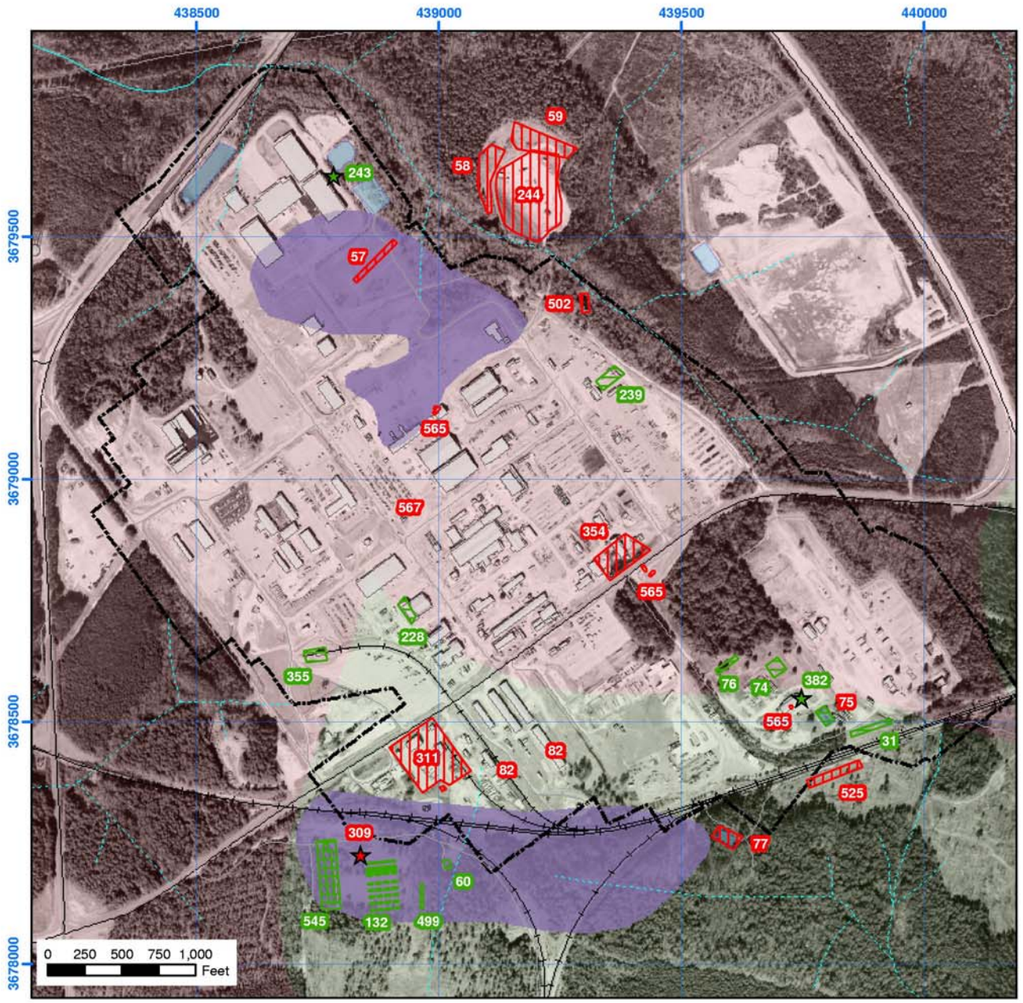
Figure 4.16b.2 M Area CSM for Savannah River

Fourmile Branch Watershed

4.17a –N Area Hazard Map

Savannah River Site





EM Facilities

1:10,000

Railroad Centerline, USGS 1:24000
Roads, SRS GPS Centerline
Primary
Secondary
Tertiary
Streams, USGS SRS
Intermittent
Perennial
Waterbodies, USGS
Stream-Perennial (Double)
Lake/Pond-Perennial
Lake/Pond-Intermittent
Canal-Intermittent (Double)
Marsh/Swamp
Marsh/Swamp –Wooded
Pits-Gravel/Borrow/Sand/Clay
Sewage Disposal/Filtration Plant
Industrial Water Impoundment
Basins, SRS Man-Made 1:1200
Carolina Bay –Distinct
Carolina Bay –Indistinct
Carolina Bay –Indistinct, Distrubed
Boundary, SRS Area
Boundary, SRS Facility Area
Buildings, Complete
Buildings, To Go (2004 –2006)
Buildings, To Go (2007 –2025)
Pads

March 26, 2004

Projection: Universal Tranverse Mercator
Datum: North American Datum 1927
Zone: 17
To place on the North American Datum 1983, move the projection lines 13 meters south and 15 meters west.

Aerial Photograph, 2001 False Color Infrared rendered grayscale.

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Waste Units

1:10,000

Waste Points
TO GO
COMPLETE
Waste Units
TO GO
COMPLETE
Boundary, SRS Facility Area
Buildings, SRS 1:1200
Roads, SRS GPS Centerline
Primary
Secondary
Tertiary
Railroad Centerline, USGS 1:24000
Streams, USGS SRS
Intermittent
Perennial
Carolina Bay –Distinct
Carolina Bay –Indistinct
Carolina Bay –Indistinct, Distrubed
Waterbodies, USGS
Stream-Perennial (Double)
Lake/Pond-Perennial
Lake/Pond-Intermittent
Canal-Intermittent (Double)
Marsh/Swamp
Marsh/Swamp –Wooded
Pits-Gravel/Borrow/Sand/Clay
Sewage Disposal/Filtration Plant
Industrial Water Impoundment
Basins, SRS Man-Made 1:1200
Groundwater Plumes
Watersheds
Fourmile Branch
Lower Three Runs
Pen Branch
Salkehatchie River
Savannah River / Floodplain / Swamp
Steel Creek
Upper Three Runs

4-17a_N.mxd

N Area

Fourmile Branch Watershed

Waste Units

Complete

To Go

31 Central Shops Burning/Rubble Pit, 631-6G
57 Central Shops Burning/Rubble Pit, 631-5G
58 Central Shops Burning/Rubble Pit, 631-1G
59 Central Shops Burning/Rubble Pit, 631-3G
60 Central Shops Sludge Lagoon, 080-24G
74 Fire Department Hose Training Facility, 904-113G
75 Ford Building Seepage Basin, 904-91G
76 Ford Building Waste Site, 643-11G
77 G-Area Oil Seepage Basin, 761-13G
82 Hydrofluoric Acid Spill, 631-4G
132 Srl Oil Test Site, 080-16G
228 Spill On 09/08/83 Of ~10 Gal Of Fine-Organic #101 From 8307Z, Nbn
239 Arsenic Treated Wood Storage Area, Nbn
243 Central Shops Area Of Concern, Nbn
244 Central Shops Scrap Lumber Pile, 631-2G
309 Miscellaneous Rubble Pile, 631-7G
311 New Salvage Yard, 741-G
354 Sandblast Area Cmn-001, Nbn
355 Sandblast Area Cmn-002, Nbn
382 Spill On 10/09/85 Of 15 Gal Of Aropol From 690-G, Nbn
499 Central Shops Open Disposal Trench
502 Heavy Equipment Wash Basin
525 Ecods N-1 (South Of N Area)
545 Ecods N-2 (Adjacent To Miscellaneous Rubble Pile, 631-7G)
565 N-Area Process Sewer Lines As Abandoned, Nbn

EM Facilities

Unit No	Bldg No	Name
1315	278-2N	ICE HOUSE
1464	607-38N	CHEMICAL FEED FACILITY
1483	607-84N	TREATMENT FACILITY
1517	623-27N	SRS CENTRAL CLIMATOLOGY DATA STATION
1527	645-1N	ADMINISTRATION BUILDING
1528	645-2N	INTERIM STORAGE FAC
1529	645-4N	SOLID HAZARDOUS WASTE STORAGE BLDG
1530	645-N	STOR FAC FOR NON-RADIOACTIVE HAZ WASTE
1535	652-12N	SEC TRANS SUBSTATION
1564	681-17N	PUMP HOUSE
1577	690-N	PROCESS HEAT EXCHANGER REPAIR FAC
1646	704-1N	SRQA BUILDING, C/S
1650	704-2N	CONCRETE OFFICE
1651	704-3N	C/S CAB BUILDING
1652	704-4N	MILLER DUNN ELECTRIC BUILDING
1665	704-N	CONSTRUCTION ADMINISTRATION BUILDING
1676	705-N	ADMINISTRATION BUILDING
1677	706-3N	HEAVY EQUIP STORAGE SHED
1683	706-N	ADMINISTRATION BUILDING
1701	710-10N	CABLE SHED
1702	710-12N	TIRE STORAGE CANOPY
1703	710-14N	EQUIPMENT SHED
1704	710-15N	STORAGE SHED
1706	710-17N	FLAMABLE STORAGE
1709	710-2N	STORAGE BUILDING
1711	710-4N	HAZARDOUS WASTE STORAGE
1712	710-6N	HE OIL STORAGE BUILDING
1713	710-7N	STORAGE SHED
1714	710-9N	MACH. AND M.W. OIL STORAGE
1716	710-N	EXCESS STORAGE
1719	711-1N	PIPE, NPC OFFICES-ELECRICAL SHOP
1720	711-2N	SPECIAL PROJECTS-ADDN.
1721	711-3N	PIPE WAREHOUSE
1722	711-5N	PLUMBING MAINTENANCE AREA
1723	711-6N	X-RAY
1724	711-9N	MECHANICAL SHOP
1731	711-N	PIPE AND MECHANICAL SHOP
1735	713-1N	A WAREHOUSE, CMR, ISC CONTROL #31
1737	713-2N	DOUBLE BAY WAREHOUSE FOR S-AREA
1738	713-3N	WAREHOUSE FOR S-AREA
1740	713-N	B WAREHOUSE, C/S
1741	714-2N	SPARE EQUIPMENT STORAGE
1742	714-5N	REACTOR COMPONENT STORAGE
1743	714-6N	MISCELLANEOUS STORAGE (SYLCOR)
1744	714-7N	SEPERATIONS PROCESS STORAGE
1746	714-N	STORAGE BUILDING
1748	715-2N	BULK FUEL FACILITY
1750	716-1N	NEW STEAM CLEANING
1753	716-4N	HEAVY EQUIPMENT WASH AREA
1756	716-N	GARAGE, SVC STATION, COMPRESSOR HOUSE
1758	717-10N	WAREHOUSE AND INSULATION SHOP
1762	717-11N	ELECTRICAL LINEMEN'S OFFICE/WAREHOUSE
1765	717-12N	CONSTRUCTION SORT BUILDING
1767	717-13N	CONST ENV STAGING BUILDING
1769	717-15N	RECLAIMING BUILDING
1772	717-1N	BOILERMAKER SHOP
1773	717-21N	SMALL TOOL REPAIR SHOP
1775	717-3N	SHEETMETAL SHOP
1778	717-5N	PTL., INST., QA & WAREHOUSE
1781	717-8N	CARPENTER SHOP AND OFFICE
1783	717-9N	LAYOUT, T&I OFFICES, WELD TEST
1789	717-N	SIW SHOP
1792	719-5N	CONSTRUCTION EMPLOYMENT BUILDING
1795	719-N	PROPERTY MANAGEMENT
1807	722-N	E&I SHOP
1825	725-1N	A SAND BLAST SHED
1826	725-2N	PAINT SHED
1828	725-N	PAINT
1829	726-1N	COAL SAMPLING FACILITY
1832	728-N	CASK REPAIR FACILITY
1841	730-N	FURNITURE STORAGE WAREHOUSE
1842	731-1N	RECEIVING FACILITY-MAT'L RECEV & STOR FAC
1843	731-2N	BULK STRG WHSE-MAT'L MGMT RECV & STOR FAC
1844	731-3N	SPARE PARTS WHSE-MAT'L MGMT RECV & STOR FAC
1845	731-4N	GENERAL STORES WAREHOUSE
1846	731-5N	FLAMMABLE MATERIAL STORAGE
1847	731-6N	COMPRESSED GAS STORAGE
1848	731-N	ASSET SUPPORT GROUP BUILDING
1891	741-1N	PCB STORAGE FACILITY
1892	741-2N	USED DRUM AND BATTERY STORAGE
1893	741-N	SALVAGE AND RECLAMATION BUILDING
1918	763-106N	STORAGE BUILDING
1919	763-62N	STORAGE BUILDING

2007 –2025 Note:

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March 26, 2004

4-17a_N_table.mxd

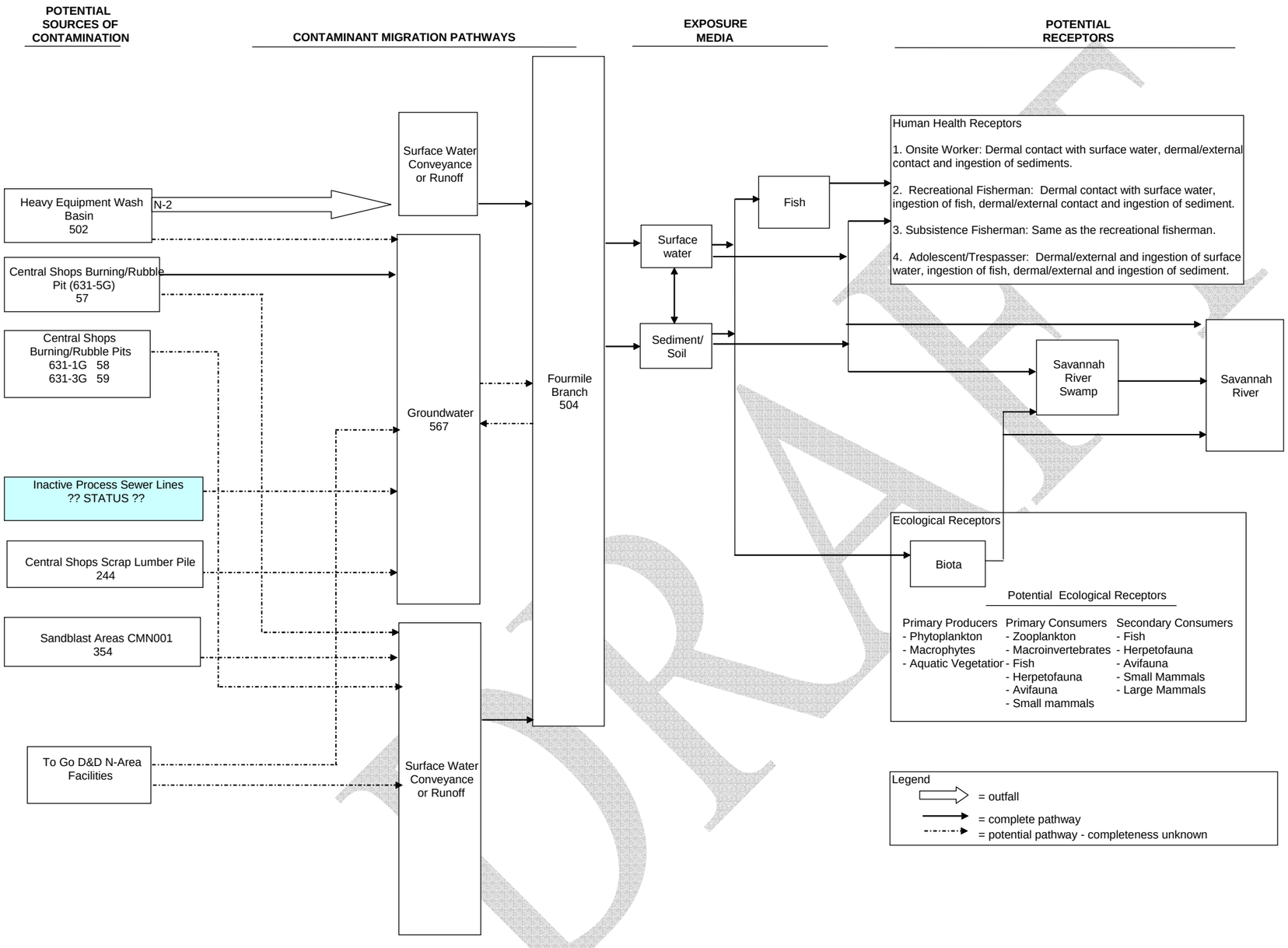


Figure 4.17b.1 N-Area CSM for Fourmile Branch

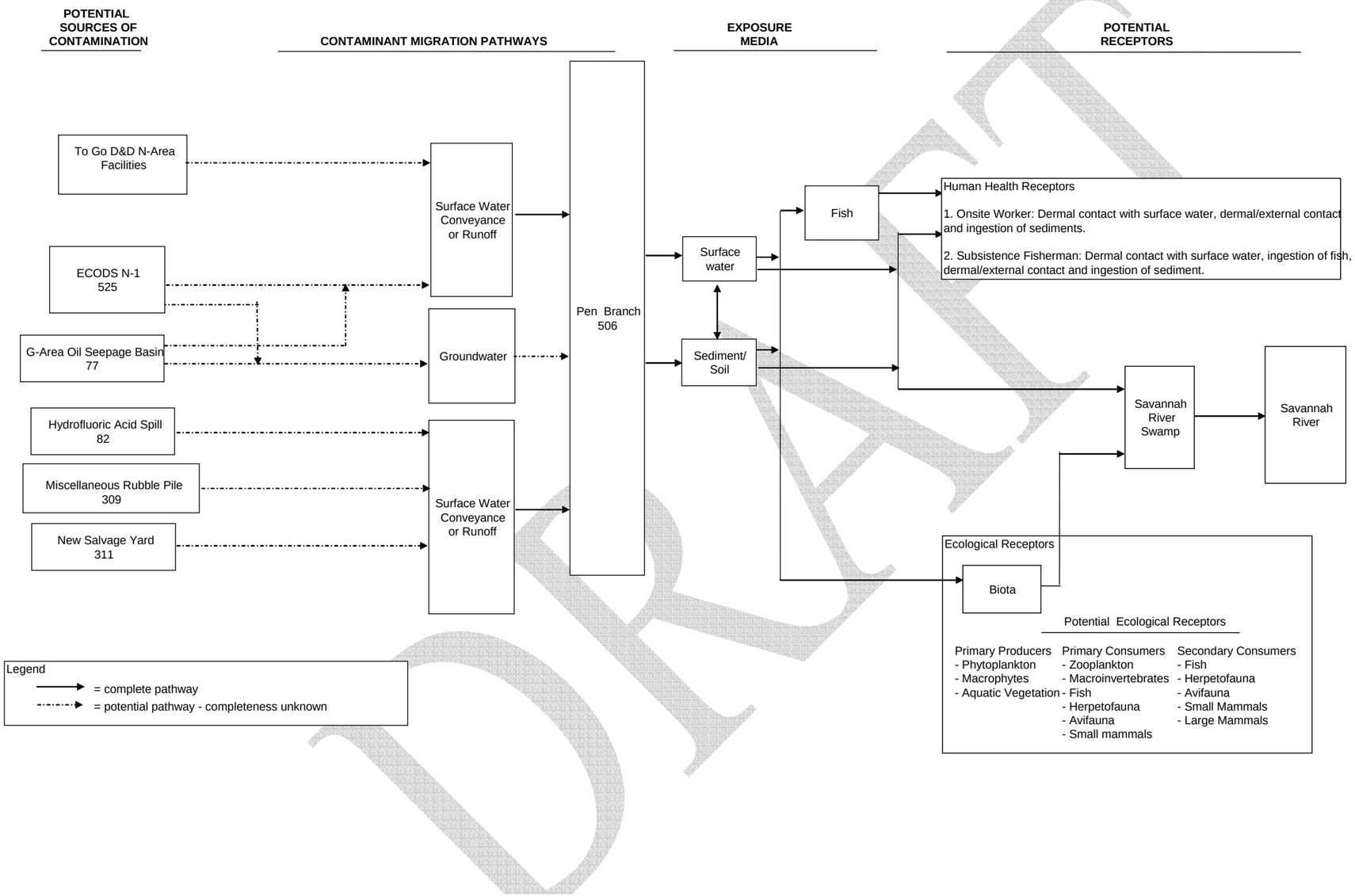
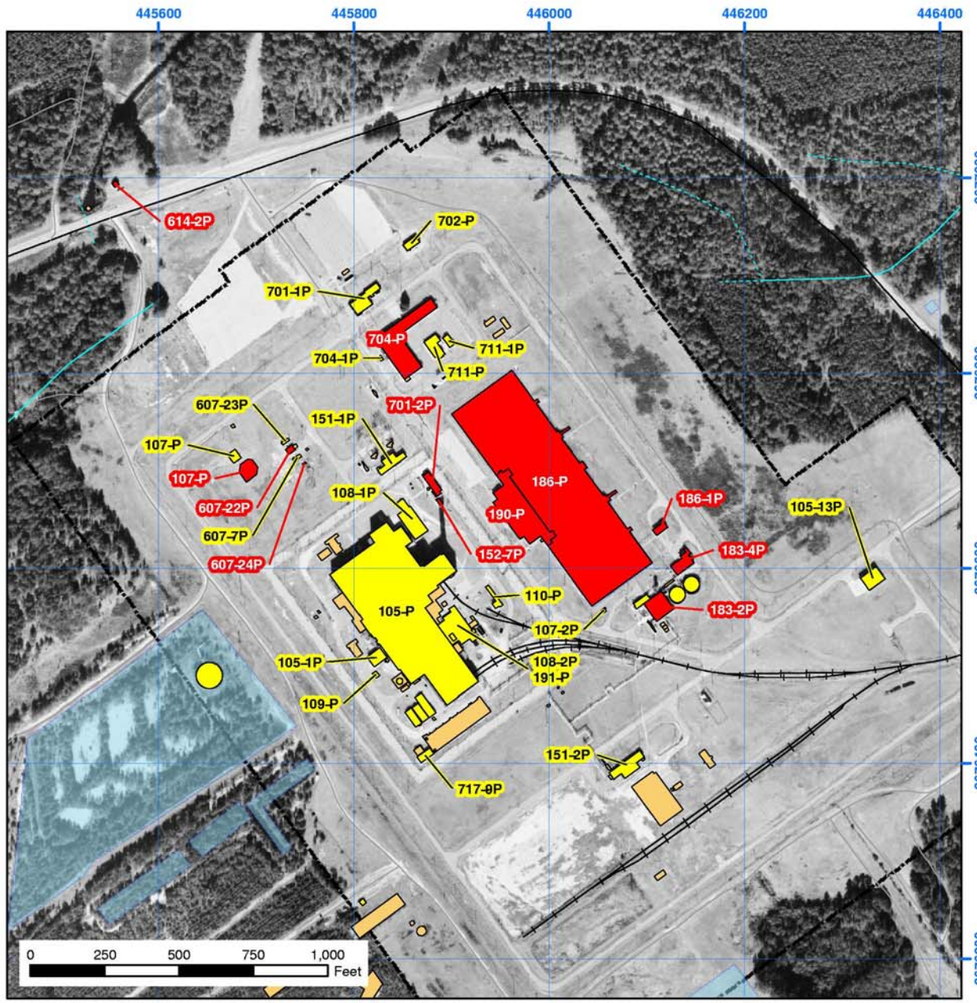
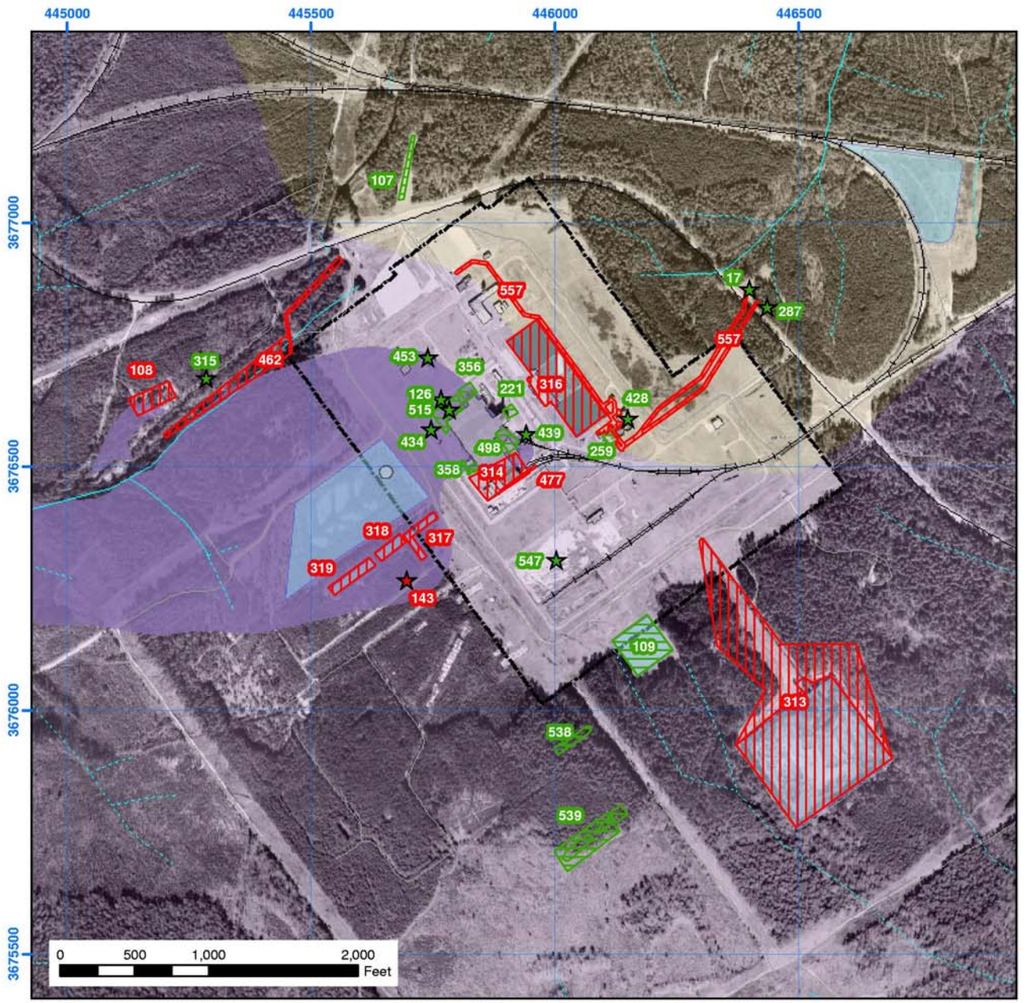


Figure 4.17b.2. N-Area CSM for Pen Branch

Lower Three Runs Watershed | **4.18a –P Area Hazard Map** | **Savannah River Site**



EM Facilities 1:5,000



Waste Units 1:10,000

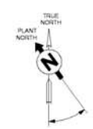
Railroad Centerline, USGS 1:24000
Roads, SRS GPS Centerline
Primary
Secondary
Tertiary
Streams, USGS SRS
Intermittent
Perennial
Waterbodies, USGS
Stream-Perennial (Double)
Lake/Pond-Perennial
Lake/Pond-Intermittent
Canal-Intermittent (Double)
Marsh/Swamp
Marsh/Swamp –Wooded
Pits-Gravel/Borrow/Sand/Clay
Sewage Disposal/Filtration Plant
Industrial Water Impoundment
Basins, SRS Man-Made 1:1200
Carolina Bay –Distinct
Carolina Bay –Indistinct
Carolina Bay –Indistinct, Distrubed
Boundary, SRS Area
Boundary, SRS Facility Area
Buildings, Complete
Buildings, To Go (2004 –2006)
Buildings, To Go (2007 –2025)
Pads

March 26, 2004

Projection: Universal Tranverse Mercator
Datum: North American Datum 1927
Zone: 17
To place on the North American Datum 1983, move the projection lines 13 meters south and 15 meters west.

Aerial Photograph, 2001 False Color Infrared rendered grayscale.

Disclaimer:This product was prepared as an account of work sponsored by an agency of the United States Government. Neither the United States Government nor any agency thereof, nor any of their employees, makes any warranty, express or implied.



Waste Points
TO GO
COMPLETE
Waste Units
TO GO
COMPLETE
Boundary, SRS Facility Area
Buildings, SRS 1:1200
Roads, SRS GPS Centerline
Primary
Secondary
Tertiary
Railroad Centerline, USGS 1:24000
Streams, USGS SRS
Intermittent
Perennial
Carolina Bay –Distinct
Carolina Bay –Indistinct
Carolina Bay –Indistinct, Distrubed
Waterbodies, USGS
Stream-Perennial (Double)
Lake/Pond-Perennial
Lake/Pond-Intermittent
Canal-Intermittent (Double)
Marsh/Swamp
Marsh/Swamp –Wooded
Pits-Gravel/Borrow/Sand/Clay
Sewage Disposal/Filtration Plant
Industrial Water Impoundment
Basins, SRS Man-Made 1:1200
Groundwater Plumes
Watersheds
Fourmile Branch
Lower Three Runs
Pen Branch
Salkehatchie River
Savannah River / Floodplain / Swamp
Steel Creek
Upper Three Runs

4-18a_P.mxd

P Area

Lower Three Runs Watershed

Waste Units

Complete

To Go

17 P-Area Acid/Caustic Basin, 904-78G
107 P-Area Bingham Pump Outage Pit, 643-4G
108 P-Area Burning/Rubble Pit, 131-P
109 P-Area Coal Pile Runoff Basin, 189-P
126 Spill On 03/15/79 Of 500 Gallons Of Contaminated Water, Nbn
143 P-Area Reactor Groundwater
221 Sandblast Area Cmp-003, Nbn
259 Combined Spills From 183-2P, Nbn
287 P-Area Acid/Caustic Basin (Groundwater)
313 P-Area Ash Basin, 188-0P
314 P-Area Disassembly Basin, 105-P
315 P-Area Erosion Control Site, 131-1P
316 P-Area Reactor Cooling Water System, 186/190-P
317 P-Area Reactor Seepage Basin, 904-061G
318 P-Area Reactor Seepage Basin, 904-062G
319 P-Area Reactor Seepage Basin, 904-063G
356 Sandblast Area Cmp-004, Nbn
358 Sandblast Area Cmp-001, Nbn
428 Spill On 05/24/82 Of 10 Gal Of 31.5% Acid Acid From 183-P, Nbn
434 Spill On 05/09/85 Of 375 Gal Of Process Water From 106-P, Nbn
439 Spill On 06/26/86 Of 1 Gal Of Tritiated Waste Oil From 110-P, Nbn
453 Spill On 09/28/87 Of <30 Gal Of Bromocide Soln From 607-22P, Nbn
462 P-Area Reactor Discharge Canal, Nbn
477 P Reactor Area: P-Area Reactor Area Cask Car Railroad Tracks As Abandoned, Nbn
498 Sandblast Area Cmp-002, Nbn
515 Combined Spills From 105-P, 106-P, And 109-P, Nbn
538 Ecods P-1 (South Of P Area)
547 P-Area Coal Pile, Nbn
557 P-Area Process Sewer Lines As Abandoned, Nbn

EM Facilities

Unit No	Bldg No	Name
1002	105-13P	HEAVY WATER STORAGE FACILITY
1009	105-P	REACTOR BUILDING
1014	107-P	COOLING WATER EFFLUENT SUMP
1018	108-1P	ENGINE HOUSE
1023	108-2P	ENGINE HOUSE
1032	151-1P	PRIMARY SUBSTATION (HIGH VOLT 115/13.8)
1037	151-2P	PRIMARY SUBSTATION (HIGH VOLT 115/13.8)
1041	152-7P	GENERATOR ROOM
1045	183-2P	FILTER AND SOFTENER PLANT
1051	183-4P	CLARIFICATION PLANT (MISC. SERVICES)
1059	186-1P	SODIUM HYPOCHLORITE TANK STORAGE
1063	186-P	COOLING WATER RESERVOIR
1068	190-P	COOLING WATER PUMP HOUSE
1454	607-22P	CHEMICAL FEED FACILITY
1456	607-24P	EQULIZATION BASIN
1496	614-2P	EFFLUENT MONITORING BUILDING
1596	701-1P	AREA GATEHOUSE & PATROL HQ.
1605	701-2P	GATEHOUSE ENTRANCE AT BLDG. 105
1623	702-P	TELEPHONE EXCHANGE BUILDING
1666	704-P	AREA ADM. & SERVICES BUILDING

2007 –2025 Note:

FY07 through FY25 is for planning purposes only. Detailed facility information for FY07 and beyond is contained in the SRS Environmental Management Integrated Deactivation and Decommissioning Plan, Rev. 1, September 2003.

March 26, 2004

4-18a_P_table.mxd

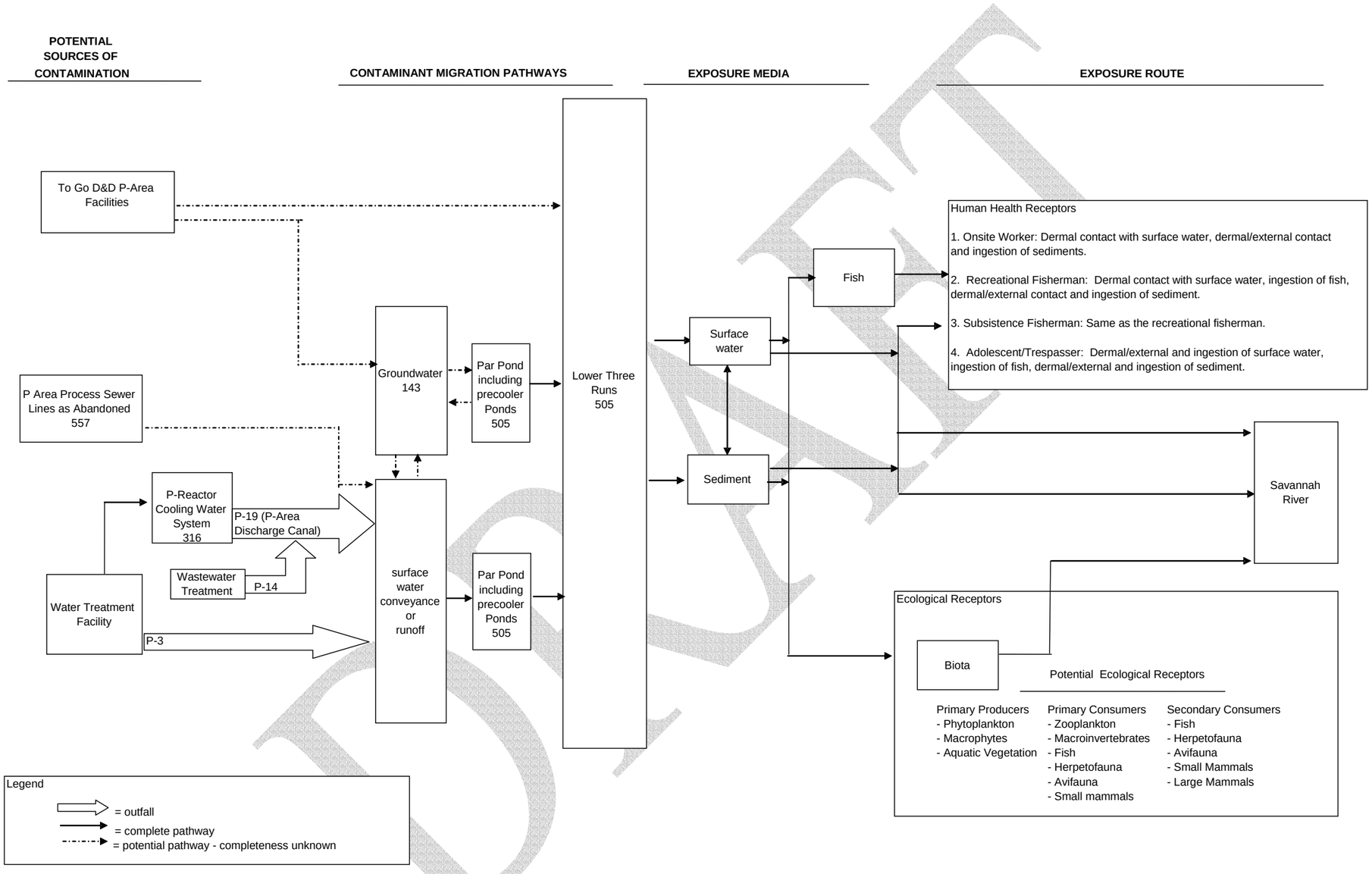


Figure 4.18b.1 P Area CSM for Lower Three Runs

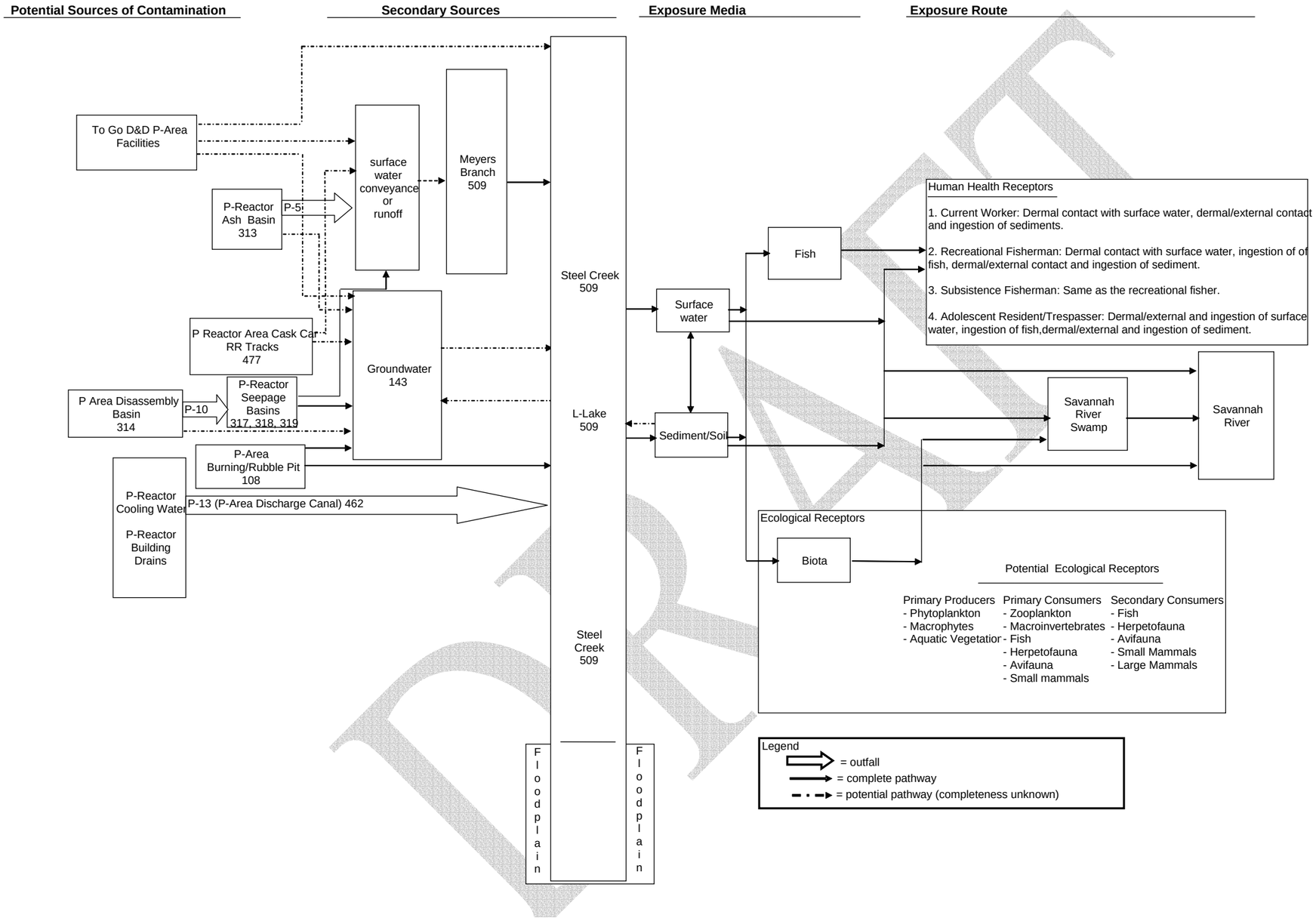
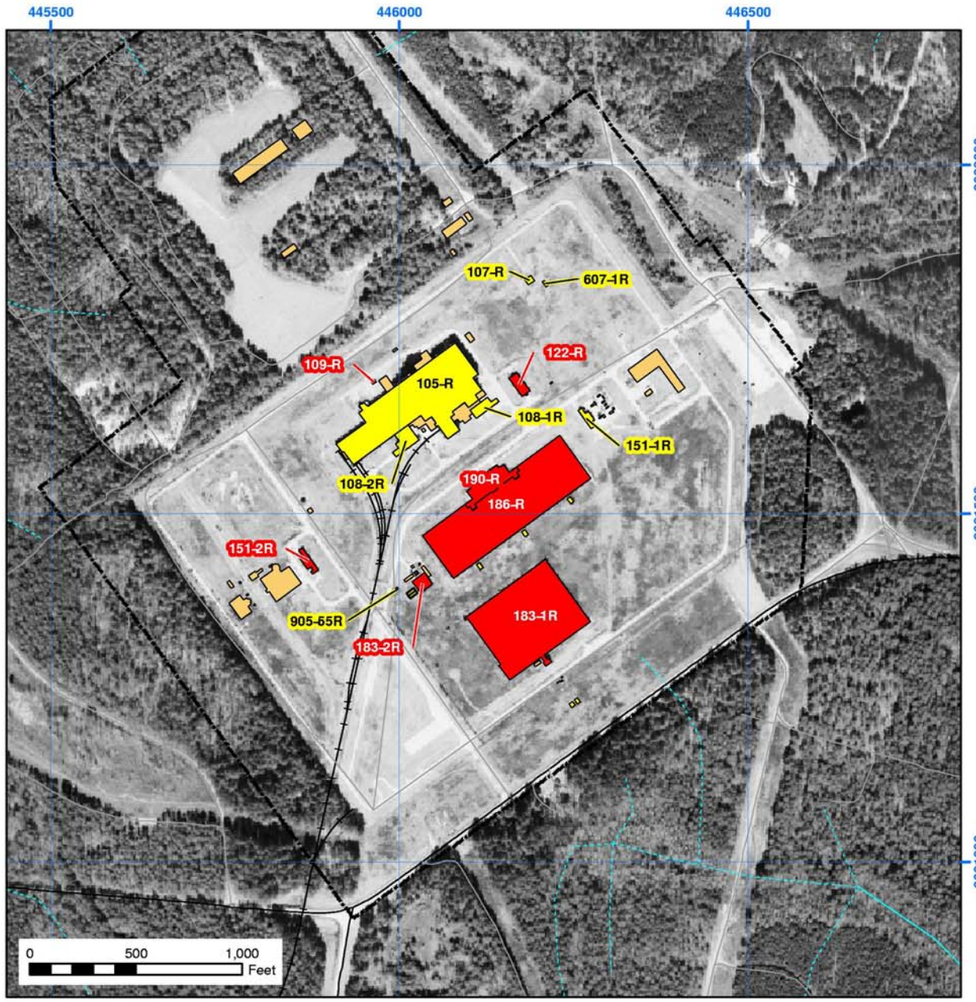
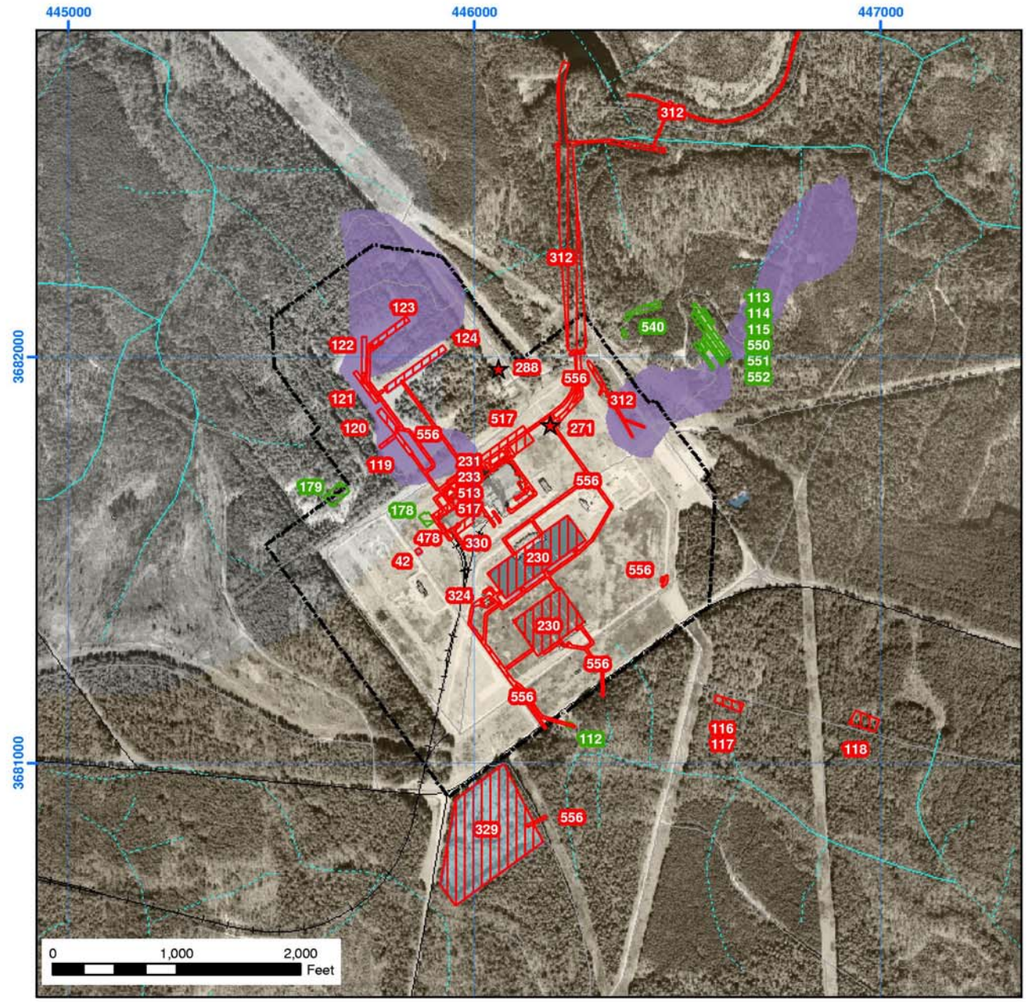


Figure 4.18b.2 P Area CSM for Steel Creek

Lower Three Runs Watershed | **4.19a –R Area Hazard Map** | **Savannah River Site**



EM Facilities 1:7,000



Waste Units 1:12,000

Railroad Centerline, USGS 1:24000
Roads, SRS GPS Centerline
Primary
Secondary
Tertiary
Streams, USGS SRS
Intermittent
Perennial
Waterbodies, USGS
Stream-Perennial (Double)
Lake/Pond-Perennial
Lake/Pond-Intermittent
Canal-Intermittent (Double)
Marsh/Swamp
Marsh/Swamp –Wooded
Pits-Gravel/Borrow/Sand/Clay
Sewage Disposal/Filtration Plant
Industrial Water Impoundment
Carolina Bay –Distinct
Carolina Bay –Indistinct
Carolina Bay –Indistinct, Distrubed
Boundary, SRS Area
Boundary, SRS Facility Area
Buildings, Complete
Buildings, To Go (2004 –2006)
Buildings, To Go (2007 –2025)
Pads

March 26 2004

Projection: Universal Tranverse Mercator
Datum: North American Datum 1927
Zone: 17 N
To place on the North American Datum 1983, move the projection lines 13 meters south and 15 meters west.

Aerial Photograph, 2001 False Color Infrared rendered grayscale.

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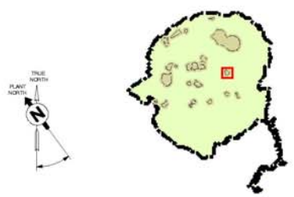


Waste Points
TO GO
COMPLETE
Waste Units
TO GO
COMPLETE
Boundary, SRS Facility Area
Buildings, SRS 1:1200
Roads, SRS GPS Centerline
Primary
Secondary
Tertiary
Railroad Centerline, USGS 1:24000
Streams, USGS SRS
Intermittent
Perennial
Carolina Bay –Distinct
Carolina Bay –Indistinct
Carolina Bay –Indistinct, Distrubed
Waterbodies, USGS
Stream-Perennial (Double)
Lake/Pond-Perennial
Lake/Pond-Intermittent
Canal-Intermittent (Double)
Marsh/Swamp
Marsh/Swamp –Wooded
Pits-Gravel/Borrow/Sand/Clay
Sewage Disposal/Filtration Plant
Industrial Water Impoundment
Basins, SRS Man-Made 1:1200
Groundwater Plumes
Watersheds
Fourmile Branch
Lower Three Runs
Pen Branch
Salkehatchie River
Savannah River / Floodplain / Swamp
Steel Creek
Upper Three Runs

4-19a_R.mxd

R Area

Lower Three Runs Watershed

Waste Units

Complete

To Go

42 108-4R Overflow Basin, 108-4R
112 R-Area Acid/Caustic Basin, 904-77G
113 R-Area Bingham Pump Outage Pits, 643-10G
114 R-Area Bingham Pump Outage Pits, 643-8G
115 R-Area Bingham Pump Outage Pits, 643-9G
116 R-Area Burning/Rubble Pits, 131-1R
117 R-Area Burning/Rubble Pits, 131-R
118 R-Area Rubble Pile, 631-25G
119 R-Area Reactor Seepage Basins, 904-103G
120 R-Area Reactor Seepage Basins, 904-104G
121 R-Area Reactor Seepage Basins, 904-57G
122 R-Area Reactor Seepage Basins, 904-58G
123 R-Area Reactor Seepage Basins, 904-59G
124 R-Area Reactor Seepage Basins, 904-60G
178 R-Area Asbestos Pit, 080-01R
179 R-Area Rubble, Pit 131-2R
230 R-Area Concrete Lake, 183-1R/186R
231 Area On The North Side Of Building 105-R, Nbn
233 Laydown Area North Of 105R, Nbn
271 Cooling Water Effluent Sump, 107-R
288 R-Area Groundwater, Nbn
312 Old R-Area Discharge Canal, Nbn
324 Potential Release Of Naoh/H2 So4 From 183-2R, Nbn
329 R-Area Ash Basin, 188-0R
330 R-Area Disassembly Basin, 105-R
478 R Reactor Area: R-Area Reactor Area Cask Car Railroad Tracks As Abandoned, Nbn
513 Release From The Decontamination Of R-Area Reactor Disassembly Basin, Nbn
517 Combined Spills North Of Building 105-R, Nbn
540 Ecods R-1A, -1B, -1C (East Of R Reactor)
550 R-Area Unknown Pit #1 (Runk-1), Nbn
551 R-Area Unknown Pit #2 (Runk-2), Nbn
552 R-Area Unknown Pit #3 (Runk-3), Nbn
556 R-Area Process Sewer Lines As Abandoned, Nbn

EM Facilities

Unit No	Bldg No	Name
1010	105-R	REACTOR BUILDING (STANDBY)
1019	108-1R	ENGINE HOUSE (STANDBY)
1024	108-2R	ENGINE HOUSE (STANDBY)
1026	109-R	PURGE WATER STORAGE BASIN (IN STANDBY)
1028	122-R	PROCESS STORAGE BUILDING
1033	151-1R	PRIMARY SUBSTATION (HIGH VOLT 115/13.8)
1038	151-2R	PRIMARY SUBSTATION (HIGH VOLT 115/13.8)
1042	183-1R	CLARIFICATION PLANT(COOLING WATER)
1046	183-2R	FILTER AND SOFTENER PLANT (STANDBY)
1064	186-R	COOLING WATER RESERVOIR (STANDBY)
1069	190-R	COOLING WATER PUMP HOUSE (STANDBY)

2007 –2025 Note:

FY07 through FY25 is for planning purposes only. Detailed facility information for FY07 and beyond is contained in the SRS Environmental Management Integrated Deactivation and Decommissioning Plan, Rev. 1, September 2003.

March 26, 2004

4-19a_R_table.mxd

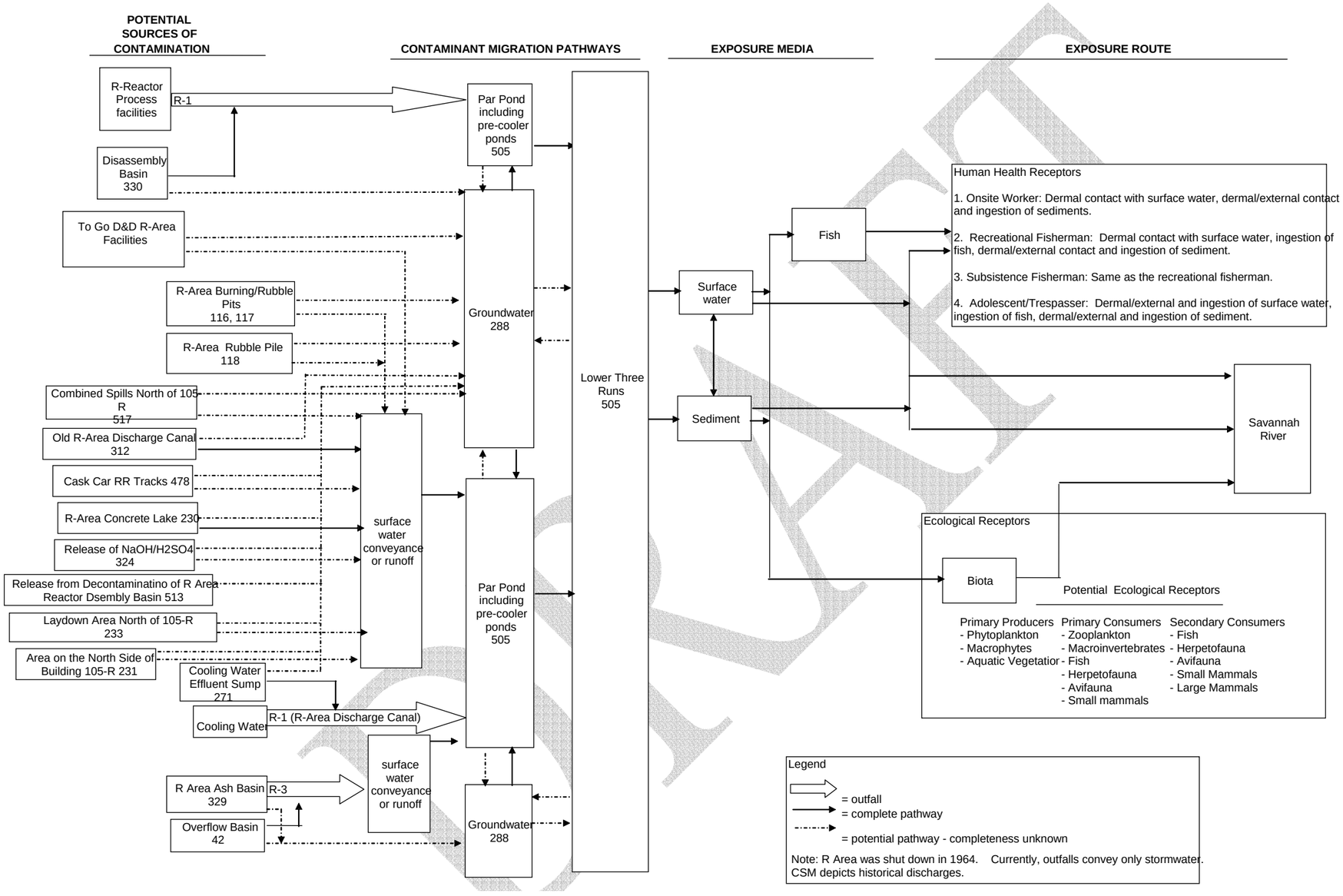


Figure 4.19b.1 R Area CSM for Lower Three Runs

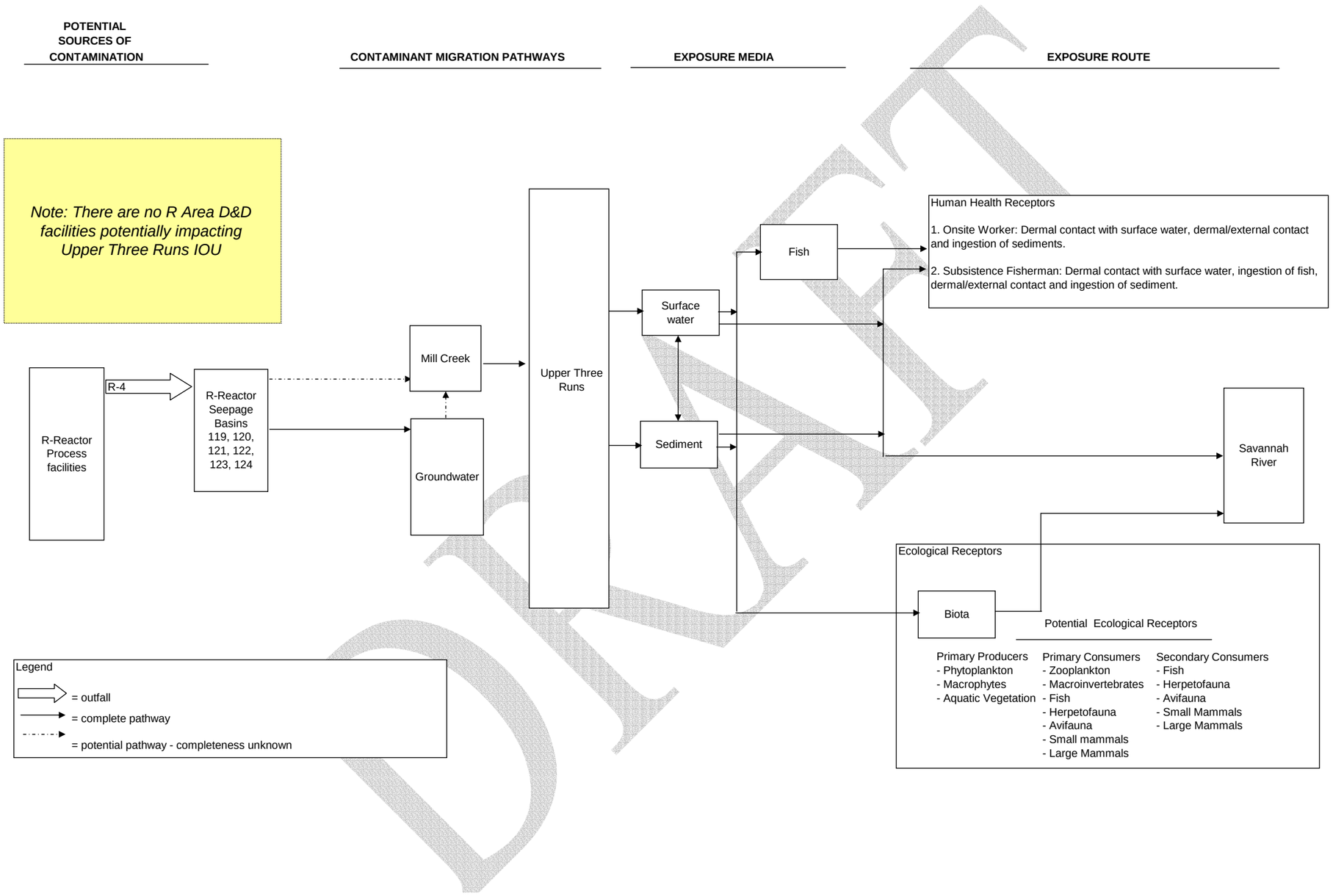
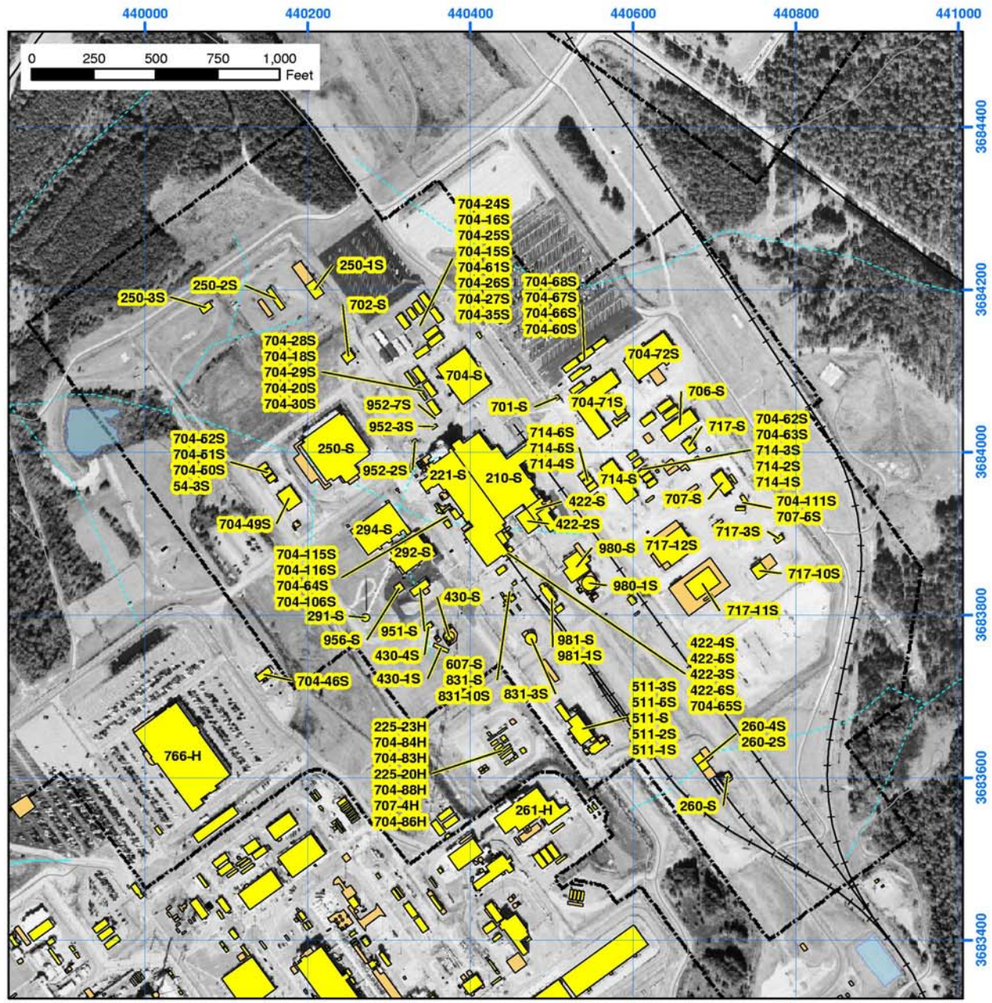
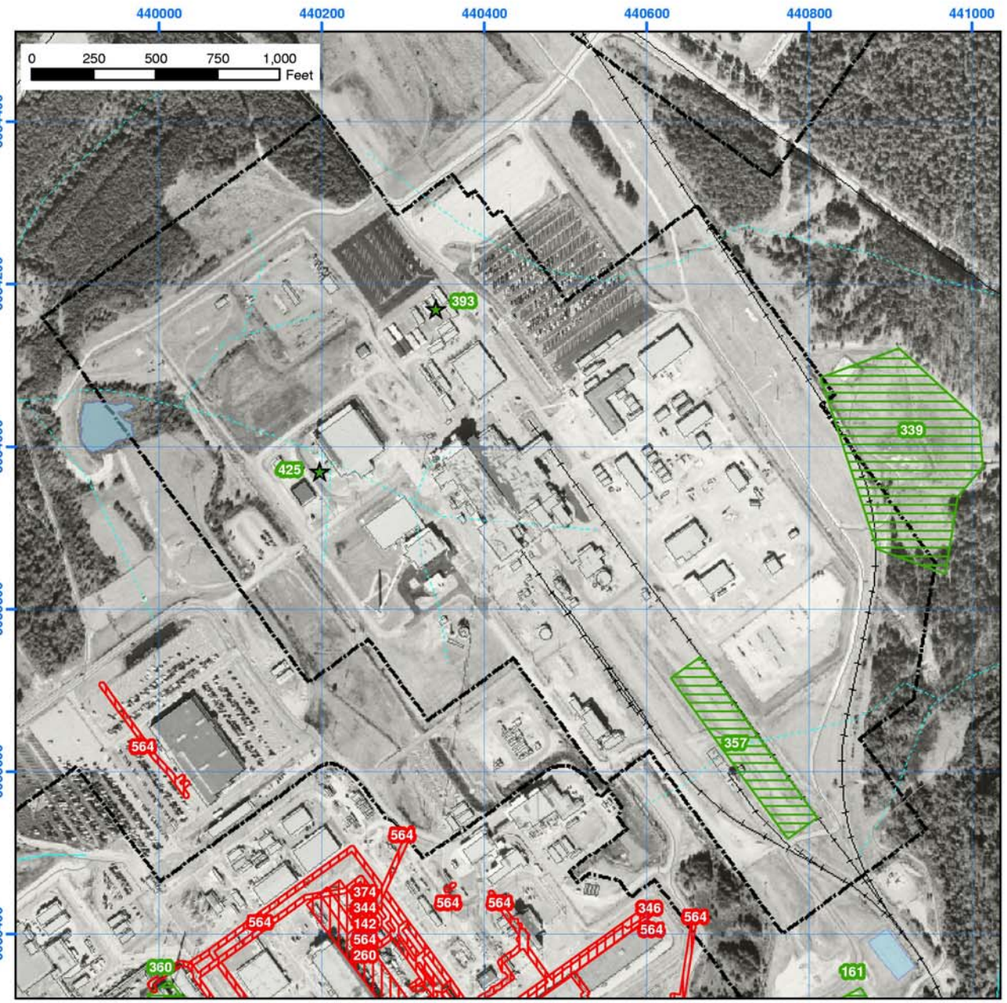


Figure 4.19b.2 R Area CSM for Upper Three Runs

Upper Three Runs Watershed | **4.20a –S Area Hazard Map** | **Savannah River Site**





EM Facilities 1:6,000

Waste Units 1:6,000

Railroad Centerline, USGS 1:24000
Roads, SRS GPS Centerline
Primary
Secondary
Tertiary
Streams, USGS SRS
Intermittent
Perennial
Waterbodies, USGS
Stream-Perennial (Double)
Lake/Pond-Perennial
Lake/Pond-Intermittent
Canal-Intermittent (Double)
Marsh/Swamp
Marsh/Swamp –Wooded
Pits-Gravel/Borrow/Sand/Clay
Sewage Disposal/Filtration Plant
Industrial Water Impoundment
Basins, SRS Man-Made 1:1200
Carolina Bay –Distinct
Carolina Bay –Indistinct
Carolina Bay –Indistinct, Distrubed
Boundary, SRS Area
Boundary, SRS Facility Area
Buildings, Complete
Buildings, To Go (2004 –2006)
Buildings, To Go (2007 –2025)
Pads

Projection: Universal Tranverse Mercator
Datum: North American Datum 1927
Zone: 17
To place on the North American Datum 1983, move the projection lines 13 meters south and 15 meters west.

Aerial Photograph, 2001 False Color Infrared rendered grayscale.

Disclaimer:This product was prepared as an account of work sponsored by an agency of the United States Government. Neither the United States Government nor any agency thereof, nor any of their employees, makes any warranty, express or implied.

Waste Points
TO GO
COMPLETE
Waste Units
TO GO
COMPLETE
Boundary, SRS Facility Area
Buildings, SRS 1:1200
Roads, SRS GPS Centerline
Primary
Secondary
Tertiary
Railroad Centerline, USGS 1:24000
Streams, USGS SRS
Intermittent
Perennial
Carolina Bay –Distinct
Carolina Bay –Indistinct
Carolina Bay –Indistinct, Distrubed
Waterbodies, USGS
Stream-Perennial (Double)
Lake/Pond-Perennial
Lake/Pond-Intermittent
Canal-Intermittent (Double)
Marsh/Swamp
Marsh/Swamp –Wooded
Pits-Gravel/Borrow/Sand/Clay
Sewage Disposal/Filtration Plant
Industrial Water Impoundment
Basins, SRS Man-Made 1:1200
Groundwater Plumes
Watersheds
Fourmile Branch
Lower Three Runs
Pen Branch
Salkehatchie River
Savannah River / Floodplain / Swamp
Steel Creek
Upper Three Runs

March 26, 2004

4-20a_S.mxd

S Area

Upper Three Runs Watershed

Waste Units

Complete

To Go

142 H-Area Inactive Process Sewer Lines From Building To The Security Fence, 081-H
161 Dwpf Concrete Batch Plant, Nbn
260 Combined Spills From 211-H, Nbn
339 S-Area Erosion Control Site, Nbn
344 Sandblast Area Cmh-001, Nbn
346 Sandblast Area Cmh-002, Nbn
357 Sandblast Area Cms-001, Nbn
360 Spill Of <1/2 Lb Mercury In Bldg. 232-H, Nbn
374 Spill On 01/12/87 Of <100 Gm Of Mercury North Of 211-H, Nbn
393 Spill On 02/20/85 Of 1 1/2 Qt Of Acid Mixture From S-Area Trailer S-16, Nbn
425 Spill On 05/21/85 Of 20 Gal Of Acid From S-Area, Nbn
510 Upper Three Runs Integrator Operable Unit (Including Tims Branch)
549 General Separations Area Eastern Groundwater Operable Unit, Nbn
564 H-Area Process Sewer Lines As Abandoned, Nbn

EM Facilities

Unit No	Bldg No	Name
1080	210-S	SERVICE BUILDING
1115	221-S	VITRIFICATION BUILDING
1291	250-1S	SPARE EQUIPMENT STORAGE BUILDING
1292	250-2S	PORTABLE STORAGE BUILDING
1293	250-S	GLASS WASTE STORAGE BUILDING
1311	260-S	CRANE CONTROL BUILDING
1356	291-S	VENT EXHAUST STACK
1364	292-S	FAN HOUSE
1371	294-S	SAND FILTER
1409	422-2S	BULK FRIT FACILITY
1410	422-S	COLD FEED STORAGE
1411	430-1S	REF ORGANIC RECOVERY UNIT
1412	430-S	ORGANIC WASTE STORAGE FAC
1437	511-1S	LOW POINT PUMP PIT HVAC
1438	511-2S	INSTRUMENT SHELTER BUILDING
1439	511-S	LOW POINT PUMP PIT
1440	512-1S	LATEWASH FACILITY HVAC BUILDING
1441	512-6S	LATEWASH LABORATORY
1442	512-7S	LATEWASH COLD CHEMICAL FEED SHELTER
1443	512-S	LATEWASH FACILITY
1490	607-S	S-AREA PUMP STATION FOR WASTEWATER TREATMENT FAC
1613	701-S	ENTRY CONTROL FACILITY
1624	702-S	TELEPHONE BUILDING
1644	704-106S	CYLINDER STORAGE SHELTER
1655	704-71S	TC-S1 ADMINISTRATION BLDG
1656	704-72S	TC-S2 RECEIVING STORES
1667	704-S	OPERATIONS BUILDING
1684	706-S	DISTRIBUTIVE CONTROL STAGING BUILDING
1693	707-S	MAINTANCE SHOP
1747	714-S	SPARE PARTS BUILDING
1759	717-10S	TC-S7 LAB SUPPORT FAC. (FORMERLY 717012 N)
1763	717-11S	TC-S3 PIPE SHOP
1766	717-12S	TC-S5 ELECTRICAL SHOP
1776	717-3S	LUBRICATION STORAGE BUILDING
1790	717-S	OFFICE BUILDING & MAINTENANCE SHOP
1987	831-10S	CHEMICAL STORAGE BUILDING
1988	831-3S	SWIRL CELL FACILITY
1989	831-S	SWIRL CELL FACILITY
2004	951-S	PRIMARY SUBSTATION
2006	952-7S	TRANSFORMER 952-7S
2007	956-S	FUEL OIL STORAGE
2008	980-1S	NEUTRALIZED FIRE WATER TANK
2009	980-S	WATER & CHEMICAL WASTE TREATMENT FAC
2011	981-1S	CHEMICAL TREATMENT FAC
2012	981-S	COOLING TOWER

2007 –2025 Note:

FY07 through FY25 is for planning purposes only. Detailed facility information for FY07 and beyond is contained in the SRS Environmental Management Integrated Deactivation and Decommissioning Plan, Rev. 1, September 2003.

March 26, 2004

4-20a_S_table.mxd

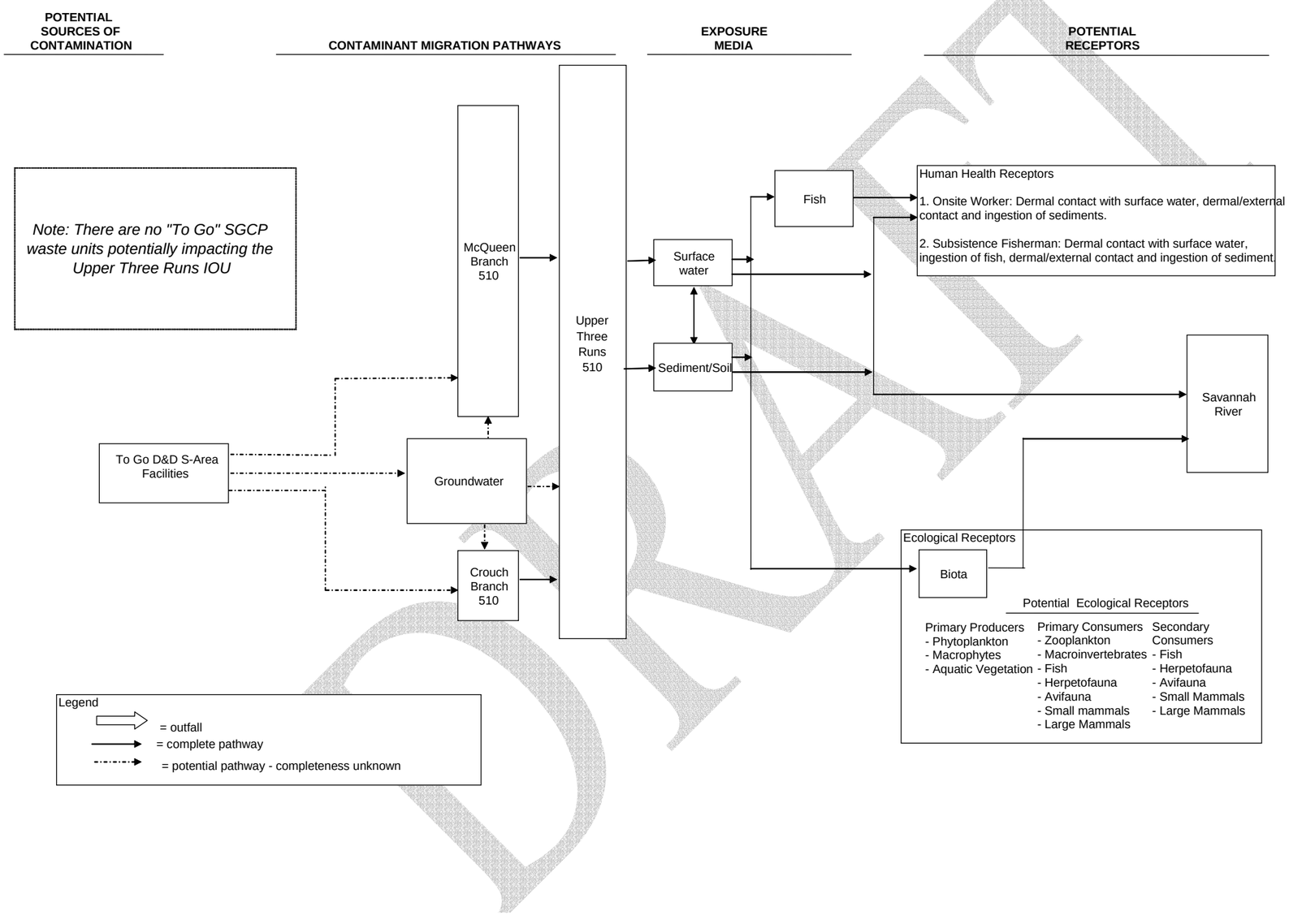


Figure 4.20b S Area CSM for Upper Three Runs

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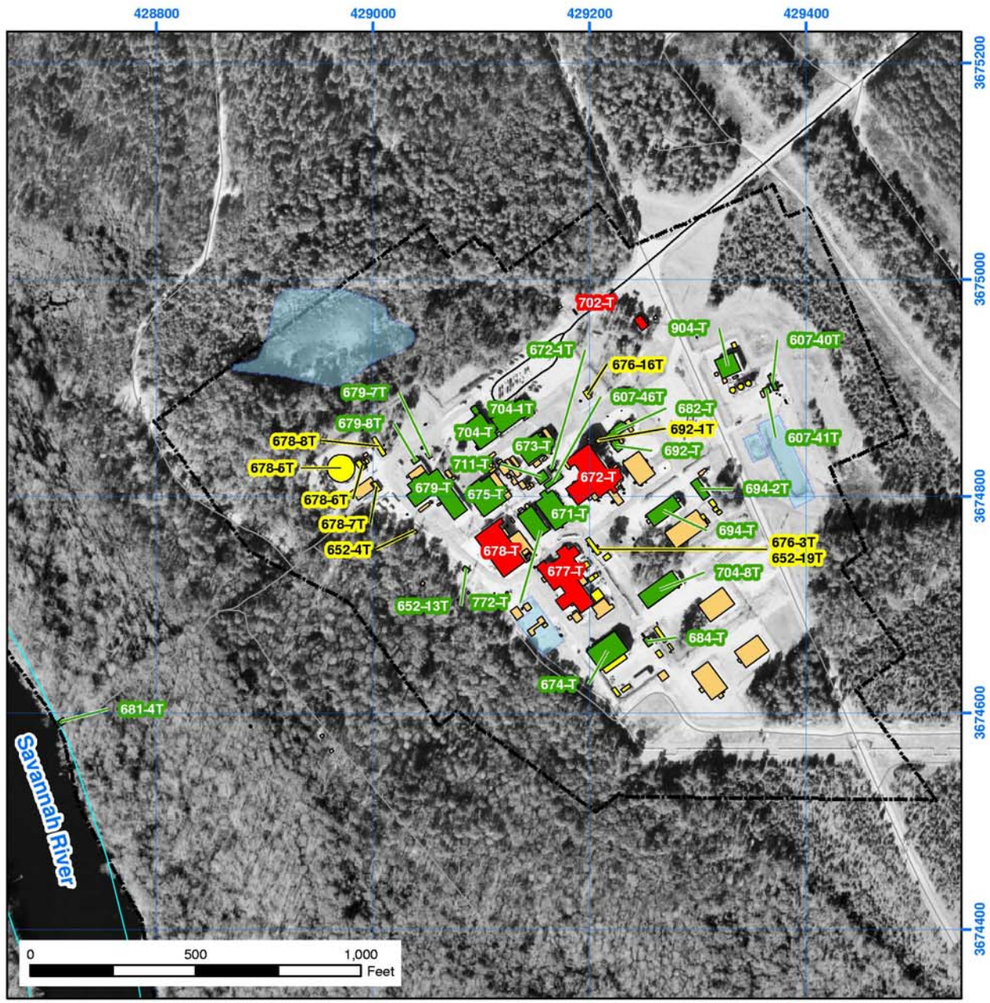
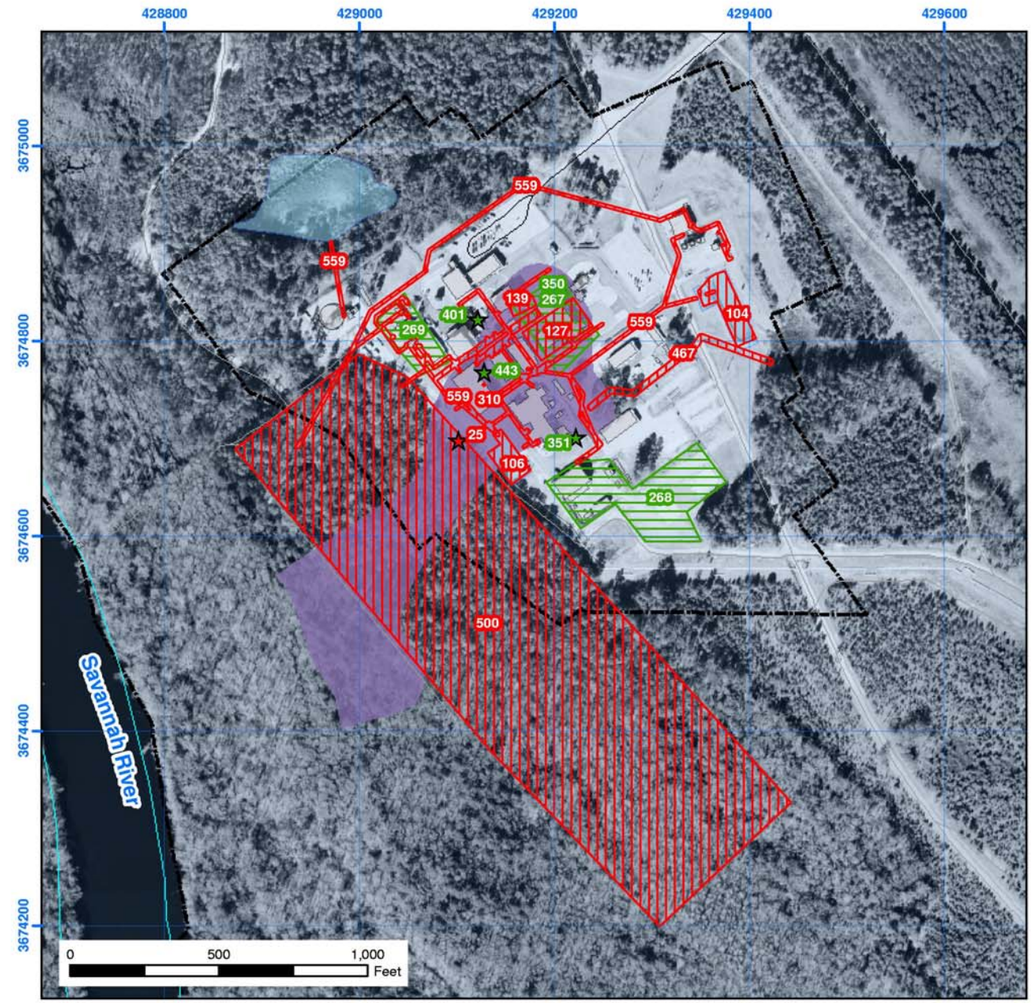
Savannah River Flood Plain / Swamp Watershed

4.21a –T Area Hazard Map

Savannah River Site





EM Facilities 1:4,500

Waste Units 1:5,000

Railroad Centerline, USGS 1:24000
Roads, SRS GPS Centerline
Primary
Secondary
Tertiary
Streams, USGS SRS
Intermittent
Perennial
Waterbodies, USGS
Stream-Perennial (Double)
Lake/Pond-Perennial
Lake/Pond-Intermittent
Canal-Intermittent (Double)
Marsh/Swamp
Marsh/Swamp –Wooded
Pits-Gravel/Borrow/Sand/Clay
Sewage Disposal/Filtration Plant
Industrial Water Impoundment
Basins, SRS Man-Made 1:1200
Carolina Bay –Distinct
Carolina Bay –Indistinct
Carolina Bay –Indistinct, Distrubed
Boundary, SRS Area
Boundary, SRS Facility Area
Buildings, Complete
Buildings, To Go (2004 –2006)
Buildings, To Go (2007 –2025)
Pads

Projection: Universal Tranverse Mercator
Datum: North American Datum 1927
Zone: 17
To place on the North American Datum 1983, move the projection lines 13 meters south and 15 meters west.

Aerial Photograph, 2001 False Color Infrared rendered grayscale.

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Waste Points
TO GO
COMPLETE
Waste Units
TO GO
COMPLETE
Boundary, SRS Facility Area
Buildings, SRS 1:1200
Roads, SRS GPS Centerline
Primary
Secondary
Tertiary
Railroad Centerline, USGS 1:24000
Streams, USGS SRS
Intermittent
Perennial
Carolina Bay –Distinct
Carolina Bay –Indistinct
Carolina Bay –Indistinct, Distrubed
Waterbodies, USGS
Stream-Perennial (Double)
Lake/Pond-Perennial
Lake/Pond-Intermittent
Canal-Intermittent (Double)
Marsh/Swamp
Marsh/Swamp –Wooded
Pits-Gravel/Borrow/Sand/Clay
Sewage Disposal/Filtration Plant
Industrial Water Impoundment
Basins, SRS Man-Made 1:1200
Groundwater Plumes
Watersheds
Fourmile Branch
Lower Three Runs
Pen Branch
Salkehatchie River
Savannah River / Floodplain / Swamp
Steel Creek
Upper Three Runs

March 26, 2004

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T Area

Savannah River Flood Plain/Swamp Watershed

Waste Units

Complete

To Go

25 Tnx Groundwater, 082-G
104 New Tnx Seepage Basin, 904-102G
106 Old Tnx Seepage Basin, 904-076G
127 Spill on 01/12/53 of 1/2 Ton of Uranyl Nitrate, Nbn
139 Tnx Burying Ground, 643-5G
267 Combined Spills from 672-T, Nbn
268 Combined Spills from 674-T (Boneyard), Nbn
269 Combined Spills from 679-T, Nbn
310 Neutralization Sump, 678-T
350 Sandblast Area Cmt-001, Nbn
351 Sandblast Area Cmt-002, Nbn
401 Spill On 03/17/88 Of <1 Gal Of Sulfuric Acid, Nbn
443 Spill On 07/11/84 Of 4 Gal Of Process Solution, Nbn
467 X-001 Outfall Drainage Ditch, Nbn
500 Tnx Outfall Delta, Lower Discharge Gully, and Swamp, Nbn
559 Tnx-Area Process Sewer Lines as Abadoned, Nbn

Unit #206, TNX Rubble Pile, is located North of T Area and is COMPLETE.

EM Facilities

Unit No	Bldg No	Name
1466	607-40T	TNX PACKAGED SANITRY WASTE TREAT PLANT
1467	607-41T	TNX SANITARY WASTE CHEMICAL FEED BLDG.
1468	607-46T	ORGANIC REMOVAL FACILITY
1536	652-13T	SECONDARY TRANS. SUBSTATION #3, TNX
1554	671-T	SERVICE TANKAGE FACILITIES, TNX
1555	672-T	DWPF SEMI-WORKS BUILDING
1556	673-T	CONTAINERIZATION EQUIPMENT DEV FAC TNX
1557	674-T	CHEMICAL STORAGE FACILITY, TNX
1558	675-T	GLASS MELTER BUILDING
1559	677-T	PILOT PLANT BUILDING
1560	678-6T	SEMIWORKS WASTE TANK MOCK-UP
1561	678-T	CHEMICAL SEMIWORKS BLDG (TNX)
1562	679-8T	PUMP HOUSE
1563	679-T	ENGINEERING TEST FAC. (CMX)
1574	682-T	MANUFACTURING BUILDING
1575	684-T	SOLVENT STORAGE BUILDING
1578	692-T	ECR/ICR BUILDING
1579	694-2T	CARPENTER SHOP
1580	694-T	CONSTRUCTION BUILDING
1625	702-T	TELECOMMUNICATION BUILDING
1647	704-1T	TNX ADMINISTRATION BLDG. ANNEX
1657	704-8T	BECTEL OFFICE BUILDING
1668	704-T	TNX AREA ADMINISTRATION BLDG.
1732	711-T	MECHANICAL SERVICES BLDG. TNX
	772-T	CONSOLIDATED LAB
1936	772-T	CONSOLIDATED LAB
1999	904-T	TNX EFFLUENT TREATMENT PLANT

2007 –2025 Note:

FY07 through FY25 is for planning purposes only. Detailed facility information for FY07 and beyond is contained in the SRS Environmental Management Integrated Deactivation and Decommissioning Plan, Rev. 1, September 2003.

March 26, 2004

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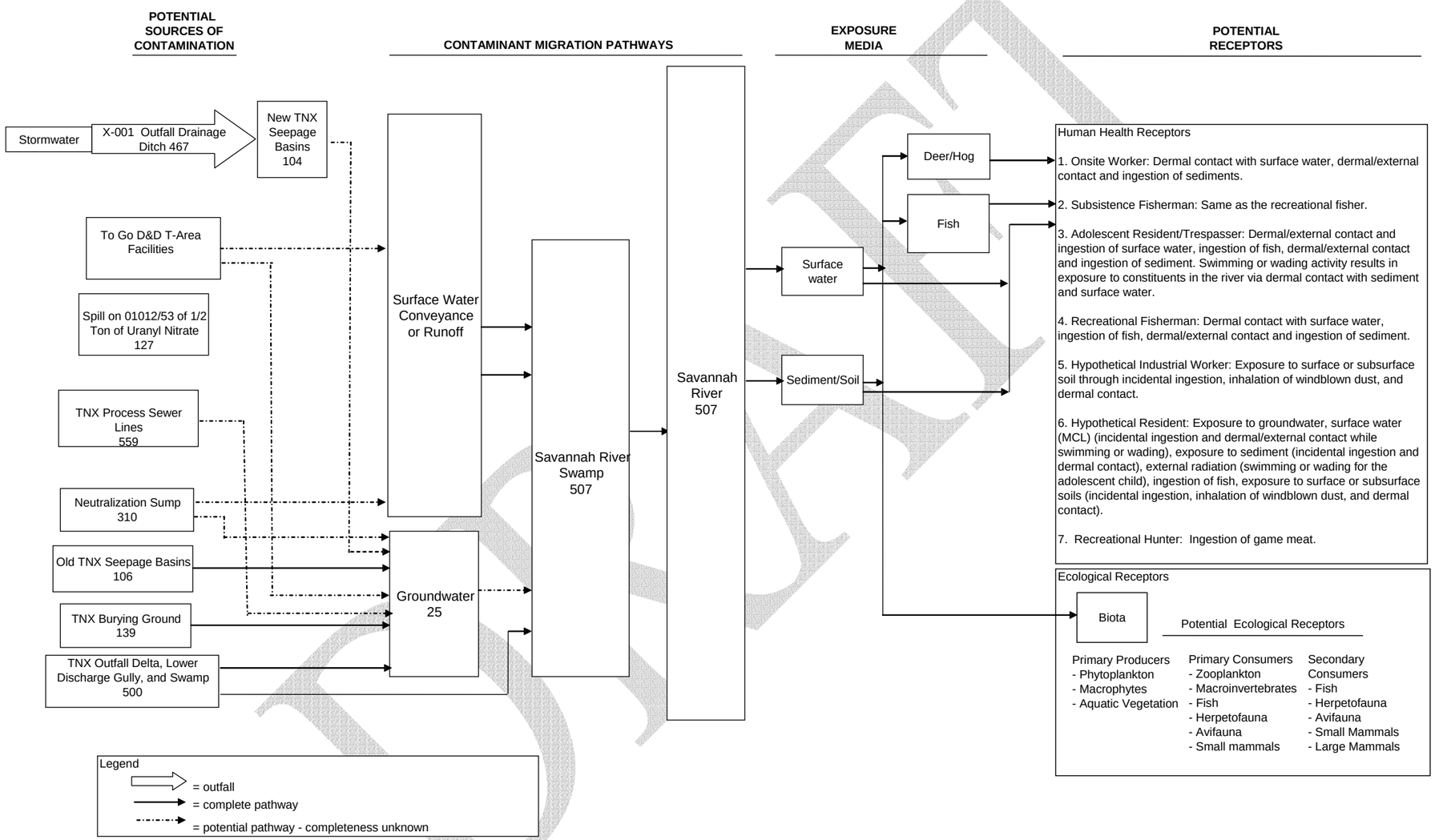

Figure 4.21b T-Area CSM for Savannah River and Floodplain Swamp

Table 4.3a
RBES Planned End State By Area

Unit Index #	Unit Name	Watershed	Facility Area	FY03 Estimated Risk	Status	Institutional Controls in Place	Waste Unit Group (Hazard Type)	Soil Remedial Action	Groundwater Remedial Action (NA)
SRS unique identification waste unit number	Unit Name with facility or building number (NBN = no building number).	One of six SRS Watersheds where the unit resides.	Specific SRS geographic area unit resides.	Relative level of risk to a receptor from the unit, with $<10^{-6}$ being the lowest level and $>>10^{-4}$ being the greatest.	Status of unit in the regulatory cleanup process.	Units checked have SRS controls in place to restrict inappropriate uses of land or facilities when contaminants remain at the unit.	One of 11 generic hazard types used to categorize all SRS waste units. (Definitions in Appendix D.)	Remedial action in place for soils media. (Alpha numerics correspond to actions defined in Appendix D; check mark denotes remedial action as yet to be determined.)	Remedial action in place for groundwater media. (Alpha numerics correspond to actions defined in Appendix D; check mark denotes remedial action as yet to be determined.)
41	SILVERTON ROAD WASTE SITE, 731-3A	Savannah River / Floodplain / Swamp	A	10 -4 to 10-6	Complete	√	5	A.2	B.2
128	SPILL ON 10/13/75 OF 1200 GAL OF PCE, NBN	Savannah River / Floodplain / Swamp	A	< 10-6	Complete		9	A.1	
385	SPILL ON 11/22/85 OF UNKNOWN OF CHROMATED WATER FROM BETWEEN 702-A AND 708-A, NBN	Savannah River / Floodplain / Swamp	A	< 10-6	Complete		9	A.1	
44	716-A MOTOR SHOP SEEPAGE BASIN, 904-101G	Upper Three Runs	A	< 10-6	Complete		6	A.1	
133	SRL SEEPAGE BASINS, 904-53G1	Upper Three Runs	A	10-4 to 10-6	Complete	√	2	A.2, A.3, A.7	
134	SRL SEEPAGE BASINS, 904-53G2	Upper Three Runs	A	10-4 to 10-6	Complete	√	2	A.2, A.3, A.7	
135	SRL SEEPAGE BASINS, 904-54G	Upper Three Runs	A	10-4 to 10-6	Complete	√	2	A.2, A.3, A.7	
136	SRL SEEPAGE BASINS, 904-55G	Upper Three Runs	A	10-4 to 10-6	Complete	√	2	A.2, A.3, A.7	
338	RUBBLE PILE NORTH OF SRL, NBN	Upper Three Runs	A	< 10-6	Complete		5	A.1	
361	SPILL OF 218 GRAMS MERCURY ADJACENT TO BLDG. 780-2A, NBN	Upper Three Runs	A	< 10-6	Complete		9	A.1	
384	SPILL ON 11/21/87 OF 170 GAL OF KOH, SMBS, NAPO4 FROM 784-A, NBN	Upper Three Runs	A	< 10-6	Complete		9	A.1	
419	SPILL ON 05/01/85 OF 1 GAL OF ALCOHOL FROM 779-A, NBN	Upper Three Runs	A	< 10-6	Complete		9	A.1	
449	SPILL ON 09/01/85 OF <1 LB OF MERCURY FROM 748-A, NBN	Upper Three Runs	A	< 10-6	Complete		9	A.1	
521	ECODS A-2 (NEAR SANDBLAST AREA CMM-001, NBN)	Upper Three Runs	A	< 10-6	Complete		5	A.1	
436	SPILL ON 06/16/87 OF ~1 GAL OF WATER - RAD, NBN	Savannah River / Floodplain / Swamp	A	10 -4 to 10-6	In Assessment Phase		9	√	
458	STORMWATER OUTFALL A-024, NBN	Savannah River / Floodplain / Swamp	A	10 -4 to 10-6	In Assessment Phase		9	√	
47	A-AREA COAL PILE RUNOFF BASIN, 788-3A	Upper Three Runs	A	10-4 to 10-6	In Assessment Phase		3	√	
131	SRL 904-A PROCESS TRENCH, 904-A	Upper Three Runs	A	> 10-4	In Assessment Phase		9	√	
236	A-AREA ASH PILE, 788-0A	Upper Three Runs	A	10-4 to 10-6	In Assessment Phase		3	√	
237	A-AREA ASH PILE, 788-2A	Upper Three Runs	A	10-4 to 10-6	In Assessment Phase		3	√	
340	SALVAGE YARD, 740-A	Upper Three Runs	A	10-4 to 10-6	In Assessment Phase		5	√	

Table 4.3a
RBES Planned End State By Area

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359	SMALL ARMS TRAINING AREA (SATA), NBN	Upper Three Runs	A	10-4 to 10-6	In Assessment Phase		9	√	
457	STORMWATER OUTFALL A-002, NBN	Upper Three Runs	A	10-4 to 10-6	In Assessment Phase		9	√	
481	A-001 OUTFALL, NBN	Upper Three Runs	A	> 10-4	In Assessment Phase		9	√	
483	STORMWATER OUTFALL A-013, NBN	Upper Three Runs	A	10-4 to 10-6	In Assessment Phase		9	√	
45	A-AREA BURNING/RUBBLE PITS, 731-1A	Upper Three Runs	A	10-4 to 10-6	In Remediation	√	5	A.2, A.3	B.2, B.4, B.5
46	A-AREA BURNING/RUBBLE PITS, 731-A	Upper Three Runs	A	10-4 to 10-6	In Remediation	√	5	A.2, A.3	B.2, B.4, B.5
48	A-AREA MISCELLANEOUS RUBBLE PILE, 731-6A	Upper Three Runs	A	> 10-4	In Remediation		5	√	√
49	A-AREA RUBBLE PIT, 731-2A	Upper Three Runs	A	10-4 to 10-6	In Remediation		5	√	√
101	MISCELLANEOUS CHEMICAL BASIN, 731-4A	Upper Three Runs	A	> 10-4	In Remediation		6	√	√
102	METALS BURNING PITS, 731-5A	Upper Three Runs	A	10-4 to 10-6	In Remediation		5	√	
155	B-AREA TOWER FOUNDATION RUBBLE PILE, NBN	Savannah River / Floodplain / Swamp	B	< 10-6	Complete		5	A.1	
21	NON-RADIOACTIVE WASTE DISPOSAL FACILITY (AKA SANITARY LANDFILL RCRA PORTION), 740-G	Upper Three Runs	B	10-4 to 10-6	Complete	√	5	A.2, A.3	
22	NON-RADIOACTIVE WASTE DISPOSAL FACILITY (AKA SANITARY LANDFILL) (GROUNDWATER), 740-G	Upper Three Runs	B	10-4 to 10-6	Complete	√	5		B.2, B.3, B.6
37	GRACE ROAD SITE, 631-22G	Upper Three Runs	B	< 10-6	Complete		5	A.1	
149	LOWER KATO ROAD SITE, 761-1G	Upper Three Runs	B	< 10-6	Complete		9	A.1	
151	ORANGEBURG SITE, 761-2G	Upper Three Runs	B	< 10-6	Complete		9	A.1	
167	IMHOFF TANK RUBBLE PILE, NBN	Upper Three Runs	B	< 10-6	Complete		5	A.2, A.3	
168	KATO ROAD SITE, 761-6G	Upper Three Runs	B	< 10-6	Complete		9	A.1	
204	TCU RUBBLE PILE, NBN	Upper Three Runs	B	< 10-6	Complete		9	A.1	
207	ZION FAIR CHURCH SITE, NBN	Upper Three Runs	B	< 10-6	Complete		9	A.1	
209	B-AREA SANITARY TREATMENT PLANT RUBBLE PILE, NBN	Upper Three Runs	B	< 10-6	Complete		5	A.1	

Table 4.3a
RBES Planned End State By Area

Unit Index #	Unit Name	Watershed	Facility Area	FY03 Estimated Risk	Status	Institutional Controls in Place	Waste Unit Group (Hazard Type)	Soil Remedial Action	Groundwater Remedial Action (NA)
SRS unique identification waste unit number	Unit Name with facility or building number (NBN = no building number).	One of six SRS Watersheds where the unit resides.	Specific SRS geographic area unit resides.	Relative level of risk to a receptor from the unit, with $<10^{-6}$ being the lowest level and $>>10^{-4}$ being the greatest.	Status of unit in the regulatory cleanup process.	Units checked have SRS controls in place to restrict inappropriate uses of land or facilities when contaminants remain at the unit.	One of 11 generic hazard types used to categorize all SRS waste units. (Definitions in Appendix D.)	Remedial action in place for soils media. (Alpha numerics correspond to actions defined in Appendix D; check mark denotes remedial action as yet to be determined.)	Remedial action in place for groundwater media. (Alpha numerics correspond to actions defined in Appendix D; check mark denotes remedial action as yet to be determined.)
529	ECODS B-4 (EAST OF B AREA, SOUTH OF ROAD C)	Upper Three Runs	B	< 10-6	Complete		5	A.1	
526	ECODS B-1A, 1B (SOUTH OF B AREA)	Upper Three Runs	B	10-4 to 10-6	Complete		5	√	
527	ECODS B-2 (SOUTH OF B AREA)	Upper Three Runs	B	10-4 to 10-6	Complete		5	√	
491	SANDBLAST AREA CMB-001, NBN	Upper Three Runs	B	10-4 to 10-6	In Assessment Phase		9	√	
528	ECODS B-3 (EAST OF B AREA, SOUTH OF ROAD C)	Upper Three Runs	B	10-4 to 10-6	In Assessment Phase		5	√	
530	ECODS B-5 (ADJACENT TO ECODS B-3)	Upper Three Runs	B	10-4 to 10-6	In Assessment Phase		5	√	
1	TANK 105-C HAZARDOUS WASTE MANAGEMENT FACILITY	Fourmile Branch	C	< 10-6	Complete		2	A.7//A.1	
52	C-AREA COAL PILE RUNOFF BASIN, 189-C	Fourmile Branch	C	< 10-6	Complete		3	A.7//A.1	
53	C-AREA REACTOR SEEPAGE BASINS, 904-066G	Fourmile Branch	C	10-4 to 10-6	Complete	√	2	A.2, A.3, A.4	
54	C-AREA REACTOR SEEPAGE BASINS, 904-067G	Fourmile Branch	C	10-4 to 10-6	Complete	√	2	A.2, A.3, A.4	
55	C-AREA REACTOR SEEPAGE BASINS, 904-068G	Fourmile Branch	C	10-4 to 10-6	Complete	√	2	A.2, A.3, A.4	
156	C-AREA ASBESTOS PIT, 080-21G	Fourmile Branch	C	< 10-6	Complete		5	A.1	
157	C-AREA ASBESTOS PIT, 080-22G	Fourmile Branch	C	< 10-6	Complete		5	A.1	
158	C-AREA ASH PILE, 188-1C	Fourmile Branch	C	< 10-6	Complete		3	A.7//A.1	
159	C-AREA ASH PILE, 188-2C	Fourmile Branch	C	< 10-6	Complete		3	A.7//A.1	
194	SPILL ON 10/08/83 OF 800 GAL OF LOW LEVEL WATER NEAR 105-C, NBN	Fourmile Branch	C	< 10-6	Complete		9	A.1	
201	SPILL ON 05/08/75 OF 50 GAL OF WASTE WATER - RAD, NBN	Fourmile Branch	C	< 10-6	Complete		9	A.1	
241	C-AREA EROSION CONTROL SITE, 131-1C	Fourmile Branch	C	< 10-6	Complete		9	A.1	
257	COMBINED SPILLS FROM 183-2C, NBN	Fourmile Branch	C	< 10-6	Complete		9	A.1	
373	SPILL ON 01/12/80 OF <5 GAL OF WASTE WATER - RAD, NBN	Fourmile Branch	C	< 10-6	Complete		9	A.1	
392	SPILL ON 02/12/84 OF 200 GAL OF TRITIATED WATER IN C-AREA, NBN	Fourmile Branch	C	< 10-6	Complete		9	A.1	

Table 4.3a
RBES Planned End State By Area

Unit Index #	Unit Name	Watershed	Facility Area	FY03 Estimated Risk	Status	Institutional Controls in Place	Waste Unit Group (Hazard Type)	Soil Remedial Action	Groundwater Remedial Action (NA)
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427	SPILL ON 05/23/75 OF 3 GAL OF WASTE WATER - RAD, NBN	Fourmile Branch	C	< 10-6	Complete		9	A.1	
492	SANDBLAST AREA CMC-001, NBN	Fourmile Branch	C	< 10-6	Complete		9	A.1	
493	SANDBLAST AREA CMC-002, NBN	Fourmile Branch	C	< 10-6	Complete		9	A.1	
494	SANDBLAST AREA CMC-003, NBN	Fourmile Branch	C	< 10-6	Complete		9	A.1	
516	COMBINED SPILLS FROM 105-C, 106-C, AND 109-C, NBN	Fourmile Branch	C	< 10-6	Complete		9	A.1	
522	ECODS C-1 (NEAR C-AREA REACTOR DISCHARGE CANAL)	Fourmile Branch	C	< 10-6	In Assessment Phase		5	A.1, A.2	
146	C-AREA REACTOR GROUNDWATER	Fourmile Branch	C	> 10-4	In Assessment Phase		10		√
210	C-AREA ASH PILE, 188-0C	Fourmile Branch	C	10-4 to 10-6	In Assessment Phase		3	√	
240	C-AREA DISASSEMBLY BASIN, 105-C	Fourmile Branch	C	> 10-4	In Assessment Phase		2	√	
242	C-AREA REACTOR COOLING WATER SYSTEM, 186/190-C	Fourmile Branch	C	10-4 to 10-6	In Assessment Phase		2	√	
475	C AREA: C-AREA REACTOR AREA CASK CAR RAILROAD TRACKS AS ABANDONED, NBN	Fourmile Branch	C	> 10-4	In Assessment Phase		5	√	
489	C-AREA ASH PILE OFF POWERLINE ROAD, NBN	Fourmile Branch	C	10-4 to 10-6	In Assessment Phase		3	√	
511	C-AREA REACTOR DISCHARGE CANAL, NBN	Fourmile Branch	C	> 10-4	In Assessment Phase		9	√	
555	C-AREA PROCESS SEWER LINES AS ABANDONED, NBN	Fourmile Branch	C	> 10-4	In Assessment Phase	√	4	√	
566	OLD C-AREA BURNING/RUBBLE PIT, NBN	Fourmile Branch	C	> 10-4	In Assessment Phase		5	√	
51	C-AREA BURNING/RUBBLE PIT, 131-C	Fourmile Branch	C	> 10-4	In Remediation		5	√	√
26	D-AREA OIL SEEPAGE BASIN, 631-G	Savannah River / Floodplain / Swamp	D	10 -4 to 10-6	Complete	√	6	A.2, A.3, A.7	B.2, B.3
32	D-AREA BURNING/RUBBLE PITS, 431-1D	Savannah River / Floodplain / Swamp	D	10 -4 to 10-6	Complete	√	5	A.2	B.2
33	D-AREA BURNING/RUBBLE PITS, 431-D	Savannah River / Floodplain / Swamp	D	10 -4 to 10-6	Complete	√	5	A.2	B.2
219	SANDBLAST AREA CMD-003, NBN	Savannah River / Floodplain / Swamp	D	< 10-6	Complete		9	A.1	
220	SANDBLAST AREA CMD-001, NBN	Savannah River / Floodplain / Swamp	D	< 10-6	Complete		9	A.1	

Table 4.3a
RBES Planned End State By Area

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232	412-D, 401-D, AND 402-D HEAVY WATER FACILITY AND GAS PLANT (ASBESTOS REMOVAL)	Savannah River / Floodplain / Swamp	D	< 10-6	Complete		2	A.1	
349	SANDBLAST AREA CMD-002, NBN	Savannah River / Floodplain / Swamp	D	< 10-6	Complete		9	A.1	
370	SPILL ON 01/01/86 OF 2 GAL OF 50% SODIUM HYDROXIDE, NBN	Savannah River / Floodplain / Swamp	D	< 10-6	Complete		9	A.1	
389	SPILL ON 12/02/81 OF 800 LB OF HYDROGEN SULFIDE, NBN	Savannah River / Floodplain / Swamp	D	< 10-6	Complete		9	A.1	
421	SPILL ON 05/12/81 OF 400 LB OF HYDROGEN SULFIDE, NBN	Savannah River / Floodplain / Swamp	D	< 10-6	Complete		9	A.1	
441	SPILL ON 06/03/86 OF 5 GAL OF NEUTRALIZATION SYSTEM WATER, NBN	Savannah River / Floodplain / Swamp	D	< 10-6	Complete		9	A.1	
444	SPILL ON 07/21/79 OF UNKNOWN AMOUNT OF ACID IN D-AREA, NBN	Savannah River / Floodplain / Swamp	D	< 10-6	Complete		9	A.1	
448	SPILL ON 08/31/87 OF <100 GAL OF BROMOCIDE SOLN FROM 607-14D, NBN	Savannah River / Floodplain / Swamp	D	< 10-6	Complete		9	A.1	
468	SANDBLAST AREA CMD-004, NBN	Savannah River / Floodplain / Swamp	D	< 10-6	Complete		9	A.1	
229	UNIDENTIFIED TRASH PILE, NBN	Savannah River / Floodplain / Swamp	D	10-4 to 10-6	Complete		5	√	
68	D-AREA ASH BASIN, 488-D	Savannah River / Floodplain / Swamp	D	> 10-4	In Assessment Phase		3	√	
69	D-AREA COAL PILE RUNOFF BASIN, 489-D	Savannah River / Floodplain / Swamp	D	10-4 to 10-6	In Assessment Phase		3	√	
70	D-AREA WASTE OIL FACILITY, 484-D	Savannah River / Floodplain / Swamp	D	10-4 to 10-6	In Assessment Phase		9	√	
211	D-AREA ASBESTOS PIT, 080-20G	Savannah River / Floodplain / Swamp	D	10-4 to 10-6	In Assessment Phase		5	√	
238	D-AREA ASH BASIN, 488-1D	Savannah River / Floodplain / Swamp	D	> 10-4	In Assessment Phase		3	√	
265	COMBINED SPILLS FROM 483-D AND ASSOCIATED AREAS, NBN	Savannah River / Floodplain / Swamp	D	10-4 to 10-6	In Assessment Phase		9	√	
272	D-AREA ASH BASIN, 488-2D	Savannah River / Floodplain / Swamp	D	> 10-4	In Assessment Phase		3	√	
273	D-AREA RUBBLE PIT, 431-2D	Savannah River / Floodplain / Swamp	D	10-4 to 10-6	In Assessment Phase		5	√	
520	D-AREA UPGRADIENT SOURCES	Savannah River / Floodplain / Swamp	D	10-4 to 10-6	In Assessment Phase		10		√
543	ECODS D-1 (NEAR D-AREA RUBBLE PILE, 431-2D)	Savannah River / Floodplain / Swamp	D	10-4 to 10-6	In Assessment Phase		5	√	

Table 4.3a
RBES Planned End State By Area

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548	D-AREA ASH BASIN, 488-4D	Savannah River / Floodplain / Swamp	D	> 10-4	In Assessment Phase		3	√	
16	MIXED WASTE MANAGEMENT FACILITY (INCLUDING THE RCRA REGULATED PORTIONS OF LLRWF 643-7E), 643-28E	Fourmile Branch	E	10-4 to 10-6	Complete	√	1	A.2, A.3	
523	ECODS F-1 (SOUTHEAST OF F-AREA ASH BASIN, 276-0F)	Fourmile Branch	E	< 10-6	Complete		5	A.1	
524	ECODS F-3 (EAST OF ECOD F-1)	Fourmile Branch	E	< 10-6	Complete		5	A.1	
571	Low Level Radioactive Disposal Facility (RCRA Portion)	Fourmile Branch	E	10-4 to 10-6	Complete	√	1	A.2, A.3	
18	OLD RADIOACTIVE WASTE BURIAL GROUND (INCLUDING SOLVENT TANKS 650-01E-22E) 643-E	Fourmile Branch	E	> 10-4	In Remediation		1	√	
20	LOW LEVEL RADIOACTIVE WASTE DISPOSAL FACILITY (NON-HAZARDOUS WASTE DISPOSAL PORTION OF 643-7E), 643-7E	Fourmile Branch	E	> 10-4	In Remediation		1	√	
103	MIXED WASTE MANAGEMENT FACILITY (GROUNDWATER)	Fourmile Branch	E	> 10-4	In Remediation		10		√
3	F-AREA HAZARDOUS WASTE MANAGEMENT FACILITY (F-AREA SEEPAGE BASIN, 904-41G)	Fourmile Branch	F	10-4 to 10-6	Complete	√	2	A.2, A.3	B.2
4	F-AREA HAZARDOUS WASTE MANAGEMENT FACILITY (F-AREA SEEPAGE BASIN, 904-42G)	Fourmile Branch	F	10-4 to 10-6	Complete	√	2	A.2, A.3	B.2
5	F-AREA HAZARDOUS WASTE MANAGEMENT FACILITY (F-AREA SEEPAGE BASIN, 904-43G)	Fourmile Branch	F	10-4 to 10-6	Complete	√	2	A.2, A.3	B.2
71	F-AREA COAL PILE RUNOFF BASIN, 289-F	Fourmile Branch	F	< 10-6	Complete		3	A.7//A.1	
72	F-AREA HAZARDOUS WASTE MANAGEMENT FACILITY (F-AREA INACTIVE PROCESS SEWER LINE 081-1F)	Fourmile Branch	F	< 10-6	Complete		4	A.2, A.3	B.2
73	F-AREA RETENTION BASIN, 281-3F	Fourmile Branch	F	10-4 to 10-6	Complete	√	2	A.2, A.3, A.4	B.2
129	SPILL ON 05/24/84 OF 550 GAL OF SIMULATED SALT SOLUTION, PIZZOLITH 122R IN 643-7	Fourmile Branch	F	< 10-6	Complete		9	A.1	
223	SPILL ON 01/01/59 OF UNKNOWN OF SEEPAGE BASIN PIPE LEAK BETWEEN 904-42G, 904-43G	Fourmile Branch	F	< 10-6	Complete		9	A.1	
281	F-AREA SANITARY SLUDGE LAND APPLICATION SITE, NBN	Fourmile Branch	F	< 10-6	Complete		7	A.1	
363	SPILL ON 01/01/78 OF 50 GAL OF 50% SODIUM HYDROXIDE, NBN	Fourmile Branch	F	< 10-6	Complete		9	A.1	
402	SPILL ON 03/27/80 OF 3 GAL OF NITRIC ACID, NBN	Fourmile Branch	F	< 10-6	Complete		9	A.1	
445	SPILL ON 07/05/88 OF 2 PINT OF 64% NITRIC ACID IN F-AREA, NBN	Fourmile Branch	F	< 10-6	Complete		9	A.1	

Table 4.3a
RBES Planned End State By Area

Unit Index #	Unit Name	Watershed	Facility Area	FY03 Estimated Risk	Status	Institutional Controls in Place	Waste Unit Group (Hazard Type)	Soil Remedial Action	Groundwater Remedial Action (NA)
SRS unique identification waste unit number	Unit Name with facility or building number (NBN = no building number).	One of six SRS Watersheds where the unit resides.	Specific SRS geographic area unit resides.	Relative level of risk to a receptor from the unit, with $<10^{-6}$ being the lowest level and $>>10^{-4}$ being the greatest.	Status of unit in the regulatory cleanup process.	Units checked have SRS controls in place to restrict inappropriate uses of land or facilities when contaminants remain at the unit.	One of 11 generic hazard types used to categorize all SRS waste units. (Definitions in Appendix D.)	Remedial action in place for soils media. (Alpha numerics correspond to actions defined in Appendix D; check mark denotes remedial action as yet to be determined.)	Remedial action in place for groundwater media. (Alpha numerics correspond to actions defined in Appendix D; check mark denotes remedial action as yet to be determined.)
2	F-AREA ACID/CAUSTIC BASIN, 904-47G	Upper Three Runs	F	< 10-6	Complete		8	A.1, A.3	
30	BURMA ROAD RUBBLE PIT, 231-4F	Upper Three Runs	F	< 10-6	Complete		5	A.1	
34	F-AREA BURNING/RUBBLE PITS, 231-1F	Upper Three Runs	F	10-4 to 10-6	Complete	√	5	A.2	
35	F-AREA BURNING/RUBBLE PITS, 231-2F	Upper Three Runs	F	10-4 to 10-6	Complete	√	5	A.2	
36	F-AREA BURNING/RUBBLE PITS, 231-F	Upper Three Runs	F	10-4 to 10-6	Complete	√	5	A.2	
105	OLD F-AREA SEEPAGE BASIN, 904-49G	Upper Three Runs	F	10-4 to 10-6	Complete	√	2	A.2, A.3, A.4, A.7	B.2, B.3
162	FIRE TRAINING PIT AT 709-1F, NBN	Upper Three Runs	F	< 10-6	Complete		9	A.1	
199	SPILL ON 04/15/87 OF 950 GAL OF CHROMATED WATER FROM 772-F, NBN	Upper Three Runs	F	< 10-6	Complete		9	A.1	
200	SPILL ON 05/01/57 OF 125 FT2 OF RAD LIQUID FROM SOLVENT TRAILER, NBN	Upper Three Runs	F	< 10-6	Complete		9	A.1	
212	F-AREA SCRAP LUMBER PILE, 231-3F	Upper Three Runs	F	< 10-6	Complete		5	A.1	
227	SPILL ON 05/14/85 OF 1/2 PINT OF MERCURY NEAR 284-F, NBN	Upper Three Runs	F	< 10-6	Complete		9	A.1	
278	F-AREA EROSION CONTROL SITE, 080-28G	Upper Three Runs	F	< 10-6	Complete		9	A.1	
279	F-AREA RAILROAD CROSSTIE PILE, NBN	Upper Three Runs	F	< 10-6	Complete		5	A.1	
284	F-AREA ACID/CAUSTIC BASIN (GROUNDWATER)	Upper Three Runs	F	< 10-6	Complete		10	A.1	B.1
325	POTENTIAL RELEASE OF NAOH/H2 SO4 FROM 280-1F, NBN	Upper Three Runs	F	< 10-6	Complete		9	A.1	
362	SPILL ON 01/01/57 OF <1 CI OF BETA - GAMMA, NBN	Upper Three Runs	F	< 10-6	Complete		9	A.1	
368	SPILL ON 01/01/85 OF 15 GAL OF 6% POTASSIUM PERMANGANATE, NBN	Upper Three Runs	F	< 10-6	Complete		9	A.1	
372	SPILL ON 01/01/87 OF UNKNOWN OF POTASSIUM PERMANGANATE, NBN	Upper Three Runs	F	< 10-6	Complete		9	A.1	
395	SPILL ON 02/25/87 OF 2 LITER OF SULFURIC ACID BETWEEN 704-8F AND 703-F PARKING L	Upper Three Runs	F	< 10-6	Complete		9	A.1	
416	SPILL ON 04/07/76 OF 200 GAL OF 50% NITRIC ACID, NBN	Upper Three Runs	F	< 10-6	Complete		9	A.1	
422	SPILL ON 05/19/87 OF 1 GAL OF 50% SODIUM HYDROXIDE, NBN	Upper Three Runs	F	< 10-6	Complete		9	A.1	

Table 4.3a
RBES Planned End State By Area

Unit Index #	Unit Name	Watershed	Facility Area	FY03 Estimated Risk	Status	Institutional Controls in Place	Waste Unit Group (Hazard Type)	Soil Remedial Action	Groundwater Remedial Action (NA)
SRS unique identification waste unit number	Unit Name with facility or building number (NBN = no building number).	One of six SRS Watersheds where the unit resides.	Specific SRS geographic area unit resides.	Relative level of risk to a receptor from the unit, with $<10^{-6}$ being the lowest level and $>>10^{-4}$ being the greatest.	Status of unit in the regulatory cleanup process.	Units checked have SRS controls in place to restrict inappropriate uses of land or facilities when contaminants remain at the unit.	One of 11 generic hazard types used to categorize all SRS waste units. (Definitions in Appendix D.)	Remedial action in place for soils media. (Alpha numerics correspond to actions defined in Appendix D; check mark denotes remedial action as yet to be determined.)	Remedial action in place for groundwater media. (Alpha numerics correspond to actions defined in Appendix D; check mark denotes remedial action as yet to be determined.)
424	SPILL ON 05/21/84 OF 20 GAL OF SODIUM HYDROXIDE, NBN	Upper Three Runs	F	< 10-6	Complete		9	A.1	
426	SPILL ON 05/22/86 OF 2 GAL OF 50% SODIUM HYDROXIDE, NBN	Upper Three Runs	F	< 10-6	Complete		9	A.1	
43	211-FB PU-239 RELEASE, 081-F	Fourmile Branch	F	10-4 to 10-6	In Assessment Phase		9	√	
263	COMBINED SPILLS FROM 242-F, NBN	Fourmile Branch	F	> 10-4	In Assessment Phase		9	√	
266	COMBINED SPILLS FROM 643-G, NBN	Fourmile Branch	F	> 10-4	In Assessment Phase		9	√	
270	COMBINED SPILLS FROM 701-1F SPILL, NBN	Fourmile Branch	F	> 10-4	In Assessment Phase		9	√	
277	F-AREA ASH BASIN, 288-1F	Fourmile Branch	F	10-4 to 10-6	In Assessment Phase		3	√	
280	F-AREA RETENTION BASIN, 281-08F	Fourmile Branch	F	> 10-4	In Assessment Phase		2	√	√
283	F-AREA TANK FARM, 241-F	Fourmile Branch	F	>> 10-4	In Assessment Phase		2	√	
376	SPILL ON 01/19/83 OF 1000 FT2 OF RADIOACTIVE SPILL	Fourmile Branch	F	10-4 to 10-6	In Assessment Phase		9	√	
380	SPILL ON 10/01/71 OF 100 SQ FT OF FLUSH WATER - RAD, NBN	Fourmile Branch	F	10-4 to 10-6	In Assessment Phase		9	√	
381	SPILL ON 10/16/81 OF 30 GAL OF LOW LEVEL WASTE FROM TRAILER, NBN	Fourmile Branch	F	10-4 to 10-6	In Assessment Phase		9	√	
399	SPILL ON 03/01/66 OF 500 SQ FT OF FLUSH WATER - RAD, NBN	Fourmile Branch	F	10-4 to 10-6	In Assessment Phase		9	√	
411	SPILL ON 04/14/81 OF 3 GAL OF CONTAMINATED FLUSH WATER, NBN	Fourmile Branch	F	10-4 to 10-6	In Assessment Phase		9	√	
418	SPILL ON 05/01/71 OF UNKNOWN OF SEEPAGE BASIN PIPE LEAK, NBN	Fourmile Branch	F	10-4 to 10-6	In Assessment Phase		9	√	
431	SPILL ON 05/28/81 OF 9000 GAL OF CHROMATED WATER, NBN	Fourmile Branch	F	10-4 to 10-6	In Assessment Phase		9	√	
432	SPILL ON 05/30/78 OF UNKNOWN OF SUMP OVERFLOW, NBN	Fourmile Branch	F	10-4 to 10-6	In Assessment Phase		9	√	
438	SPILL ON 06/26/75 OF 250 CU FT OF RAD CONTAMINATED SOIL, NBN	Fourmile Branch	F	10-4 to 10-6	In Assessment Phase		9	√	
442	SPILL ON 06/06/79 OF <1 GAL OF CONTAMINATED LIQUID, NBN	Fourmile Branch	F	10-4 to 10-6	In Assessment Phase		9	√	
490	SPILL ON 04/57 OF RAD LIQUID FROM SOLVENT TRAILER, NBN	Fourmile Branch	F	10-4 to 10-6	In Assessment Phase		9	√	
141	F-AREA INACTIVE PROCESS SEWER LINES FROM BUILDING TO THE SECURITY FENCE, 081-1F	Upper Three Runs	F	> 10-4	In Assessment Phase		4	√	

Table 4.3a
RBES Planned End State By Area

Unit Index #	Unit Name	Watershed	Facility Area	FY03 Estimated Risk	Status	Institutional Controls in Place	Waste Unit Group (Hazard Type)	Soil Remedial Action	Groundwater Remedial Action (NA)
SRS unique identification waste unit number	Unit Name with facility or building number (NBN = no building number).	One of six SRS Watersheds where the unit resides.	Specific SRS geographic area unit resides.	Relative level of risk to a receptor from the unit, with $<10^{-6}$ being the lowest level and $>>10^{-4}$ being the greatest.	Status of unit in the regulatory cleanup process.	Units checked have SRS controls in place to restrict inappropriate uses of land or facilities when contaminants remain at the unit.	One of 11 generic hazard types used to categorize all SRS waste units. (Definitions in Appendix D.)	Remedial action in place for soils media. (Alpha numerics correspond to actions defined in Appendix D; check mark denotes remedial action as yet to be determined.)	Remedial action in place for groundwater media. (Alpha numerics correspond to actions defined in Appendix D; check mark denotes remedial action as yet to be determined.)
276	F-AREA ASH BASIN, 288-0F	Upper Three Runs	F	10-4 to 10-6	In Assessment Phase		3	√	
308	LOW LEVEL RADIOACTIVE DRAIN LINES, 772-F	Upper Three Runs	F	10-4 to 10-6	In Assessment Phase		4	√	
343	SANDBLAST AREA CMF-001, NBN	Upper Three Runs	F	10-4 to 10-6	In Assessment Phase		9	√	
394	SPILL ON 02/25/85 OF 20000 CM OF WATER VAPOR - RAD, NBN	Upper Three Runs	F	10-4 to 10-6	In Assessment Phase		9	√	
414	SPILL ON 04/24/91 OF .11 CI OF PU 239, 772-1F	Upper Three Runs	F	10-4 to 10-6	In Assessment Phase		9	√	
429	SPILL ON 05/26/88 OF 10 GAL OF ETHYLENE GLYCOL-RAD FROM 772-F, NBN	Upper Three Runs	F	10-4 to 10-6	In Assessment Phase		9	√	
435	SPILL ON 06/01/59 OF <1 CI OF SEGREGATED SOLVENT FROM 211-F, NBN	Upper Three Runs	F	10-4 to 10-6	In Assessment Phase		9	√	
485	COMBINED SPILLS FROM 221-F, NBN	Upper Three Runs	F	10-4 to 10-6	In Assessment Phase		9	√	
19	F & H-AREA HAZARDOUS WASTE MANAGEMENT FACILITIES (GROUNDWATER)	Fourmile Branch	F	> 10-4	In Remediation		10		√
575	GENERAL SEPARATIONS AREA WESTERN GROUNDWATER OPERABLE UNIT, NBN	Upper Three Runs	F	> 10-4	In Remediation		10		√
6	H-AREA ACID/CAUSTIC BASIN, 904-75G	Fourmile Branch	H	< 10-6	Complete		8	A.1, A.3	
7	H-AREA HAZARDOUS WASTE MANAGEMENT FACILITY (H-AREA SEEPAGE BASIN, 904-44G)	Fourmile Branch	H	10-4 to 10-6	Complete	√	2	A.2, A.3	B.2
8	H-AREA HAZARDOUS WASTE MANAGEMENT FACILITY (H-AREA SEEPAGE BASIN, 904-46G)	Fourmile Branch	H	10-4 to 10-6	Complete	√	2	A.2, A.3	B.2
9	H-AREA HAZARDOUS WASTE MANAGEMENT FACILITY (H-AREA SEEPAGE BASIN, 904-45G)	Fourmile Branch	H	10-4 to 10-6	Complete	√	2	A.2, A.3	B.2
10	H-AREA HAZARDOUS WASTE MANAGEMENT FACILITY (H-AREA SEEPAGE BASIN, 904-56G)	Fourmile Branch	H	10-4 to 10-6	Complete	√	2	A.2, A.3	B.2
80	H-AREA HAZARDOUS WASTE MANAGEMENT FACILITY (H-AREA INACTIVE PROCESS SEWER LINE 081-H)	Fourmile Branch	H	10-4 to 10-6	Complete	√	4	A.2, A.3	B.2
166	H-AREA BURNING PIT, NBN	Fourmile Branch	H	< 10-6	Complete		5	A.1	
214	H-AREA EROSION CONTROL SITE, 080-25G	Fourmile Branch	H	< 10-6	Complete		9	A.1	
285	H-AREA ACID/CAUSTIC BASIN (GROUNDWATER)	Fourmile Branch	H	< 10-6	Complete		10	A.1	B.1
296	H-AREA SANITARY SLUDGE LAND APPLICATION SITE, NBN	Fourmile Branch	H	< 10-6	Complete		7	A.1	

Table 4.3a
RBES Planned End State By Area

Unit Index #	Unit Name	Watershed	Facility Area	FY03 Estimated Risk	Status	Institutional Controls in Place	Waste Unit Group (Hazard Type)	Soil Remedial Action	Groundwater Remedial Action (NA)
SRS unique identification waste unit number	Unit Name with facility or building number (NBN = no building number).	One of six SRS Watersheds where the unit resides.	Specific SRS geographic area unit resides.	Relative level of risk to a receptor from the unit, with $<10^{-6}$ being the lowest level and $>>10^{-4}$ being the greatest.	Status of unit in the regulatory cleanup process.	Units checked have SRS controls in place to restrict inappropriate uses of land or facilities when contaminants remain at the unit.	One of 11 generic hazard types used to categorize all SRS waste units. (Definitions in Appendix D.)	Remedial action in place for soils media. (Alpha numerics correspond to actions defined in Appendix D; check mark denotes remedial action as yet to be determined.)	Remedial action in place for groundwater media. (Alpha numerics correspond to actions defined in Appendix D; check mark denotes remedial action as yet to be determined.)
345	SANDBLAST AREA CMH-003, NBN	Fourmile Branch	H	< 10-6	Complete		9	A.1	
348	SANDBLAST AREA CMH-004, NBN	Fourmile Branch	H	< 10-6	Complete		9	A.1	
365	SPILL ON 01/01/80 OF 5600 LB OF 50% NITRIC ACID, NBN	Fourmile Branch	H	< 10-6	Complete		9	A.1	
386	SPILL ON 11/24/89 OF 10 MCI OF CS - 137 FROM 254-8H, NBN	Fourmile Branch	H	< 10-6	Complete		9	A.1	
357	SANDBLAST AREA CMS-001, NBN	Upper Three Runs	H	< 10-6	Complete		9	A.1	
360	SPILL OF <1/2 LB MERCURY IN BLDG. 232-H, NBN	Upper Three Runs	H	< 10-6	Complete		9	A.1	
364	SPILL ON 01/01/78 OF 600 LB OF 50% SODIUM HYDROXIDE, NBN	Upper Three Runs	H	< 10-6	Complete		9	A.1	
433	SPILL ON 05/04/87 OF 30 GAL OF CAUSTIC FROM 295-H, NBN	Upper Three Runs	H	< 10-6	Complete		9	A.1	
531	ECODS H-1 (WEST OF MAIN H-AREA FACILITIES)	Upper Three Runs	H	< 10-6	Complete		5	A.1	
225	SPILL ON 02/01/57 OF UNKNOWN OF SEEPAGE BASIN PIPE LEAK FROM 904-44G, NBN	Fourmile Branch	H	10-4 to 10-6	In Assessment Phase		9	√	
261	COMBINED SPILLS FROM 241-84H, NBN	Fourmile Branch	H	10-4 to 10-6	In Assessment Phase		9	√	
262	COMBINED SPILLS FROM 241-H, NBN	Fourmile Branch	H	10-4 to 10-6	In Assessment Phase		9	√	
264	COMBINED SPILLS FROM 242-H, NBN	Fourmile Branch	H	10-4 to 10-6	In Assessment Phase		9	√	
274	DITCH TO OUTFALL H-13 (TRIBUTARY TO FOURMILE CREEK), NBN	Fourmile Branch	H	10-4 to 10-6	In Assessment Phase		9	√	
275	DIVERSION BOX - RADIOACTIVITY FROM 907-1H, NBN	Fourmile Branch	H	10-4 to 10-6	In Assessment Phase		9	√	
292	H-AREA ASH BASIN, 288-0H	Fourmile Branch	H	10-4 to 10-6	In Assessment Phase		3	√	
293	H-AREA RETENTION BASIN, 281-08H	Fourmile Branch	H	> 10-4	In Assessment Phase		2	√	
294	H-AREA RETENTION BASIN, 281-1H	Fourmile Branch	H	> 10-4	In Assessment Phase		2	√	
295	H-AREA RETENTION BASIN, 281-2H	Fourmile Branch	H	> 10-4	In Assessment Phase		2	√	
298	H-AREA TANK FARM, 241-H	Fourmile Branch	H	>> 10-4	In Assessment Phase		2	√	
332	SPILL ON 10/07/85 OF 20,000 GALLONS OF CONTAMINATED WATER FROM 244-H, NBN	Fourmile Branch	H	10-4 to 10-6	In Assessment Phase		9	√	

Table 4.3a
RBES Planned End State By Area

Unit Index #	Unit Name	Watershed	Facility Area	FY03 Estimated Risk	Status	Institutional Controls in Place	Waste Unit Group (Hazard Type)	Soil Remedial Action	Groundwater Remedial Action (NA)
SRS unique identification waste unit number	Unit Name with facility or building number (NBN = no building number).	One of six SRS Watersheds where the unit resides.	Specific SRS geographic area unit resides.	Relative level of risk to a receptor from the unit, with $<10^{-6}$ being the lowest level and $>>10^{-4}$ being the greatest.	Status of unit in the regulatory cleanup process.	Units checked have SRS controls in place to restrict inappropriate uses of land or facilities when contaminants remain at the unit.	One of 11 generic hazard types used to categorize all SRS waste units. (Definitions in Appendix D.)	Remedial action in place for soils media. (Alpha numerics correspond to actions defined in Appendix D; check mark denotes remedial action as yet to be determined.)	Remedial action in place for groundwater media. (Alpha numerics correspond to actions defined in Appendix D; check mark denotes remedial action as yet to be determined.)
375	SPILL ON 01/19/80 OF UNKNOWN OF CHROMATED WATER FROM H-AREA PUMP HOUSE, NBN	Fourmile Branch	H	10-4 to 10-6	In Assessment Phase		9	√	
383	SPILL ON 11/10/81 OF 500 GAL OF CHROMATED WATER FROM 243-H, NBN	Fourmile Branch	H	10-4 to 10-6	In Assessment Phase		9	√	
390	SPILL ON 02/01/69 OF UNKNOWN OF WASTE TANK SPILL, NBN	Fourmile Branch	H	10-4 to 10-6	In Assessment Phase		9	√	
403	SPILL ON 03/28/87 OF <15000 GAL OF CHROMATED WATER FROM 241-24H, NBN	Fourmile Branch	H	10-4 to 10-6	In Assessment Phase		9	√	
412	SPILL ON 04/18/80 OF UNKNOWN OF CHROMATED WATER FROM VALVE HOUSE 3, NBN	Fourmile Branch	H	10-4 to 10-6	In Assessment Phase		9	√	
423	SPILL ON 05/02/85 OF 10 GAL OF COOLING WATER FROM TANK FARM, NBN	Fourmile Branch	H	10-4 to 10-6	In Assessment Phase		9	√	
459	STORMWATER OUTFALL H-013, NBN	Fourmile Branch	H	10-4 to 10-6	In Assessment Phase		9	√	
554	H-AREA PROCESS SEWER LINES AS ABANDONED, NBN	Fourmile Branch	H	> 10-4	In Assessment Phase		4	√	
79	H-AREA COAL PILE RUNOFF BASIN, 289-H	Upper Three Runs	H	10-4 to 10-6	In Assessment Phase		3	√	
142	H-AREA INACTIVE PROCESS SEWER LINES FROM BUILDING TO THE SECURITY FENCE, 081-H	Upper Three Runs	H	> 10-4	In Assessment Phase		4	√	
260	COMBINED SPILLS FROM 211-H, NBN	Upper Three Runs	H	10-4 to 10-6	In Assessment Phase		9	√	
344	SANDBLAST AREA CMH-001, NBN	Upper Three Runs	H	10-4 to 10-6	In Assessment Phase		9	√	
346	SANDBLAST AREA CMH-002, NBN	Upper Three Runs	H	10-4 to 10-6	In Assessment Phase		9	√	
374	SPILL ON 01/12/87 OF <100 GM OF MERCURY NORTH OF 211-H, NBN	Upper Three Runs	H	10-4 to 10-6	In Assessment Phase		9	√	
391	SPILL ON 02/01/83 OF 50 GAL OF OIL - RAD, NBN	Upper Three Runs	H	10-4 to 10-6	In Assessment Phase		9	√	
512	COMBINED SPILLS FROM 221-H, NBN	Upper Three Runs	H	10-4 to 10-6	In Assessment Phase		9	√	
27	WARNER'S POND, 685-23G	Fourmile Branch	H	> 10-4	In Remediation		2	√	
28	H-AREA RETENTION BASIN, 281-3H	Fourmile Branch	H	> 10-4	In Remediation		2	√	
29	HP-52 PONDS, NBN	Fourmile Branch	H	> 10-4	In Remediation		2	√	
398	SPILL ON 02/08/78 OF UNKNOWN OF H-AREA PROCESS SEWER LINE CAVE-IN, NBN	Fourmile Branch	H	10-4 to 10-6	In Remediation		9	√	
405	SPILL ON 03/08/78 OF UNKNOWN OF SEEPAGE BASIN PIPE LEAK IN H-AREA SEEPAGE BASIN	Fourmile Branch	H	10-4 to 10-6	In Remediation		9	√	

Table 4.3a
RBES Planned End State By Area

Unit Index #	Unit Name	Watershed	Facility Area	FY03 Estimated Risk	Status	Institutional Controls in Place	Waste Unit Group (Hazard Type)	Soil Remedial Action	Groundwater Remedial Action (NA)
SRS unique identification waste unit number	Unit Name with facility or building number (NBN = no building number).	One of six SRS Watersheds where the unit resides.	Specific SRS geographic area unit resides.	Relative level of risk to a receptor from the unit, with $<10^{-6}$ being the lowest level and $>>10^{-4}$ being the greatest.	Status of unit in the regulatory cleanup process.	Units checked have SRS controls in place to restrict inappropriate uses of land or facilities when contaminants remain at the unit.	One of 11 generic hazard types used to categorize all SRS waste units. (Definitions in Appendix D.)	Remedial action in place for soils media. (Alpha numerics correspond to actions defined in Appendix D; check mark denotes remedial action as yet to be determined.)	Remedial action in place for groundwater media. (Alpha numerics correspond to actions defined in Appendix D; check mark denotes remedial action as yet to be determined.)
417	SPILL ON 05/01/56 OF UNKNOWN OF RETENTION BASIN PIPE LEAK, NBN	Fourmile Branch	H	10-4 to 10-6	In Remediation		9	√	
549	GENERAL SEPARATIONS AREA EASTERN GROUNDWATER OPERABLE UNIT, NBN	Upper Three Runs	H	> 10-4	In Remediation		10		√
11	K-AREA ACID/CAUSTIC BASIN, 904-80G	Pen Branch	K	< 10-6	Complete		8	A.1, A.3	B.1
83	K-AREA BINGHAM PUMP OUTAGE PIT, 643-1G	Pen Branch	K	10-4 to 10-6	Complete	√	2	A.2	
84	K-AREA BURNING/RUBBLE PIT, 131-K	Pen Branch	K	10-4 to 10-6	Complete	√	5	A.2, A.3	B.2, B.3
85	K-AREA COAL PILE RUNOFF BASIN, 189-K	Pen Branch	K	10-4 to 10-6	Complete	√	3	A.2, A.3	B.2
87	K-AREA REACTOR SEEPAGE BASIN, 904-65G	Pen Branch	K	10-4 to 10-6	Complete	√	2	A.2, A.3, A.4, A.7	
88	K-AREA RUBBLE PILE, 631-20G	Pen Branch	K	10-4 to 10-6	Complete	√	5	A.2, A.3	B.2
191	K-AREA SANDBLAST AREA CMK-001	Pen Branch	K	< 10-6	Complete		9	A.1	
222	SPILL ON 01/01/57 OF <1 CI OF BETA - GAMMA, NBN	Pen Branch	K	< 10-6	Complete		9	A.1	
258	COMBINED SPILLS FROM 183-2K, NBN	Pen Branch	K	< 10-6	Complete		9	A.1	
286	K-AREA ACID/CAUSTIC BASIN (GROUNDWATER)	Pen Branch	K	< 10-6	Complete		10	A.1	B.1
299	K-AREA AREA OF CONCERN, NBN	Pen Branch	K	< 10-6	Complete		9	A.1	
341	SANDBLAST AREA CMK-002, NBN	Pen Branch	K	< 10-6	Complete		9	A.1	
342	SANDBLAST AREA CMK-003, NBN	Pen Branch	K	< 10-6	Complete		9	A.1	
378	SPILL ON 01/29/86 OF <5 GAL OF WATER - RAD FROM 106-1C, NBN	Pen Branch	K	< 10-6	Complete		9	A.1	
413	SPILL ON 04/23/82 OF 4800 GAL OF ACID SOLUTION, NBN	Pen Branch	K	< 10-6	Complete		9	A.1	
532	ECODS K-1 (SOUTHEAST OF FORMER LAYDOWN YARD AT K AREA)	Pen Branch	K	< 10-6	Complete		5	A.1	
533	ECODS K-2 (NORTHWEST OF K AREA FACILITIES)	Pen Branch	K	< 10-6	Complete		5	A.1	

Table 4.3a
RBES Planned End State By Area

Unit Index #	Unit Name	Watershed	Facility Area	FY03 Estimated Risk	Status	Institutional Controls in Place	Waste Unit Group (Hazard Type)	Soil Remedial Action	Groundwater Remedial Action (NA)
SRS unique identification waste unit number	Unit Name with facility or building number (NBN = no building number).	One of six SRS Watersheds where the unit resides.	Specific SRS geographic area unit resides.	Relative level of risk to a receptor from the unit, with $<10^{-6}$ being the lowest level and $>>10^{-4}$ being the greatest.	Status of unit in the regulatory cleanup process.	Units checked have SRS controls in place to restrict inappropriate uses of land or facilities when contaminants remain at the unit.	One of 11 generic hazard types used to categorize all SRS waste units. (Definitions in Appendix D.)	Remedial action in place for soils media. (Alpha numerics correspond to actions defined in Appendix D; check mark denotes remedial action as yet to be determined.)	Remedial action in place for groundwater media. (Alpha numerics correspond to actions defined in Appendix D; check mark denotes remedial action as yet to be determined.)
534	ECODS K-3 (SOUTHEAST OF K AREA IN FORMER LAYDOWN YARD)	Pen Branch	K	< 10-6	Complete		5	A.1	
89	K-AREA SLUDGE LAND APPLICATION SITE, 761-4G	Pen Branch	K	10-4 to 10-6	In Assessment Phase		7	√	
300	K-AREA ASH BASIN, 188-0K	Pen Branch	K	10-4 to 10-6	In Assessment Phase		3	√	
301	K-AREA DISASSEMBLY BASIN, 105-K	Pen Branch	K	> 10-4	In Assessment Phase		2	√	
302	K-AREA REACTOR COOLING WATER SYSTEM, 186/190-K	Pen Branch	K	10-4 to 10-6	In Assessment Phase		2	√	
460	K-AREA REACTOR DISCHARGE CANAL, NBN	Pen Branch	K	> 10-4	In Assessment Phase		2	√	
476	K REACTOR AREA: K-AREA REACTOR AREA CASK CAR RAILROAD TRACKS AS ABANDONED, NBN	Pen Branch	K	> 10-4	In Assessment Phase		5	√	
514	COMBINED SPILLS FROM 105-K, 106-K, AND 109-K, NBN	Pen Branch	K	10-4 to 10-6	In Assessment Phase		9	√	
519	K-AREA REACTOR GROUNDWATER (INCLUDING TRITIUM ANOMALY)	Pen Branch	K	> 10-4	In Assessment Phase		10		√
78	GAS CYLINDER DISPOSAL FACILITY, 131-2L	Pen Branch	L	< 10-6	Complete		5	A.1, A.7	
91	L-AREA BINGHAM PUMP OUTAGE PITS, 643-2G	Pen Branch	L	10-4 to 10-6	Complete	√	2	A.2	B.1
92	L-AREA BINGHAM PUMP OUTAGE PITS, 643-3G	Pen Branch	L	10-4 to 10-6	Complete	√	2	A.2	B.1
93	L-AREA BURNING/RUBBLE PIT, 131-L	Pen Branch	L	10-4 to 10-6	Complete	√	5	A.2, A.3, A.7	B.2, B.3
97	L-AREA RUBBLE PILE, 631-26G	Pen Branch	L	10-4 to 10-6	Complete	√	5	A.2, A.3, A.7	B.2, B.3
304	L-AREA EROSION CONTROL SITE, 080-26G	Pen Branch	L	< 10-6	Complete		9	A.1	
169	L-AREA RUBBLE PILE, 131-3L	Pen Branch	L	10-4 to 10-6	Complete	√	5	√	

Table 4.3a
RBES Planned End State By Area

Unit Index #	Unit Name	Watershed	Facility Area	FY03 Estimated Risk	Status	Institutional Controls in Place	Waste Unit Group (Hazard Type)	Soil Remedial Action	Groundwater Remedial Action (NA)
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95	L-AREA ACID/CAUSTIC BASIN, 904-79G	Steel Creek	L	< 10-6	Complete		8	A.1, A.3	B.1
96	L-AREA OIL/CHEMICAL BASIN, 904-83G	Steel Creek	L	10-4 to 10-6	Complete	√	2	A.2, A.3, A.4	
170	L-AREA SCRAP METAL AND WOOD, NBN	Steel Creek	L	< 10-6	Complete		5	A.1	
176	PILE OF TELEPHONE/LIGHT POLES, NBN	Steel Creek	L	< 10-6	Complete		5	A.1	
306	L-AREA REACTOR SEEPAGE BASIN, 904-064G	Steel Creek	L	10-4 to 10-6	Complete	√	2	A.2, A.3	
323	POTENTIAL RELEASE OF NAOH/H2 SO4 FROM 183-2L, NBN	Steel Creek	L	< 10-6	Complete		9	A.1	
495	SANDBLAST AREA CML-001, NBN	Steel Creek	L	< 10-6	Complete		9	A.1	
496	SANDBLAST AREA CML-002, NBN	Steel Creek	L	< 10-6	Complete		9	A.1	
535	ECODS L-1 (EAST OF L AREA)	Steel Creek	L	< 10-6	Complete		5	A.1	
536	ECODS L-2 (EAST OF L AREA)	Steel Creek	L	10-4 to 10-6	Complete		5	A.1	
148	L-AREA ASH BASIN 188-0L	Pen Branch	L	10-4 to 10-6	In Assessment Phase		3	√	
98	L-AREA RUBBLE PIT, 131-1L	Steel Creek	L	< 10-6	In Assessment Phase		5	A.1	
99	L-AREA RUBBLE PIT, 131-4L	Steel Creek	L	10-4 to 10-6	In Assessment Phase		5	√	
303	L-AREA DISASSEMBLY BASIN, 105-L	Steel Creek	L	10-4 to 10-6	In Assessment Phase		2	√	
305	L-AREA REACTOR COOLING WATER SYSTEM, 186/190-L	Steel Creek	L	10-4 to 10-6	In Assessment Phase		2	√	
452	SPILL ON 09/21/84 OF 200 GAL OF WATER -RAD, NBN	Steel Creek	L	10-4 to 10-6	In Assessment Phase		9	√	
479	L REACTOR AREA: L-AREA REACTOR AREA CASK CAR RAILROAD TRACKS AS ABANDONED, NBN	Steel Creek	L	> 10-4	In Assessment Phase		5	√	

Table 4.3a
RBES Planned End State By Area

Unit Index #	Unit Name	Watershed	Facility Area	FY03 Estimated Risk	Status	Institutional Controls in Place	Waste Unit Group (Hazard Type)	Soil Remedial Action	Groundwater Remedial Action (NA)
SRS unique identification waste unit number	Unit Name with facility or building number (NBN = no building number).	One of six SRS Watersheds where the unit resides.	Specific SRS geographic area unit resides.	Relative level of risk to a receptor from the unit, with $<10^{-6}$ being the lowest level and $>>10^{-4}$ being the greatest.	Status of unit in the regulatory cleanup process.	Units checked have SRS controls in place to restrict inappropriate uses of land or facilities when contaminants remain at the unit.	One of 11 generic hazard types used to categorize all SRS waste units. (Definitions in Appendix D.)	Remedial action in place for soils media. (Alpha numerics correspond to actions defined in Appendix D; check mark denotes remedial action as yet to be determined.)	Remedial action in place for groundwater media. (Alpha numerics correspond to actions defined in Appendix D; check mark denotes remedial action as yet to be determined.)
487	L-AREA SOUTHERN GROUNDWATER, NBN	Steel Creek	L	> 10-4	In Assessment Phase		10		√
503	L-AREA NORTHERN GROUNDWATER	Steel Creek	L	10-4 to 10-6	In Assessment Phase		10		√
537	ECODS L-3 (EAST OF L AREA)	Steel Creek	L	10-4 to 10-6	In Assessment Phase		5	√	
94	L-AREA HOT SHOP (INCLUDING SANDBLAST AREA CML-003, NBN), 717-G	Steel Creek	L	> 10-4	In Remediation		9	√	
12	M-AREA HAZARDOUS WASTE MANAGEMENT FACILITY (LOST LAKE)	Savannah River / Floodplain / Swamp	M	10-4 to 10-6	Complete	√	9	A.2, A.7	
13	M-AREA HAZARDOUS WASTE MANAGEMENT FACILITY (M-AREA SETTLING BASIN, 904-51G)	Savannah River / Floodplain / Swamp	M	10-4 to 10-6	Complete	√	2	A.2, A.3, A.4	B.5, B.9
14	M-AREA WEST, 631-21G	Savannah River / Floodplain / Swamp	M	< 10-6	Complete		5	A.1	
187	M-AREA SANDBLAST AREA CMM-006	Savannah River / Floodplain / Swamp	M	< 10-6	Complete		9	A.1	
188	M-AREA SANDBLAST AREA CMM-007	Savannah River / Floodplain / Swamp	M	< 10-6	Complete		9	A.1	
189	M-AREA SANDBLAST AREA CMM-004	Savannah River / Floodplain / Swamp	M	< 10-6	Complete		9	A.1	
190	M-AREA SANDBLAST AREA CMM-005	Savannah River / Floodplain / Swamp	M	< 10-6	Complete		9	A.1	
193	SILVERTON ROAD WASTE TANK PLUGS, NBN	Savannah River / Floodplain / Swamp	M	< 10-6	Complete		5	A.1	
196	SPILL ON 03/30/87 OF 15 GAL OF ACIDIC WATER, NBN	Savannah River / Floodplain / Swamp	M	< 10-6	Complete		9	A.1	
197	SPILL ON 03/30/88 OF 15 GAL OF ACIDIC WATER, NBN	Savannah River / Floodplain / Swamp	M	< 10-6	Complete		9	A.1	
215	POTENTIAL RELEASE OF CAUSTIC/HNO3 FROM 312-M, NBN	Savannah River / Floodplain / Swamp	M	< 10-6	Complete		9	A.1	
224	SPILL ON 10/07/85 OF 1 GAL OF NITRIC ACID AT BARRICADE 10, NBN	Savannah River / Floodplain / Swamp	M	< 10-6	Complete		9	A.1	
322	POTENTIAL RELEASE OF DIESEL FUEL AND BENZENE FROM 730-M, NBN	Savannah River / Floodplain / Swamp	M	< 10-6	Complete		9	A.1	
347	SANDBLAST AREA CMM-002, NBN	Savannah River / Floodplain / Swamp	M	< 10-6	Complete		9	A.1	

Table 4.3a
RBES Planned End State By Area

Unit Index #	Unit Name	Watershed	Facility Area	FY03 Estimated Risk	Status	Institutional Controls in Place	Waste Unit Group (Hazard Type)	Soil Remedial Action	Groundwater Remedial Action (NA)
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352	SANDBLAST AREA CMM-008, NBN	Savannah River / Floodplain / Swamp	M	< 10-6	Complete		9	A.1	
369	SPILL ON 01/01/85 OF 3 GAL OF ALUMINUM NITRATE, NBN	Savannah River / Floodplain / Swamp	M	< 10-6	Complete		9	A.1	
371	SPILL ON 01/01/87 OF 5 GAL OF 50% SODIUM HYDROXIDE, NBN	Savannah River / Floodplain / Swamp	M	< 10-6	Complete		9	A.1	
377	SPILL ON 01/19/86 OF UNKNOWN OF PLATING SOLUTION, NBN	Savannah River / Floodplain / Swamp	M	< 10-6	Complete		9	A.1	
379	SPILL ON 01/07/87 OF 20 GAL OF CAUSTIC, NBN	Savannah River / Floodplain / Swamp	M	< 10-6	Complete		9	A.1	
388	SPILL ON 12/17/85 OF 2 GAL OF PHOSPHORIC ACID, NBN	Savannah River / Floodplain / Swamp	M	< 10-6	Complete		9	A.1	
397	SPILL ON 02/06/85 OF 50 GAL OF CAUSTIC, NBN	Savannah River / Floodplain / Swamp	M	< 10-6	Complete		9	A.1	
400	SPILL ON 03/11/87 OF 1 GAL OF CAUSTIC, NBN	Savannah River / Floodplain / Swamp	M	< 10-6	Complete		9	A.1	
404	SPILL ON 03/07/86 OF 10 GAL OF ACID, NBN	Savannah River / Floodplain / Swamp	M	< 10-6	Complete		9	A.1	
406	SPILL ON 03/08/86 OF 1/2 PINT OF WATER - RAD, NBN	Savannah River / Floodplain / Swamp	M	< 10-6	Complete		9	A.1	
407	SPILL ON 03/08/86 OF 10 GAL OF NITRIC ACID, NBN	Savannah River / Floodplain / Swamp	M	< 10-6	Complete		9	A.1	
408	SPILL ON 03/08/86 OF 6 GAL OF CAUSTIC, NBN	Savannah River / Floodplain / Swamp	M	< 10-6	Complete		9	A.1	
415	SPILL ON 04/25/87 OF 15 GAL OF WATER - RAD, NBN	Savannah River / Floodplain / Swamp	M	< 10-6	Complete		9	A.1	
420	SPILL ON 05/01/87 OF 100 GAL OF WATER FROM 300-M, NBN	Savannah River / Floodplain / Swamp	M	< 10-6	Complete		9	A.1	
440	SPILL ON 06/28/84 OF 100 GAL OF CHILLED WATER, NBN	Savannah River / Floodplain / Swamp	M	< 10-6	Complete		9	A.1	
446	SPILL ON 08/18/86 OF 20 GAL OF WATER - RAD, NBN	Savannah River / Floodplain / Swamp	M	< 10-6	Complete		9	A.1	
447	SPILL ON 08/29/85 OF 500 GM OF URANYL NITRATE, NBN	Savannah River / Floodplain / Swamp	M	< 10-6	Complete		9	A.1	
450	SPILL ON 09/10/86 OF 1 GAL OF WATER - RAD, NBN	Savannah River / Floodplain / Swamp	M	< 10-6	Complete		9	A.1	

Table 4.3a
RBES Planned End State By Area

Unit Index #	Unit Name	Watershed	Facility Area	FY03 Estimated Risk	Status	Institutional Controls in Place	Waste Unit Group (Hazard Type)	Soil Remedial Action	Groundwater Remedial Action (NA)
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451	SPILL ON 09/20/87 OF UNKNOWN AMOUNT OF WATER - RAD, NBN	Savannah River / Floodplain / Swamp	M	< 10-6	Complete		9	A.1	
454	SPILL ON 09/04/85 OF 1 1/2 GAL OF NITRIC ACID, NBN	Savannah River / Floodplain / Swamp	M	< 10-6	Complete		9	A.1	
464	UN-NUMBERED GUN EMPLACEMENT RUBBLE PILE, NBN	Savannah River / Floodplain / Swamp	M	< 10-6	Complete		9	A.1	
486	CONTAMINATED SOIL, 321-M	Savannah River / Floodplain / Swamp	M	< 10-6	Complete		9	A.1	
15	METALLURGICAL LABORATORY HAZARDOUS MANAGEMENT FACILITY, 904-110G	Upper Three Runs	M	10-4 to 10-6	Complete	√	5	A.2, A.3	B.5, B.9
56	M-AREA HAZARDOUS WASTE MANAGEMENT FACILITY (CAROLINA BAY)	Upper Three Runs	M	10-4 to 10-6	Complete	√	9	A.2	
195	SPILL ON 03/20/86 OF <1 GAL OF WATER - RAD, NBN	Upper Three Runs	M	< 10-6	Complete		9	A.1	
198	SPILL ON 03/04/86 OF 5 GAL OF 50% NAOH FROM 341-M, NBN	Upper Three Runs	M	< 10-6	Complete		9	A.1	
409	SPILL ON 04/01/85 OF 25 ML OF SULFURIC ACID, NBN	Upper Three Runs	M	< 10-6	Complete		9	A.1	
410	SPILL ON 04/01/87 OF <5 GAL OF CR III LIGNO - SULFONATE, NBN	Upper Three Runs	M	< 10-6	Complete		9	A.1	
480	SANDBLAST AREA CMM-003, NBN	Upper Three Runs	M	< 10-6	Complete		9	A.1	
484	M-AREA HAZARDOUS WASTE MANAGEMENT FACILITY: M-AREA VADOSE ZONE, 643-28G	Upper Three Runs	M	< 10-6	Complete		2		B.5
497	SANDBLAST AREA CMM-001, NBN	Upper Three Runs	M	< 10-6	Complete		9	A.1	
100	M-AREA SETTLING BASIN INACTIVE PROCESS SEWERS TO MANHOLE 1, 081-M	Savannah River / Floodplain / Swamp	M	> 10-4	In Assessment Phase		4	√	√
326	POTENTIAL RELEASE OF TCT, TET TCE, HNO3, U, HEAVY METALS FROM 321-M ABANDONED SEWER LINE, NBN	Savannah River / Floodplain / Swamp	M	10-4 to 10-6	In Assessment Phase		4	√	√
465	UNDERGROUND SUMP 321 M #001 321-M	Savannah River / Floodplain / Swamp	M	> 10-4	In Assessment Phase		4	√	
466	UNDERGROUND SUMP 321 M #002 321-M	Savannah River / Floodplain / Swamp	M	> 10-4	In Assessment Phase		4	√	

Table 4.3a
RBES Planned End State By Area

Unit Index #	Unit Name	Watershed	Facility Area	FY03 Estimated Risk	Status	Institutional Controls in Place	Waste Unit Group (Hazard Type)	Soil Remedial Action	Groundwater Remedial Action (NA)
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234	313-M AND 320-M INACTIVE CLAY PROCESS SEWERS TO TIMS BRANCH, NBN	Upper Three Runs	M	> 10-4	In Assessment Phase		4	√	√
23	M-AREA HAZARDOUS WASTE MANAGEMENT FACILITY: A/M AREA GROUNDWATER PORTION, 904-110G	Upper Three Runs	M	> 10-4	In Remediation		10		√
24	SRL GROUNDWATER	Upper Three Runs	M	> 10-4	In Remediation		10		√
387	SPILL ON 12/01/71 OF 1000 GAL OF RAD WATER FROM 773-A, NBN	Upper Three Runs	M	10-4 to 10-6	In Remediation		9	√	
74	FIRE DEPARTMENT HOSE TRAINING FACILITY, 904-113G	Fourmile Branch	N	< 10-6	Complete		9	A.1	
76	FORD BUILDING WASTE SITE, 643-11G	Fourmile Branch	N	< 10-6	Complete		2	A.7//A.1	
228	SPILL ON 09/08/83 OF ~10 GAL OF FINE-ORGANIC #101 FROM 8307Z, NBN	Fourmile Branch	N	< 10-6	Complete		9	A.1	
239	ARSENIC TREATED WOOD STORAGE AREA, NBN	Fourmile Branch	N	< 10-6	Complete		5	A.1	
243	CENTRAL SHOPS AREA OF CONCERN, NBN	Fourmile Branch	N	< 10-6	Complete		9	A.1	
355	SANDBLAST AREA CMN-002, NBN	Fourmile Branch	N	< 10-6	Complete		9	A.1	
31	CENTRAL SHOPS BURNING/RUBBLE PIT, 631-6G	Pen Branch	N	10-4 to 10-6	Complete	√	5	A.1	
60	CENTRAL SHOPS SLUDGE LAGOON, 080-24G	Pen Branch	N	< 10-6	Complete		6	A.1	
75	FORD BUILDING SEEPAGE BASIN, 904-91G	Pen Branch	N	10-4 to 10-6	Complete	√	2	A.2, A.3, A.7	
382	SPILL ON 10/09/85 OF 15 GAL OF AROPOL FROM 690-G, NBN	Pen Branch	N	< 10-6	Complete		9	A.1	
499	CENTRAL SHOPS OPEN DISPOSAL TRENCH	Pen Branch	N	< 10-6	Complete		5	A.1	
545	ECODS N-2 (ADJACENT TO MISCELLANEOUS RUBBLE PILE, 631-7G)	Pen Branch	N	< 10-6	Complete		5	A.1	
132	SRL OIL TEST SITE, 080-16G	Pen Branch	N	10-4 to 10-6	Complete		7	√	
57	CENTRAL SHOPS BURNING/RUBBLE PIT, 631-5G	Fourmile Branch	N	10-4 to 10-6	In Assessment Phase		5	√	

Table 4.3a
RBES Planned End State By Area

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244	CENTRAL SHOPS SCRAP LUMBER PILE, 631-2G	Fourmile Branch	N	10-4 to 10-6	In Assessment Phase		5	√	
354	SANDBLAST AREA CMN-001, NBN	Fourmile Branch	N	10-4 to 10-6	In Assessment Phase		9	√	
502	HEAVY EQUIPMENT WASH BASIN	Fourmile Branch	N	10-4 to 10-6	In Assessment Phase		5	√	
77	G-AREA OIL SEEPAGE BASIN, 761-13G	Pen Branch	N	10-4 to 10-6	In Assessment Phase		6	√	
82	HYDROFLUORIC ACID SPILL, 631-4G	Pen Branch	N	10-4 to 10-6	In Assessment Phase		9	√	
309	MISCELLANEOUS RUBBLE PILE, 631-7G	Pen Branch	N	10-4 to 10-6	In Assessment Phase		5	√	
311	NEW SALVAGE YARD, 741-G	Pen Branch	N	10-4 to 10-6	In Assessment Phase		5	√	
525	ECODS N-1 (SOUTH OF N AREA)	Pen Branch	N	10-4 to 10-6	In Assessment Phase		5	√	
58	CENTRAL SHOPS BURNING/RUBBLE PIT, 631-1G	Fourmile Branch	N	10-4 to 10-6	In Remediation		5	√	
59	CENTRAL SHOPS BURNING/RUBBLE PIT, 631-3G	Fourmile Branch	N	10-4 to 10-6	In Remediation		5	√	
17	P-AREA ACID/CAUSTIC BASIN, 904-78G	Lower Three Runs	P	< 10-6	Complete		8	A.1, A.3	B.1
107	P-AREA BINGHAM PUMP OUTAGE PIT, 643-4G	Lower Three Runs	P	10-4 to 10-6	Complete	√	2	A.2	B.1
259	COMBINED SPILLS FROM 183-2P, NBN	Lower Three Runs	P	< 10-6	Complete		9	A.1	
287	P-AREA ACID/CAUSTIC BASIN (GROUNDWATER)	Lower Three Runs	P	< 10-6	Complete		10	A.1	B.1
428	SPILL ON 05/24/82 OF 10 GAL OF 31.5% ACID FROM 183-P, NBN	Lower Three Runs	P	< 10-6	Complete		9	A.1	
109	P-AREA COAL PILE RUNOFF BASIN, 189-P	Steel Creek	P	< 10-6	Complete		3	A.7//A.1	B.1
126	SPILL ON 03/15/79 OF 500 GALLONS OF CONTAMINATED WATER, NBN	Steel Creek	P	< 10-6	Complete		9	A.1	
221	SANDBLAST AREA CMP-003, NBN	Steel Creek	P	< 10-6	Complete		9	A.1	
315	P-AREA EROSION CONTROL SITE, 131-1P	Steel Creek	P	< 10-6	Complete		9	A.1	
356	SANDBLAST AREA CMP-004, NBN	Steel Creek	P	< 10-6	Complete		9	A.1	

Table 4.3a
RBES Planned End State By Area

Unit Index #	Unit Name	Watershed	Facility Area	FY03 Estimated Risk	Status	Institutional Controls in Place	Waste Unit Group (Hazard Type)	Soil Remedial Action	Groundwater Remedial Action (NA)
SRS unique identification waste unit number	Unit Name with facility or building number (NBN = no building number).	One of six SRS Watersheds where the unit resides.	Specific SRS geographic area unit resides.	Relative level of risk to a receptor from the unit, with $<10^{-6}$ being the lowest level and $>>10^{-4}$ being the greatest.	Status of unit in the regulatory cleanup process.	Units checked have SRS controls in place to restrict inappropriate uses of land or facilities when contaminants remain at the unit.	One of 11 generic hazard types used to categorize all SRS waste units. (Definitions in Appendix D.)	Remedial action in place for soils media. (Alpha numerics correspond to actions defined in Appendix D; check mark denotes remedial action as yet to be determined.)	Remedial action in place for groundwater media. (Alpha numerics correspond to actions defined in Appendix D; check mark denotes remedial action as yet to be determined.)
358	SANDBLAST AREA CMP-001, NBN	Steel Creek	P	< 10-6	Complete		9	A.1	
434	SPILL ON 05/09/85 OF 375 GAL OF PROCESS WATER FROM 106-P, NBN	Steel Creek	P	< 10-6	Complete		9	A.1	
439	SPILL ON 06/26/86 OF 1 GAL OF TRITIATED WASTE OIL FROM 110-P, NBN	Steel Creek	P	< 10-6	Complete		9	A.1	
453	SPILL ON 09/28/87 OF <30 GAL OF BROMOCIDE SOLN FROM 607-22P, NBN	Steel Creek	P	< 10-6	Complete		9	A.1	
498	SANDBLAST AREA CMP-002, NBN	Steel Creek	P	< 10-6	Complete		9	A.1	
515	COMBINED SPILLS FROM 105-P, 106-P, AND 109-P, NBN	Steel Creek	P	< 10-6	Complete		9	A.1	
538	ECODS P-1 (SOUTH OF P AREA)	Steel Creek	P	< 10-6	Complete		5	A.1	
539	ECODS P-2 (SOUTH OF P AREA)	Steel Creek	P	< 10-6	Complete		5	A.1	
547	P-AREA COAL PILE, NBN	Steel Creek	P	< 10-6	In Assessment Phase		3	A.7//A.1	B.1
316	P-AREA REACTOR COOLING WATER SYSTEM, 186/190-P	Lower Three Runs	P	10-4 to 10-6	In Assessment Phase		2	√	
557	P-AREA PROCESS SEWER LINES AS ABANDONED, NBN	Lower Three Runs	P	> 10-4	In Assessment Phase		4	√	
143	P-AREA REACTOR GROUNDWATER	Steel Creek	P	> 10-4	In Assessment Phase		10		√
313	P-AREA ASH BASIN, 188-0P	Steel Creek	P	10-4 to 10-6	In Assessment Phase		3	√	
314	P-AREA DISASSEMBLY BASIN, 105-P	Steel Creek	P	> 10-4	In Assessment Phase		2	√	
317	P-AREA REACTOR SEEPAGE BASIN, 904-061G	Steel Creek	P	> 10-4	In Assessment Phase		2	√	
318	P-AREA REACTOR SEEPAGE BASIN, 904-062G	Steel Creek	P	> 10-4	In Assessment Phase		2	√	
319	P-AREA REACTOR SEEPAGE BASIN, 904-063G	Steel Creek	P	> 10-4	In Assessment Phase		2	√	
462	P-AREA REACTOR DISCHARGE CANAL, NBN	Steel Creek	P	> 10-4	In Assessment Phase		2	√	
477	P REACTOR AREA: P-AREA REACTOR AREA CASK CAR RAILROAD TRACKS AS ABANDONED, NBN	Steel Creek	P	> 10-4	In Assessment Phase		5	√	
108	P-AREA BURNING/RUBBLE PIT, 131-P	Steel Creek	P	10-4 to 10-6	In Remediation		5	√	√

Table 4.3a
RBES Planned End State By Area

Unit Index #	Unit Name	Watershed	Facility Area	FY03 Estimated Risk	Status	Institutional Controls in Place	Waste Unit Group (Hazard Type)	Soil Remedial Action	Groundwater Remedial Action (NA)
SRS unique identification waste unit number	Unit Name with facility or building number (NBN = no building number).	One of six SRS Watersheds where the unit resides.	Specific SRS geographic area unit resides.	Relative level of risk to a receptor from the unit, with $<10^{-6}$ being the lowest level and $>>10^{-4}$ being the greatest.	Status of unit in the regulatory cleanup process.	Units checked have SRS controls in place to restrict inappropriate uses of land or facilities when contaminants remain at the unit.	One of 11 generic hazard types used to categorize all SRS waste units. (Definitions in Appendix D.)	Remedial action in place for soils media. (Alpha numerics correspond to actions defined in Appendix D; check mark denotes remedial action as yet to be determined.)	Remedial action in place for groundwater media. (Alpha numerics correspond to actions defined in Appendix D; check mark denotes remedial action as yet to be determined.)
112	R-AREA ACID/CAUSTIC BASIN, 904-77G	Lower Three Runs	R	< 10-6	Complete		8	A.1, A.3	B.1
113	R-AREA BINGHAM PUMP OUTAGE PITS, 643-10G	Lower Three Runs	R	10-4 to 10-6	Complete	√	2	A.2	
114	R-AREA BINGHAM PUMP OUTAGE PITS, 643-8G	Lower Three Runs	R	10-4 to 10-6	Complete	√	2	A.2	
115	R-AREA BINGHAM PUMP OUTAGE PITS, 643-9G	Lower Three Runs	R	10-4 to 10-6	Complete	√	2	A.2	
178	R-AREA ASBESTOS PIT, 080-01R	Lower Three Runs	R	< 10-6	Complete		5	A.1	
540	ECODS R-1A, -1B, -1C (EAST OF R REACTOR)	Lower Three Runs	R	< 10-6	Complete		5	A.1	
550	R-AREA UNKNOWN PIT #1 (RUNK-1), NBN	Lower Three Runs	R	10-4 to 10-6	Complete	√	5	A.2	
551	R-AREA UNKNOWN PIT #2 (RUNK-2), NBN	Lower Three Runs	R	10-4 to 10-6	Complete	√	5	A.2	
552	R-AREA UNKNOWN PIT #3 (RUNK-3), NBN	Lower Three Runs	R	10-4 to 10-6	Complete	√	5	A.2	
179	R-AREA RUBBLE, PIT 131-2R	Upper Three Runs	R	< 10-6	Complete		5	A.1	
42	108-4R OVERFLOW BASIN, 108-4R	Lower Three Runs	R	10-4 to 10-6	In Assessment Phase		2	√	
116	R-AREA BURNING/RUBBLE PITS, 131-1R	Lower Three Runs	R	10-4 to 10-6	In Assessment Phase		5	√	
117	R-AREA BURNING/RUBBLE PITS, 131-R	Lower Three Runs	R	10-4 to 10-6	In Assessment Phase		5	√	
118	R-AREA RUBBLE PILE, 631-25G	Lower Three Runs	R	10-4 to 10-6	In Assessment Phase		5	√	
230	R-AREA CONCRETE LAKE, 183-1R/186R	Lower Three Runs	R	10-4 to 10-6	In Assessment Phase		9	√	
231	AREA ON THE NORTH SIDE OF BUILDING 105-R, NBN	Lower Three Runs	R	10-4 to 10-6	In Assessment Phase		9	√	
233	LAYDOWN AREA NORTH OF 105R, NBN	Lower Three Runs	R	10-4 to 10-6	In Assessment Phase		5	√	
271	COOLING WATER EFFLUENT SUMP, 107-R	Lower Three Runs	R	> 10-4	In Assessment Phase		4	√	
288	R-AREA GROUNDWATER, NBN	Lower Three Runs	R	10-4 to 10-6	In Assessment Phase		10		√
312	OLD R-AREA DISCHARGE CANAL, NBN	Lower Three Runs	R	> 10-4	In Assessment Phase		9	√	
324	POTENTIAL RELEASE OF NAOH/H2 SO4 FROM 183-2R, NBN	Lower Three Runs	R	10-4 to 10-6	In Assessment Phase		9	√	

Table 4.3a
RBES Planned End State By Area

Unit Index #	Unit Name	Watershed	Facility Area	FY03 Estimated Risk	Status	Institutional Controls in Place	Waste Unit Group (Hazard Type)	Soil Remedial Action	Groundwater Remedial Action (NA)
SRS unique identification waste unit number	Unit Name with facility or building number (NBN = no building number).	One of six SRS Watersheds where the unit resides.	Specific SRS geographic area unit resides.	Relative level of risk to a receptor from the unit, with $<10^{-6}$ being the lowest level and $>>10^{-4}$ being the greatest.	Status of unit in the regulatory cleanup process.	Units checked have SRS controls in place to restrict inappropriate uses of land or facilities when contaminants remain at the unit.	One of 11 generic hazard types used to categorize all SRS waste units. (Definitions in Appendix D.)	Remedial action in place for soils media. (Alpha numerics correspond to actions defined in Appendix D; check mark denotes remedial action as yet to be determined.)	Remedial action in place for groundwater media. (Alpha numerics correspond to actions defined in Appendix D; check mark denotes remedial action as yet to be determined.)
329	R-AREA ASH BASIN, 188-0R	Lower Three Runs	R	10-4 to 10-6	In Assessment Phase		3	√	
330	R-AREA DISASSEMBLY BASIN, 105-R	Lower Three Runs	R	> 10-4	In Assessment Phase		2	√	
478	R REACTOR AREA: R-AREA REACTOR AREA CASK CAR RAILROAD TRACKS AS ABANDONED, NBN	Lower Three Runs	R	> 10-4	In Assessment Phase		5	√	
513	RELEASE FROM THE DECONTAMINATION OF R-AREA REACTOR DISASSEMBLY BASIN, NBN	Lower Three Runs	R	> 10-4	In Assessment Phase		9	√	
517	COMBINED SPILLS NORTH OF BUILDING 105-R, NBN	Lower Three Runs	R	10-4 to 10-6	In Assessment Phase		9	√	
556	R-AREA PROCESS SEWER LINES AS ABANDONED, NBN	Lower Three Runs	R	> 10-4	In Assessment Phase		4	√	
119	R-AREA REACTOR SEEPAGE BASINS, 904-103G	Upper Three Runs	R	> 10-4	In Assessment Phase		2	√	√
120	R-AREA REACTOR SEEPAGE BASINS, 904-104G	Upper Three Runs	R	> 10-4	In Assessment Phase		2	√	√
121	R-AREA REACTOR SEEPAGE BASINS, 904-57G	Upper Three Runs	R	> 10-4	In Assessment Phase		2	√	√
122	R-AREA REACTOR SEEPAGE BASINS, 904-58G	Upper Three Runs	R	> 10-4	In Assessment Phase		2	√	√
123	R-AREA REACTOR SEEPAGE BASINS, 904-59G	Upper Three Runs	R	> 10-4	In Assessment Phase		2	√	√
124	R-AREA REACTOR SEEPAGE BASINS, 904-60G	Upper Three Runs	R	> 10-4	In Assessment Phase		2	√	√
161	DWPF CONCRETE BATCH PLANT, NBN	Upper Three Runs	S	< 10-6	Complete		9	A.1	
339	S-AREA EROSION CONTROL SITE, NBN	Upper Three Runs	S	< 10-6	Complete		9	A.1	
393	SPILL ON 02/20/85 OF 1 1/2 QT OF ACID MIXTURE FROM S-AREA TRAILER S-16, NBN	Upper Three Runs	S	< 10-6	Complete		9	A.1	
425	SPILL ON 05/21/85 OF 20 GAL OF ACID FROM S-AREA, NBN	Upper Three Runs	S	< 10-6	Complete		9	A.1	
206	TNX RUBBLE PILE, NBN	Savannah River / Floodplain / Swamp	T	< 10-6	Complete		5	A.1	
267	COMBINED SPILLS FROM 672-T, NBN	Savannah River / Floodplain / Swamp	T	< 10-6	Complete		9	A.1	
268	COMBINED SPILLS FROM 674-T (BONEYARD), NBN	Savannah River / Floodplain / Swamp	T	< 10-6	Complete		9	A.1	
269	COMBINED SPILLS FROM 679-T, NBN	Savannah River / Floodplain / Swamp	T	< 10-6	Complete		9	A.1	
350	SANDBLAST AREA CMT-001, NBN	Savannah River / Floodplain / Swamp	T	< 10-6	Complete		9	A.1	

Table 4.3a
RBES Planned End State By Area

Unit Index #	Unit Name	Watershed	Facility Area	FY03 Estimated Risk	Status	Institutional Controls in Place	Waste Unit Group (Hazard Type)	Soil Remedial Action	Groundwater Remedial Action (NA)
SRS unique identification waste unit number	Unit Name with facility or building number (NBN = no building number).	One of six SRS Watersheds where the unit resides.	Specific SRS geographic area unit resides.	Relative level of risk to a receptor from the unit, with $<10^{-6}$ being the lowest level and $>>10^{-4}$ being the greatest.	Status of unit in the regulatory cleanup process.	Units checked have SRS controls in place to restrict inappropriate uses of land or facilities when contaminants remain at the unit.	One of 11 generic hazard types used to categorize all SRS waste units. (Definitions in Appendix D.)	Remedial action in place for soils media. (Alpha numerics correspond to actions defined in Appendix D; check mark denotes remedial action as yet to be determined.)	Remedial action in place for groundwater media. (Alpha numerics correspond to actions defined in Appendix D; check mark denotes remedial action as yet to be determined.)
351	SANDBLAST AREA CMT-002, NBN	Savannah River / Floodplain / Swamp	T	< 10-6	Complete		9	A.1	
401	SPILL ON 03/17/88 OF <1 GAL OF SULFURIC ACID, NBN	Savannah River / Floodplain / Swamp	T	< 10-6	Complete		9	A.1	
443	SPILL ON 07/11/84 OF 4 GAL OF PROCESS SOLUTION, NBN	Savannah River / Floodplain / Swamp	T	< 10-6	Complete		9	A.1	
104	NEW TNX SEEPAGE BASIN, 904-102G	Savannah River / Floodplain / Swamp	T	10-4 to 10-6	In Assessment Phase		2	√	
106	OLD TNX SEEPAGE BASIN, 904-076G	Savannah River / Floodplain / Swamp	T	> 10-4	In Assessment Phase		2	√	
127	SPILL ON 01/12/53 OF 1/2 TON OF URANYL NITRATE, NBN	Savannah River / Floodplain / Swamp	T	10-4 to 10-6	In Assessment Phase		9	√	
139	TNX BURYING GROUND, 643-5G	Savannah River / Floodplain / Swamp	T	> 10-4	In Assessment Phase		2	√	√
310	NEUTRALIZATION SUMP, 678-T	Savannah River / Floodplain / Swamp	T	10-4 to 10-6	In Assessment Phase		4	√	
467	X-001 OUTFALL DRAINAGE DITCH, NBN	Savannah River / Floodplain / Swamp	T	10-4 to 10-6	In Assessment Phase		9	√	
500	TNX OUTFALL DELTA, LOWER DISCHARGE GULLY, AND SWAMP, NBN	Savannah River / Floodplain / Swamp	T	10-4 to 10-6	In Assessment Phase		9	√	
559	TNX Process Sewer Lines	Savannah River / Floodplain / Swamp	T	> 10-4	In Assessment Phase		4	√	
25	TNX GROUNDWATER, 082-G	Savannah River / Floodplain / Swamp	T	> 10-4	In Remediation		10		√

Table 4.3b EM Integrated Deactivation and Decommissioning Plan						
		Hazard		Status	Current Risk	
Unit No	Bldg No	Name	Facility Area		Conceptual Site Model Hazard	Decommissioning Alternative
1376	305-A	TEST PILE	A	Max	Other Industrial	Demolish
1445	607-16A	CHEMICAL FEED FACILITY	A	Max	Other Industrial	Demolish
1446	607-17A	WASTE TREATMENT FACILITY	A	Other	Other Industrial	Demolish
1450	607-1A	SEWAGE TREATMENT PLANT	A	Max	Other Industrial	Demolish
1581	701-12A	SECURITY SOUTH ENTRY CONTROL	A	Max	Never Contaminated	Demolish
1583	701-13A	GUARDHOUSE @ EMPLOYMENT ROAD	A	Max	Never Contaminated	Demolish
1588	701-1A	GATEHOUSE, TECHNICAL AREA	A	Other	Never Contaminated	Demolish
1615	702-2A	TELEPHONE EXCHANGE BUILDING	A	Other	Other Industrial	Demolish
1616	702-A	TELEPHONE BUILDING	A	Other	Other Industrial	Demolish
1628	703-37A	COOLING WATER PUMP ENCLOSURE A/COMP RM	A	Max	Other Industrial	Demolish
1629	703-38A	COOLING WATER PUMP ENCLOSURE B/COMP RM	A	Max	Other Industrial	Demolish
1630	703-41A	DOE OFFICE BUILDING	A	Other	Never Contaminated	Demolish
1631	703-42A	A&BA OFFICE BUILDING	A	Other	Never Contaminated	Demolish
1632	703-43A	PUBLICATIONS BUILDING	A	Max	Other Industrial	Demolish
1633	703-44A	COMPUTER BUILDING	A	Other	Never Contaminated	Demolish
1634	703-45A	SUPPORT SERVICES BUILDING	A	Max	Never Contaminated	Demolish
1635	703-46A	ADMINISTRATIVE CONTROL BUILDING	A	Other	Never Contaminated	Demolish
1636	703-47A	ADMINISTRATION SUPPORT	A	Max	Never Contaminated	Demolish
1639	703-71A	PUMP HOUSE	A	Max	Never Contaminated	Demolish
1640	703-A	ADMINISTRATION BUILDING	A	Target	Other Industrial	Demolish
1672	705-A	ENGINEERING OFFICE BUILDING	A	Max	Never Contaminated	Demolish
1678	706-A	FIELD OFFICE FOR DOE	A	Max	Never Contaminated	Demolish
1688	707-A	JANITORIAL SUBCONTRACT OFFICE	A	Max	Never Contaminated	Demolish
1695	708-A	CAFETERIA.	A	Target	Never Contaminated	Demolish
1699	709-A	FIRE STATION NO. 1	A	Max	Never Contaminated	Demolish
1715	710-A	WAREHOUSE BUILDING (EAST OF 714-A)	A	Max	Never Contaminated	Demolish
1725	711-A	STEEL AND PIPE STORAGE BUILDING	A	Other	Never Contaminated	Demolish
1733	712-A	LUMBER STORAGE	A	Other	Never Contaminated	Demolish
1734	713-1A	CENTRAL STORES WAREHOUSE	A	Max	Never Contaminated	Demolish
1736	713-2A	CENTRAL STORES STORAGE BUILDING	A	Max	Never Contaminated	Demolish
1739	713-A	CENTRAL STORES BUILDING	A	Max	Never Contaminated	Demolish
1745	714-A	SPARE MACHINERY STORAGE	A	Other	Never Contaminated	Demolish
1749	715-A	GASOLINE STATION	A	Other	Other Industrial	Demolish
1751	716-2A	SUPPORT SERVICES LOWER 700-G	A	Max	Never Contaminated	Demolish
1752	716-4A	REGULATED VEHICLE MAINTENANCE BUILDING	A	Other	Other Industrial	Demolish
1754	716-A	AUTOMOTIVE REPAIR SHOP	A	Max	Other Industrial	Demolish
1757	717-10A	FPEG	A	Max	Never Contaminated	Demolish

Table 4.3b EM Integrated Deactivation and Decommissioning Plan						
		Hazard		Status	Current Risk	
Unit No	Bldg No	Name	Facility Area		Conceptual Site Model Hazard	Decommissioning Alternative
1760	717-11A	CSWE WORKS ENG FAC UPPER 700	A	Other	Never Contaminated	Demolish
1777	717-4A	VARNISH DIP TANK FACILITY	A	Other	Other Industrial	Demolish
1779	717-7A	MAINTENANCE WAREHOUSE	A	Other	Never Contaminated	Demolish
1780	717-8A	STORAGE BUILDING LOWER 700-A	A	Other	Never Contaminated	Demolish
1782	717-9A	STORAGE BUILDING MUM	A	Other	Never Contaminated	Demolish
1784	717-A	MAINTENANCE CENTRAL SHOP	A	Other	Other Industrial	Demolish
1791	719-4A	CFOD & GENERAL COUNSEL BUILDING	A	Max	Other Industrial	Demolish
1793	719-A	MEDICAL AND EMPLOYMENT BUILDING	A	Max	Never Contaminated	Demolish
1796	720-2A	CENTRAL ALARM STATION (CAS)	A	Other	Never Contaminated	Demolish
1797	720-A	PATROL HEADQUARTERS	A	Max	Never Contaminated	Demolish
1800	721-A	TRAINING SCHOOL AND LABORATORIES BLDG	A	Max	Never Contaminated	Demolish
1801	722-1A	ELECTRICAL REPAIR SHOP	A	Other	Never Contaminated	Demolish
1802	722-4A	MOTOR SHOP AND BALANCING FACILITY	A	Other	Other Industrial	Demolish
1803	722-5A	COMPUTER & COMMUNICATIONS REPAIR BLDG	A	Other	Never Contaminated	Demolish
1804	722-7A	STORAGE BUILDING	A	Other	Never Contaminated	Demolish
1805	722-8A	STORAGE BUILDING	A	Other	Never Contaminated	Demolish
1806	722-A	ELECTRICAL REPAIR SHOP	A	Other	Never Contaminated	Demolish
1808	723-15A	FIXTURE & EQUIPMENT STORAGE FACILITY	A	Other	Never Contaminated	Demolish
1814	723-A	ENGINEERING ASSISTANCE FACILITY	A	Other	Never Contaminated	Demolish
1818	724-16A	STORAGE BUILDING	A	Max	Never Contaminated	Demolish
1819	724-2A	T&T STORAGE SHED	A	Max	Never Contaminated	Demolish
1820	724-5A	E&I VEHICLE STORAGE SHED	A	Other	Never Contaminated	Demolish
1823	724-A	E&I-CS- CENTRAL SHOP OFFICE COMPLEX	A	Max	Never Contaminated	Demolish
1827	725-A	PAINT SHOP	A	Max	Other Industrial	Demolish
1837	730-A	ENGINEERING AND TRAINING BUILDING	A	Other	Never Contaminated	Demolish
1849	733-1A	OIL STORAGE BUILDING	A	Max	Other Industrial	Demolish
1850	733-A	FLAMMABLE STORAGE HOUSE	A	Max	Other Industrial	Demolish
1851	734-A	COMPRESSED GASES STORAGE	A	Max	Never Contaminated	Demolish
1852	735-11A	RADIOLOGICAL & ENVIRONMENTAL SUP FAC	A	Other	Other Industrial	Demolish
1853	735-13A	ETD EQUIPMENT STORAGE	A	Other	Never Contaminated	Demolish
1854	735-17A	ENVIRONMENTAL STAGING BUILDING	A	Other	Other Industrial	Demolish
1856	735-2A	HEALTH PROTECTION BOAT STORAGE BLDG	A	Other	Never Contaminated	Demolish
1859	735-7A	METEOROLOGICAL SCIENCES LAB	A	Other	Never Contaminated	Demolish
1862	735-A	RADIOLOGICAL & ENVIRONMENTAL SCIENCE LAB	A	Other	Other Industrial	Demolish
1864	736-A	STANDARDS LABORATORY	A	Other	Other Industrial	Demolish
1865	737-11A	NORMAL GREENHOUSE NO. 2	A	Other	Never Contaminated	Demolish
1866	737-12A	NORMAL GREENHOUSE NO. 3	A	Other	Never Contaminated	Demolish
1867	737-13A	RHIZOTRON FACILITY	A	Other	Other Industrial	Demolish

Table 4.3b EM Integrated Deactivation and Decommissioning Plan						
		Hazard		Status	Current Risk	
Unit No	Bldg No	Name	Facility Area		Conceptual Site Model Hazard	Decommissioning Alternative
1868	737-14A	WATERFOWL BREEDING PEN NO. 3	A	Other	Never Contaminated	Demolish
1869	737-15A	WATERFOWL BREEDING PEN NO. 4	A	Other	Never Contaminated	Demolish
1870	737-17A	COLD ROOM	A	Other	Never Contaminated	Demolish
1871	737-18A	SREL STORAGE BUILDING	A	Other	Never Contaminated	Demolish
1872	737-19A	BOAT STORAGE	A	Other	Never Contaminated	Demolish
1873	737-1A	ANIMAL HOLDING FACILITY	A	Other	Never Contaminated	Demolish
1874	737-24A	ANIMAL CARE FACILITY	A	Other	Never Contaminated	Demolish
1875	737-25A	MODULAR OFFICE	A	Other	Other Industrial	Demolish
1876	737-26A	SREL RECEIVING BUILDING	A	Other	Never Contaminated	Demolish
1877	737-2A	HEAD HOUSE	A	Other	Never Contaminated	Demolish
1878	737-3A	ISOTOPE GREENHOUSE-SREL COMPLEX	A	Other	Never Contaminated	Demolish
1879	737-4A	GREENHOUSE-SREL COMPLEX	A	Other	Never Contaminated	Demolish
1880	737-5A	SHOP	A	Other	Other Industrial	Demolish
1881	737-6A	WATERFOWL BROODER HOUSE	A	Other	Never Contaminated	Demolish
1882	737-7A	NORTH WATERFOWL BREEDING PEN NO. 1	A	Other	Never Contaminated	Demolish
1883	737-8A	SOUTH WATERFOWL BREEDING PEN NO. 2	A	Other	Never Contaminated	Demolish
1884	737-A	ENVIRONMENTAL RESEARCH LAB	A	Other	Never Contaminated	Demolish
1886	738-A	ACID & SOLVENT STORAGE SHED	A	Other	Chemical - Low Hazard	Demolish
1889	740-8A	STORAGE BUILDING	A	Max	Never Contaminated	Demolish
1890	740-A	SALAVAGE AND RECLAMATION BUILDING	A	Max	Other Industrial	Demolish
1894	742-A	OFFICE BUILDING	A	Max	Never Contaminated	Demolish
1895	743-1A	VEHICLE SHED	A	Max	Never Contaminated	Demolish
1896	743-A	RIGGING STORAGE	A	Max	Never Contaminated	Demolish
1897	745-A	EXCESS SALES BUILDING	A	Max	Never Contaminated	Demolish
1898	748-A	STORAGE FACILITY	A	Other	Chemical - Low Hazard	Demolish
1899	749-A	MAINTENANCE BUILDING	A	Other	Other Industrial	Demolish
1900	751-1A	CONTROL HOUSE	A	Other	Other Industrial	Demolish
1901	751-A	PRIMARY SUBSTATION (HIGH VOLTAGE 115 KV)	A	Other	Other Industrial	Demolish
1903	754-10A	DIESEL GENERATOR	A	Other	Other Industrial	Demolish
1904	754-11A	PROPANE GENERATOR	A	Max	Other Industrial	Demolish
1905	754-5A	UPS/GENERATOR ENCLOSURE	A	Other	Other Industrial	Demolish
1906	754-8A	DIESEL GENERATOR FOR 703-44A	A	Other	Other Industrial	Demolish
1920	763-A	TIRE STORAGE BUILDING	A	Max	Never Contaminated	Demolish
1922	770-A	OFFICE OF COUNTERINTELLIGENCE	A	Other	Never Contaminated	Demolish
1937	773-2A	CYLINDER STORAGE SHED	A	Other	Never Contaminated	Demolish
1938	773-41A	SRL OFFICE BUILDING	A	Other	Never Contaminated	Demolish
1939	773-42A	SRL OFFICE BUILDING	A	Other	Never Contaminated	Demolish
1940	773-43A	ENGINEERING & PLANNING BUILDING	A	Other	Never Contaminated	Demolish

Table 4.3b EM Integrated Deactivation and Decommissioning Plan						
		Hazard		Status	Current Risk	
Unit No	Bldg No	Name	Facility Area		Conceptual Site Model Hazard	Decommissioning Alternative
1941	773-50A	PSP POWER SUPPLY BUILDING	A	Other	Other Industrial	Demolish
1942	773-51A	ADMINISTRATIVE SERVICES	A	Other	Never Contaminated	Demolish
1943	773-52A	CENTRAL RECORDS FACILITY	A	Other	Never Contaminated	Demolish
1944	773-A	MAIN TECHNICAL LABORATORY	A	Other	Nuclear Category 2	Demolish
1945	774-A	WASTE PROCESS AND FRACTURE TOUGHNESS FITNESS FAC	A	Other	Nuclear Category 3	Demolish
1946	775-1A	MAINTENANCE WORK SHOP	A	Other	Other Industrial	Demolish
1947	775-A	CENTRAL COMPRESSOR BUILDING	A	Other	Other Industrial	Demolish
1948	776-10A	HI LEVEL PIPE GALLERY ACCESS BUILDING	A	Other	Other Industrial	Demolish
1949	776-1A	CONTROL HOUSE	A	Other	Nuclear Category 2	Demolish
1950	776-2A	TANK BUILDING	A	Other	Nuclear Category 2	Demolish
1951	776-3A	STRAINER CHANGE HOUSE	A	Other	Nuclear Category 2	Demolish
1952	776-4A	HIGH LEVEL VENT FILTER HOUSE	A	Other	Nuclear Category 2	Demolish
1953	776-5A	TANK BUILDING VENT AREA	A	Other	Nuclear Category 2	Demolish
1954	776-6A	WASTE LOADING STATION	A	Other	Nuclear Category 2	Demolish
1955	776-9A	STORAGE BUILDING	A	Other	Other Industrial	Demolish
1956	777-10A	SITE UTILITIES OFFICE FACILITY	A	Max	Other Industrial	Demolish
1957	777-A	HEALTH PROTECTION STORAGE FACILITY	A	Other	Other Industrial	Demolish
1958	779-A	MANIPULATOR REPAIR SHOP	A	Other	Other Industrial	Demolish
1959	780-1A	CHEMICAL FEED BUILDING-WEST OF 784-A	A	Other	Chemical - Low Hazard	Demolish
1960	780-2A	CHLORINE FEED BUILDING FOR 785-A	A	Other	Other Industrial	Demolish
1961	781-A	3/700 TC FACILITY	A	Other	Never Contaminated	Demolish
1966	782-2A	DOMESTIC WATER STORAGE TANK	A	Other	Never Contaminated	Demolish
1968	782-3A	A-AREA DOMESTIC WATER CENTRAL TREATMENT PLANT	A	Other	Chemical - Low Hazard	Demolish
1972	784-1A	MAINTENANCE SHOP BOILER HOUSE	A	Other	Other Industrial	Demolish
1973	784-3A	E&I STORAGE BUILDING	A	Other	Never Contaminated	Demolish
1974	784-4A	COAL HANDLER OBSERVATION BUILDING	A	Other	Other Industrial	Demolish
1975	784-A	BOILER HOUSE	A	Other	Chemical - Low Hazard	Demolish
1977	785-2A	COOLING TOWER NO. 2	A	Other	Never Contaminated	Demolish
1978	785-6A	CHILLER	A	Other	Other Industrial	Demolish
1979	785-A	COOLING TOWER	A	Other	Never Contaminated	Demolish
1980	786-A	HEAT TRANSFER LABORATORY	A	Other	Other Industrial	Demolish

Table 4.3b EM Integrated Deactivation and Decommissioning Plan						
		Hazard		Status	Current Risk	
Unit No	Bldg No	Name	Facility Area		Conceptual Site Model Hazard	Decommissioning Alternative
1984	791-A	POLLUTION CONTROL STACK, 773-A	A	Other	Other Industrial	Demolish
1985	792-A	EXHAUST FAN HOUSE	A	Other	Other Industrial	Demolish
1986	794-A	SAND FILTER AND SUPPLY TUNNEL	A	Other	Other Industrial	Demolish
1458	607-2B	CHEMICAL FEED FAC	B	Other	Other Industrial	Demolish
1469	607-4B	SANITARY WASTE WATER FACILITY	B	Other	Other Industrial	ISD/IC/LTS
1626	703-10B	KENNEL FACILITIES	B	Other	Never Contaminated	Demolish
1627	703-1B	WSI TRAINING BLDG	B	Other	Never Contaminated	Demolish
1637	703-5B	HELICOPTER SUPP FAC, HANGER	B	Other	Other Industrial	Demolish
1638	703-6B	HELICOPTER SUPP FAC OPR ANN	B	Other	Other Industrial	Demolish
1641	703-B	WSI ADMINISTRATION BLDG	B	Other	Never Contaminated	Demolish
1679	706-B	WSI TRAINING BUILDING	B	Other	Never Contaminated	Demolish
1694	708-1B	B-AREA ENGINEER SUPPORT BLDG	B	Other	Never Contaminated	Demolish
1707	710-1B	HAZARDOUS CHEMICAL STORAGE	B	Other	Other Industrial	Demolish
1708	710-2B	HAZARDOUS CHEMICAL STORAGE	B	Other	Other Industrial	Demolish
1710	710-3B	STORAGE	B	Other	Other Industrial	Demolish
1755	716-B	WSI AUTOMOTIVE SHOP	B	Other	Chemical - Low Hazard	Demolish
1830	728-1B	RECORDS STORAGE BLDG NO.2	B	Other	Other Industrial	Demolish
1834	730-1B	ENGINEERING SUPPORT FACILITY	B	Other	Never Contaminated	Demolish
1835	730-2B	ADMINISTRATION BUILDING NO. 2	B	Other	Never Contaminated	Demolish
1836	730-4B	ADMINISTRATION BUILDING NO. 3	B	Other	Never Contaminated	Demolish
1838	730-B	ENGINEERING CENTER	B	Other	Never Contaminated	Demolish
1855	735-1B	REGULATORY MONITORING & BIOASSAY LAB AUXILIARY	B	Other	Chemical - Low Hazard	Demolish
1857	735-2B	HEALTH PROTECTION CALIBRATION FACILITY	B	Other	Other Industrial	Demolish
1858	735-4B	WHOLE BODY COUNT FACILITY	B	Other	Never Contaminated	Demolish
1863	735-B	HEALTH PROTECTION RADIOLOGICAL	B	Other	Chemical - Low Hazard	Demolish

Table 4.3b EM Integrated Deactivation and Decommissioning Plan						
		Hazard		Status	Current Risk	
Unit No	Bldg No	Name	Facility Area		Conceptual Site Model Hazard	Decommissioning Alternative
1902	751-B	5000 KVA SUBSTATION	B	Other	Other Industrial	Demolish
1923	770-U	TEST REACTOR BLDG. (HWCTR)	B	Other	Other Industrial	Demolish
1927	772-25B	RESEARCH LABORATORY (EPA STREAMS)	B	Other	Other Industrial	Demolish
1929	772-7B	STORAGE & LAB FAC	B	Other	Other Industrial	Demolish
1976	785-1B	CHILLER BUILDING COOLING TOWER	B	Other	Other Industrial	Demolish
1981	789-2B	CHILLER BUILDING	B	Other	Other Industrial	Demolish
1982	789-B	REFRIGERATION BUILDING	B	Other	Chemical - Low Hazard	Demolish
1983	790-B	AMMUNITION BUNKER	B	Other	Never Contaminated	Demolish
1994	902-5B	FIRE WATER PUMP HOUSE	B	Other	Other Industrial	Demolish
1006	105-C	REACTOR BUILDING	C	Other	Other Industrial	ISD/IC/LTS
1011	107-C	COOLING WATER EFFLUENT SUMP	C	Max	Other Industrial	ISD/IC/LTS
1015	108-1C	ENGINE HOUSE	C	Other	Other Industrial	ISD/IC/LTS
1020	108-2C	ENGINE HOUSE	C	Other	Other Industrial	ISD/IC/LTS
1029	151-1C	PRIMARY SUBSTATION (HIGH VOLT 115/13.8)	C	Other	Other Industrial	ISD/IC/LTS
1034	151-2C	PRIMARY SUBSTATION (HIGH VOLT 115/13.8)	C	Other	Other Industrial	ISD/IC/LTS
1039	152-7C	GENERATOR ROOM	C	Max	Never Contaminated	Demolish
1053	184-6C	STORAGE BUILDING	C	Other	Other Industrial	Demolish
1060	186-C	COOLING WATER RESERVOIR	C	Max	Other Industrial	ISD/IC/LTS
1065	190-C	COOLING WATER PUMP HOUSE	C	Max	Other Industrial	ISD/IC/LTS
1433	501-C	FENCE & RD LIGHTING (INC REGU & TRANS)	C	Max	Never Contaminated	Demolish
1489	607-9C	AIR COMPRESSOR BUILDING	C	Max	Other Industrial	Demolish
1493	614-2C	EFFLUENT MONITORING BUILDING	C	Max	Other Industrial	Demolish
1589	701-1C	AREA GATEHOUSE & PATROL HQ	C	Other	Other Industrial	Demolish
1601	701-2C	GATEHOUSE ENTRANCE AT BLDG 105	C	Max	Other Industrial	Demolish
1614	702-1C	TELEPHONE EXCHANGE BUILDING	C	Other	Other Industrial	Demolish

Table 4.3b EM Integrated Deactivation and Decommissioning Plan						
		Hazard		Status	Current Risk	
Unit No	Bldg No	Name	Facility Area		Conceptual Site Model Hazard	Decommissioning Alternative
1617	702-C	TELEPHONE EXCHANGE BUILDING	C	Other	Never Contaminated	Demolish
1658	704-C	AREA ADM & SERVICES BUILDING	C	Other	Never Contaminated	Demolish
1670	705-1C	REACTOR ENGINEERING OFFICE BUILDING	C	Other	Never Contaminated	Demolish
1671	705-3C	REACTOR SUPPORT SERVICES BUILDING	C	Other	Never Contaminated	Demolish
1673	705-C	REACTOR TRAINING FACILITY	C	Other	Never Contaminated	Demolish
1680	706-C	OFFICE BUILDING	C	Other	Never Contaminated	Demolish
1689	707-C	REACTOR SIMULATOR TRAINING FACILITY	C	Other	Other Industrial	Demolish
1726	711-C	MAINTENANCE MATERIAL STORAGE BUILDING	C	Other	Other Industrial	Demolish
1785	717-C	CONTAMINATED MAINTENANCE FACILITY	C	Other	Other Industrial	Demolish
1395	411-3D	FIRE FIGHTING SIMLTOR BLDG (FOREXT OFFICE	D	Target	Other Industrial	Demolish
1396	412-10D	TUBE BUNDLE CLEANING SHELTER	D	Target	Other Industrial	Demolish
1397	412-17D	WEST SUBSTATION B	D	Target	Other Industrial	Demolish
1398	412-2D	EAST SUBSTATION A	D	Target	Other Industrial	Demolish
1399	412-3D	STORAGE BUILDNG	D	Target	Other Industrial	Demolish
1400	412-4D	MASK MAINTENANCE BUILDING	D	Target	Other Industrial	Demolish
1401	414-D	STORAGE BUILDING EAST	D	Target	Other Industrial	Demolish
1402	415-D	STORAGE BUILDING WEST	D	Target	Radiological	Demolish
1403	420-2D	REWORK HANDLING FACILITY	D	Target	Radiological	Demolish
1404	420-D	CONCENTRATOR BUILDING	D	Target	Other Industrial	Demolish
1405	421-2D	MODERATOR HANDLING AND STORAGE	D	Target	Other Industrial	Demolish
1406	421-4D	DRUM STORAGE	D	Target	Other Industrial	Demolish
1407	421-6D	HEAVY WATER EQUIPMENT STORAGE	D	Target	Other Industrial	Demolish
1408	421-D	FINISHING BUILDING	D	Target	Other Industrial	Demolish
1415	451-D	PRIMARY SUBSTATION (HIGH VOLTAGE 115 KV)	D	Other	Other Industrial	Demolish
1416	454-D	DIESEL FUEL UNDERGROUND STORAGE TANK	D	Other	Other Industrial	Demolish

Table 4.3b EM Integrated Deactivation and Decommissioning Plan						
		Hazard		Status	Current Risk	
Unit No	Bldg No	Name	Facility Area		Conceptual Site Model Hazard	Decommissioning Alternative
1417	480-2D	MAINTENANCE MATL. STORAGE	D	Target	Other Industrial	Demolish
1418	480-3D	MAINTENANCE FIELD OFFICE AND SHOP	D	Other	Other Industrial	Demolish
1419	482-2D	MOTOR CONTROL CENTER	D	Other	Other Industrial	Demolish
1420	483-1D	WATER FILTRATION AND TREATMENT PLANT	D	Other	Other Industrial	Demolish
1421	483-2D	SOFTENER AND SILICA ABSORBER BLDG.	D	Other	Other Industrial	Demolish
1422	483-3D	ELECTRICAL CONTROL BUILDING	D	Other	Chemical - Low Hazard	Demolish
1423	483-7D	CHEMICAL FEED SYSTEMS FOR DOMESTIC WATER	D	Other	Other Industrial	Demolish
1424	483-D	SOFTENER BUILDING	D	Other	Other Industrial	ISD/IC/LTS
1425	484-10D	OIL SHED BUILDING	D	Other	Other Industrial	Demolish
1426	484-12D	STORAGE BUILDING	D	Other	Other Industrial	Demolish
1427	484-13D	STORAGE BUILDING	D	Other	Other Industrial	Demolish
1428	484-15D	STORAGE SHED	D	Other	Other Industrial	Demolish
1429	484-4D	POWER MAINTENANCE FACILITY BUILDING	D	Other	Other Industrial	Demolish
1430	484-9D	VALVE HOUSE	D	Other	Other Industrial	Demolish
1431	484-D	POWERHOUSE	D	Other	Other Industrial	Demolish
1432	485-D	COOLING TOWER	D	Other	Other Industrial	Demolish
1444	607-15D	CHEMICAL FEED FACILITY	D	Other	Other Industrial	Demolish
1590	701-1D	MAINTENANCE SUPPORT ADMINISTRATION BUILDING	D	Target	Other Industrial	Demolish
1618	702-D	TELEPHONE EXCHANGE BUILDING	D	Max	Other Industrial	Demolish
1659	704-D	AREA ADM. BLDG. & FIRST AID	D	Target	Other Industrial	Demolish
1690	707-D	JANITORIAL SUBCONTRACT OFFICE	D	Target	Other Industrial	Demolish
1705	710-16D	STORAGE BUILDING	D	Other	Other Industrial	Demolish
1717	711-1D	STORAGE BUILDING	D	Target	Other Industrial	Demolish
1727	711-D	T&T OFFICE AND STORAGE BUILDING	D	Target	Other Industrial	Demolish
1771	717-1D	STORAGE AREA	D	Target	Other Industrial	Demolish

Table 4.3b EM Integrated Deactivation and Decommissioning Plan						
		Hazard		Status	Current Risk	
Unit No	Bldg No	Name	Facility Area		Conceptual Site Model Hazard	Decommissioning Alternative
1774	717-3D	WELDING SHOP	D	Other	Other Industrial	Demolish
1786	717-D	SHOPS, STORES AND CHANGE HOUSE	D	Target	Other Industrial	Demolish
1933	772-D	CONTROL LABORATORY AND SUPV.'S OFFICE	D	Target	Other Industrial	Demolish
1520	641-E	HIGH POINT VALVE BOX	E	Other	Never Contaminated	ISD/IC/LTS
1522	642-E	ADMINISTRATIVE BUILDING	E	Other	Nuclear Category 3	Demolish
1523	643-29E	Mixed Waste Storage	E	Other	Nuclear Category 3	Demolish
1524	643-43E	MIXED WASTE STORAGE EXPANSION	E	Other	Other Industrial	Demolish
1525	643-44E	STORAGE/WORK SPACE, MAINT, RIGGING, HEAVY EQUIP	E	Other	Other Industrial	Demolish
1526	643-46E	STORAGE/WORK SPACE, MAINT, RIGGING, HEAVY EQUIP	E	Other	Nuclear Category 2	Demolish
1538	660-14E	TRU WASTE STORAGE PAD NO. 14	E	Other	Nuclear Category 2	Demolish
1539	660-15E	TRU WASTE STORAGE PAD NO. 15	E	Other	Nuclear Category 2	Demolish
1540	660-16E	TRU WASTE STORAGE PAD NO. 16	E	Other	Nuclear Category 2	Demolish
1541	660-17E	TRU WASTE STORAGE PAD NO. 17	E	Other	Nuclear Category 2	Demolish
1542	660-18E	TRU WASTE STORAGE PAD NO. 18	E	Other	Nuclear Category 2	Demolish
1543	660-19E	TRU WASTE STORAGE PAD NO. 19	E	Other	Nuclear Category 2	Demolish
1544	660-3E	TRU WASTE STORAGE PAD NO. 3	E	Other	Nuclear Category 2	Demolish
1545	660-4E	TRU WASTE STORAGE PAD NO. 4	E	Other	Nuclear Category 2	Demolish
1546	660-5E	TRU WASTE STORAGE PAD NO. 5	E	Other	Nuclear Category 2	Demolish
1547	660-6E	TRU WASTE STORAGE PAD NO. 6	E	Other	Nuclear Category 3	Demolish
1549	661-6E	LOW ACTIVITY WASTE VAULT	E	Other	Nuclear Category 3	ISD/IC/LTS
1551	662-E	ILT VAULT	E	Other	Nuclear Category 3	ISD/IC/LTS
1552	663-E	ILNT VAULT	E	Other	Other Industrial	ISD/IC/LTS
1553	664-E	ASSOCIATED WASTE SHREDDER BUILDING	E	Other	Never Contaminated	Demolish
1817	724-10E	OFFICE/STORAGE BUILDING	E	Other	Other Industrial	Demolish
1821	724-7E	BURYING GROUND ADMINISTRATION BUILDING	E	Max	Nuclear Category 3	Demolish

Table 4.3b EM Integrated Deactivation and Decommissioning Plan						
		Hazard		Status	Current Risk	
Unit No	Bldg No	Name	Facility Area		Conceptual Site Model Hazard	Decommissioning Alternative
1822	724-8E	EXPERIMENTAL TRU WASTE ASSAY BUILDING	E	Max	Other Industrial	Demolish
1084	211-1F	CONTROL HOUSE	F	Threshold	Other Industrial	Demolish
1086	211-2F	CONTROL AND CHECK HOUSE	F	Threshold	Nuclear Category 2	Demolish
1087	211-3F	WASTE TRUCK UNLOADING HOUSE	F	Threshold	Other Industrial	Demolish
1088	211-7F	CHEMICAL HANDLING FACILITY	F	Threshold	Never Contaminated	Demolish
1091	211-9F	STORES DROP POINT	F	Other	Nuclear Category 2	Demolish
1093	211-F	CANYON AUXILIARIES	F	Max	Nuclear Category 2	Demolish
1095	221-12F	URANIUM OXIDE STORAGE	F	Max	Never Contaminated	Demolish
1096	221-13F	CONTROL AND ALARM CENTER	F	Threshold	Never Contaminated	ISD/IC/LTS
1097	221-14F	CONSTRUCTION LAYDOWN & B25 STORAGE BLDG	F	Threshold	Nuclear Category 3	Demolish
1101	221-1F	A - LINE	F	Max	Other Industrial	Demolish
1103	221-20F	COMPRESSOR BUILDING	F	Threshold	Nuclear Category 2	Demolish
1104	221-21F	URANIUM OXIDE STORAGE BUILDING	F	Max	Nuclear Category 2	Demolish
1106	221-22F	STORAGE BUILDING	F	Max	Other Industrial	Demolish
1107	221-25F	EQUIPMENT STORAGE FACILITY	F	Threshold	Never Contaminated	Demolish
1108	221-26F	STORAGE BUILDING	F	Threshold	Never Contaminated	Demolish
1109	221-27F	SEPARATIONS PLANNING & SCHEDULING BLDG.	F	Threshold	Chemical - Low Hazard	Demolish
1110	221-33F	MATERIAL ACCESS CENTER WAREHOUSE	F	Max	Other Industrial	Demolish
1111	221-37F	CONSTRUCTION CHANGE FACILITY	F	Threshold	Nuclear Category 3	Demolish
1113	221-F	CANYON BUILDING	F	Other	Chemical - Low Hazard	ISD/IC/LTS
1116	222-F	COLD FEED PREP. AREA	F	Threshold	Other Industrial	Demolish
1122	235-1F	REFRIGERATION BLDG. NO. 1	F	Other	Other Industrial	Demolish
1123	235-2F	REFRIGERATION BLDG. NO. 2	F	Other	Nuclear Category 2	Demolish
1124	235-F	METALLURGICAL BUILDING	F	Other	Never Contaminated	ISD/IC/LTS
1129	241-104F	STORAGE/SUPPLY BUILDING	F	Other	Nuclear Category 2	Demolish

Table 4.3b EM Integrated Deactivation and Decommissioning Plan						
		Hazard		Status	Current Risk	
Unit No	Bldg No	Name	Facility Area		Conceptual Site Model Hazard	Decommissioning Alternative
1132	241-11F	GANG VALVE H0USE	F	Other	Other Industrial	Demolish
1134	241-13F	WEST PUMPHOUSE	F	Other	Other Industrial	Demolish
1139	241-17F	EAST PUMPHOUSE	F	Other	Nuclear Category 3	ISD/IC/LTS
1141	241-18F	CONTROL ROOM/MCC	F	Other	Nuclear Category 3	Demolish
1144	241-1F	CONTROL ROOM	F	Other	Other Industrial	Demolish
1145	241-20F	COOLING TOWERS/PUMPHOUSE SER 25-28,44-47	F	Other	Nuclear Category 2	Demolish
1148	241-21F	FDB-4 AND FPPs 2 AND 3	F	Other	Other Industrial	Demolish
1159	241-28F	OFFICE/CHANGE ROOMS	F	Other	Nuclear Category 2	Demolish
1162	241-2F	FDB-1	F	Other	Nuclear Category 2	ISD/IC/LTS
1165	241-32F	FDB-6 DIVERSON BOX	F	Other	Nuclear Category 2	Demolish
1167	241-33F	FDB-5 DIVERSON BOX	F	Other	Other Industrial	Demolish
1175	241-53F	AIR COMPRESSOR BUILDING	F	Other	Never Contaminated	Demolish
1179	241-58F	MAINTENANCE SHOP BUILDING	F	Other	Other Industrial	Demolish
1181	241-62F	MCC BUILDING	F	Other	Radiological	Demolish
1183	241-64F	AIR COMPRESSOR BLDG.	F	Other	Other Industrial	Demolish
1185	241-65F	BREATHING AIR COMPRESSOR BLDG.	F	Other	Other Industrial	Demolish
1188	241-74F	CONTROL ROOM/MCC	F	Other	Nuclear Category 3	Demolish
1190	241-75F	CESIUM REMOVAL CONTROL PUMP HOUSE	F	Other	Other Industrial	Demolish
1195	241-84F	INTERIM RECORD STORAGE	F	Other	Other Industrial	Demolish
1203	241-901F	WASTE STORAGE TANK	F	Other	Nuclear Category 3	ISD/IC/LTS
1204	241-902F	WASTE STORAGE TANK	F	Other	Other Industrial	ISD/IC/LTS
1205	241-903F	WASTE STORAGE TANK	F	Other	Radiological	ISD/IC/LTS
1206	241-904F	WASTE STORAGE TANK	F	Other	Never Contaminated	ISD/IC/LTS
1207	241-905F	WASTE STORAGE TANK	F	Other	Nuclear Category 2	ISD/IC/LTS
1208	241-906F	WASTE STORAGE TANK	F	Other	Nuclear Category 2	ISD/IC/LTS

Table 4.3b EM Integrated Deactivation and Decommissioning Plan						
		Hazard		Status	Current Risk	
Unit No	Bldg No	Name	Facility Area		Conceptual Site Model Hazard	Decommissioning Alternative
1209	241-907F	WASTE STORAGE TANK	F	Other	Nuclear Category 2	ISD/IC/LTS
1210	241-908F	WASTE STORAGE TANK	F	Other	Nuclear Category 2	ISD/IC/LTS
1220	241-918F	WASTE STORAGE TANK	F	Other	Nuclear Category 2	ISD/IC/LTS
1221	241-919F	WASTE STORAGE TANK	F	Other	Nuclear Category 2	ISD/IC/LTS
1222	241-91F	WASTE CERTIFICATION BUILDING	F	Other	Nuclear Category 2	Demolish
1223	241-920F	WASTE STORAGE TANK	F	Other	Nuclear Category 2	ISD/IC/LTS
1307	241-920F	WASTE STORAGE TANK	F	Other	Nuclear Category 2	ISD/IC/LTS
1228	241-925F	WASTE STORAGE TANK	F	Other	Nuclear Category 2	ISD/IC/LTS
1229	241-926F	WASTE STORAGE TANK	F	Other	Radiological	ISD/IC/LTS
1230	241-927F	WASTE STORAGE TANK	F	Other	Nuclear Category 2	ISD/IC/LTS
1231	241-928F	WASTE STORAGE TANK	F	Other	Nuclear Category 2	ISD/IC/LTS
1237	241-933F	WASTE STORAGE TANK	F	Other	Nuclear Category 2	ISD/IC/LTS
1238	241-934F	WASTE STORAGE TANK	F	Other	Nuclear Category 2	ISD/IC/LTS
1244	241-93F	ALARA STORAGE BUILDING	F	Other	Nuclear Category 2	Demolish
1249	241-944F	WASTE STORAGE TANK	F	Other	Nuclear Category 2	ISD/IC/LTS
1250	241-945F	WASTE STORAGE TANK	F	Other	Nuclear Category 2	ISD/IC/LTS
1251	241-946F	WASTE STORAGE TANK	F	Other	Nuclear Category 2	ISD/IC/LTS
1252	241-947F	WASTE STORAGE TANK	F	Other	Nuclear Category 2	ISD/IC/LTS
1258	241-97F	COOLING WATER BASIN	F	Other	Nuclear Category 2	ISD/IC/LTS
1260	241-99F	MCC BUILDING	F	Other	Other Industrial	Demolish
1263	242-10F	RADCON TRAILER NEAR TANK 4	F	Other	Other Industrial	Demolish
1264	242-11F	RADCON TRAILER NEAR 1F EVAPORATOR	F	Other	Other Industrial	Demolish
1266	242-12F	RADCON TRAILER AND 2F EVAPORATOR	F	Other	Nuclear Category 2	Demolish
1267	242-16F	2F EVAPORATOR	F	Other	Other Industrial	Demolish
1273	242-3F	CTS PIT	F	Other	Other Industrial	ISD/IC/LTS

Table 4.3b EM Integrated Deactivation and Decommissioning Plan						
		Hazard		Status	Current Risk	
Unit No	Bldg No	Name	Facility Area		Conceptual Site Model Hazard	Decommissioning Alternative
1274	242-8F	RADCON TRAILER NEAR FDB-2	F	Other	Other Industrial	Demolish
1275	242-9F	RADCON TRAILER NEAR TANKS 33/34	F	Other	Nuclear Category 2	Demolish
1277	242-F	1F EVAPORATOR	F	Other	Other Industrial	Demolish
1283	246-3F	BLEND CABINET STORAGE BLDG	F	Other	Other Industrial	Demolish
1284	246-F	EQUIPMENT TEST FACILITY	F	Threshold	Never Contaminated	Demolish
1285	247-41F	WAREHOUSE	F	Threshold	Never Contaminated	Demolish
1286	247-42F	WAREHOUSE	F	Threshold	Other Industrial	Demolish
1287	247-7F	EC PROCESS BUILDING	F	Threshold	Other Industrial	Demolish
1288	247-8F	COMPRESSED GAS STORAGE BUILDING	F	Threshold	Radiological	Demolish
1289	247-F	MANUFACTURING BUILDING	F	Threshold	Other Industrial	Demolish
1290	249-F	FAB SHOP	F	Threshold	Other Industrial	Demolish
1294	251-F	PRIMARY SUBSTATION (HIGH VOLTAGE 115KV)	F	Other	Other Industrial	Demolish
1297	252-24F	SECONDARY TRANSFORMER STATION FOR 241F	F	Other	Other Industrial	Demolish
1298	252-46F	SUBSTATION NEXT TO 772-F	F	Other	Other Industrial	Demolish
1299	252-68F	TRANSFORMER-1	F	Other	Other Industrial	Demolish
1300	252-69F	TRANSFORMER - 2	F	Other	Other Industrial	Demolish
1302	254-13F	DIESEL GENERATOR BUILDING	F	Other	Other Industrial	Demolish
1305	254-2F	DIESEL GENERATOR FACILITY, 246-F	F	Threshold	Nuclear Category 3	Demolish
1306	254-5F	DIESEL HOUSE	F	Threshold	Other Industrial	Demolish
1309	254-7F	DIESEL GENERATOR	F	Threshold	Other Industrial	Demolish
1310	254-9F	DIESEL GENERATOR	F	Other	Never Contaminated	Demolish
1314	263-95F	STORAGE SHED	F	Threshold	Nuclear Category 3	Demolish
1316	280-1F	CHEMICAL FEED BUILDING	F	Other	Other Industrial	Demolish
1318	280-2F	CHEMICAL FEED BUILDING	F	Threshold	Other Industrial	Demolish
1319	281-10F	FILTER AND DEIONIZER FACILITY	F	Other	Nuclear Category 3	Demolish

Table 4.3b EM Integrated Deactivation and Decommissioning Plan						
		Hazard		Status	Current Risk	
Unit No	Bldg No	Name	Facility Area		Conceptual Site Model Hazard	Decommissioning Alternative
1327	281-1F	RETURN WATER DELAYING BASIN	F	Max	Nuclear Category 3	ISD/IC/LTS
1329	281-25F	COOLING WATER ACTIVITIES MONITORING BLDG	F	Threshold	Nuclear Category 3	Demolish
1330	281-2F	RETURN WATER PUMPING BASIN	F	Max	Nuclear Category 3	Demolish
1332	281-4F	MONITORING HOUSE	F	Max	Nuclear Category 3	Demolish
1334	281-5F	SEGREGATED WATER DELAYING BASIN	F	Max	Nuclear Category 3	ISD/IC/LTS
1336	281-6F	MONITORING HOUSE	F	Max	Radiological	Demolish
1338	281-8F	STORAGE BASIN, 4 MILLION GALLON, LINED	F	Other	Other Industrial	Demolish
1340	282-F	RESERVOIR AND PUMP HOUSE	F	Other	Nuclear Category 3	Demolish
1342	284-10F	E&I SAFEGUARDS & SECURITY SHOP	F	Threshold	Other Industrial	Demolish
1345	284-8F	POWER SERVICE BUILDING	F	Other	Never Contaminated	Demolish
1346	284-9F	STORAGE BUILDING	F	Threshold	Other Industrial	Demolish
1349	285-3F	CHILLER BUILDING	F	Other	Other Industrial	Demolish
1350	285-4F	COOLING TOWER NO. 1	F	Other	Other Industrial	Demolish
1351	285-5F	COOLING TOWER	F	Max	Other Industrial	Demolish
1352	285-F	COOLING TOWER	F	Max	Radiological	Demolish
1354	291-F	CANYON STACK	F	Other	Radiological	Demolish
1357	292-1F	VESSEL VENT FAN HOUSE	F	Other	Radiological	Demolish
1359	292-2F	SAND FILTER FAN HOUSE	F	Other	Radiological	Demolish
1362	292-F	CANYON EXHAUST FAN HOUSE	F	Other	Radiological	Demolish
1365	293-F	METALLURGICAL BUILDING STACK	F	Other	Nuclear Category 2	Demolish
1366	294-1F	ADDITIONAL CANYON SAND FILTER	F	Other	Nuclear Category 2	Demolish
1368	294-2F	SAND FILTER FOR 235-F	F	Other	Nuclear Category 2	Demolish
1369	294-F	CANYON EXHAUST FILTERS	F	Other	Other Industrial	Demolish
1448	607-19F	CHEMICAL FEED FACILITY	F	Other	Radiological	Demolish
1451	607-20F	LIFT STATION	F	Other	Other Industrial	ISD/IC/LTS

Table 4.3b EM Integrated Deactivation and Decommissioning Plan

		Hazard		Status	Current Risk	
Unit No	Bldg No	Name	Facility Area		Conceptual Site Model Hazard	Decommissioning Alternative
1457	607-29F	NAVAL FUEL PUMP STA FOR WASTEWATER TREATMNT FAC	F	Other	Other Industrial	Demolish
1459	607-30F	F-AREA PUMP STA WSTWTR TRTMNT FAC	F	Other	Nuclear Category 2	Demolish
1521	641-F	INTER TRANS LINES DVRBOX/PUMP PIT (FDB-2)	F	Other	Other Industrial	ISD/IC/LTS
1591	701-1F	PARTOL HEADQUARTERS	F	Threshold	Never Contaminated	Demolish
1598	701-22F	GUARDHOUSE	F	Threshold	Never Contaminated	Demolish
1599	701-23F	GUARDHOUSE	F	Threshold	Never Contaminated	Demolish
1608	701-4F	GATEHOUSE ENTRANCE TO 235-F	F	Other	Never Contaminated	Demolish
1612	701-9F	GATEHOUSE	F	Threshold	Other Industrial	Demolish
1619	702-F	TELEPHONE EXCHANGE BUILDING	F	Other	Never Contaminated	Demolish
1642	703-F	SEPARATIONS SUPPORT BUILDING	F	Threshold	Never Contaminated	Demolish
1648	704-26F	TEMP ADMINISTRATION BLDG	F	Other	Other Industrial	Demolish
1660	704-F	AREA ADMIN AND SER. BLDG.	F	Threshold	Never Contaminated	Demolish
1681	706-F	PROJECT OFFICE BUILDING	F	Threshold	Other Industrial	Demolish
1685	707-1F	A-LINE CHANGE HOUSE	F	Other	Other Industrial	Demolish
1686	707-2F	REGULATED SHOPS	F	Threshold	Never Contaminated	Demolish
1687	707-7F	GENERAL ADMINISTRATIVE FACILITY	F	Threshold	Never Contaminated	Demolish
1691	707-F	SEPARATIONS SUPPORT SERVICES	F	Threshold	Other Industrial	Demolish
1696	709-1F	FIRE PROTECTION EQUIPMENT BUILDING	F	Threshold	Never Contaminated	Demolish
1700	709-F	FIRE STATION #2	F	Threshold	Never Contaminated	Demolish
1718	711-1F	PIPE SHOP	F	Other	Never Contaminated	Demolish
1728	711-F	STEEL & PIPE STORAGE BUILDING	F	Other	Never Contaminated	Demolish
1761	717-11F	OFFICE BUILDING	F	Other	Never Contaminated	Demolish
1764	717-12F	CRAFT BLDG/STORAGE 235-F	F	Other	Other Industrial	Demolish
1768	717-14F	CONST CRAFT MATERIAL STORAGE BLDG	F	Threshold	Other Industrial	Demolish
1787	717-F	AREA SHOPS	F	Other	Never Contaminated	Demolish

Table 4.3b EM Integrated Deactivation and Decommissioning Plan						
		Hazard		Status	Current Risk	
Unit No	Bldg No	Name	Facility Area		Conceptual Site Model Hazard	Decommissioning Alternative
1798	720-F	CENTRAL ALARM STATION (CAS)	F	Other	Other Industrial	Demolish
1811	723-3F	CONSTRUCTION LAUNDRY ROOM	F	Other	Other Industrial	Demolish
1815	723-F	LAUNDRY	F	Threshold	Nuclear Category 2	Demolish
1831	728-F	URANIUM OXIDE STORAGE	F	Threshold	Other Industrial	Demolish
1833	729-F	RESPIRATOR FIT TEST TRAILER	F	Threshold	Nuclear Category 2	Demolish
1839	730-F	STORAGE BUILDING	F	Threshold	Nuclear Category 3	Demolish
1925	772-1F	PRODUCTION CONTROL FACILITY	F	Other	Radiological	Demolish
1928	772-4F	LAB HEPA FILTRATION BLDG	F	Other	Nuclear Category 2	Demolish
1934	772-F	CONTROL LABORATORY	F	Other	Never Contaminated	ISD/IC/LTS
1992	902-3F	FIRE WATER PUMP HOUSE	F	Other	Other Industrial	Demolish
2000	905-100F	WASTE TANK PROCESS WATER WELL SW 284-F	F	Other	Other Industrial	Demolish
2001	905-37F	WELL, NORTH OF 252-7F (ABANDONED)	F	Threshold	Other Industrial	Demolish
1082	211-10H	MCC NO. 2	H	Other	Other Industrial	Demolish
1083	211-17H	15K GAL UNH STORAGE TK ELECT CONTROL RM	H	Other	Other Industrial	Demolish
1085	211-27H	LEU LOADING STATION	H	Other	Other Industrial	Demolish
1089	211-7H	CHEMICAL STORAGE BUILDING	H	Other	Other Industrial	Demolish
1090	211-8H	CONTROL ROOM	H	Other	Other Industrial	Demolish
1092	211-9H	MCC NO. 1	H	Other	Nuclear Category 2	Demolish
1094	211-H	CANYON AUXILIARIES	H	Other	Never Contaminated	Demolish
1098	221-17H	STORAGE BUILDING	H	Other	Other Industrial	Demolish
1099	221-18H	STORAGE BUILDING	H	Other	Other Industrial	Demolish
1100	221-19H	STORAGE BUILDING	H	Other	Nuclear Category 3	Demolish
1102	221-1H	A LINE	H	Other	Other Industrial	Demolish
1105	221-21H	B-LINE STORAGE BUILDING	H	Other	Other Industrial	Demolish
1112	221-4H	DECONTAMINATION CELL MAINTENANCE FAC	H	Other	Nuclear Category 2	Demolish

Table 4.3b EM Integrated Deactivation and Decommissioning Plan						
		Hazard		Status	Current Risk	
Unit No	Bldg No	Name	Facility Area		Conceptual Site Model Hazard	Decommissioning Alternative
1114	221-H	CANYON BUILDING	H	Other	Chemical - Low Hazard	ISD/IC/LTS
1117	222-H	COLD FEED PREPARATION FACILITY	H	Other	Other Industrial	Demolish
1118	224-H	MERCURY STORAGE BUILDING	H	Other	Never Contaminated	Demolish
1119	225-6H	WAREHOUSE	H	Other	Never Contaminated	Demolish
1120	228-H	SAFEGUARDS & HP SHOP	H	Other	Other Industrial	Demolish
1121	230-H	DEMONSTRATION WASTE INCINERATOR	H	Other	Nuclear Category 2	Demolish
1125	241-100H	HDB8 FACILITY	H	Other	Other Industrial	Demolish
1126	241-101H	HDB8 HVAC BLDG. FILTER BLDG.	H	Other	Nuclear Category 2	Demolish
1127	241-102H	OFFICE/WAREHOUSE	H	Other	Radiological	Demolish
1128	241-103H	COOLING WATER BASIN	H	Other	Other Industrial	ISD/IC/LTS
1130	241-104H	INFLUENT PUMP STATION	H	Other	Never Contaminated	Demolish
1131	241-105H	MCC BUILDING	H	Other	Other Industrial	Demolish
1133	241-125H	FIRE WATER PUMP HOUSE	H	Other	Other Industrial	Demolish
1135	241-13H	WEST PUMP HOUSE	H	Other	Other Industrial	Demolish
1136	241-146H	FIRE SUPPRESSION FOAM HOUSE	H	Other	Never Contaminated	Demolish
1137	241-149H	ETF STORAGE BUILDING	H	Other	Other Industrial	Demolish
1138	241-14H	EAST PUMP HOUSE	H	Other	Other Industrial	Demolish
1140	241-17H	BREATHING AIR COMPRESSOR BLDG.	H	Other	Radiological	Demolish
1142	241-18H	TREATED WATER STORAGE TANK	H	Other	Radiological	Demolish
1143	241-19H	TREATED WATER STORAGE TANK	H	Other	Radiological	Demolish
1146	241-20H	TREATED WATER STORAGE TANK	H	Other	Other Industrial	Demolish
1147	241-214H	DCS I/O STATION	H	Other	Other Industrial	Demolish
1149	241-224H	RBA ENTRANCE SHACK TO TKS 9-12	H	Other	Other Industrial	Demolish
1150	241-227H	RBA ENTRANCE SHACK TO TANKS 29-32 AND 35-37	H	Other	Other Industrial	Demolish
1151	241-228H	RBA ENTRANCE SHACK TO TANKS 13-16	H	Other	Other Industrial	Demolish

Table 4.3b EM Integrated Deactivation and Decommissioning Plan						
		Hazard		Status	Current Risk	
Unit No	Bldg No	Name	Facility Area		Conceptual Site Model Hazard	Decommissioning Alternative
1152	241-229H	RBA ENTRANCE SHACK TO PUMP PIT 5 & 6	H	Other	Nuclear Category 3	Demolish
1153	241-242H	EPVE STORAGE BUILDING	H	Other	Other Industrial	Demolish
1154	241-243H	NITROGEN STORAGE FACILITY	H	Other	Other Industrial	Demolish
1155	241-25H	PORTABLE GANG VALVE HOUSE	H	Other	Other Industrial	Demolish
1156	241-270H	STORM WATER DIVERSION BOX	H	Other	Other Industrial	ISD/IC/LTS
1157	241-271H	STORM WATER DIVERSION BOX	H	Other	Other Industrial	ISD/IC/LTS
1158	241-27H	DIVERSION BOX	H	Other	Nuclear Category 3	ISD/IC/LTS
1160	241-28H	2H CONTROL ROOM & OFFICE BUILDING	H	Other	Other Industrial	Demolish
1161	241-29H	COOLING TOWER FOR EVAP #2	H	Other	Nuclear Category 2	Demolish
1163	241-2H	3H CONTROL ROOM & OFFICE BUILDING	H	Other	Nuclear Category 2	Demolish
1164	241-31H	DB#7 AND GANG VALVE HOUSE	H	Other	Nuclear Category 3	ISD/IC/LTS
1166	241-32H	COLD FEEDS AREA	H	Other	Radiological	Demolish
1168	241-34H	IX/RO/EVAPORATOR OH TANK CONTAINMENT	H	Other	Nuclear Category 2	Demolish
1169	241-35H	HDB-2	H	Other	Radiological	ISD/IC/LTS
1170	241-36H	EVAPORATOR CONDENSER TANK CONTAINMENT	H	Other	Radiological	Demolish
1171	241-37H	EVAPORATOR FEED TANK	H	Other	Nuclear Category 2	Demolish
1172	241-3H	HDB-3	H	Other	Other Industrial	ISD/IC/LTS
1173	241-49H	FAR EAST PUMP HOUSE	H	Other	Nuclear Category 2	Demolish
1174	241-52H	DIVERSION BOX DB#5	H	Other	Radiological	ISD/IC/LTS
1176	241-53H	HVAC HEPA CONTAINMENT	H	Other	Nuclear Category 2	Demolish
1177	241-56H	HDB-6	H	Other	Other Industrial	ISD/IC/LTS
1178	241-57H	LAUNDRY BUILDING	H	Other	Other Industrial	Demolish
1180	241-58H	MAINTENANCE AND E & I SHOP	H	Other	Other Industrial	Demolish
1182	241-62H	MOTOR CONTROL CENTER	H	Other	Other Industrial	Demolish
1184	241-64H	PROCESS AIR COMPRESSOR BUILDING	H	Other	Never Contaminated	Demolish

Table 4.3b EM Integrated Deactivation and Decommissioning Plan						
		Hazard		Status	Current Risk	
Unit No	Bldg No	Name	Facility Area		Conceptual Site Model Hazard	Decommissioning Alternative
1186	241-65H	MAINTENANCE OFFICE BUILDING	H	Other	Nuclear Category 2	Demolish
1187	241-70H	PROCESS PUMP PIT FOR NEW WASTE HEADER	H	Other	Nuclear Category 3	ISD/IC/LTS
1189	241-74H	CONTROL ROOM & MCC BUILDING	H	Other	Radiological	Demolish
1191	241-75H	WASTEWATER COLLECTION TANK CONTAINMENT	H	Other	Radiological	Demolish
1192	241-76H	MERCURY REMOVAL AND CARBON TANK AREA	H	Other	Radiological	Demolish
1193	241-81H	TREATMENT BUILDING	H	Other	Nuclear Category 3	Demolish
1194	241-82H	ITP CONTROL ROOM	H	Other	Radiological	Demolish
1196	241-84H	CONTROL BUILDING	H	Other	Other Industrial	Demolish
1197	241-85H	PERSONNEL MONITOR BUILDING NORTH GATE	H	Other	Other Industrial	Demolish
1198	241-86H	PERSONNEL MONITOR BUILDING A	H	Other	Other Industrial	Demolish
1199	241-87H	PERSONNEL MONITOR BLDG. NW OF 241-58H	H	Other	Other Industrial	Demolish
1200	241-88H	EQUIPMENT STORAGE	H	Other	Nuclear Category 3	Demolish
1201	241-89H	STORAGE & SUPPLY BUILDING	H	Other	Nuclear Category 2	Demolish
1202	241-8H	DIVERSION BOX 4 AND GANG VALVE HOUSE	H	Other	Other Industrial	ISD/IC/LTS
1211	241-909H	WASTE STORAGE TANK	H	Other	Other Industrial	ISD/IC/LTS
1212	241-90H	STORAGE & SUPPLY BUILDING	H	Other	Nuclear Category 2	Demolish
1213	241-910H	WASTE STORAGE TANK	H	Other	Nuclear Category 2	ISD/IC/LTS
1214	241-911H	WASTE STORAGE TANK	H	Other	Nuclear Category 2	ISD/IC/LTS
1215	241-912H	WASTE STORAGE TANK	H	Other	Nuclear Category 2	ISD/IC/LTS
1216	241-913H	WASTE STORAGE TANK	H	Other	Nuclear Category 2	ISD/IC/LTS
1217	241-914H	WASTE STORAGE TANK	H	Other	Nuclear Category 2	ISD/IC/LTS
1218	241-915H	WASTE STORAGE TANK	H	Other	Nuclear Category 2	ISD/IC/LTS
1219	241-916H	WASTE STORAGE TANK	H	Other	Nuclear Category 2	ISD/IC/LTS
1224	241-921H	WASTE STORAGE TANK	H	Other	Nuclear Category 2	ISD/IC/LTS
1225	241-922H	WASTE STORAGE TANK	H	Other	Nuclear Category 2	ISD/IC/LTS

Table 4.3b EM Integrated Deactivation and Decommissioning Plan						
		Hazard		Status	Current Risk	
Unit No	Bldg No	Name	Facility Area		Conceptual Site Model Hazard	Decommissioning Alternative
1226	241-923H	WASTE STORAGE TANK	H	Other	Nuclear Category 2	ISD/IC/LTS
1227	241-924H	WASTE STORAGE TANK	H	Other	Nuclear Category 3	ISD/IC/LTS
1232	241-929H	WASTE STORAGE TANK	H	Other	Nuclear Category 2	ISD/IC/LTS
1233	241-92H	STORAGE & SUPPLY BUILDING	H	Other	Nuclear Category 2	Demolish
1234	241-930H	WASTE STORAGE TANK	H	Other	Nuclear Category 2	ISD/IC/LTS
1235	241-931H	WASTE STORAGE TANK	H	Other	Nuclear Category 2	ISD/IC/LTS
1236	241-932H	WASTE STORAGE TANK	H	Other	Nuclear Category 2	ISD/IC/LTS
1239	241-935H	WASTE STORAGE TANK	H	Other	Nuclear Category 2	ISD/IC/LTS
1240	241-936H	WASTE STORAGE TANK	H	Other	Nuclear Category 2	ISD/IC/LTS
1241	241-937H	WASTE STORAGE TANK	H	Other	Nuclear Category 2	ISD/IC/LTS
1242	241-938H	WASTE STORAGE TANK	H	Other	Nuclear Category 2	ISD/IC/LTS
1243	241-939H	WASTE STORAGE TANK	H	Other	Nuclear Category 2	ISD/IC/LTS
1245	241-940H	WASTE STORAGE TANK	H	Other	Nuclear Category 2	ISD/IC/LTS
1246	241-941H	WASTE STORAGE TANK	H	Other	Nuclear Category 2	ISD/IC/LTS
1247	241-942H	WASTE STORAGE TANK	H	Other	Nuclear Category 2	ISD/IC/LTS
1248	241-943H	WASTE STORAGE TANK	H	Other	Nuclear Category 2	ISD/IC/LTS
1253	241-948H	WASTE STORAGE TANK	H	Other	Nuclear Category 2	ISD/IC/LTS
1254	241-949H	WASTE STORAGE TANK	H	Other	Nuclear Category 2	ISD/IC/LTS
1255	241-950H	WASTE STORAGE TANK	H	Other	Nuclear Category 2	ISD/IC/LTS
1256	241-951H	WASTE STORAGE TANK	H	Other	Nuclear Category 2	ISD/IC/LTS
1257	241-96H	FILTER/STRIPPER BUILDING	H	Other	Nuclear Category 2	Demolish
1259	241-98H	CHEMICAL ADDITION PORTABLE BUILDING	H	Other	Nuclear Category 2	Demolish
1261	241-99H	CHEMICAL ADDITION PORTABLE BUILDING	H	Other	Nuclear Category 2	Demolish
1262	241-H	WASTE STORAGE TANKS 9-16 (HDB-1)	H	Other	Other Industrial	ISD/IC/LTS
1265	242-11H	SERVICE BUILDING FOR 3H EVAPORATOR	H	Other	Nuclear Category 2	Demolish

Table 4.3b EM Integrated Deactivation and Decommissioning Plan

		Hazard		Status	Current Risk	
Unit No	Bldg No	Name	Facility Area		Conceptual Site Model Hazard	Decommissioning Alternative
1268	242-16H	2H EVAPORATOR	H	Other	Nuclear Category 2	Demolish
1269	242-18H	CTS - H-AREA	H	Other	Nuclear Category 3	Demolish
1270	242-1H	1H CONTROL ROOM BUILDING	H	Other	Never Contaminated	Demolish
1271	242-24H	OFFICE/LUNCH ROOM BUILDING	H	Other	Nuclear Category 2	Demolish
1272	242-25H	3H EVAPORATOR CONNECTED WITH 242-11H SERVICE BLD	H	Other	Other Industrial	Demolish
1276	242-9H	ELECTRICAL CONTROL ROOM/PVS HEPA BUILDING	H	Other	Nuclear Category 2	Demolish
1278	242-H	1H EVAPORATOR	H	Other	Other Industrial	Demolish
1279	244-1H	RBOF STORAGE BUILDING	H	Other	Nuclear Category 2	Demolish
1280	244-H	RECEIVING BASIN FOR OFF-SITE FUEL	H	Other	Chemical - Low Hazard	ISD/IC/LTS
1281	245-1H	PARKING AREA / REGENERATION ACTIVITIES	H	Other	Nuclear Category 2	Demolish
1282	245-H	RESIN REGENERATION BUILDING	H	Other	Other Industrial	Demolish
1295	251-H	PRIMARY SUBSTATION (HIGH VOLTAGE 115KV)	H	Other	Other Industrial	Demolish
1296	252-22H	TRANSFORMER	H	Other	Other Industrial	Demolish
1301	253-H	RADIOLOGICAL MONITORING EQUIPMENT SHOP	H	Other	Other Industrial	Demolish
1303	254-16H	DIESEL GENERATOR FOR 241-2H	H	Other	Other Industrial	Demolish
1304	254-19H	DIESEL GENERATOR BUILDING FOR CANYON EXHAUST	H	Other	Nuclear Category 3	Demolish
1308	254-5H	DIESEL HOUSE	H	Other	Radiological	Demolish
1312	261-H	HAZARDOUS WASTE INCINERATOR	H	Other	Radiological	Demolish
1313	262-H	CIF TANK FARM	H	Other	Nuclear Category 3	Demolish
1317	280-1H	BASIN	H	Other	Other Industrial	Demolish
1320	281-10H	FILTER AND DEIONIZER FACILITY	H	Other	Nuclear Category 3	Demolish
1321	281-13H	COOLING WATER MONITOR HOUSE	H	Other	Nuclear Category 3	Demolish
1322	281-14H	COOLING WATER MONITOR HOUSE	H	Other	Nuclear Category 3	Demolish
1323	281-15H	COOLING WATER MONITOR HOUSE	H	Other	Nuclear Category 3	Demolish
1324	281-16H	COOLING WATER MONITOR HOUSE	H	Other	Nuclear Category 3	Demolish

Table 4.3b EM Integrated Deactivation and Decommissioning Plan						
		Hazard		Status	Current Risk	
Unit No	Bldg No	Name	Facility Area		Conceptual Site Model Hazard	Decommissioning Alternative
1325	281-17H	COOLING WATER MONITOR HOUSE	H	Other	Nuclear Category 3	Demolish
1326	281-18H	COOLING WATER MONITOR HOUSE	H	Other	Nuclear Category 3	Demolish
1328	281-1H	RETURN WATER DELAYING BASIN	H	Other	Nuclear Category 3	ISD/IC/LTS
1331	281-2H	RETURN WATER PUMPING BASIN	H	Other	Nuclear Category 3	ISD/IC/LTS
1333	281-4H	MONITORING HOUSE	H	Other	Nuclear Category 3	Demolish
1335	281-5H	SEGREGATED WATER DELAYING BASIN	H	Other	Nuclear Category 3	ISD/IC/LTS
1337	281-6H	MONITORING HOUSE	H	Other	Radiological	Demolish
1339	281-8H	STORAGE BASIN, 4 MILLION GALLON, LINED	H	Other	Other Industrial	ISD/IC/LTS
1341	282-H	RESERVOIR AND PUMP HOUSE	H	Other	Other Industrial	ISD/IC/LTS
1343	284-10H	COAL HANDLER OBSERVATION BUILDING	H	Other	Other Industrial	Demolish
1344	284-7H	MAINTENANCE LAYDOWN BUILDING	H	Other	Other Industrial	Demolish
1347	284-H	POWERHOUSE	H	Other	Other Industrial	Demolish
1348	285-10H	COOLING TOWERS & CHEMICAL ADDITION BUILDING	H	Other	Other Industrial	Demolish
1353	285-H	COOLING TOWER	H	Other	Radiological	ISD/IC/LTS
1355	291-H	CANYON STACK	H	Other	Radiological	Demolish
1358	292-1H	VESSEL VENT FAN HOUSE	H	Other	Radiological	ISD/IC/LTS
1360	292-2H	FAN HOUSE BUILDING	H	Other	Nuclear Category 3	Demolish
1361	292-3H	STACK MONITORING EQUIPMENT BUILDING	H	Other	Radiological	Demolish
1363	292-H	CANYON EXHAUST FAN HOUSE	H	Other	Nuclear Category 2	Demolish
1367	294-1H	ADDITIONAL CANYON SAND FILTER	H	Other	Nuclear Category 2	ISD/IC/LTS
1370	294-H	CANYON EXHAUST FILTERS	H	Other	Other Industrial	ISD/IC/LTS
1372	299-2H	AIR COMPRESSOR BUILDING	H	Other	Nuclear Category 3	Demolish
1373	299-4H	STORAGE/SUPPLY BUILDING	H	Other	Other Industrial	Demolish
1374	299-5H	CRANE SHELTER	H	Other	Nuclear Category 3	Demolish
1375	299-H	MAINTENANCE FACILITY	H	Other	Other Industrial	Demolish

Table 4.3b EM Integrated Deactivation and Decommissioning Plan						
		Hazard		Status	Current Risk	
Unit No	Bldg No	Name	Facility Area		Conceptual Site Model Hazard	Decommissioning Alternative
1452	607-20H	CHEMICAL FEED FACILITY	H	Other	Radiological	Demolish
1455	607-24H	LIFT STATION	H	Other	Nuclear Category 3	ISD/IC/LTS
1460	607-33H	SOLVENT TANK	H	Other	Nuclear Category 3	Demolish
1461	607-34H	SOLVENT TANK	H	Other	Nuclear Category 3	Demolish
1462	607-35H	SOLVENT TANK	H	Other	Nuclear Category 3	Demolish
1463	607-36H	SOLVENT TANK	H	Other	Other Industrial	Demolish
1465	607-40H	H-AREA PUMP STATION FOR WASTEWATER TREATMENT FAC	H	Other	Other Industrial	Demolish
1585	701-15H	GUARDHOUSE	H	Other	Other Industrial	Demolish
1587	701-19H	SOUTH GATE GUARD SHACK	H	Other	Other Industrial	Demolish
1592	701-1H	PARTOL HEADQUARTERS	H	Other	Other Industrial	Demolish
1597	701-20H	WEST BADGE HOUSE	H	Other	Other Industrial	Demolish
1600	701-23H	GATE "Q" ECF	H	Other	Other Industrial	Demolish
1606	701-34H	ENTRY CONTROL FACILITY (FOR HTF AREA)	H	Other	Other Industrial	Demolish
1607	701-3H	GATEHOUSE ENTRANCE TO 232-H & 234-H	H	Other	Other Industrial	Demolish
1620	702-H	TELEPHONE EXCHANGE BUILDING	H	Other	Other Industrial	Demolish
1643	703-H	OFFICE BUILDING	H	Other	Other Industrial	Demolish
1649	704-2H	ADMINISTRATION BUILDING	H	Other	Other Industrial	Demolish
1653	704-55H	CONSTRUCTION ADMINISTRATION OFFICE	H	Other	Other Industrial	Demolish
1654	704-56H	OFFICE BUILDING	H	Other	Other Industrial	Demolish
1661	704-H	AREA ADMINISTRATION & SERVICE BUILDING	H	Other	Other Industrial	Demolish
1674	705-H	TRAINING BUILDING	H	Other	Other Industrial	Demolish
1682	706-H	OFFICE BUILDING	H	Other	Other Industrial	Demolish
1692	707-H	OFFICE BUILDING	H	Other	Other Industrial	Demolish
1794	719-H	MEDICAL FACILITY	H	Other	Other Industrial	Demolish
1799	720-H	CENTRAL ALARM STATION (CAS)	H	Other	Other Industrial	Demolish

Table 4.3b EM Integrated Deactivation and Decommissioning Plan						
		Hazard		Status	Current Risk	
Unit No	Bldg No	Name	Facility Area		Conceptual Site Model Hazard	Decommissioning Alternative
1824	724-H	OFFICE, SHOP & STORAGE BUILDING	H	Other	Other Industrial	Demolish
1921	766-H	SRS CENTRAL TRAINING FACILITY	H	Other	Other Industrial	Demolish
1935	772-H	PRE-FABRICATED BUILDING	H	Other	Other Industrial	Demolish
1964	782-1H	PUMP HOUSE	H	Other	Other Industrial	Demolish
1993	902-3H	FIRE WATER PUMP HOUSE	H	Other	Other Industrial	Demolish
2002	905-87H	DEEPWELL	H	Other	Nuclear Category 2	ISD/IC/LTS
1001	105-13K	HEAVY WATER STORAGE FACILITY	K	Other	Other Industrial	Demolish
1003	105-1K	NO. 1&4 BASIN DEIONIZERS (POR) PAD FAC	K	Other	Other Industrial	Demolish
1004	105-3K	DISASSEMBLY BASIN FILTRATION FAC.	K	Other	Nuclear Category 2	Demolish
1007	105-K	REACTOR BUILDING	K	Other	Other Industrial	ISD/IC/LTS
1012	107-K	COOLING WATER EFFLUENT SUMP	K	Other	Other Industrial	ISD/IC/LTS
1016	108-1K	ENGINE HOUSE	K	Other	Other Industrial	ISD/IC/LTS
1021	108-2K	ENGINE HOUSE	K	Other	Other Industrial	ISD/IC/LTS
1030	151-1K	PRIMARY SUBSTATION (HIGH VOLT 115/13.8)	K	Other	Other Industrial	ISD/IC/LTS
1035	151-2K	PRIMARY SUBSTATION (HIGH VOLT 115/13.8)	K	Other	Other Industrial	ISD/IC/LTS
1043	183-2K	FILTER AND SOFTENER PLANT	K	Other	Other Industrial	Demolish
1047	183-3K	DIESEL GENERATOR CONTROL BUILDING	K	Other	Other Industrial	Demolish
1049	183-4K	CLARIFICATION PLANT (MISC. SERVICES)	K	Max	Other Industrial	Demolish
1052	184-2K	SHELTER FOR DIESEL FUEL OIL STRG TANK NO. 1	K	Other	Other Industrial	Demolish
1055	184-K	POWERHOUSE	K	Other	Other Industrial	Demolish
1056	185-3K	COOLING TOWER	K	Max	Other Industrial	ISD/IC/LTS
1057	185-K	COOLING TOWER	K	Max	Other Industrial	Demolish
1058	186-1K	SODIUM HYPOCHLORITE TANK STORAGE	K	Max	Other Industrial	Demolish
1061	186-K	COOLING WATER RESERVOIR	K	Max	Other Industrial	ISD/IC/LTS
1066	190-K	COOLING WATER PUMP HOUSE	K	Max	Other Industrial	ISD/IC/LTS

Table 4.3b EM Integrated Deactivation and Decommissioning Plan						
		Hazard		Status	Current Risk	
Unit No	Bldg No	Name	Facility Area		Conceptual Site Model Hazard	Decommissioning Alternative
1071	192-2K	PUMPHOUSE-REACTOR FIRE WATER SYSTEM	K	Other	Other Industrial	Demolish
1072	192-K	PUMPHOUSE-DOMESTIC & FIRE WATER SYSTEM	K	Other	Other Industrial	Demolish
1447	607-18K	CHEMICAL FEED BUILDING	K	Max	Other Industrial	Demolish
1453	607-20K	DIVERSION BOX	K	Max	Other Industrial	ISD/IC/LTS
1494	614-2K	EFFLUENT MONITORING BUILDING	K	Max	Other Industrial	Demolish
1593	701-1K	AREA GATEHOUSE & PATROL HQ.	K	Other	Other Industrial	Demolish
1603	701-2K	GATEHOUSE ENTRANCE AT BLDG. 105	K	Other	Other Industrial	Demolish
1621	702-K	TELEPHONE EXCHANGE BUILDING	K	Other	Never Contaminated	Demolish
1662	704-K	AREA ADM. & SERVICES BUILDING	K	Other	Never Contaminated	Demolish
1675	705-K	ADMINISTRATIVE OFFICE FACILITY	K	Other	Never Contaminated	Demolish
1729	711-K	MAINTENANCE MATERIAL STORAGE BLDG.	K	Other	Other Industrial	Demolish
1770	717-16K	LUMBER STORAGE SHED	K	Other	Other Industrial	Demolish
1788	717-K	VIDEO-SAFEGUARDS MAINTENANCE FACILITY	K	Other	Chemical - Low Hazard	Demolish
1990	901-1K	POLYPHOSPHATE UNLOADING AND STORAGE FACILITY	K	Max	Never Contaminated	Demolish
2003	915-K	DOMESTIC WATER ELEVATED STORAGE TANK	K	Other	Other Industrial	Demolish
1000	105-10L	L-REACTOR DISASSEMBLY BASIN DEOINIZER SYSTEM	L	Other	Other Industrial	Demolish
1005	105-9L	SETTLER TANK & FILTERS AREA	L	Other	Nuclear Category 2	Demolish
1008	105-L	REACTOR BUILDING	L	Other	Radiological	ISD/IC/LTS
1013	107-L	COOLING WATER EFFLUENT SUMP	L	Other	Other Industrial	Demolish
1017	108-1L	ENGINE HOUSE	L	Other	Other Industrial	ISD/IC/LTS
1022	108-2L	ENGINE HOUSE	L	Other	Other Industrial	ISD/IC/LTS
1025	108-4L	EMERG DIESEL GENER & FUEL OIL STORAGE	L	Other	Other Industrial	Demolish
1027	110-L	HELIUM STORAGE TANK	L	Max	Other Industrial	Demolish
1031	151-1L	PRIMARY SUBSTATION (HIGH VOLT 115/13.8)	L	Other	Other Industrial	ISD/IC/LTS
1036	151-2L	PRIMARY SUBSTATION (HIGH VOLT 115/13.8)	L	Other	Other Industrial	ISD/IC/LTS

Table 4.3b EM Integrated Deactivation and Decommissioning Plan						
		Hazard		Status	Current Risk	
Unit No	Bldg No	Name	Facility Area		Conceptual Site Model Hazard	Decommissioning Alternative
1040	152-7L	GENERATOR ROOM	L	Other	Other Industrial	Demolish
1044	183-2L	FILTER AND SOFTENER PLANT	L	Other	Other Industrial	Demolish
1048	183-3L	DIESEL GENERATOR CONTROL BUILDING	L	Max	Other Industrial	Demolish
1050	183-4L	CLARIFICATION PLANT (MISC. SERVICES)	L	Max	Other Industrial	Demolish
1054	184-6L	STORAGE BUILDING	L	Other	Other Industrial	Demolish
1062	186-L	COOLING WATER RESERVOIR	L	Other	Other Industrial	ISD/IC/LTS
1067	190-L	COOLING WATER PUMP HOUSE	L	Other	Other Industrial	ISD/IC/LTS
1070	191-L	STANDBY PUMP HOUSE	L	Max	Other Industrial	Demolish
1449	607-19L	CHEMICAL STORAGE BUILDING	L	Max	Other Industrial	Demolish
1495	614-2L	EFFLUENT MONITORING BUILDING	L	Max	Other Industrial	Demolish
1594	701-1L	AREA GATEHOUSE & PATROL HQ.	L	Other	Other Industrial	Demolish
1604	701-2L	GATEHOUSE ENTRANCE AT BLDG. 105	L	Other	Other Industrial	Demolish
1622	702-L	TELEPHONE EXCHANGE BUILDING	L	Other	Other Industrial	Demolish
1663	704-L	AREA ADM. & SERVICES BUILDING	L	Other	Other Industrial	Demolish
1730	711-L	MAINTENANCE MATERIAL STORAGE BLDG.	L	Other	Other Industrial	Demolish
1809	723-1L	CLOTHING CHANGE FACILITY	L	Max	Other Industrial	Demolish
1810	723-2L	CLOTHING CHANGE FACILITY	L	Max	Other Industrial	Demolish
1812	723-3L	CLOTHING CHANGE FACILITY	L	Max	Other Industrial	Demolish
1813	723-4L	SWP CLOTHING BUILDING	L	Other	Other Industrial	Demolish
1816	723-L	CONTAMINATED LAUNDRY STORAGE BLDG.	L	Other	Other Industrial	Demolish
1377	313-M	CANNING BUILDING	M	Target	Radiological	Demolish
1378	315-4M	HAZARDOUS MIXED WASTE STORAGE PAD	M	Max	Other Industrial	Demolish
1379	315-M	ESSENTIAL MATERIALS WAREHOUSE	M	Max	Other Industrial	Demolish
1380	316-1M	CHEMICAL STORAGE PAD	M	Target	Radiological	Demolish
1381	316-M	DRUM STORAGE FACILITY	M	Target	Other Industrial	Demolish

Table 4.3b EM Integrated Deactivation and Decommissioning Plan

		Hazard		Status	Current Risk	
Unit No	Bldg No	Name	Facility Area		Conceptual Site Model Hazard	Decommissioning Alternative
1382	320-M	ALLOY BUILDING	M	Target	Other Industrial	Demolish
1383	321-M	MANUFACTURING BUILDING	M	Target	Other Industrial	Demolish
1384	322-M	METALLURGICAL LABORATORY	M	Target	Other Industrial	Demolish
1385	323-M	MCC FOR GROUND WATER TREATMENT	M	Other	Other Industrial	Demolish
1386	324-M	VERTICAL PRESS BUILDING	M	Target	Other Industrial	Demolish
1387	330-M	SLUG WAREHOUSE	M	Complete	Other Industrial	Demolish
1388	331-M	CORE STORAGE WAREHOUSE	M	Complete	Other Industrial	Demolish
1389	340-M	LAB WASTE TREATMENT FACILITY	M	Complete	Other Industrial	Demolish
1390	341-1M	TANK FARM CONTAINMENT COVER	M	Target	Other Industrial	Demolish
1391	341-8M	VENDOR TREATMENT FACILITY	M	Target	Other Industrial	Demolish
1392	341-M	DILUTE EFFLUENT TREATMENT FACILITY	M	Target	Other Industrial	Demolish
1393	363-1M	ELECTRICAL STORAGE BUILDING (FORMERLY MS4	M	Target	Other Industrial	Demolish
1394	363-2M	ELECTRICAL STORAGE BUILDING (FORMERLY MS5)	M	Target	Other Industrial	Demolish
1595	701-1M	MAIN GATEHOUSE	M	Target	Other Industrial	Demolish
1610	701-4M	HARDEN ENTRY CONTROL FACILITY TO 321-M	M	Target	Other Industrial	Demolish
1664	704-M	AREA ADMINISTRATION BUILDING	M	Target	Other Industrial	Demolish
1840	730-M	ENGINEERING & TRAINING BUILDING	M	Max	Other Industrial	Demolish
1965	782-1M	PUMP HOUSE	M	Other	Never Contaminated	Demolish
1315	278-2N	ICE HOUSE	N	Max	Other Industrial	Demolish
1464	607-38N	CHEMICAL FEED FACILITY	N	Max	Other Industrial	Demolish
1483	607-84N	TREATMENT FACILITY	N	Other	Never Contaminated	Demolish
1517	623-27N	SRS CENTRAL CLIMATOLOGY DATA STATION	N	Other	Never Contaminated	Demolish
1527	645-1N	ADMINISTRATION BUILDING	N	Other	Nuclear Category 3	Demolish
1528	645-2N	INTERIM STORAGE FAC	N	Other	Nuclear Category 3	Demolish
1529	645-4N	SOLID HAZARDOUS WASTE STORAGE BLDG	N	Other	Nuclear Category 3	Demolish

Table 4.3b EM Integrated Deactivation and Decommissioning Plan						
		Hazard		Status	Current Risk	
Unit No	Bldg No	Name	Facility Area		Conceptual Site Model Hazard	Decommissioning Alternative
1530	645-N	STOR FAC FOR NON-RADIOACTIVE HAZ WASTE	N	Other	Other Industrial	Demolish
1535	652-12N	SEC TRANS SUBSTATION	N	Other	Other Industrial	Demolish
1564	681-17N	PUMP HOUSE	N	Other	Other Industrial	Demolish
1577	690-N	PROCESS HEAT EXCHANGER REPAIR FAC	N	Other	Never Contaminated	Demolish
1646	704-1N	SRQA BUILDING, C/S	N	Other	Never Contaminated	Demolish
1650	704-2N	CONCRETE OFFICE	N	Other	Never Contaminated	Demolish
1651	704-3N	C/S CAB BUILDING	N	Other	Never Contaminated	Demolish
1652	704-4N	MILLER DUNN ELECTRIC BUILDING	N	Other	Never Contaminated	Demolish
1665	704-N	CONSTRUCTION ADMINISTRATION BUILDING	N	Other	Other Industrial	Demolish
1676	705-N	ADMINISTRATION BUILDING	N	Other	Never Contaminated	Demolish
1677	706-3N	HEAVY EQUIP STORAGE SHED	N	Other	Other Industrial	Demolish
1683	706-N	ADMINISTRATION BUILDING	N	Other	Never Contaminated	Demolish
1701	710-10N	CABLE SHED	N	Other	Never Contaminated	Demolish
1702	710-12N	TIRE STORAGE CANOPY	N	Other	Never Contaminated	Demolish
1703	710-14N	EQUIPMENT SHED	N	Other	Never Contaminated	Demolish
1704	710-15N	STORAGE SHED	N	Other	Chemical - Low Hazard	Demolish
1706	710-17N	FLAMABLE STORAGE	N	Other	Never Contaminated	Demolish
1709	710-2N	STORAGE BUILDING	N	Other	Other Industrial	Demolish
1711	710-4N	HAZARDOUS WASTE STORAGE	N	Other	Other Industrial	Demolish
1712	710-6N	HE OIL STORAGE BUILDING	N	Other	Never Contaminated	Demolish
1713	710-7N	STORAGE SHED	N	Other	Other Industrial	Demolish
1714	710-9N	MACH. AND M.W. OIL STORAGE	N	Other	Never Contaminated	Demolish
1716	710-N	EXCESS STORAGE	N	Max	Other Industrial	Demolish
1719	711-1N	PIPE, NPC OFFICES-ELECRICAL SHOP	N	Other	Never Contaminated	Demolish
1720	711-2N	SPECIAL PROJECTS-ADDN.	N	Other	Other Industrial	Demolish

Table 4.3b EM Integrated Deactivation and Decommissioning Plan						
		Hazard		Status	Current Risk	
Unit No	Bldg No	Name	Facility Area		Conceptual Site Model Hazard	Decommissioning Alternative
1721	711-3N	PIPE WAREHOUSE	N	Max	Never Contaminated	Demolish
1722	711-5N	PLUMBING MAINTENANCE AREA	N	Other	Other Industrial	Demolish
1723	711-6N	X-RAY	N	Other	Other Industrial	Demolish
1724	711-9N	MECHANICAL SHOP	N	Other	Other Industrial	Demolish
1731	711-N	PIPE AND MECHANICAL SHOP	N	Other	Other Industrial	Demolish
1735	713-1N	A WAREHOUSE, CMR, ISC CONTROL #31	N	Other	Chemical - Low Hazard	Demolish
1737	713-2N	DOUBLE BAY WAREHOUSE FOR S-AREA	N	Other	Never Contaminated	Demolish
1738	713-3N	WAREHOUSE FOR S-AREA	N	Other	Never Contaminated	Demolish
1740	713-N	B WAREHOUSE, C/S	N	Other	Other Industrial	Demolish
1741	714-2N	SPARE EQUIPMENT STORAGE	N	Other	Never Contaminated	Demolish
1742	714-5N	REACTOR COMPONENT STORAGE	N	Other	Never Contaminated	Demolish
1743	714-6N	MISCELLANEOUS STORAGE (SYLCOR)	N	Other	Nuclear Category 2	Demolish
1744	714-7N	SEPERATIONS PROCESS STORAGE	N	Other	Never Contaminated	Demolish
1746	714-N	STORAGE BUILDING	N	Other	Other Industrial	Demolish
1748	715-2N	BULK FUEL FACILITY	N	Other	Other Industrial	Demolish
1750	716-1N	NEW STEAM CLEANING	N	Other	Never Contaminated	Demolish
1753	716-4N	HEAVY EQUIPMENT WASH AREA	N	Other	Other Industrial	Demolish
1756	716-N	GARAGE, SVC STATION, COMPRESSOR HOUSE	N	Other	Never Contaminated	Demolish
1758	717-10N	WAREHOUSE AND INSULATION SHOP	N	Other	Never Contaminated	Demolish
1762	717-11N	ELECTRICAL LINEMEN'S OFFICE/WAREHOUSE	N	Other	Never Contaminated	Demolish
1765	717-12N	CONSTRUCTION SORT BUILDING	N	Max	Other Industrial	Demolish
1767	717-13N	CONST ENV STAGING BUILDING	N	Other	Other Industrial	Demolish
1769	717-15N	RECLAIMING BUILDING	N	Other	Other Industrial	Demolish
1772	717-1N	BOILERMAKER SHOP	N	Other	Never Contaminated	Demolish
1773	717-21N	SMALL TOOL REPAIR SHOP	N	Other	Other Industrial	Demolish

Table 4.3b EM Integrated Deactivation and Decommissioning Plan

		Hazard		Status	Current Risk	
Unit No	Bldg No	Name	Facility Area		Conceptual Site Model Hazard	Decommissioning Alternative
1775	717-3N	SHEETMETAL SHOP	N	Other	Never Contaminated	Demolish
1778	717-5N	PTL., INST., QA & WAREHOUSE	N	Other	Never Contaminated	Demolish
1781	717-8N	CARPENTER SHOP AND OFFICE	N	Other	Never Contaminated	Demolish
1783	717-9N	LAYOUT, T&I OFFICES, WELD TEST	N	Other	Other Industrial	Demolish
1789	717-N	SIW SHOP	N	Other	Never Contaminated	Demolish
1792	719-5N	CONSTRUCTION EMPLOYMENT BUILDING	N	Other	Other Industrial	Demolish
1795	719-N	PROPERTY MANAGEMENT	N	Other	Other Industrial	Demolish
1807	722-N	E&I SHOP	N	Other	Other Industrial	Demolish
1825	725-1N	A SAND BLAST SHED	N	Other	Other Industrial	Demolish
1826	725-2N	PAINT SHED	N	Other	Other Industrial	Demolish
1828	725-N	PAINT	N	Other	Other Industrial	Demolish
1829	726-1N	COAL SAMPLING FACILITY	N	Other	Other Industrial	Demolish
1832	728-N	CASK REPAIR FACILITY	N	Other	Never Contaminated	Demolish
1841	730-N	FURNITURE STORAGE WAREHOUSE	N	Other	Never Contaminated	Demolish
1842	731-1N	RECEIVING FACILITY-MAT'L RECEV & STOR FAC	N	Other	Never Contaminated	Demolish
1843	731-2N	BULK STRG WHSE-MAT'L MGMT RECV & STOR FAC	N	Other	Never Contaminated	Demolish
1844	731-3N	SPARE PARTS WHSE-MAT'L MGMT RECV & STOR FAC	N	Other	Never Contaminated	Demolish
1845	731-4N	GENERAL STORES WAREHOUSE	N	Other	Chemical - Low Hazard	Demolish
1846	731-5N	FLAMMABLE MATERIAL STORAGE	N	Other	Other Industrial	Demolish
1847	731-6N	COMPRESSED GAS STORAGE	N	Other	Never Contaminated	Demolish
1848	731-N	ASSET SUPPORT GROUP BUILDING	N	Other	Nuclear Category 3	Demolish
1891	741-1N	PCB STORAGE FACILITY	N	Other	Other Industrial	Demolish
1892	741-2N	USED DRUM AND BATTERY STORAGE	N	Other	Other Industrial	Demolish
1893	741-N	SALVAGE AND RECLAMATION BUILDING	N	Other	Never Contaminated	Demolish
1918	763-106N	STORAGE BUILDING	N	Other	Never Contaminated	Demolish

Table 4.3b EM Integrated Deactivation and Decommissioning Plan						
		Hazard		Status	Current Risk	
Unit No	Bldg No	Name	Facility Area		Conceptual Site Model Hazard	Decommissioning Alternative
1919	763-52N	STORAGE BUILDING	N	Other	Other Industrial	Demolish
1002	105-13P	HEAVY WATER STORAGE FACILITY	P	Other	Radiological	Demolish
1009	105-P	REACTOR BUILDING	P	Other	Other Industrial	ISD/IC/LTS
1014	107-P	COOLING WATER EFFLUENT SUMP	P	Max	Other Industrial	ISD/IC/LTS
1018	108-1P	ENGINE HOUSE	P	Other	Other Industrial	ISD/IC/LTS
1023	108-2P	ENGINE HOUSE	P	Other	Other Industrial	ISD/IC/LTS
1032	151-1P	PRIMARY SUBSTATION (HIGH VOLT 115/13.8)	P	Other	Other Industrial	ISD/IC/LTS
1037	151-2P	PRIMARY SUBSTATION (HIGH VOLT 115/13.8)	P	Other	Other Industrial	ISD/IC/LTS
1041	152-7P	GENERATOR ROOM	P	Max	Other Industrial	Demolish
1045	183-2P	FILTER AND SOFTENER PLANT	P	Max	Other Industrial	Demolish
1051	183-4P	CLARIFICATION PLANT (MISC. SERVICES)	P	Max	Other Industrial	Demolish
1059	186-1P	SODIUM HYPOCHLORITE TANK STORAGE	P	Max	Other Industrial	Demolish
1063	186-P	COOLING WATER RESERVOIR	P	Max	Other Industrial	ISD/IC/LTS
1068	190-P	COOLING WATER PUMP HOUSE	P	Max	Other Industrial	ISD/IC/LTS
1454	607-22P	CHEMICAL FEED FACILITY	P	Max	Other Industrial	Demolish
1456	607-24P	EQULIZATION BASIN	P	Max	Other Industrial	ISD/IC/LTS
1496	614-2P	EFFLUENT MONITORING BUILDING	P	Max	Other Industrial	Demolish
1596	701-1P	AREA GATEHOUSE & PATROL HQ.	P	Other	Other Industrial	Demolish
1605	701-2P	GATEHOUSE ENTRANCE AT BLDG. 105	P	Max	Other Industrial	Demolish
1623	702-P	TELEPHONE EXCHANGE BUILDING	P	Other	Other Industrial	Demolish
1666	704-P	AREA ADM. & SERVICES BUILDING	P	Max	Nuclear Category 3	Demolish
1010	105-R	REACTOR BUILDING (STANDBY)	R	Other	Other Industrial	ISD/IC/LTS
1019	108-1R	ENGINE HOUSE (STANDBY)	R	Other	Other Industrial	ISD/IC/LTS
1024	108-2R	ENGINE HOUSE (STANDBY)	R	Other	Radiological	ISD/IC/LTS
1026	109-R	PURGE WATER STORAGE BASIN (IN STANDBY)	R	Max	Nuclear Category 2	ISD/IC/LTS

Table 4.3b EM Integrated Deactivation and Decommissioning Plan						
		Hazard		Status	Current Risk	
Unit No	Bldg No	Name	Facility Area		Conceptual Site Model Hazard	Decommissioning Alternative
1028	122-R	PROCESS STORAGE BUILDING	R	Max	Other Industrial	Demolish
1033	151-1R	PRIMARY SUBSTATION (HIGH VOLT 115/13.8)	R	Other	Other Industrial	ISD/IC/LTS
1038	151-2R	PRIMARY SUBSTATION (HIGH VOLT 115/13.8)	R	Max	Other Industrial	ISD/IC/LTS
1042	183-1R	CLARIFICATION PLANT(COOLING WATER)	R	Max	Other Industrial	ISD/IC/LTS
1046	183-2R	FILTER AND SOFTENER PLANT (STANDBY)	R	Max	Other Industrial	ISD/IC/LTS
1064	186-R	COOLING WATER RESERVOIR (STANDBY)	R	Max	Other Industrial	ISD/IC/LTS
1069	190-R	COOLING WATER PUMP HOUSE (STANDBY)	R	Max	Nuclear Category 3	ISD/IC/LTS
1080	210-S	SERVICE BUILDING	S	Other	Nuclear Category 2	Demolish
1115	221-S	VITRIFICATION BUILDING	S	Other	Other Industrial	ISD/IC/LTS
1291	250-1S	SPARE EQUIPMENT STORAGE BUILDING	S	Other	Other Industrial	Demolish
1292	250-2S	PORTABLE STORAGE BUILDING	S	Other	Nuclear Category 2	Demolish
1293	250-S	GLASS WASTE STORAGE BUILDING	S	Other	Nuclear Category 2	Demolish
1311	260-S	CRANE CONTROL BUILDING	S	Other	Nuclear Category 2	Demolish
1356	291-S	VENT EXHAUST STACK	S	Other	Nuclear Category 2	Demolish
1364	292-S	FAN HOUSE	S	Other	Nuclear Category 2	Demolish
1371	294-S	SAND FILTER	S	Other	Nuclear Category 2	ISD/IC/LTS
1409	422-2S	BULK FRIT FACILITY	S	Other	Nuclear Category 3	Demolish
1410	422-S	COLD FEED STORAGE	S	Other	Other Industrial	Demolish
1411	430-1S	REF ORGANIC RECOVERY UNIT	S	Other	Nuclear Category 2	Demolish
1412	430-S	ORGANIC WASTE STORAGE FAC	S	Other	Other Industrial	Demolish
1437	511-1S	LOW POINT PUMP PIT HVAC	S	Other	Other Industrial	Demolish
1438	511-2S	INSTRUMENT SHELTER BUILDING	S	Other	Nuclear Category 2	Demolish
1439	511-S	LOW POINT PUMP PIT	S	Other	Other Industrial	Demolish
1440	512-1S	LATEWASH FACILITY HVAC BUILDING	S	Other	Nuclear Category 2	Demolish
1441	512-6S	LATEWASH LABORATORY	S	Other	Nuclear Category 2	Demolish

Table 4.3b EM Integrated Deactivation and Decommissioning Plan						
		Hazard		Status	Current Risk	
Unit No	Bldg No	Name	Facility Area		Conceptual Site Model Hazard	Decommissioning Alternative
1442	512-7S	LATEWASH COLD CHEMICAL FEED SHELTER	S	Other	Nuclear Category 2	Demolish
1443	512-S	LATEWASH FACILITY	S	Other	Other Industrial	Demolish
1490	607-S	S-AREA PUMP STATION FOR WASTEWATER TREATMENT FAC	S	Other	Other Industrial	ISD/IC/LTS
1613	701-S	ENTRY CONTROL FACILITY	S	Other	Other Industrial	Demolish
1624	702-S	TELEPHONE BUILDING	S	Other	Other Industrial	Demolish
1644	704-106S	CYLINDER STORAGE SHELTER	S	Other	Other Industrial	Demolish
1655	704-71S	TC-S1 ADMINISTRATION BLDG	S	Other	Other Industrial	Demolish
1656	704-72S	TC-S2 RECEIVING STORES	S	Other	Other Industrial	Demolish
1667	704-S	OPERATIONS BUILDING	S	Other	Other Industrial	Demolish
1684	706-S	DISTRIBUTIVE CONTROL STAGING BUILDING	S	Other	Other Industrial	Demolish
1693	707-S	MAINTANCE SHOP	S	Other	Other Industrial	Demolish
1747	714-S	SPARE PARTS BUILDING	S	Other	Other Industrial	Demolish
1759	717-10S	TC-S7 LAB SUPPORT FAC. (FORMERLY 717012 N)	S	Other	Other Industrial	Demolish
1763	717-11S	TC-S3 PIPE SHOP	S	Other	Other Industrial	Demolish
1766	717-12S	TC-S5 ELECTRICAL SHOP	S	Other	Other Industrial	Demolish
1776	717-3S	LUBRICATION STORAGE BUILDING	S	Other	Other Industrial	Demolish
1790	717-S	OFFICE BUILDING & MAINTENANCE SHOP	S	Other	Other Industrial	Demolish
1987	831-10S	CHEMICAL STORAGE BUILDING	S	Other	Other Industrial	Demolish
1988	831-3S	SWIRL CELL FACILITY	S	Other	Radiological	Demolish
1989	831-S	SWIRL CELL FACILITY	S	Other	Nuclear Category 3	Demolish
2004	951-S	PRIMARY SUBSTATION	S	Other	Other Industrial	Demolish
2006	952-7S	TRANSFORMER 952-7S	S	Other	Other Industrial	Demolish
2007	956-S	FUEL OIL STORAGE	S	Other	Other Industrial	Demolish
2008	980-1S	NEUTRALIZED FIRE WATER TANK	S	Other	Nuclear Category 3	Demolish
2009	980-S	WATER & CHEMICAL WASTE TREATMENT FAC	S	Other	Other Industrial	Demolish

Table 4.3b EM Integrated Deactivation and Decommissioning Plan						
		Hazard		Status	Current Risk	
Unit No	Bldg No	Name	Facility Area		Conceptual Site Model Hazard	Decommissioning Alternative
2011	981-1S	CHEMICAL TREATMENT FAC	S	Other	Nuclear Category 3	Demolish
2012	981-S	COOLING TOWER	S	Other	Other Industrial	Demolish
1466	607-40T	TNX PACKAGED SANIT'RY WASTE TREAT PLANT	T	Target	Other Industrial	Demolish
1467	607-41T	TNX SANITARY WASTE CHEMICAL FEED BLDG.	T	Target	Other Industrial	Demolish
1468	607-46T	ORGANIC REMOVAL FACILITY	T	Other	Other Industrial	Demolish
1536	652-13T	SECONDARY TRANS. SUBSTATION #3, TNX	T	Target	Other Industrial	Demolish
1554	671-T	SERVICE TANKAGE FACILITIES, TNX	T	Target	Other Industrial	Demolish
1555	672-T	DWPF SEMI-WORKS BUILDING	T	Complete	Other Industrial	Demolish
1556	673-T	CONTAINERIZATION EQUIPMENT DEV FAC TNX	T	Complete	Other Industrial	Demolish
1557	674-T	CHEMICAL STORAGE FACILITY, TNX	T	Complete	Other Industrial	Demolish
1558	675-T	GLASS MELTER BUILDING	T	Complete	Other Industrial	Demolish
1559	677-T	PILOT PLANT BUILDING	T	Complete	Other Industrial	Demolish
1560	678-5T	SEMIWORKS WASTE TANK MOCK-UP	T	Complete	Other Industrial	Demolish
1561	678-T	CHEMICAL SEMIWORKS BLDG (TNX)	T	Complete	Other Industrial	Demolish
1562	679-8T	PUMP HOUSE	T	Complete	Other Industrial	Demolish
1563	679-T	ENGINEERING TEST FAC. (CMX)	T	Complete	Other Industrial	Demolish
1574	682-T	MANUFACTURING BUILDING	T	Complete	Other Industrial	Demolish
1575	684-T	SOLVENT STORAGE BUILDING	T	Complete	Other Industrial	Demolish
1578	692-T	ECR/ICR BUILDING	T	Complete	Other Industrial	Demolish
1579	694-2T	CARPENTER SHOP	T	Complete	Other Industrial	Demolish
1580	694-T	CONSTRUCTION BUILDING	T	Complete	Other Industrial	Demolish
1625	702-T	TELECOMMUNICATION BUILDING	T	Complete	Other Industrial	Demolish
1647	704-1T	TNX ADMINISTRATION BLDG. ANNEX	T	Complete	Other Industrial	Demolish
1657	704-8T	BECTEL OFFICE BUILDING	T	Complete	Other Industrial	Demolish
1668	704-T	TNX AREA ADMINISTRATION BLDG.	T	Complete	Other Industrial	Demolish

Table 4.3b EM Integrated Deactivation and Decommissioning Plan						
		Hazard		Status	Current Risk	
Unit No	Bldg No	Name	Facility Area		Conceptual Site Model Hazard	Decommissioning Alternative
1732	711-T	MECHANICAL SERVICES BLDG. TNX	T	Complete	Other Industrial	Demolish
	772-T	CONSOLIDATED LAB	T	Complete	Other Industrial	Demolish
1936	772-T	CONSOLIDATED LAB	T	Complete	Other Industrial	Demolish
1999	904-T	TNX EFFLUENT TREATMENT PLANT	T	Max	Other Industrial	Demolish
1073	201-Z	SSHT/FWRT PITS & PAD	Z	Other	Nuclear Category 3	Demolish
1074	205-1Z	FLYASH SILO #1	Z	Other	Other Industrial	Demolish
1075	205-2Z	FLYASH SILO #2	Z	Other	Other Industrial	Demolish
1076	205-3Z	FLYASH SILO #3	Z	Other	Other Industrial	Demolish
1077	205-4Z	CEMENT SILO	Z	Other	Other Industrial	Demolish
1078	205-7Z	UNLOADING SHED	Z	Other	Other Industrial	Demolish
1079	205-8Z	UNLOADING OFFICE	Z	Other	Other Industrial	Demolish
1081	210-Z	PROCESS	Z	Other	Nuclear Category 3	Demolish
1413	451-1Z	VAULT NO. 1	Z	Other	Nuclear Category 3	ISD/IC/LTS
1414	451-4Z	VAULT NO. 4	Z	Other	Nuclear Category 3	ISD/IC/LTS
1669	704-Z	SALTSTONE OPERATIONS BUILDING	Z	Other	Other Industrial	Demolish
1991	901-Z	FIRE WATER PUMP HOUSE	Z	Other	Other Industrial	Demolish
2005	951-Z	ELECT. SUBSTATION	Z	Other	Other Industrial	Demolish
2010	980-Z	DOMESTIC WATER TANK	Z	Other	Other Industrial	Demolish

Table 4.4
RBES Hazard Type Crosswalk for Area "TO GO" Units

Facility Area	Waste Unit Group (Hazard Type)										
	1 Burial Ground Complex	2 Radiological Seepage Basins and Pits	3 Coal Pile Runoff Basins and Ash Basins	4 Inactive Process Sewer Lines	5 Nonradiological Rubble Piles and Pits	6 Nonradiological Seepage Basins	7 Sludge Application Sites	8 Acid/Caustic Basins	9 Miscellaneous Sites	10 Groundwater	11 Integrator Operable Units
A			47		340	101			436		
A			236		48				458		
A			237		49				131		
A					102				359		
A					45				457		
A					46				481		
A									483		
B					528				491		
B					530						
C		240	210	555	475				511	146	
C		242	489		566						
					522						
C					51						
D			68		211				70		
D			69		273				265		
D			238		543				520		
D			272								
D			548								
E	18									103	
E	20										
G	(Refer to Watershed Tables for G Area Units)										
F		280	277	141					43	19	
F		283	276	308					263	575	
F									266		
F									270		
F									376		
F									380		
F									381		
F									399		
F									411		
F									418		
F									431		

Table 4.4
RBES Hazard Type Crosswalk for Area "TO GO" Units

Facility Area	Waste Unit Group (Hazard Type)										
	1 Burial Ground Complex	2 Radiological Seepage Basins and Pits	3 Coal Pile Runoff Basins and Ash Basins	4 Inactive Process Sewer Lines	5 Nonradiological Rubble Piles and Pits	6 Nonradiological Seepage Basins	7 Sludge Application Sites	8 Acid/Caustic Basins	9 Miscellaneous Sites	10 Groundwater	11 Integrator Operable Units
F									432		
F									438		
F									442		
F									490		
F									343		
F									394		
F									414		
F									429		
F									435		
F									485		
H		293	292	554					225	549	
H		294	79	142					261		
H		295							262		
H		298							264		
H		27							274		
H		28							275		
H		29							332		
H									375		
H									383		
H									390		
H									403		
H									412		
H									423		
H									459		
H									260		
H									344		
H									346		
H									374		
H									391		
H									512		
H									398		
H									405		
H									417		
K		301	300		476		89		514	519	
K		302									
K		460									

Table 4.4
RBES Hazard Type Crosswalk for Area "TO GO" Units

Facility Area	Waste Unit Group (Hazard Type)										
	1 Burial Ground Complex	2 Radiological Seepage Basins and Pits	3 Coal Pile Runoff Basins and Ash Basins	4 Inactive Process Sewer Lines	5 Nonradiological Rubble Piles and Pits	6 Nonradiological Seepage Basins	7 Sludge Application Sites	8 Acid/Caustic Basins	9 Miscellaneous Sites	10 Groundwater	11 Integrator Operable Units
L		303	148		99				452	487	
L		305			479				94	503	
					537						
L					98						
M				100					387	23	
M				326						24	
M				465							
M				466							
M				234							
M											
N					57	77			354		
N					58				82		
N					59						
N					244						
N					309						
N					502						
N					311						
N					525						
P		316	313	557	477					143	
P		314	547		108						
P		317									
P		318									
P		319									
P		462									
R		42	329	271	116				230	288	
R		330		556	117				231		
R		119			118				312		
R		120			233				324		
R		121			478				513		
R		122							517		
R		123									
R		124									

Table 4.4
RBES Hazard Type Crosswalk for Area "TO GO" Units

Facility Area	Waste Unit Group (Hazard Type)										
	1 Burial Ground Complex	2 Radiological Seepage Basins and Pits	3 Coal Pile Runoff Basins and Ash Basins	4 Inactive Process Sewer Lines	5 Nonradiological Rubble Piles and Pits	6 Nonradiological Seepage Basins	7 Sludge Application Sites	8 Acid/Caustic Basins	9 Miscellaneous Sites	10 Groundwater	11 Integrator Operable Units
T		104		310					127	25	
T		106		559					467		
T		139							500		

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APPENDIX D

CONCEPTUAL SITE MODELS FOR TYPICAL HAZARDS (SOIL, GROUNDWATER, EM FACILITIES, HLW TANKS

INTRODUCTION

Conceptual Site Models (CSM) for Soil and Groundwater Closure Projects and Deactivation and Decommissioning Projects are intended to provide a visual presentation of SRS hazards (name of waste unit or facility and its location), the current status, risks (current and at the end state), hazard type, and technology to be used.

The following pages provide a text description of this information, followed by a visual model for a generic waste unit or facility. At the end of each section, a complete listing of waste units or facilities is provided with this information. This information is separated in this appendix with Soil and Groundwater Project text, models, and listing first; followed by the same types of information for Deactivation and Decommissioning. Presented in this manner, each section can be considered "stand alone" for each of these two major types of RBES.

SOIL AND GROUNDWATER CLOSURE

Hazards

SRS operations over the past 40 years have produced an accumulation of various amounts and types of waste materials. The accumulated wastes include hazardous, low-level radioactive, high-level radioactive, and nonhazardous, nonradioactive wastes. The waste management practices (past and present) have included the use of seepage basins for liquid wastes, pits and piles for solid wastes, tanks for high level radioactive and mixed wastes, and landfills for low-level radioactive and nonradioactive wastes. The major constituents of SRS wastes include volatile organic compounds (VOCs), heavy metals, radionuclides, and nonradioactive wastes.

Waste materials with almost identical physical and chemical characteristics were disposed of at a majority of these sites. Additionally, most of these sites have similar physical and hydrogeologic features. The sites with almost identical features and containing similar types of wastes can be grouped together for the purpose of evaluating treatment technologies. Consequently, the sites have been divided into eleven groups (or hazard types). The eleven groups (hazard types) are briefly described below:

Group 1: Burial Ground Complex (BGC) occupies approximately 195 acres in the central section of the SRS. The BGC is composed of several contiguous facilities that served as disposal locations for radioactive and hazardous wastes. It is divided into three distinct waste burial locations: the Old Radioactive Waste Burial Ground (ORWBG), Low-Level Radioactive Waste Disposal Facility (LLRWDF) and the Mixed Waste Management Facility (MWMF). Radioactive waste, mixed waste, and waste containing heavy metals and various organic constituents are the primary constituents of concern.

Group 2: Radiological Seepage Basins and Pits are unlined earthen basins that received process wastewater, or pits that contain radiologically contaminated debris. Radioactive waste, mixed waste, and waste containing heavy metals and various organic constituents are the primary constituents of concern.

Group 3: Coal Pile Runoff Basins and Ash Basins includes sites that contain wastes associated with coal and/or ash and contain coal-related radionuclides, heavy metals and other inorganic constituents.

Group 4: Inactive Process Sewer Lines (and Sumps) are underground sewer lines that received various liquid wastes from a facility. Major contaminants include radionuclides, metals and organic constituents.

Group 5: Nonradiological Rubble Piles and Pits contain nonradioactive rubble, including building debris and scrap materials; metals and various organic constituents are the primary concern.

Group 6: Nonradiological Seepage Basins are unlined earthen basins that received nonradiological wastewater and contain primarily organic and/or inorganic hazardous constituents.

Group 7: Sludge Application Sites were used for land applications of municipal/sanitary sewage sludge and contain both organic and inorganic constituents.

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Group 8: Acid/Caustic Basins received waste streams consisting of predominantly spent dilute sulfuric acid and sodium hydroxide (caustic) solutions from the regeneration of ion exchange units in the water treatment facilities that supported reactor operations. Major contaminants include radionuclides, metals and organic constituents.

Group 9: Miscellaneous Sites do not readily fall in the above groupings. Examples include spills, sandblast areas, outfalls, gunsites, etc. Since this is a broad category; wastes containing radiological material, as well as various organic and inorganic constituents may be found at these sites.

Group 10: Groundwater operable units have been separated from the surface units and consider the groundwater media only. Groundwater is depicted in each of the nine groupings indicated above; a separate conceptual site model for groundwater has not been developed.

Group 11: Integrator Operable Units (IOUs) are surface water bodies (e.g., site streams and the Savannah River) and associated wetlands, including the water, sediment, and related biota. SRS has six IOUs that correspond to the respective watersheds. A separate CSM for the IOUs has not been developed.

DESCRIPTION OF TECHNOLOGIES

OUTLINE

A. Remedial Actions for Soil
   - A.1 No Action
   - A.2 Institutional Controls
   - A.3 Cover Systems
   - A.4 Stabilization/Solidification
   - A.5 Bioremediation
   - A.6 Thermal Desorption/Incineration
   - A.7 Excavation and Disposal

B. Remedial Actions for Groundwater
   - B.1 No Action
   - B.2 Institutional Controls and Monitoring
   - B.3 MNA/ACL/MZCL with Groundwater Monitoring
   - B.4 Air Sparging
   - B.5 Soil Vapor Extraction
   - B.6 Enhanced Biodegradation
   - B.7 Air Lift Recirculation
   - B.8 Permeable Reactive Barrier
   - B.9 Ex Situ Technologies (Pump and Treat)
   - B.10 Phytoremediation

C. Remedial Action for Surface Water
   - C.1 No Action
   - C.2 Institutional Controls
   - C.3 In Situ Treatment
   - C.4 Ex Situ Treatment

DESCRIPTION OF TECHNOLOGIES

A. Remedial Actions for Soil

A.1 No Action

No action is not a treatment technology but is a general response action. EPA policy and regulations (40 CFR 300.430(e)(6) require the consideration of a no action alternative to serve as a baseline against which the other treatment technologies/alternatives can be compared.

Per regulatory requirements, the no action alternative provides a baseline for comparing other alternatives and is readily implementable. Because no remedial activities would be implemented with the no action alternative, long-term human health and environmental risks for the site essentially would be the same as those identified in the baseline risk assessment. This means all current and future risks would remain under the alternative. No action does not meet any applicable or relevant and appropriate requirement (ARARs). No action provides no reduction in toxicity, mobility, or volume of the contaminated soil or the groundwater.

A.2 Institutional Controls

Institutional controls are administrative measures taken to minimize the potential for human exposure. The institutional controls limit the public access to the waste site and warn site workers. The control includes deed restrictions and notification to inform the future developers or buyers of previous hazardous waste disposal activities at the site and limit the type of future activities that could be conducted on the property (e.g., restrictions on excavating the site and land use). Additional controls could include erecting a security fence, posting warning signs, and performing 5-year ROD reviews, (if required).

Like no action, institutional controls are not a treatment and provide no control to the migration of the contaminant plume and further degradation of the groundwater. Also, institutional controls do not provide reduction of toxicity, mobility, or

volume of the contaminated soil or the groundwater.

Institutional controls involve no construction activities except for possibly erecting a security fence with warning signs, when required. No additional risks are posed to the community, the workers, or the environment.

A.3 Cover Systems

A.3.1 Native Soil Cover/Low Permeability Cover

This technology/alternative consists of placing a 4-ft layer of SRS clean soil (3-ft layer of compacted soil and 1-ft layer of loose soil to promote growth of a vegetative cover) over the contaminated soil. This layer of clean soil serves as a barrier to help prevent future receptors from becoming exposed to contaminants present within the contaminated soil. The thickness of the clean soil layer is determined by the characteristics of the contaminants present at the waste site and the future land use proposed for the waste unit.

The technology is effective in protecting both human health and the environment. The native soil cover prevents exposure to soil contamination by restricting the use of the land and relies on institutional controls to ensure its overall protectiveness.

A.3.2 Capping (Engineered Cap)

The technology involves construction of a multi-layered cover (cap) over the waste site. Generally, an engineered cap consists of a 2-ft thick low-permeability layer (compacted soil) at the bottom as a foundation layer covered by a ¼-in. thick geosynthetic clay liner and 30-mil flexible membrane liner (FML). The additional layers include a 1-ft thick drainage layer; 1.5-ft thick soil vegetative layer on the top of the drainage layer; and 6-in. thick topsoil layer with a finished surface uniformly sloping on the sides. In between the soil vegetative layer and the drainage layer, the cover system has a thin geotextile filter layer. The filter layer prevents migration of fine particles from the topsoil vegetative layer to the underlain layers and, thereby, inhibits clogging of the drainage layer.

Institutional controls, such as a security fence with warning signs, are implemented and maintained as a component of this system. Depending upon the type and degree of contamination present and risk associated with the waste site, groundwater is monitored periodically.

The engineered cap like the native soil cover is protective of human health and the environment since it provides a physical barrier to prevent direct human exposure to contaminated soil. Capping, like the native soil cover, does not involve any form of treatment that could reduce toxicity, mobility, or volume of the contaminants in contaminated media. However, capping would effectively reduce contaminant mobility by minimizing infiltration and potential for contaminant leaching, thereby reducing inherent risks associated with the soil contamination. Institutional controls such as a security fence with warning signs, and property deed restrictions/notification need to be implemented and are included as a component of this technology.

A.4 Soil Stabilization/Solidification (Grouting)

Grouting is an in situ stabilization/solidification (S/S) technique. Grouting encapsulates the waste in a monolithic solid of high structural integrity. Solidification does not necessarily involve a chemical interaction between the wastes and the solidifying reagents, but may mechanically bind the waste into the monolith. When solidified, contaminant migration is restricted by reducing the surface area exposed to leaching and/or by isolating the waste within an impervious capsule.

Cement-based and special processes utilizing proprietary additives as well as organophilic clays appear to be very promising in terms of binding organic wastes, radioactive wastes, and wastes containing polychlorinated biphenyls (PCBs). The S/S technology reduces mobility of the contaminants by stabilizing the contaminated material in a matrix where it cannot leach. However, this technology does not reduce contaminant toxicity or volume.

A.5 Bioremediation

Biodegration is an important environmental process that causes the breakdown of organic compounds into biomass and harmless byproducts of microbial metabolism such as CO, CH_4, and inorganic salts. An enzyme manufactured by the microbes accomplishes the degradation.

In situ bioremediation is a highly attractive technology for remediation of VOCs because

contaminants are destroyed in place, not simply moved to another location or immobilized, thus decreasing the costs, risks, and time, while increasing efficiency and public and regulatory acceptability.

A.6 Thermal Desorption/Incineration
Thermal desorption/incineration is a treatment method that uses high temperature oxidation under controlled conditions to degrade volatile and semi-volatile organic materials into products that generally include carbon dioxide, water vapor, sulfur dioxide, NOx, other gases, and ash. This treatment generally involves removing the contaminated soil by excavation and passing it through a rotary kiln which vaporizes the volatile and semivolatile organics and sending the vaporization through an incinerator that pyrolytically decomposes the hazardous organics to previously mentioned harmless byproducts. The remediated soil can be returned for backfilling the excavated area.

A.7 Excavation and Disposal
Excavation and removal followed by on-unit (SRS) disposal or treatment are extensively performed in hazardous waste site remediation. There are several potential sites at SRS for disposal of waste materials including the E-Area Vaults (located at the SRS Burial Ground) and the E-Area Low Level Waste Disposal Facility.

Excavation and removal followed by offsite (non-SRS) disposal or treatment are also performed in hazardous waste site remediation. Two disposal facilities located outside SRS are potentially suitable for disposal of contaminated soils from SRS waste sites. The disposal facilities are the DOE-owned Nevada Test Site (NTS) near Mercury, Nevada; and the privately owned Envirocare facility in Clive, Utah.

There are no absolute limitations in the type of waste that can be excavated and removed from a waste site. However, worker health and safety weighs heavily in the decision to excavate certain hazardous wastes such as highly toxic or highly radioactive wastes. Other factors such as mobility of the wastes and cost of transport and disposal are also considered. A common practice at the hazardous waste site is to excavate and remove contaminant "hot spots" and to use in situ remedial action for less contaminated soils.

B. Remedial Actions for Groundwater

B.1 No Action
The No Action alternative for groundwater is the same as for soil.

B.2 Institutional Controls and Monitoring
The institutional controls are administrative measures taken to minimize the potential for human exposure to groundwater by limiting the public access to the waste site and the surrounding area. At SRS, drinking water is provided from controlled sources to prevent the use of groundwater from uncontrolled and monitored sources. These controls are generally the same as discussed in the soil section.

B.3 Monitored Natural Attenuation Alternate Concentration Limits/Mixing Zone Concentration Limits (MNA/ACL/MZCL) With Groundwater Monitoring
Generally, for the remediation of contaminated soils, this alternative is implemented in conjunction with the institutional controls or a remedial action such as a low-permeability cover.

Groundwater monitoring as part of a passive treatment, such as monitored natural attenuation (MNA), is used to support an alternate concentration limits/mixing zone concentration limits (ACLs/MZCLs) demonstration. MNA allows concentrations of contaminants in the groundwater (e.g., VOCs) to diminish by natural treatment process such as dispersion, volatilization, adsorption, and biodegradation. The process of natural attenuation is periodically monitored over time by analytical sampling of the plume from intermediate and compliance boundary wells. If contamination were to be detected above maximum contaminant limits (MCLs), further groundwater response actions would become necessary. Normally, the existing groundwater wells are used for sampling purposes.

The groundwater monitoring, or a passive in situ treatment, is applicable for contaminants such as VOCs that can be reduced simply by natural attenuation. Groundwater monitoring is also applicable for establishing and monitoring ACLs/MZCLs. However, this alternative does not remove, treat, or otherwise lesson the toxicity, mobility, or effective volume of the contaminated groundwater. Institutional controls are also

required to restrict future land use until RAOs are achieved.

B.4 Air Sparging

Air sparging removes VOCs from a contaminated aquifer by injecting compressed air at controlled pressures and volumes into the water table. The compressed air facilitates the removal of volatile organics from the groundwater through the physical process of volatilization. VOCs are transported through the mechanism of air channels or bubbles upward into the vadose zone.

B.5 Soil Vapor Extraction

Soil vapor extraction (SVE) removes organic chemicals (e.g., VOCs and SVOCs) from soil by withdrawing the gaseous phase chemical in the soil gas. SVE is an effective method for treating subsurface soils contaminated with VOCs and SVOCs. Monitor wells are installed through the contaminated vadose zone soil immediately above the water table, and a vacuum is applied to the wells. Because of the pressure gradient created by the vacuum, volatile chemicals in the soil diffuse through the soil pore space to the wells.

B.6 Enhanced Biodegradation

The technology involves setting up a series of injection wells in the saturated zone, which would bubble air through the groundwater. These wells are used to inject air, methane, tributyl phosphate, or other nutrients, if needed, to enhance microbial activity degrading VOCs. The extraction wells would remove the resulting vapor stream and pass it through a carbon adsorption bed to ensure that the offgas met the limits of the air permit obtained for the remedial action.

This treatment process is very successful in removing the VOCs from the groundwater. If employed in combination with soil vapor extraction and carbon adsorption for offgas treatment, it can provide long-term/permanent treatment by reducing the toxicity and volume of VOCs.

B.7 Air Lift Recirculation

In-well vapor stripping is a technology for the treatment of groundwater contaminated with VOCs. The technology uses air injected into a groundwater well to strip contaminants from the water and to induce an upward flow of groundwater within the well. The treated groundwater that has been lifted upward in the well is then discharged directly back into the ground without ever leaving the well.

B.8 Permeable Reactive Barrier

The slurry cut-off walls are the most common subsurface barriers because they are a relatively inexpensive means of vastly redirecting groundwater flow in the consolidated earth materials. This technology can also be used for containing soil-borne contaminants since this technology decreases soil contaminant migration.

B.9 Ex Situ Technologies (Pump and Treat)

Ex situ treatment of contaminated groundwater involves the following steps: (1) groundwater pumping, (2) treatment of groundwater using various unit treatment processes, and (3) reinjection of treated water.

Because the contaminated groundwater is so diverse in volume, type and concentrations of contaminants, no single unit treatment process will be sufficient to treat the groundwater. Therefore, the unit treatment processes are frequently used in combination and with pretreatments if there is a prerequisite to effective use of each treatment process.

The unit treatment processes generally used in the treatment of groundwater include air stripping, activated carbon adsorption, ion exchange, reverse osmosis, precipitation/flocculation.

B.9.1 Extraction and Air Stripping

Air stripping is a mass transfer process in which volatile contaminants in water are transferred to gas. During this process, VOCs in groundwater are converted to vapor phase by being exposed to a large surface area in a column. The offgases are treated separately before they are released to the atmosphere.

Air stripping is used to remove volatile organics from aqueous waste streams. This includes such components as 1,1,1-trichloroethane, trichloroethylene, chlorobenzene, vinyl chloride, and dichloroethylene.

Air stripping is often only partially effective and must be followed by another process such as biological treatment of carbon adsorption. Combined use of air stripping and activated carbon can be an effective way of removing contaminants from groundwater. The air stripper

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removes the more volatile compounds not removed by activated carbon and reduces the organic load on the carbon, thus reducing the frequency and expense of carbon regeneration.

In recent years, air stripping has gained increasing use for the effective removal of VOCs from groundwater. It has also been used most effectively for treatment of low concentrations of VOCs as a pretreatment step prior to activated carbon.

B.9.2 Activated Carbon Adsorption
The process of adsorption onto activated carbon involves contacting a waste stream with the carbon, usually by flow, through a series of packed bed reactors. The activated carbon selectively adsorbs hazardous constituents by a surface attraction phenomenon in which organic molecules are attracted to the internal pores of the carbon granules.

Activated carbon is a well-developed technology widely used in the treatment of hazardous waste streams. It is especially well suited for removal of mixed organics from aqueous wastes.

Carbon adsorption is frequently used following biological treatment and/or granular media filtration in order to reduce the organic and suspended solids load on the carbon column or to remove refractory organics that cannot be easily biodegraded. Air stripping may also be applied prior to carbon adsorption in order to remove a portion of the volatile contaminants, thereby, reducing the organic load to the carbon column.

B.9.3 Ion Exchange
Ion exchange is a process whereby the toxic ions are removed from the aqueous phase by being exchanged with relatively harmless ions held by the ion exchange materials

Ion exchange is used to remove a broad range of ionic species from water including all metallic elements when present as soluble species, either anionic or cationic, inorganic anions such as halides, sulfates, nitrates, cyanides, etc., organic acids such as carboxylics, sulfonics, and some phenols, at a pH sufficiently alkaline to give the ions, and organic amines when the solution acidity is sufficiently acid to form the corresponding acid salt. Sorptive resins can remove a wide range of polar and nonpolar organics.

Ion exchange is a well-established technology for removal of heavy metals and hazardous anions from dilute solutions. However, use of sorptive resins is relatively new and reliability under various conditions is not as well known.

B.9.4 Reverse Osmosis (RO)
Osmosis is a phenomenon of spontaneous flow of solvent (e.g., water) from a dilute solution through a semi-permeable membrane (impurities or solute permeates at a much slower rate) to a more concentrated solution. Reverse osmosis (RO) is the application of sufficient pressure to the concentrated solution to overcome the osmotic pressure and force the net flow of water through the membrane toward the dilute phase. This allows the concentration of solute (impurities) to be built up in a circulating system on one side of the membrane while relatively pure water is transported through the membrane. Ions and small molecules in true solution can be separated from water by this technique.

RO is used to reduce the concentrations of dissolved solids, both organic and inorganic. In treatment of hazardous waste-contaminated streams, use of RO would be primarily limited to polishing low flow streams containing highly toxic contaminants. In general, good removal can be expected for high molecular weight organics and charged anions and cations. Multivalent ions are treated more effectively than are univalent ions. Recent advances in membrane technology have made it possible to remove such low molecular weight organics as alcohols, ketones, amines, and aldehydes.

RO is an effective treatment technology for removal of dissolved solids presuming appropriate pretreatment has been performed for suspended solids removal, pH adjustments, and removal of oxidizers, oil, and grease. Because the process is so susceptible to fouling and plugging, on-line monitors may be required to monitor pH, suspended solids, etc., on a continuous basis.

B.9.5 Precipitation/Flocculation
Precipitation is a physiochemical process whereby some or all of a substance in solution is transformed into a solid phase. It is based on alteration of the chemical equilibrium

relationships affecting the solubility of inorganic species over a certain pH range. Removal of metals as hydroxides or sulfides is the most common precipitation application in wastewater treatment. Precipitation is applicable to the removal of most metals from wastewater including zinc, cadmium, chromium, copper, fluoride, lead, manganese, and mercury. Also, certain anionic species can be removed by precipitation, such as phosphate, sulfate, and fluoride. Precipitation is useful for most aqueous hazardous waste streams. However, limitations may be imposed by certain physical or chemical characteristic. In some cases, organic compounds may form organometallic complexes with metals, which could inhibit precipitation. Cyanide and other ions in the wastewater may also complex with metals, making treatment by precipitation less efficient.

Flocculation is used to describe the process by which small, unsettleable particles suspended in a liquid medium are made to agglomerate into larger, more settleable particles. The mechanisms by which flocculation occurs involve surface chemistry and particle charge phenomena. Flocculation is applicable to any aqueous waste stream where particles must be agglomerated into larger more settleable particles prior to sedimentation or other types of treatment. There is no concentration limit for precipitation or flocculation. Highly viscous waste streams will inhibit settling of solids.

B.10 Phytoremediation
This technology reduces the amount of contaminated water by performing a series or relatively simple, passive, surface water management actions. An irrigation system is used to pump water from a small pond to the adjacent natural forest. In this process, the trees and other plants take up tritium-contaminated water through their root system and release trace amounts of tritium to the atmosphere through their foliage, a natural process called transpiration.

C. Remedial Actions for Surface Water

C.1 No Action
The no action alternative for surface water is the same as for soil/groundwater.

C.2 Institutional Controls and Monitoring
The institutional controls are administrative measures taken to minimize the potential for human exposure to surface water by limiting the public access to the waste site and the surrounding area. At SRS, drinking water is provided from controlled sources to prevent the use of surface water from uncontrolled and monitored sources. These controls are generally the same as discussed in the soil/groundwater section.

C.3 In Situ Treatment
Examples of potential in situ treatment technologies for surface water include aeration, or zero-valent iron technology.

C.4 Ex Situ Treatment
Ex situ treatment of contaminated surface water involves removal of the contaminated water and treatment at an appropriate facility.

Conceptual Site Models

The SRS typical CSMs are designed to communicate the hazard types and end state options. The CSM and associated Soil and Groundwater inactive waste unit database communicate the following::

- Hazard type and location (waste units are grouped by hazard types and location by watersheds)
- Current status (complete, in remediation, etc.)
- Risk (current and RBES) (used internal risk ranking methodology to distinguish relative risk)
- Institutional Controls in Place (If complete, “yes” or blank; if not complete, blank.)

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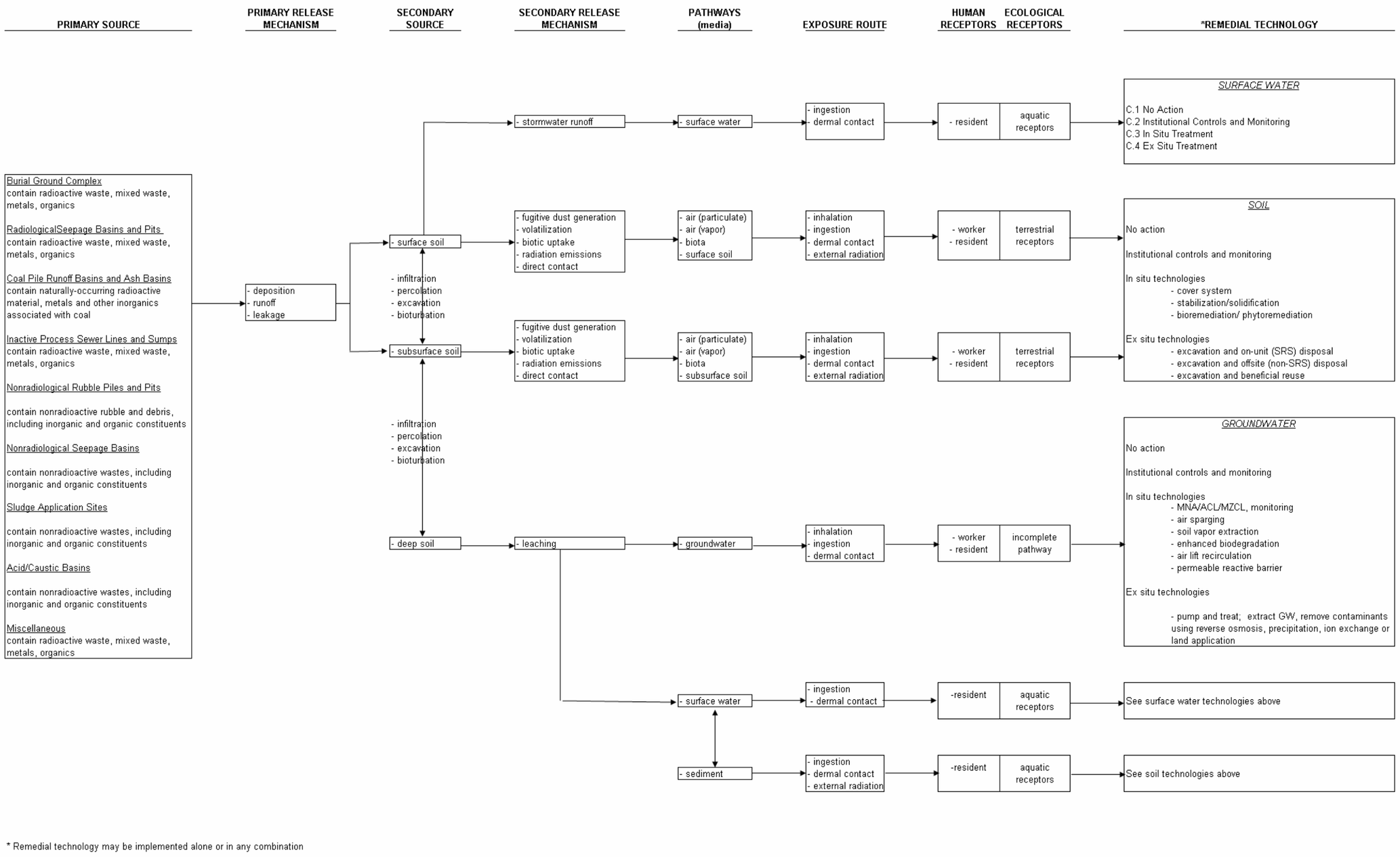
GENERIC CONCEPTUAL SITE MODEL



* Remedial technology may be implemented alone or in any combination

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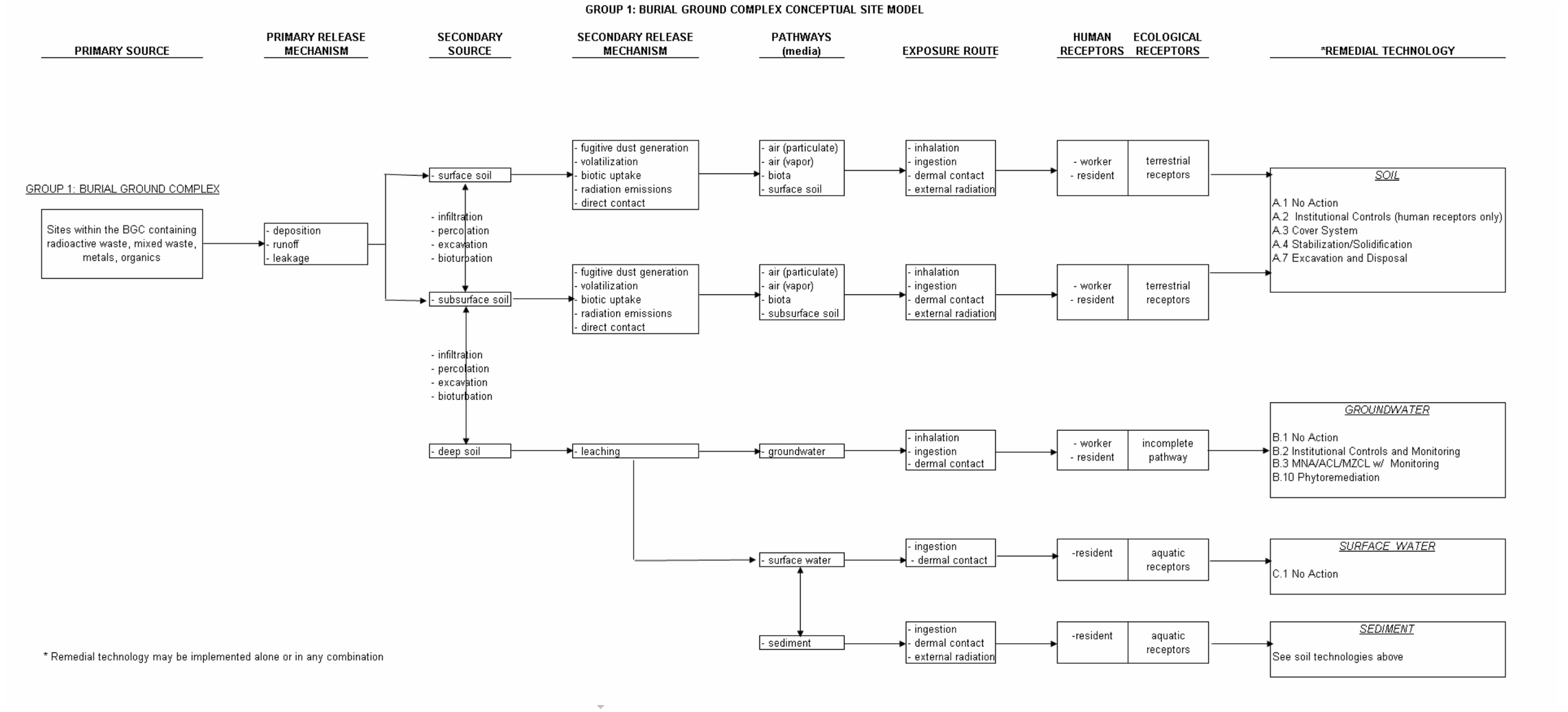
GROUP 1: BURIAL GROUND COMPLEX CONCEPTUAL SITE MODEL
PRIMARY SOURCE
PRIMARY RELEASE MECHANISM
SECONDARY SOURCE
SECONDARY RELEASE MECHANISM
PATHWAYS (media)
EXPOSURE ROUTE
HUMAN RECEPTORS
ECOLOGICAL RECEPTORS
*REMEDIAL TECHNOLOGY
GROUP 1: BURIAL GROUND COMPLEX
Sites within the BGC containing radioactive waste, mixed waste, metals, organics
- deposition
- runoff
- leakage
- surface soil
- subsurface soil
- infiltration
- percolation
- excavation
- bioturbation
- fugitive dust generation
- volatilization
- biotic uptake
- radiation emissions
- direct contact
- air (particulate)
- air (vapor)
- biota
- surface soil
- subsurface soil
- inhalation
- ingestion
- dermal contact
- external radiation
- worker
- resident
terrestrial receptors
SOIL
A.1 No Action
A.2 Institutional Controls (human receptors only)
A.3 Cover System
A.4 Stabilization/Solidification
A.7 Excavation and Disposal
- deep soil
- leaching
- groundwater
incomplete pathway
GROUNDWATER
B.1 No Action
B.2 Institutional Controls and Monitoring
B.3 MNA/ACL/MZCL w/ Monitoring
B.10 Phytoremediation
- surface water
-resident
aquatic receptors
SURFACE WATER
C.1 No Action
- sediment
- external radiation
SEDIMENT
See soil technologies above
* Remedial technology may be implemented alone or in any combination

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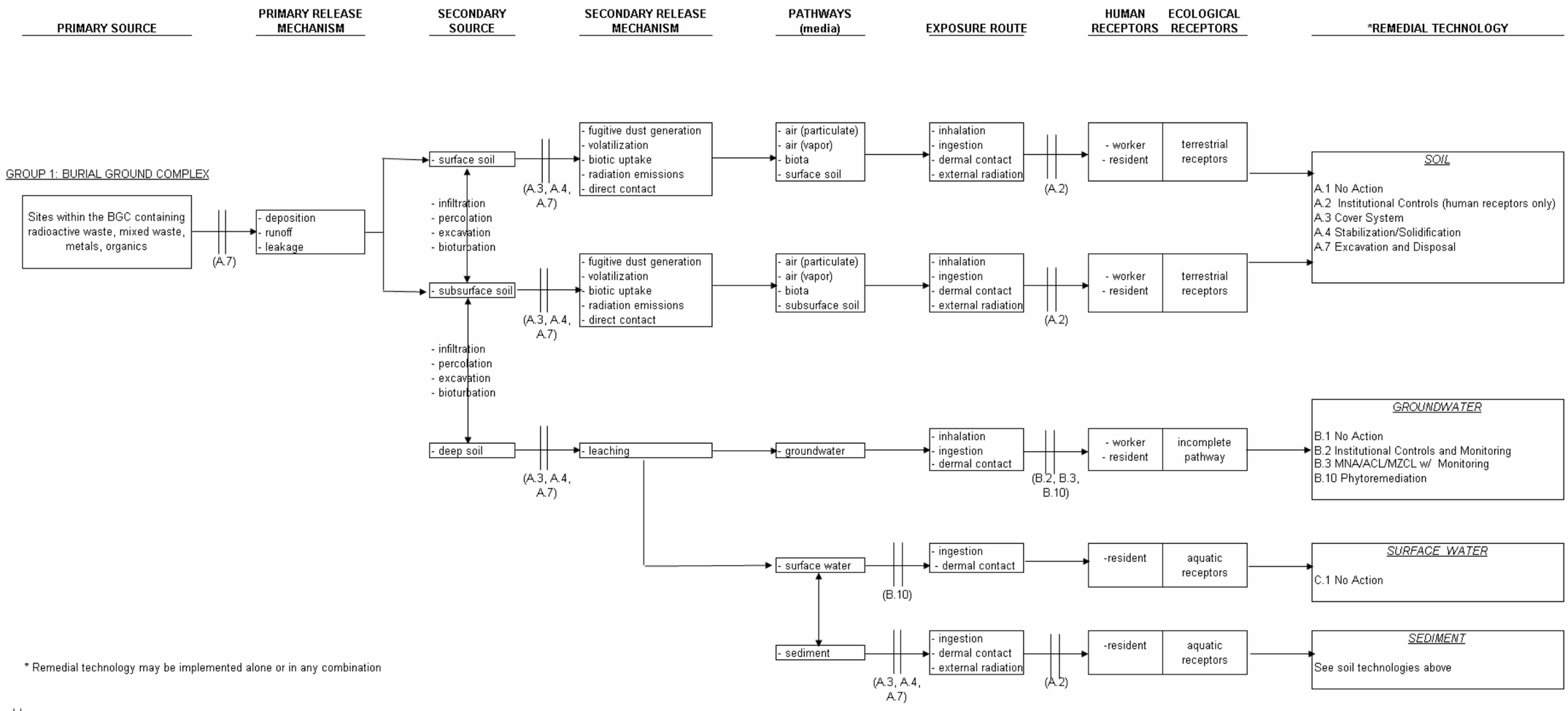
GROUP 1: BURIAL GROUND COMPLEX CONCEPTUAL SITE MODEL- RBES



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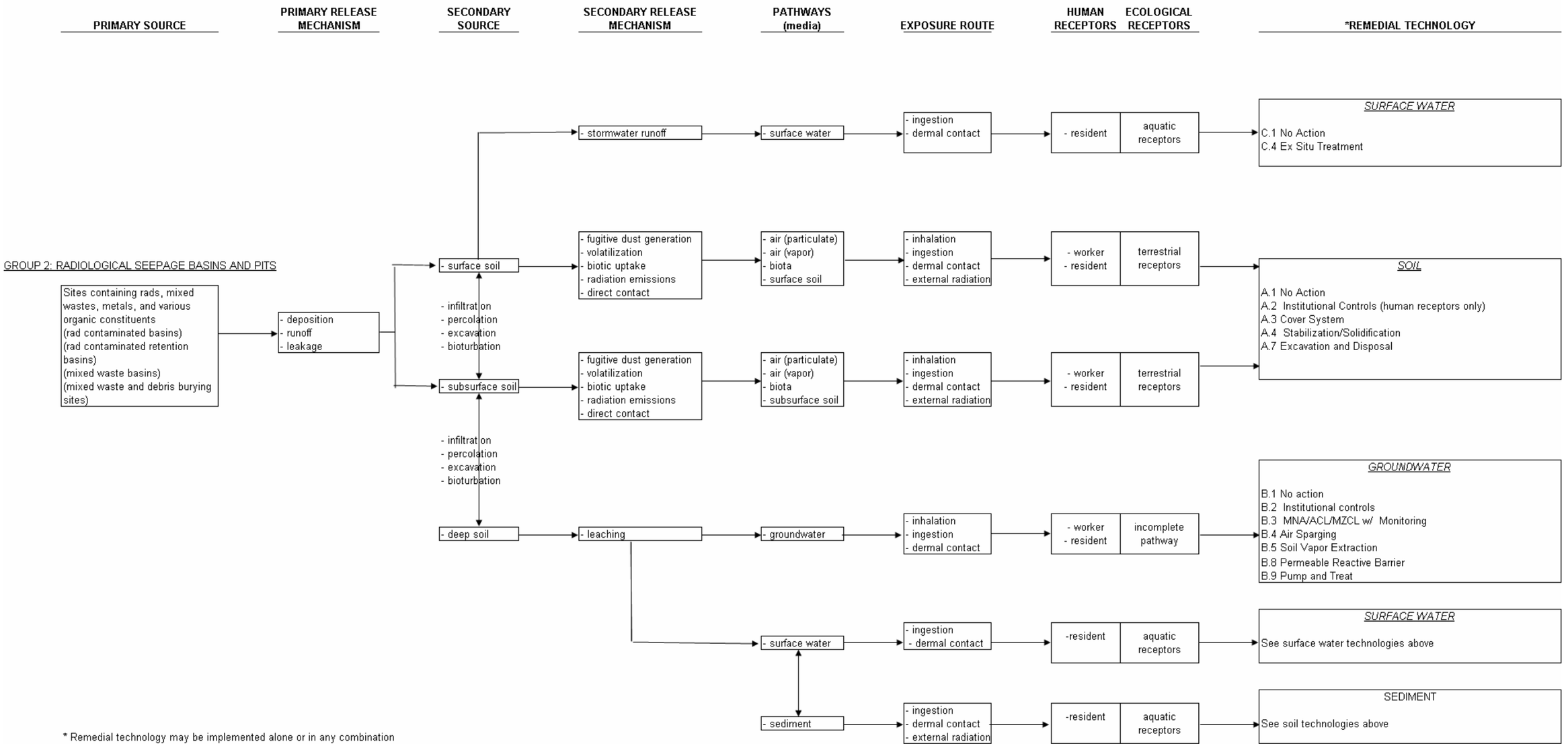
GROUP 2: RADIOLOGICAL SEEPAGE BASINS AND PITS CONCEPTUAL SITE MODEL



* Remedial technology may be implemented alone or in any combination

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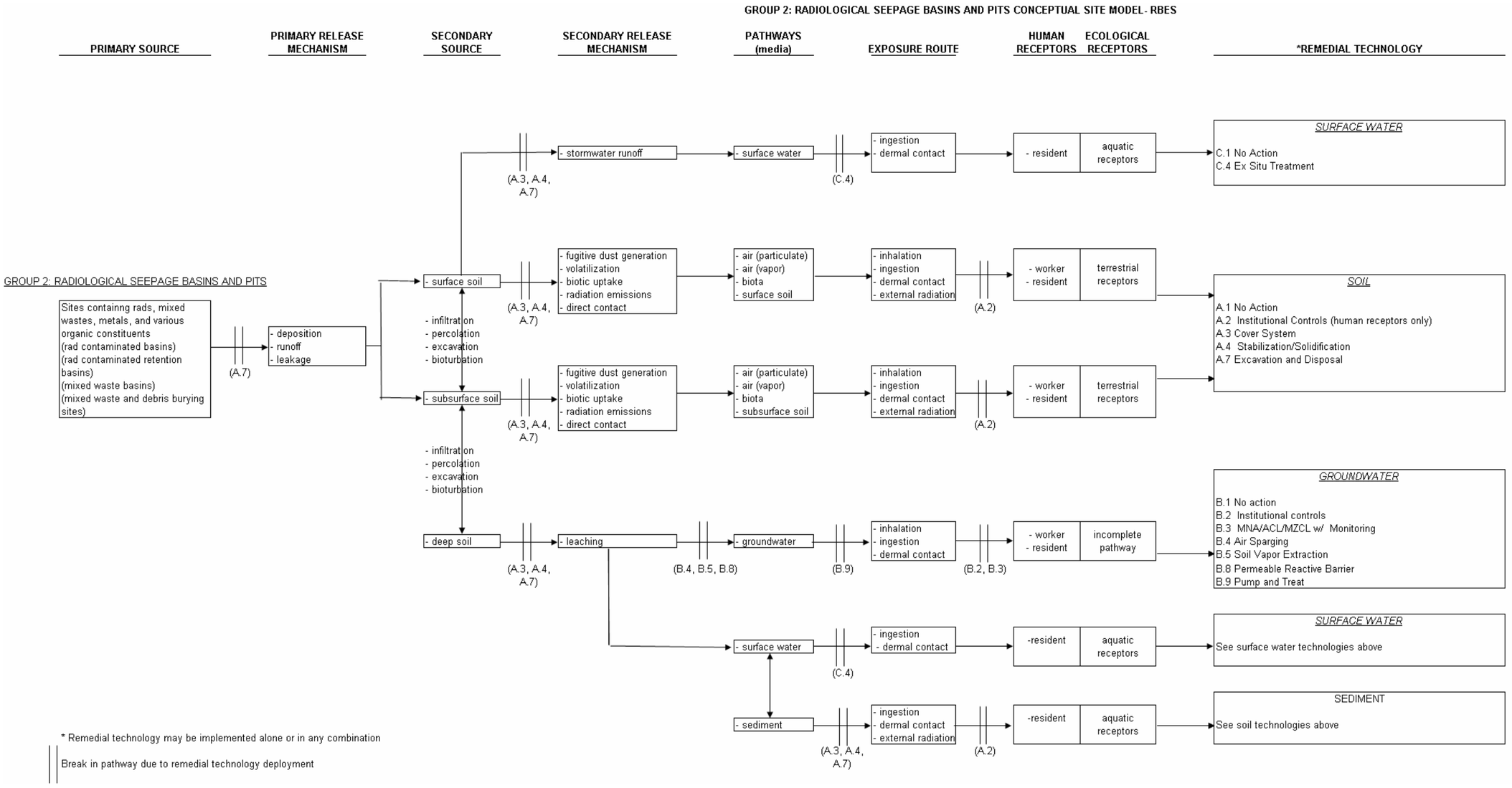
GROUP 2: RADIOLOGICAL SEEPAGE BASINS AND PITS CONCEPTUAL SITE MODEL- RBES
PRIMARY SOURCE
PRIMARY RELEASE MECHANISM
SECONDARY SOURCE
SECONDARY RELEASE MECHANISM
PATHWAYS (media)
EXPOSURE ROUTE
HUMAN RECEPTORS
ECOLOGICAL RECEPTORS
*REMEDIAL TECHNOLOGY
GROUP 2: RADIOLOGICAL SEEPAGE BASINS AND PITS
Sites containng rads, mixed wastes, metals, and various organic constituents
(rad contaminated basins)
(rad contaminated retention basins)
(mixed waste basins)
(mixed waste and debris burying sites)
(A.7)
- deposition
- runoff
- leakage
- surface soil
- subsurface soil
- infiltration
- percolation
- excavation
- bioturbation
- deep soil
(A.3, A.4, A.7)
- stormwater runoff
- surface water
(C.4)
- ingestion
- dermal contact
- resident
aquatic receptors
SURFACE WATER
C.1 No Action
C.4 Ex Situ Treatment
- fugitive dust generation
- volatilization
- biotic uptake
- radiation emissions
- direct contact
- air (particulate)
- air (vapor)
- biota
- surface soil
- subsurface soil
- inhalation
- ingestion
- dermal contact
- external radiation
(A.2)
- worker
- resident
terrestrial receptors
SOIL
A.1 No Action
A.2 Institutional Controls (human receptors only)
A.3 Cover System
A.4 Stabilization/Solidification
A.7 Excavation and Disposal
- leaching
(B.4, B.5, B.8)
- groundwater
(B.9)
(B.2, B.3)
incomplete pathway
GROUNDWATER
B.1 No action
B.2 Institutional controls
B.3 MNA/ACL/MZCL w/ Monitoring
B.4 Air Sparging
B.5 Soil Vapor Extraction
B.8 Permeable Reactive Barrier
B.9 Pump and Treat
-resident
See surface water technologies above
- sediment
(A.3, A.4, A.7)
SEDIMENT
See soil technologies above
* Remedial technology may be implemented alone or in any combination
Break in pathway due to remedial technology deployment

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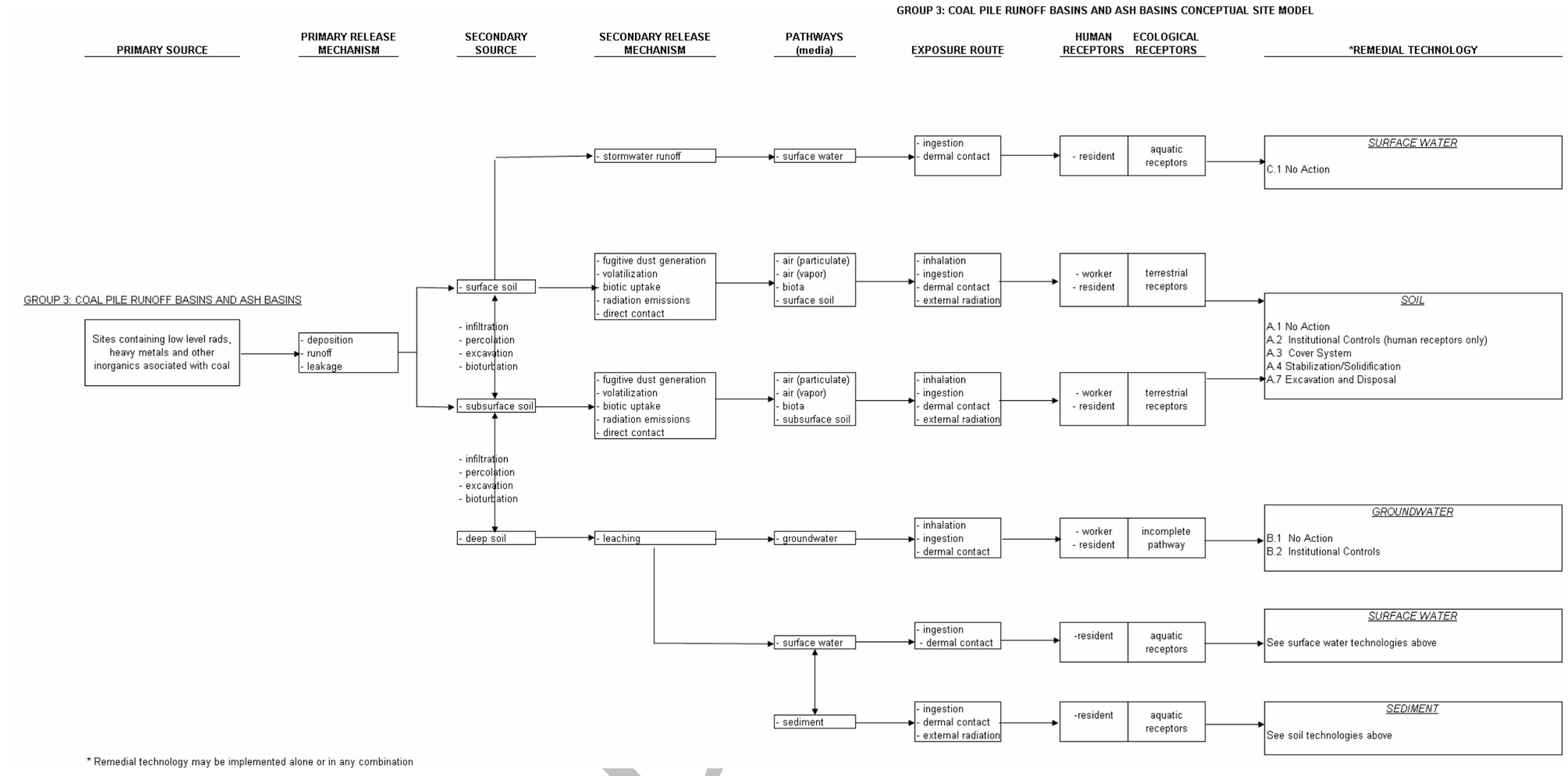

* Remedial technology may be implemented alone or in any combination

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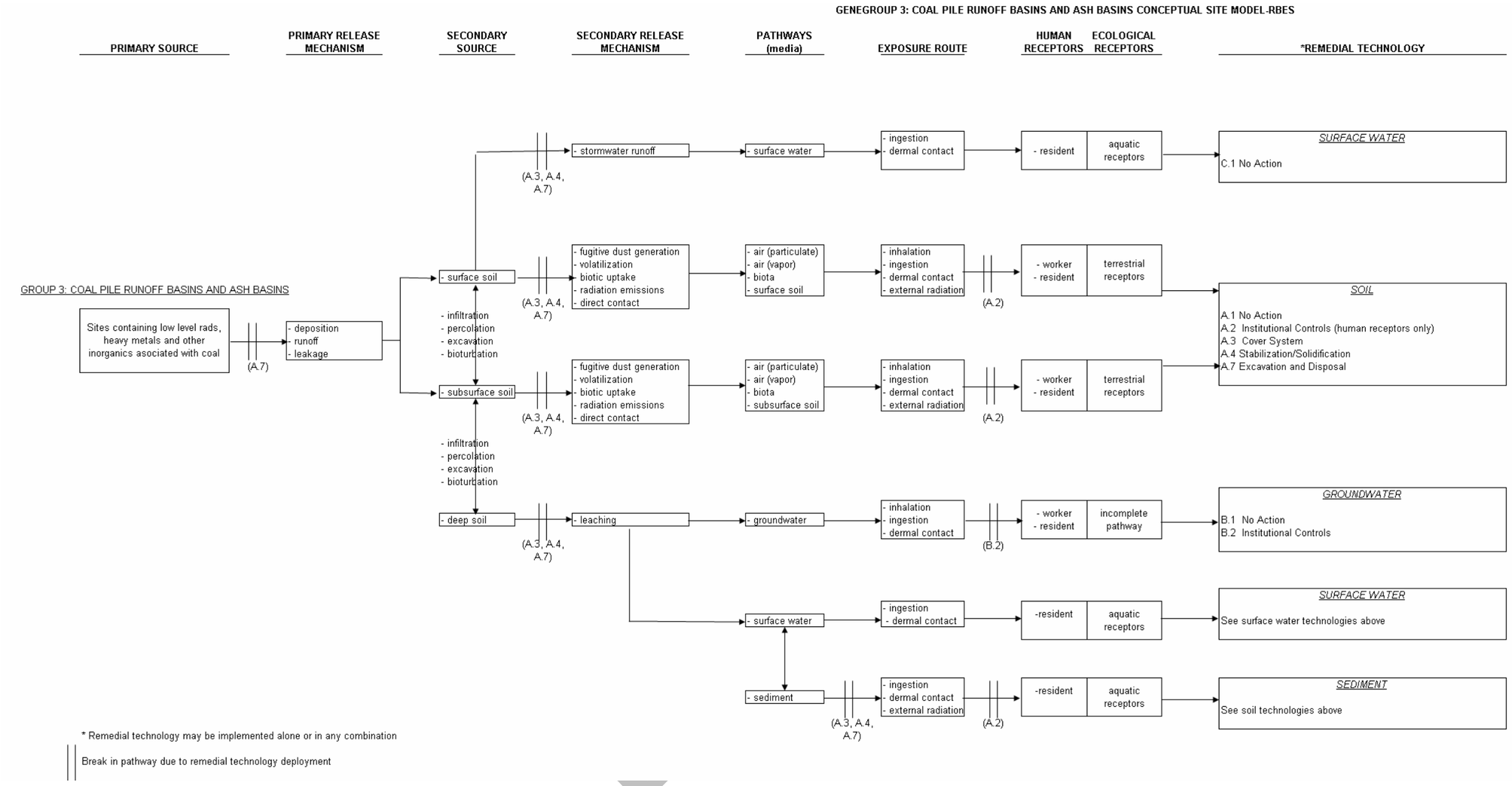
GENEGROUP 3: COAL PILE RUNOFF BASINS AND ASH BASINS CONCEPTUAL SITE MODEL-RBES
PRIMARY SOURCE
PRIMARY RELEASE MECHANISM
SECONDARY SOURCE
SECONDARY RELEASE MECHANISM
PATHWAYS (media)
EXPOSURE ROUTE
HUMAN RECEPTORS
ECOLOGICAL RECEPTORS
*REMEDIAL TECHNOLOGY
GROUP 3: COAL PILE RUNOFF BASINS AND ASH BASINS
Sites containing low level rads, heavy metals and other inorganics asociated with coal
(A.7)
- deposition
- runoff
- leakage
- surface soil
- subsurface soil
- infiltration
- percolation
- excavation
- bioturbation
- deep soil
- stormwater runoff
- fugitive dust generation
- volatilization
- biotic uptake
- radiation emissions
- direct contact
- leaching
(A.3, A.4, A.7)
- surface water
- air (particulate)
- air (vapor)
- biota
- groundwater
- sediment
- ingestion
- dermal contact
- inhalation
- external radiation
(A.2)
(B.2)
- resident
- worker
aquatic receptors
terrestrial receptors
incomplete pathway
SURFACE WATER
C.1 No Action
SOIL
A.1 No Action
A.2 Institutional Controls (human receptors only)
A.3 Cover System
A.4 Stabilization/Solidification
A.7 Excavation and Disposal
GROUNDWATER
B.1 No Action
B.2 Institutional Controls
See surface water technologies above
SEDIMENT
See soil technologies above
* Remedial technology may be implemented alone or in any combination
Break in pathway due to remedial technology deployment

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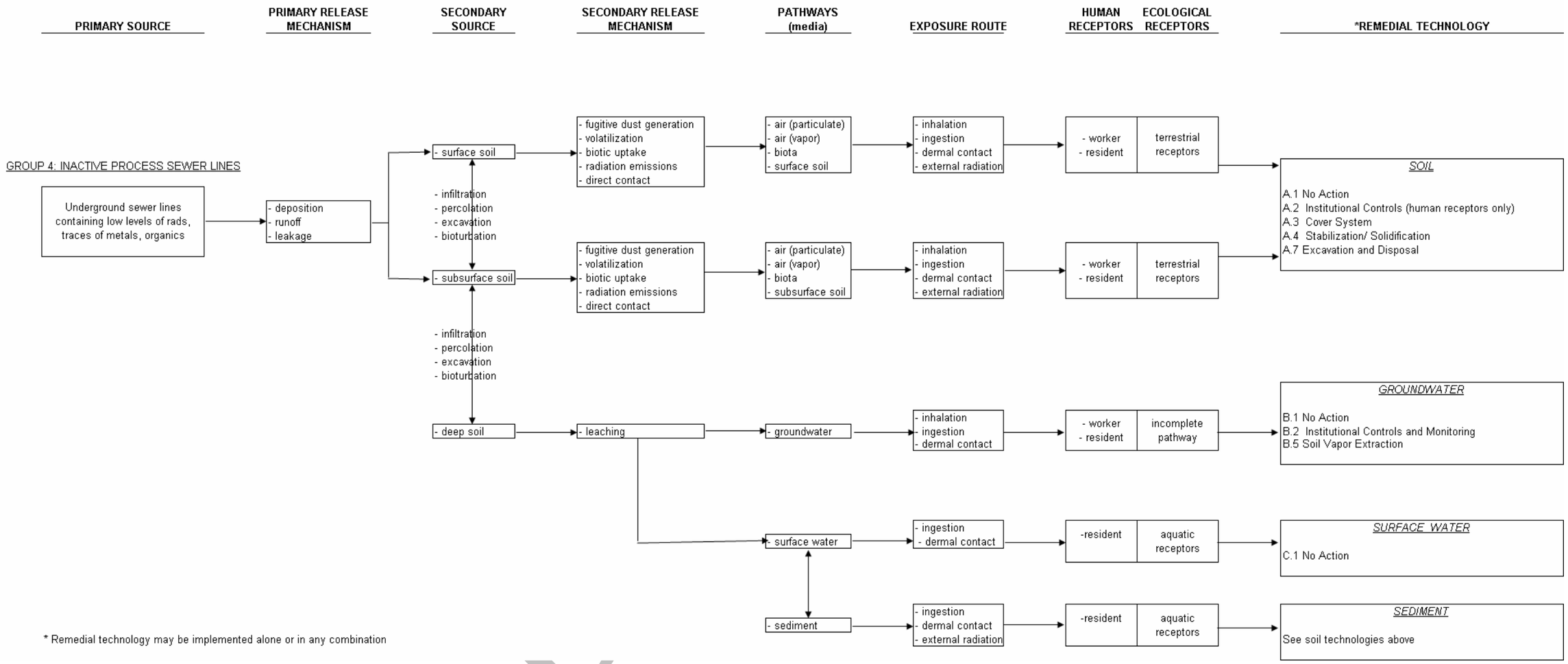
GROUP 4: INACTIVE PROCESS SEWER LINES CONCEPTUAL SITE MODEL



* Remedial technology may be implemented alone or in any combination

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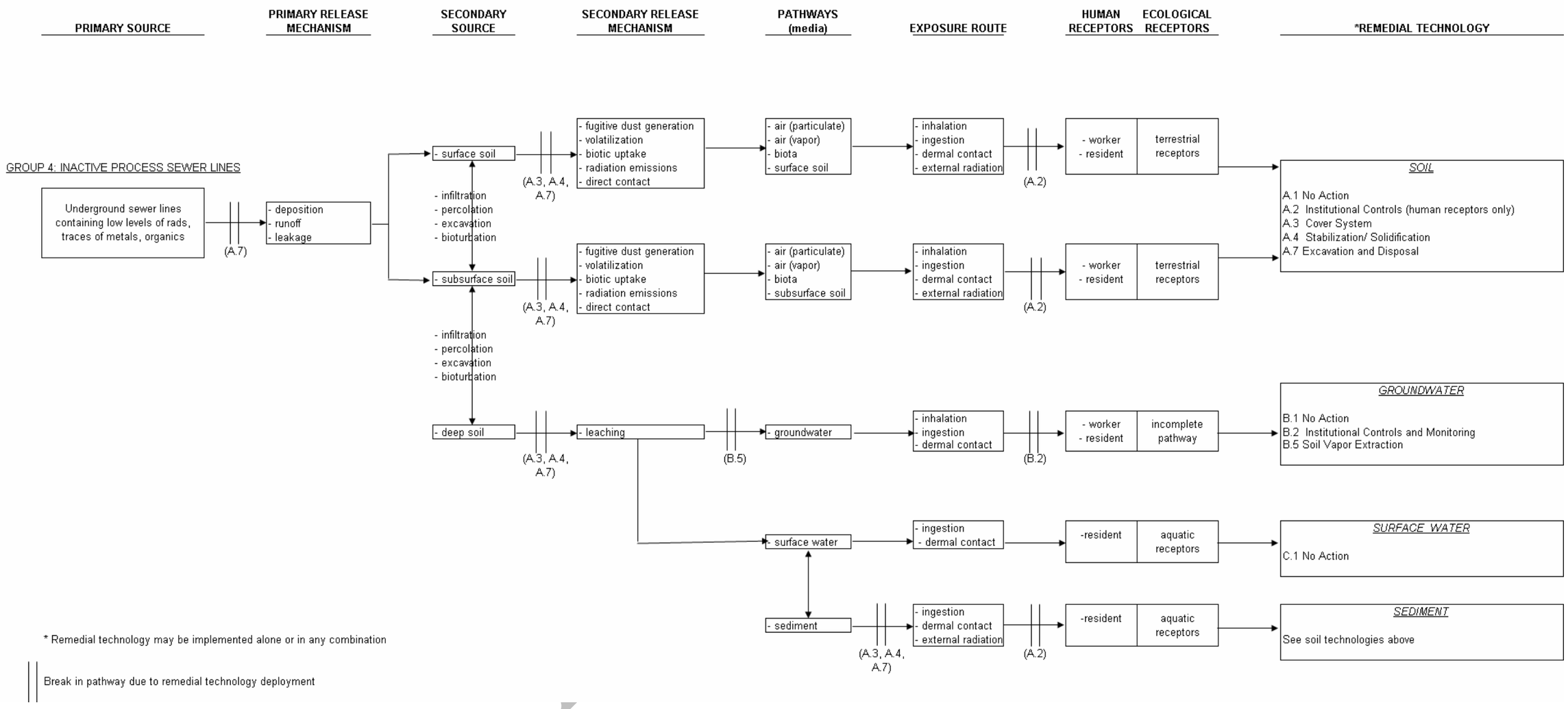
GROUP 4: INACTIVE PROCESS SEWER LINES CONCEPTUAL SITE MODEL-RBES



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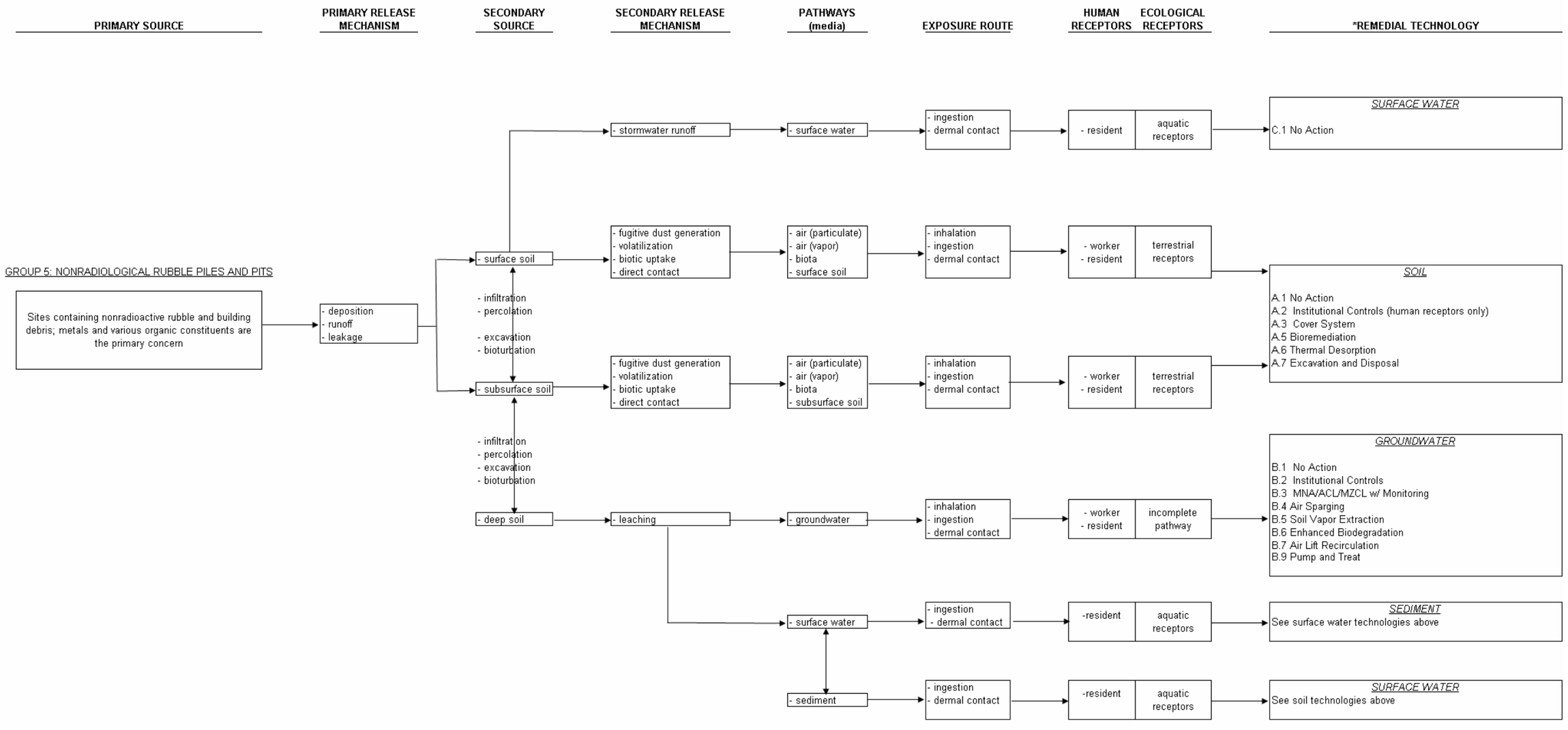
GROUP 5: NONRADIOLOGICAL RUBBLE PILES AND PITS CONCEPTUAL SITE MODEL



* Remedial technology may be implemented alone or in any combination

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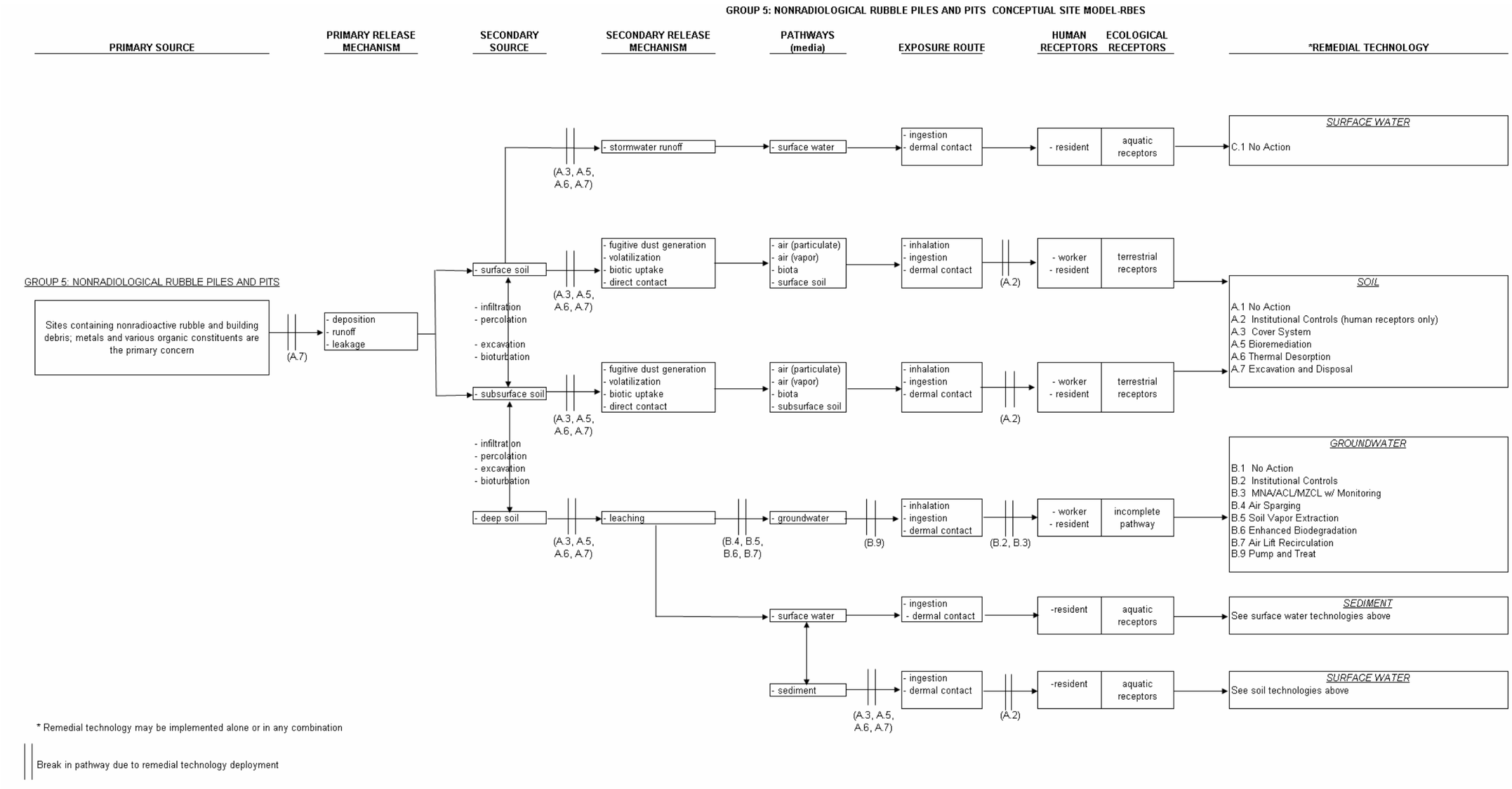
GROUP 5: NONRADIOLOGICAL RUBBLE PILES AND PITS CONCEPTUAL SITE MODEL-RBES
PRIMARY SOURCE
PRIMARY RELEASE MECHANISM
SECONDARY SOURCE
SECONDARY RELEASE MECHANISM
PATHWAYS (media)
EXPOSURE ROUTE
HUMAN RECEPTORS
ECOLOGICAL RECEPTORS
*REMEDIAL TECHNOLOGY
GROUP 5: NONRADIOLOGICAL RUBBLE PILES AND PITS
Sites containing nonradioactive rubble and building debris; metals and various organic constituents are the primary concern
(A.7)
- deposition
- runoff
- leakage
- surface soil
- subsurface soil
- deep soil
- infiltration
- percolation
- excavation
- bioturbation
(A.3, A.5, A.6, A.7)
- stormwater runoff
- fugitive dust generation
- volatilization
- biotic uptake
- direct contact
- leaching
(B.4, B.5, B.6, B.7)
- surface water
- air (particulate)
- air (vapor)
- biota
- groundwater
- sediment
(B.9)
- ingestion
- dermal contact
- inhalation
(A.2)
(B.2, B.3)
- resident
- worker
aquatic receptors
terrestrial receptors
incomplete pathway
-resident
SURFACE WATER
C.1 No Action
SOIL
A.1 No Action
A.2 Institutional Controls (human receptors only)
A.3 Cover System
A.5 Bioremediation
A.6 Thermal Desorption
A.7 Excavation and Disposal
GROUNDWATER
B.1 No Action
B.2 Institutional Controls
B.3 MNA/ACL/MZCL w/ Monitoring
B.4 Air Sparging
B.5 Soil Vapor Extraction
B.6 Enhanced Biodegradation
B.7 Air Lift Recirculation
B.9 Pump and Treat
SEDIMENT
See surface water technologies above
SURFACE WATER
See soil technologies above
* Remedial technology may be implemented alone or in any combination
Break in pathway due to remedial technology deployment

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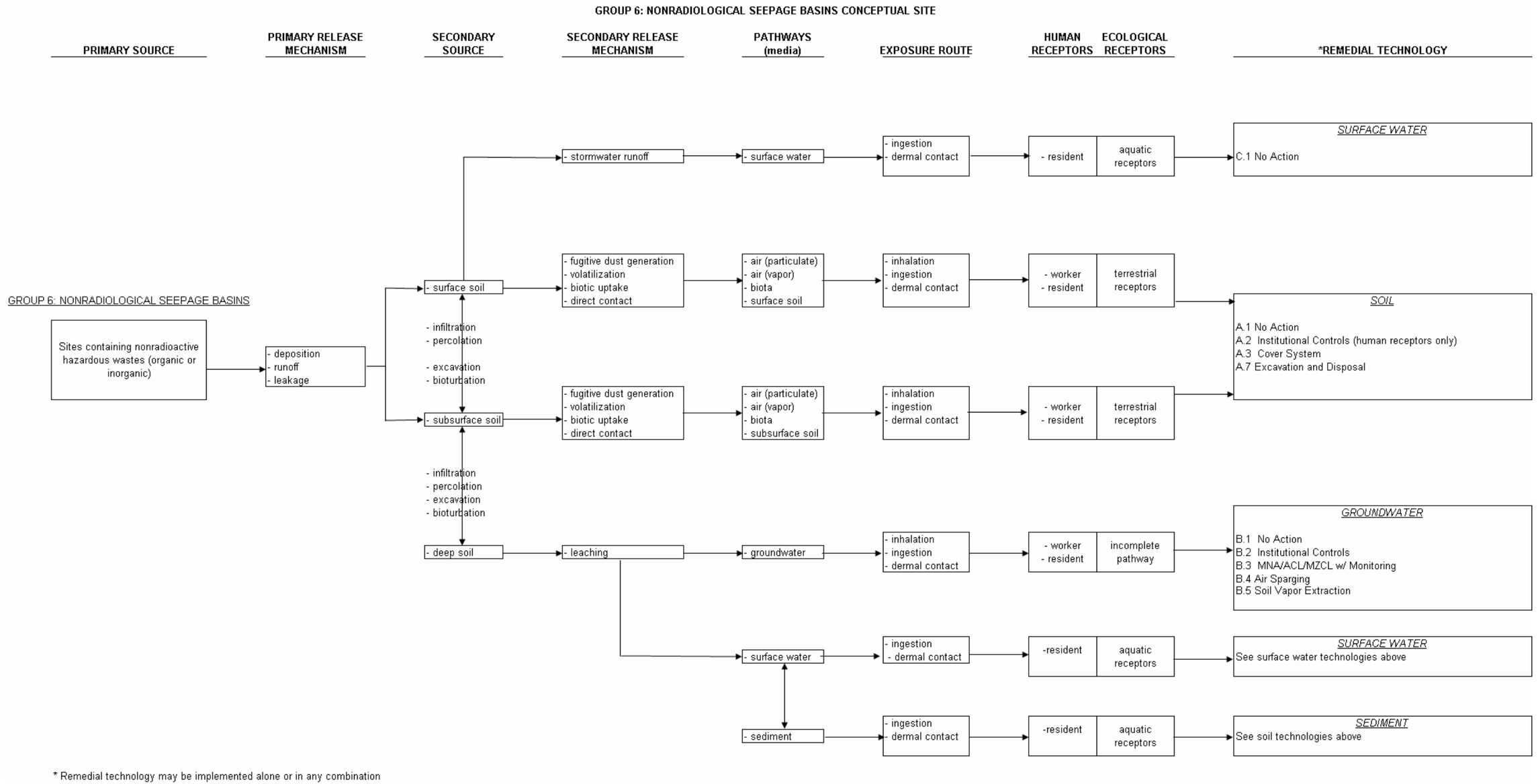
GROUP 6: NONRADIOLOGICAL SEEPAGE BASINS CONCEPTUAL SITE
PRIMARY SOURCE
PRIMARY RELEASE MECHANISM
SECONDARY SOURCE
SECONDARY RELEASE MECHANISM
PATHWAYS (media)
EXPOSURE ROUTE
HUMAN RECEPTORS
ECOLOGICAL RECEPTORS
*REMEDIAL TECHNOLOGY
GROUP 6: NONRADIOLOGICAL SEEPAGE BASINS
Sites containing nonradioactive hazardous wastes (organic or inorganic)
- deposition
- runoff
- leakage
- surface soil
- subsurface soil
- deep soil
- infiltration
- percolation
- excavation
- bioturbation
- infiltration
- percolation
- excavation
- bioturbation
- stormwater runoff
- surface water
- ingestion
- dermal contact
- resident
aquatic receptors
SURFACE WATER
C.1 No Action
- fugitive dust generation
- volatilization
- biotic uptake
- direct contact
- air (particulate)
- air (vapor)
- biota
- surface soil
- inhalation
- ingestion
- dermal contact
- worker
- resident
terrestrial receptors
SOIL
A.1 No Action
A.2 Institutional Controls (human receptors only)
A.3 Cover System
A.7 Excavation and Disposal
- fugitive dust generation
- volatilization
- biotic uptake
- direct contact
- air (particulate)
- air (vapor)
- biota
- subsurface soil
- inhalation
- ingestion
- dermal contact
- worker
- resident
terrestrial receptors
- leaching
- groundwater
- inhalation
- ingestion
- dermal contact
- worker
- resident
incomplete pathway
GROUNDWATER
B.1 No Action
B.2 Institutional Controls
B.3 MNA/ACL/MZCL w/ Monitoring
B.4 Air Sparging
B.5 Soil Vapor Extraction
- surface water
- ingestion
- dermal contact
-resident
aquatic receptors
SURFACE WATER
See surface water technologies above
- sediment
- ingestion
- dermal contact
-resident
aquatic receptors
SEDIMENT
See soil technologies above
* Remedial technology may be implemented alone or in any combination

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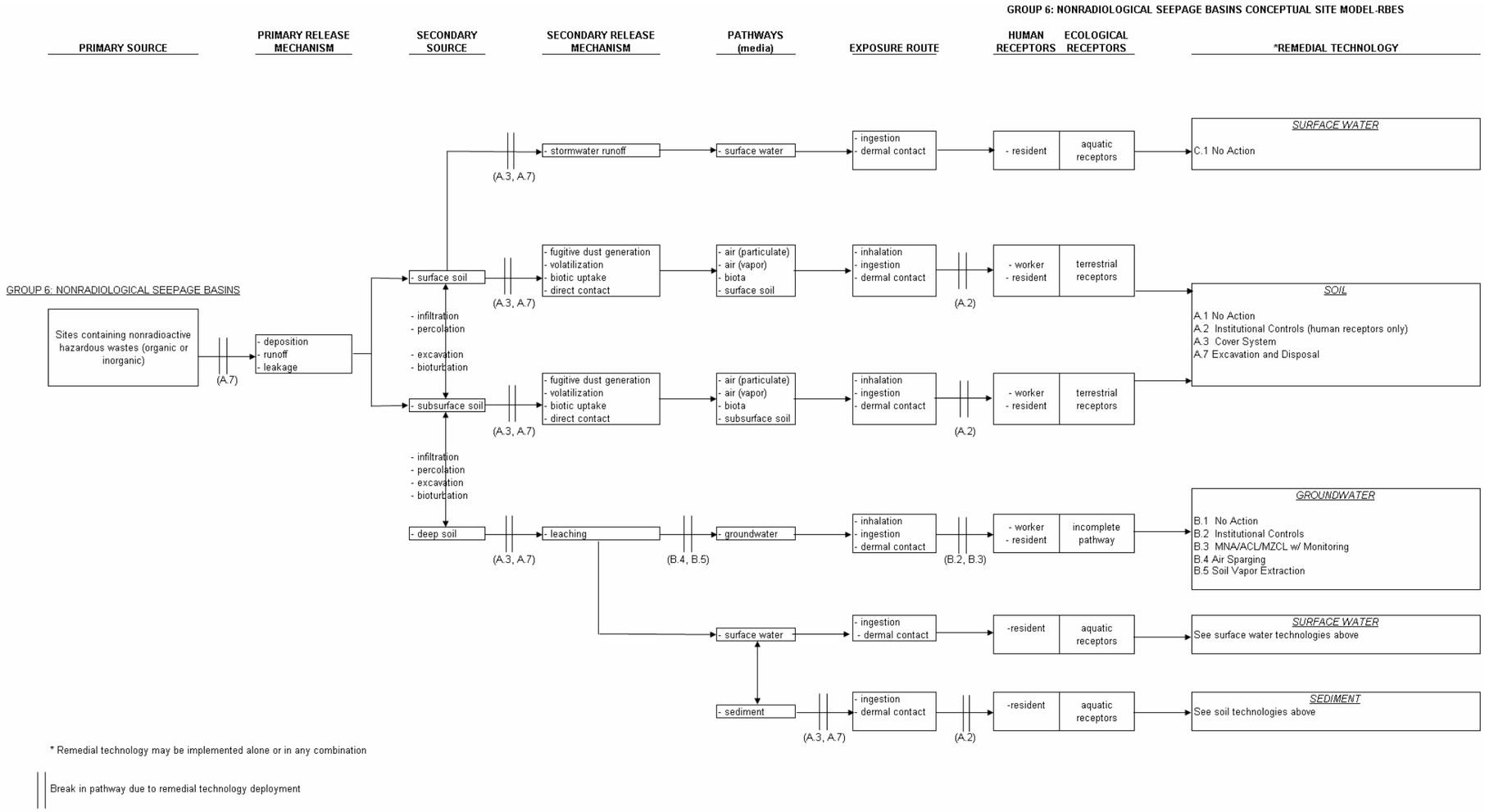
GROUP 6: NONRADIOLOGICAL SEEPAGE BASINS CONCEPTUAL SITE MODEL-RBES
PRIMARY SOURCE
PRIMARY RELEASE MECHANISM
SECONDARY SOURCE
SECONDARY RELEASE MECHANISM
PATHWAYS (media)
EXPOSURE ROUTE
HUMAN RECEPTORS
ECOLOGICAL RECEPTORS
*REMEDIAL TECHNOLOGY
GROUP 6: NONRADIOLOGICAL SEEPAGE BASINS
Sites containing nonradioactive hazardous wastes (organic or inorganic)
(A.7)
- deposition
- runoff
- leakage
- infiltration
- percolation
- excavation
- bioturbation
- surface soil
- subsurface soil
- deep soil
(A.3, A.7)
- stormwater runoff
- fugitive dust generation
- volatilization
- biotic uptake
- direct contact
- leaching
(B.4, B.5)
- surface water
- sediment
- air (particulate)
- air (vapor)
- biota
- surface soil
- subsurface soil
- groundwater
- ingestion
- dermal contact
- inhalation
(A.2)
(B.2, B.3)
- resident
- worker
aquatic receptors
terrestrial receptors
incomplete pathway
SURFACE WATER
C.1 No Action
SOIL
A.1 No Action
A.2 Institutional Controls (human receptors only)
A.3 Cover System
A.7 Excavation and Disposal
GROUNDWATER
B.1 No Action
B.2 Institutional Controls
B.3 MNA/ACL/MZCL w/ Monitoring
B.4 Air Sparging
B.5 Soil Vapor Extraction
See surface water technologies above
SEDIMENT
See soil technologies above
* Remedial technology may be implemented alone or in any combination
Break in pathway due to remedial technology deployment

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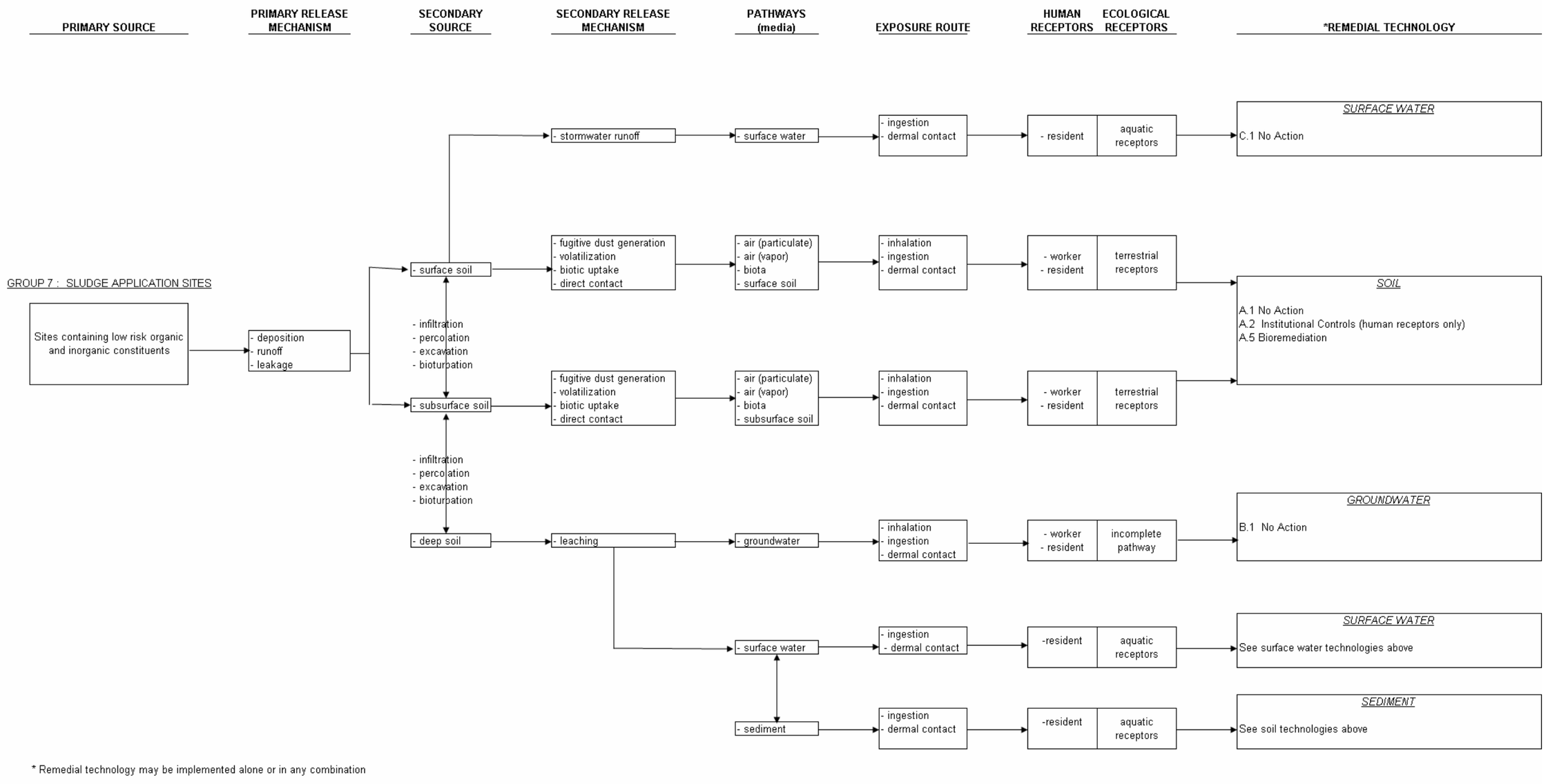
GROUP 7: SLUDGE APPLICATION SITES CONCEPTUAL SITE MODEL



* Remedial technology may be implemented alone or in any combination

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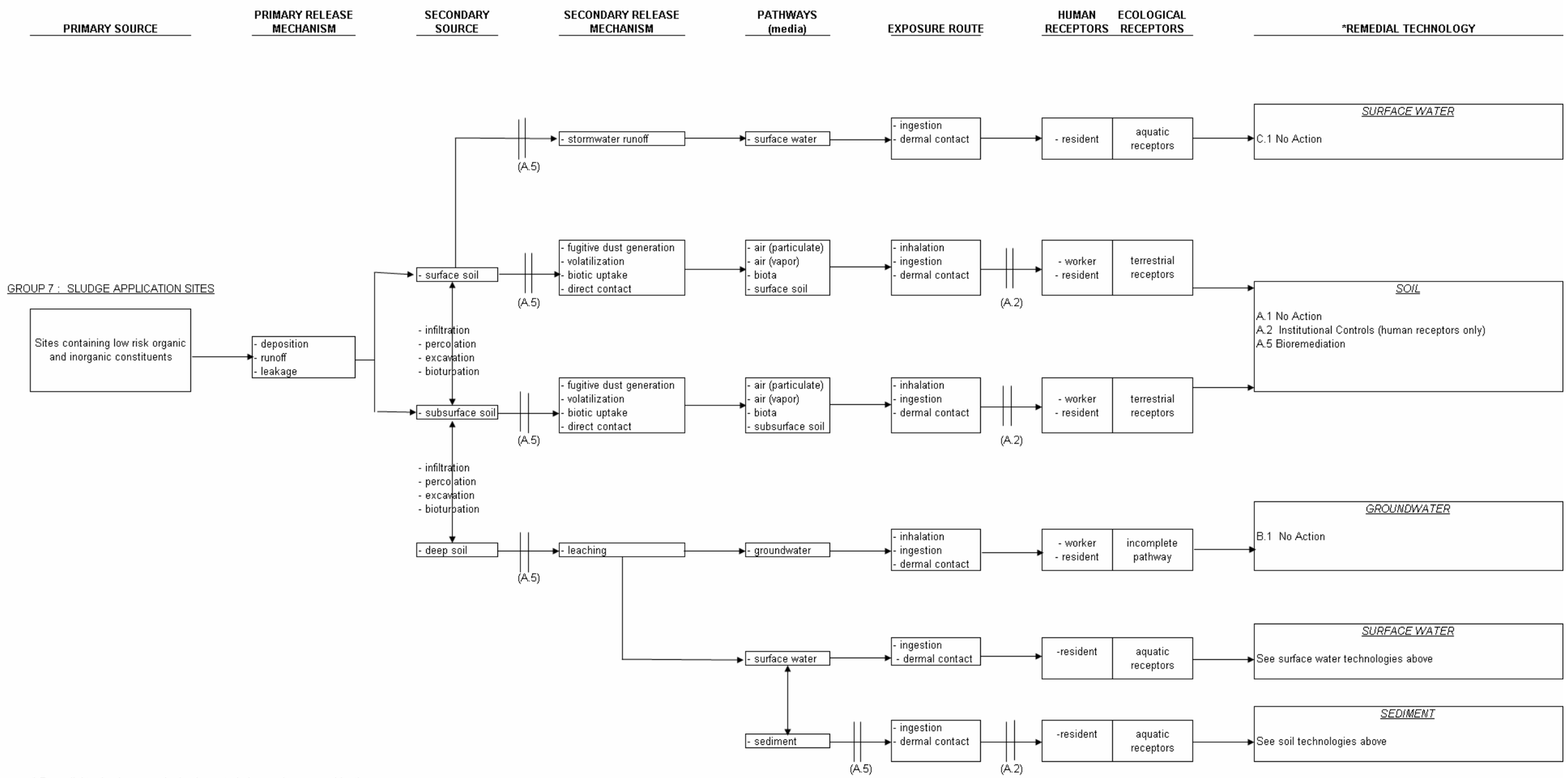
GROUP 7: SLUDGE APPLICATION SITES CONCEPTUAL SITE MODEL-RBES



* Remedial technology may be implemented alone or in any combination

|| Break in pathway due to remedial technology deployment

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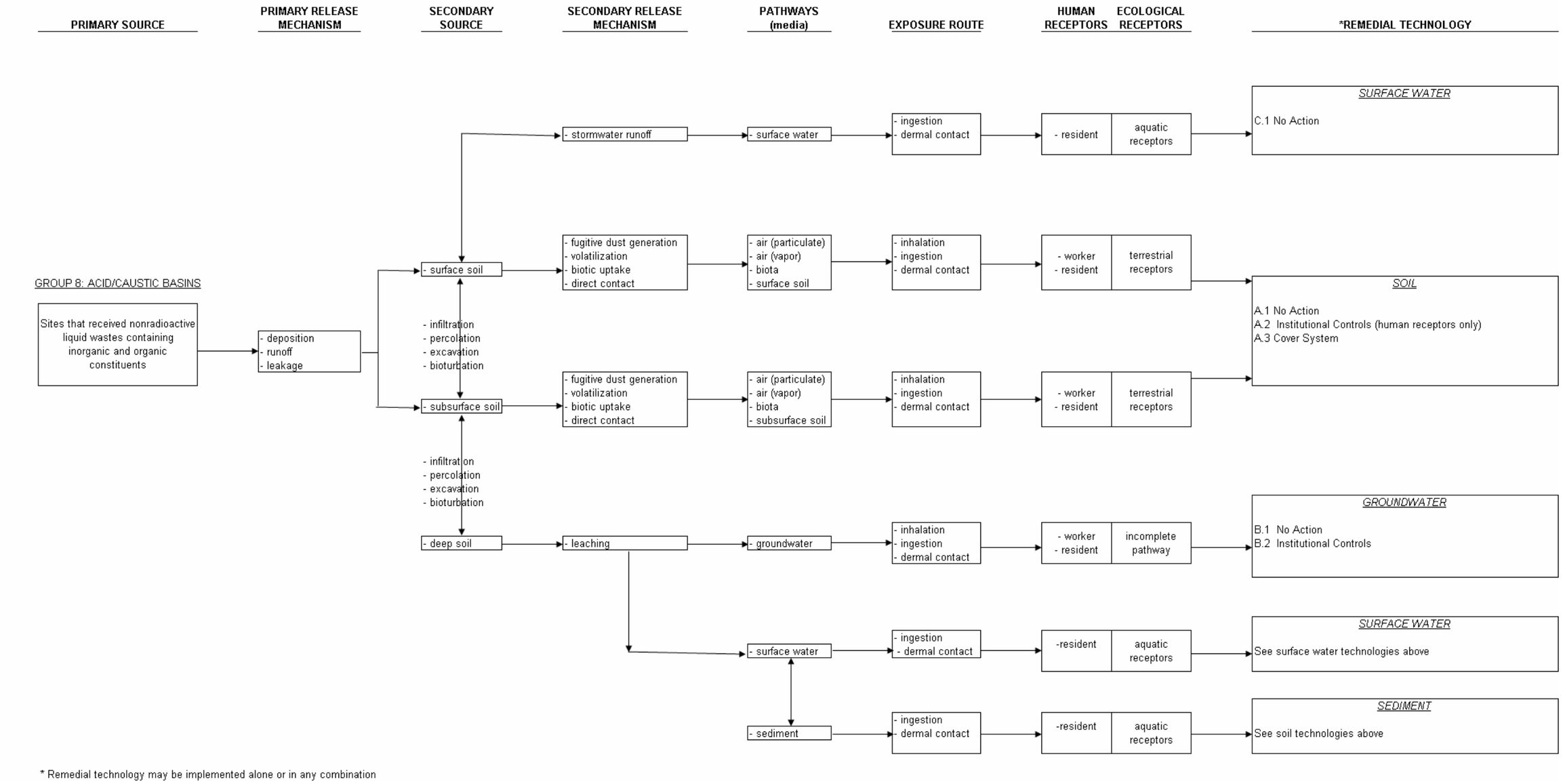
GROUP 8: ACID/CAUSTIC BASINS CONCEPTUAL SITE MODEL



* Remedial technology may be implemented alone or in any combination

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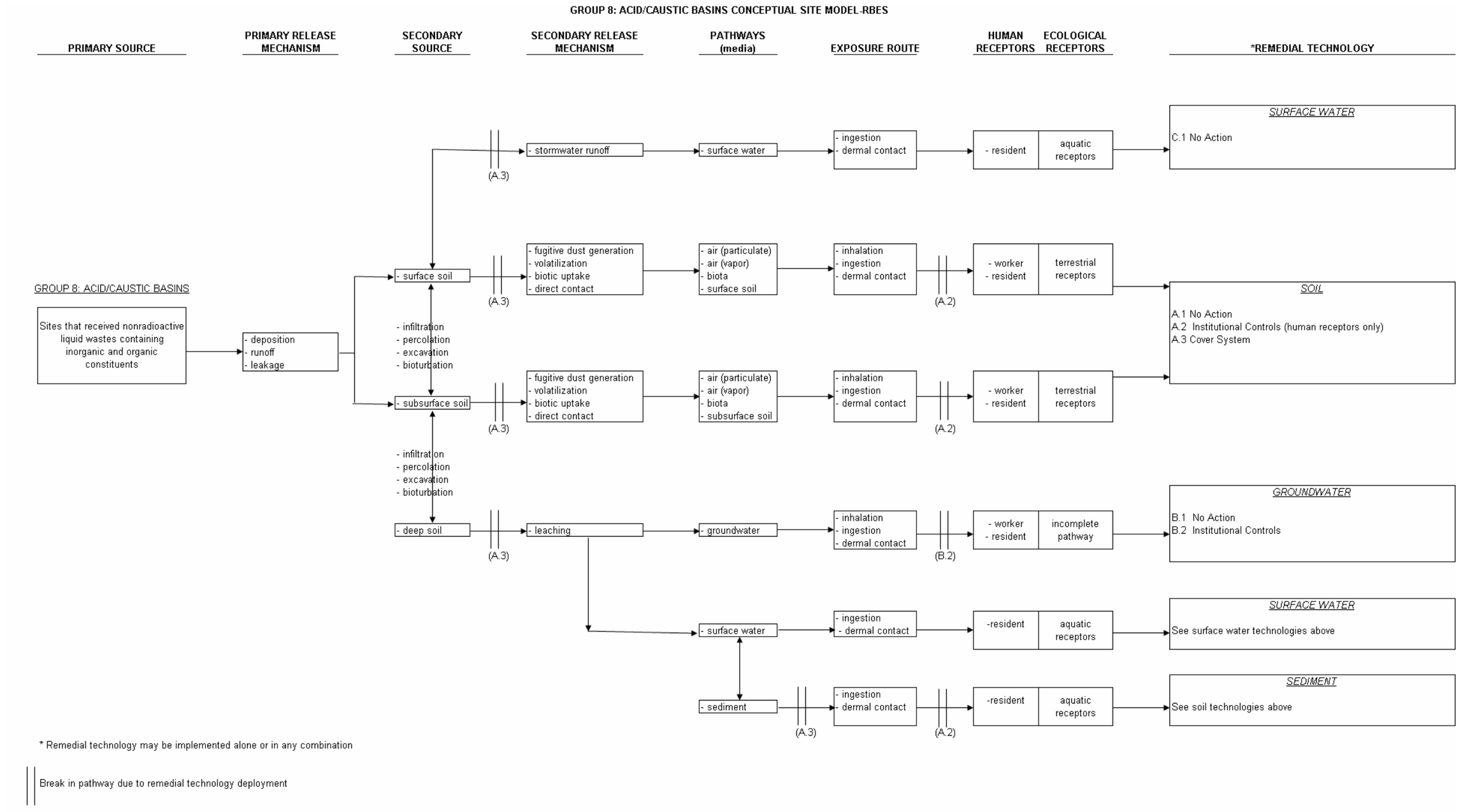
GROUP 8: ACID/CAUSTIC BASINS CONCEPTUAL SITE MODEL-RBES
PRIMARY SOURCE
PRIMARY RELEASE MECHANISM
SECONDARY SOURCE
SECONDARY RELEASE MECHANISM
PATHWAYS (media)
EXPOSURE ROUTE
HUMAN RECEPTORS
ECOLOGICAL RECEPTORS
*REMEDIAL TECHNOLOGY
GROUP 8: ACID/CAUSTIC BASINS
Sites that received nonradioactive liquid wastes containing inorganic and organic constituents
- deposition
- runoff
- leakage
- infiltration
- percolation
- excavation
- bioturbation
- surface soil
- subsurface soil
- deep soil
- leaching
(A.3)
- stormwater runoff
- surface water
- ingestion
- dermal contact
- resident
aquatic receptors
SURFACE WATER
C.1 No Action
- fugitive dust generation
- volatilization
- biotic uptake
- direct contact
- air (particulate)
- air (vapor)
- biota
- surface soil
- subsurface soil
- inhalation
- ingestion
- dermal contact
(A.2)
- worker
- resident
terrestrial receptors
SOIL
A.1 No Action
A.2 Institutional Controls (human receptors only)
A.3 Cover System
- groundwater
(B.2)
incomplete pathway
GROUNDWATER
B.1 No Action
B.2 Institutional Controls
-resident
See surface water technologies above
- sediment
See soil technologies above
* Remedial technology may be implemented alone or in any combination
Break in pathway due to remedial technology deployment

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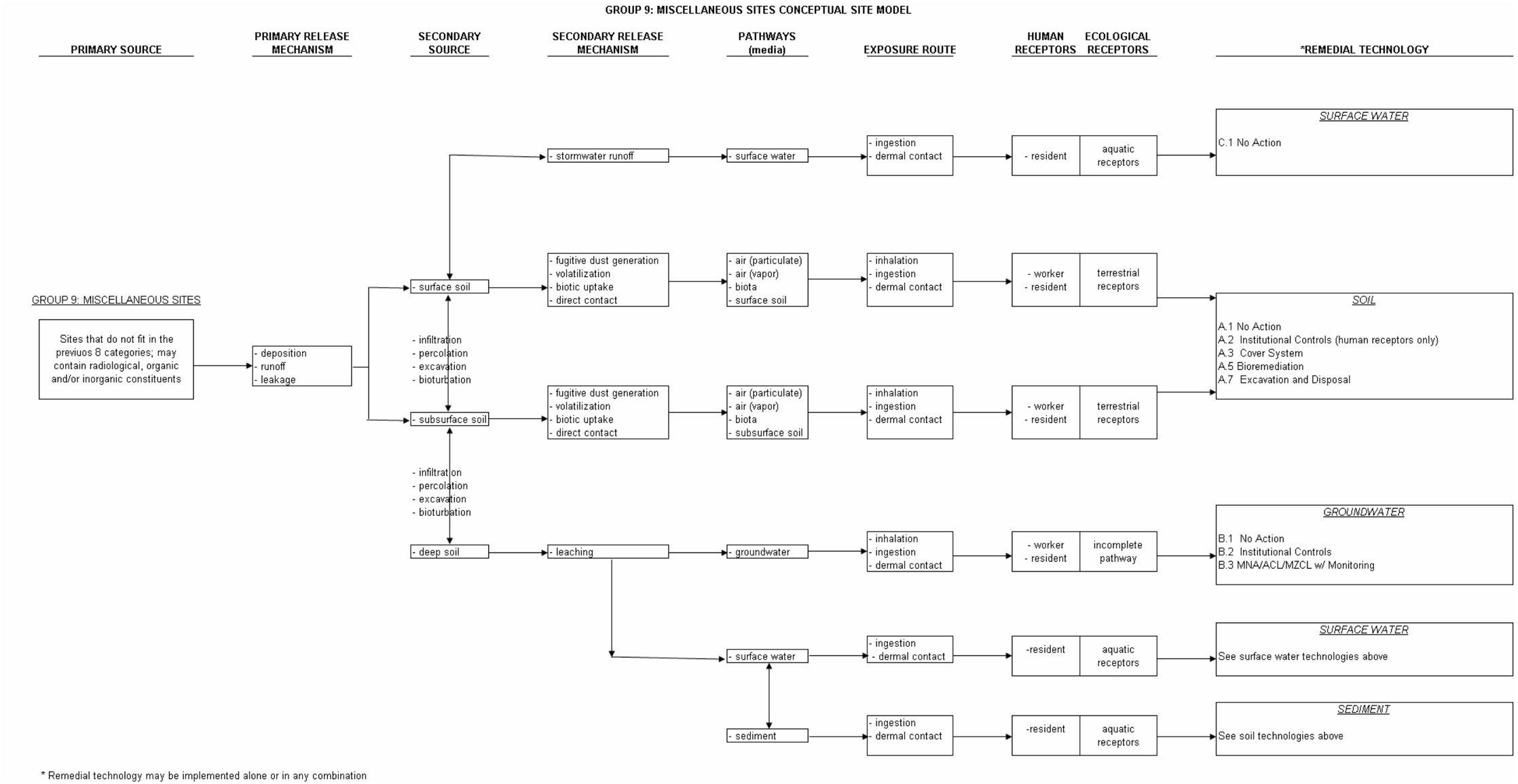
GROUP 9: MISCELLANEOUS SITES CONCEPTUAL SITE MODEL
PRIMARY SOURCE
PRIMARY RELEASE MECHANISM
SECONDARY SOURCE
SECONDARY RELEASE MECHANISM
PATHWAYS (media)
EXPOSURE ROUTE
HUMAN RECEPTORS
ECOLOGICAL RECEPTORS
*REMEDIAL TECHNOLOGY
GROUP 9: MISCELLANEOUS SITES
Sites that do not fit in the previuos 8 categories; may contain radiological, organic and/or inorganic constituents
- deposition
- runoff
- leakage
- infiltration
- percolation
- excavation
- bioturbation
- surface soil
- subsurface soil
- infiltration
- percolation
- excavation
- bioturbation
- deep soil
- stormwater runoff
- fugitive dust generation
- volatilization
- biotic uptake
- direct contact
- fugitive dust generation
- volatilization
- biotic uptake
- direct contact
- leaching
- surface water
- air (particulate)
- air (vapor)
- biota
- surface soil
- air (particulate)
- air (vapor)
- biota
- subsurface soil
- groundwater
- surface water
- sediment
- ingestion
- dermal contact
- inhalation
- ingestion
- dermal contact
- inhalation
- ingestion
- dermal contact
- inhalation
- ingestion
- dermal contact
- ingestion
- dermal contact
- ingestion
- dermal contact
- resident
- worker
- resident
- worker
- resident
- worker
- resident
-resident
-resident
aquatic receptors
terrestrial receptors
terrestrial receptors
incomplete pathway
aquatic receptors
aquatic receptors
SURFACE WATER
C.1 No Action
SOIL
A.1 No Action
A.2 Institutional Controls (human receptors only)
A.3 Cover System
A.5 Bioremediation
A.7 Excavation and Disposal
GROUNDWATER
B.1 No Action
B.2 Institutional Controls
B.3 MNA/ACL/MZCL w/ Monitoring
SURFACE WATER
See surface water technologies above
SEDIMENT
See soil technologies above
* Remedial technology may be implemented alone or in any combination

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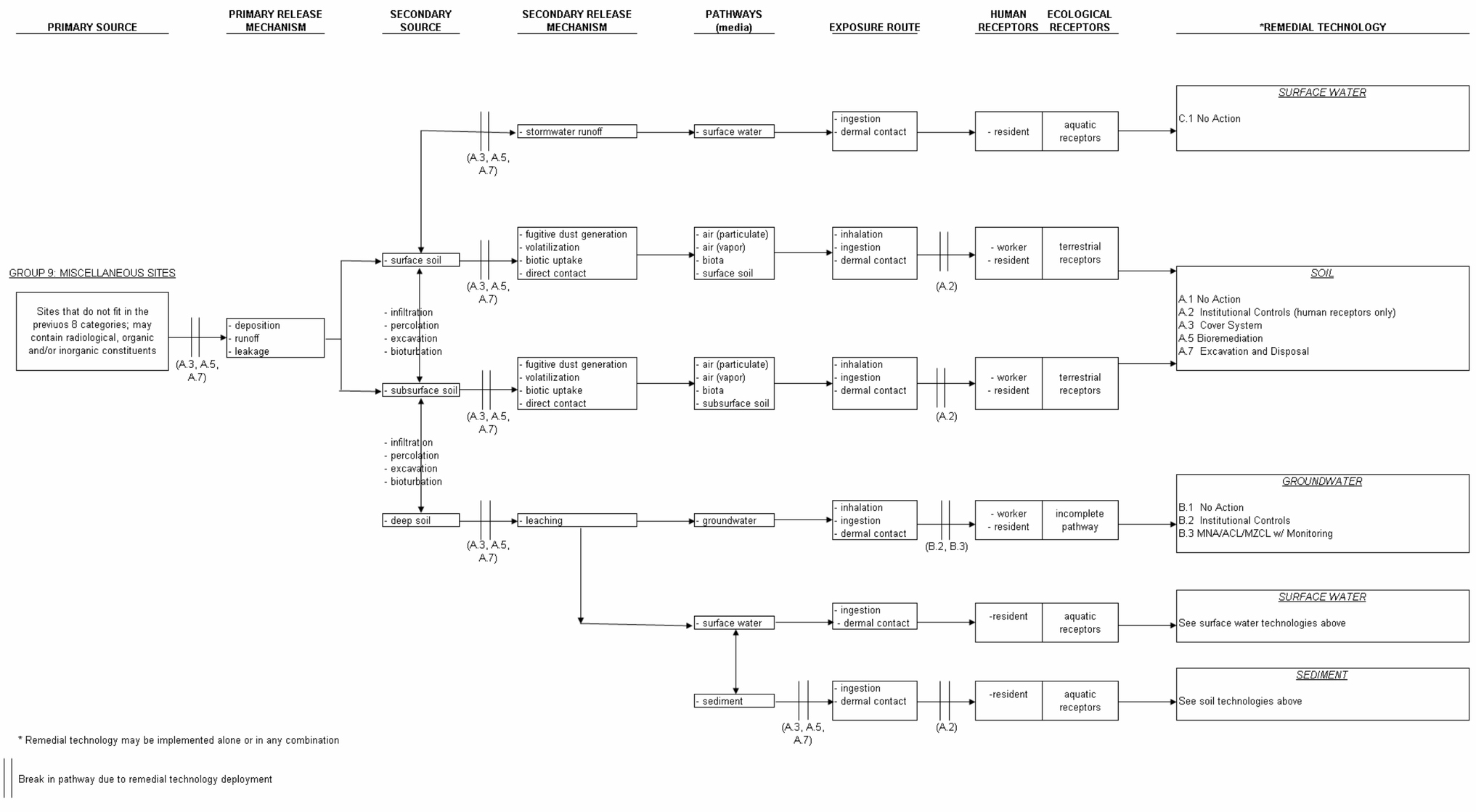
GROUP 9: MISCELLANEOUS SITES CONCEPTUAL SITE MODEL-RBES



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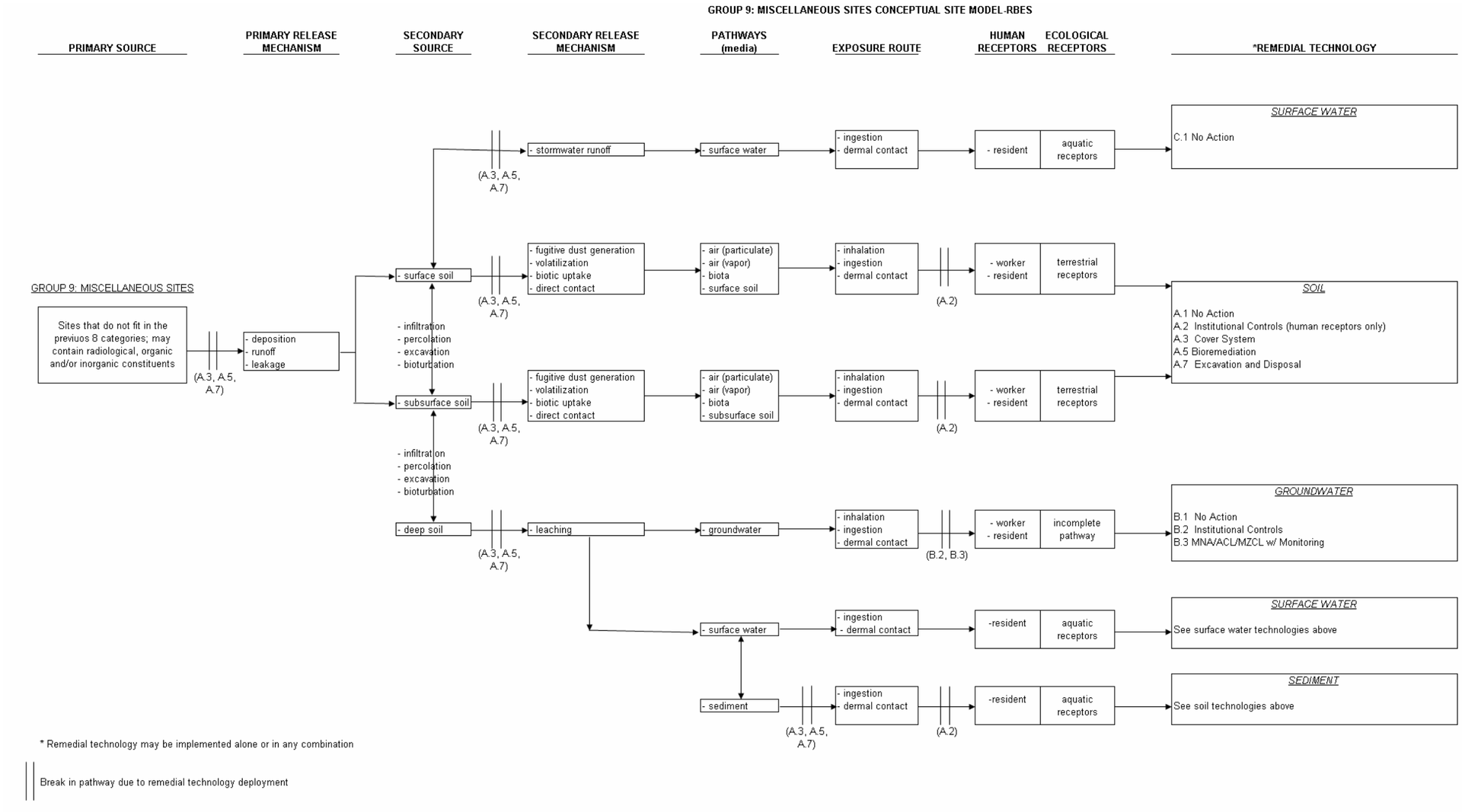
GROUP 9: MISCELLANEOUS SITES CONCEPTUAL SITE MODEL-RBES
PRIMARY SOURCE
PRIMARY RELEASE MECHANISM
SECONDARY SOURCE
SECONDARY RELEASE MECHANISM
PATHWAYS (media)
EXPOSURE ROUTE
HUMAN RECEPTORS
ECOLOGICAL RECEPTORS
*REMEDIAL TECHNOLOGY
GROUP 9: MISCELLANEOUS SITES
Sites that do not fit in the previuos 8 categories; may contain radiological, organic and/or inorganic constituents
(A.3, A.5, A.7)
- deposition
- runoff
- leakage
- surface soil
- subsurface soil
- infiltration
- percolation
- excavation
- bioturbation
- deep soil
- stormwater runoff
- fugitive dust generation
- volatilization
- biotic uptake
- direct contact
- leaching
- surface water
- air (particulate)
- air (vapor)
- biota
- subsurface soil
- groundwater
- sediment
- ingestion
- dermal contact
- inhalation
- ingestion
- dermal contact
(A.2)
(B.2, B.3)
- resident
- worker
- resident
aquatic receptors
terrestrial receptors
incomplete pathway
SURFACE WATER
C.1 No Action
SOIL
A.1 No Action
A.2 Institutional Controls (human receptors only)
A.3 Cover System
A.5 Bioremediation
A.7 Excavation and Disposal
GROUNDWATER
B.1 No Action
B.2 Institutional Controls
B.3 MNA/ACL/MZCL w/ Monitoring
SURFACE WATER
See surface water technologies above
SEDIMENT
See soil technologies above
* Remedial technology may be implemented alone or in any combination
Break in pathway due to remedial technology deployment

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DEACTIVATION AND DECOMMISSIONING Hazards

The integrated Deactivation &Decommissioning (D&D) plan addresses all significant SRS Environmental Management facilities, waste sites, and waste tanks. To ensure consistency and clarity in planning, documentation, and reporting; a controlled listing of SRS facilities for decommissioning, referred to as the Comprehensive Facility List (CFL), has been developed. In general, the criteria for inclusion in the controlled listing of facilities for decommissioning are:

- EM buildings that have been capitalized at $25,000 or greater value
- Other structures or facilities valued at $250,000
- Nuclear Hazard Category 1, 2, or 3, and Radiological Hazard facilities

EM facilities to be decommissioned are characterized in to six categories.

Nuclear (HC 2 or 3) – facilities that fall into one of two categories: Hazard Category 2 or Hazard Category 3, which are defined below.

- Hazard Category 2 – potential for significant on-site consequences.
- Hazard Category 3 – potential for only significant localized consequences.

Radiological – facilities below Hazard Category 3 but still contain quantities of radioactive material at or above the Reportable Quantity value listed in 40 CFR 302.4.

Chemical Low Hazard – facilities with radiological hazards below 40 CFR 302.4 thresholds, but with chemical hazards both below 29 CFR 1910.119 or 40 CFR 68 thresholds and at or above reportable quantities in 40 CFR 302.4

Other Industrial – facilities with all radiological and **chemical hazards below 40 CFR 302.4 thresholds.**

High Level Waste Tanks – tanks containing high-level radioactive waste from SRS chemical separations process that was generated in both solid and liquid forms.

Never Contaminated – facilities that never processed or stored bulk chemicals or radiological materials. Chemical storage was limited to industrial for cleaning purposes only.

Description of Technologies

An end state is the status of a facility or waste site after decommissioning and closure activities are complete. The selection of end states is very important to the planning process in that it dictates the required extent of facility decommissioning and site remediation. It also factors heavily into the cost, schedule, and work scope of the decommissioning project. The two possible end state alternatives applicable to SRS facilities are Demolition and In-Situ Disposal (ISD).

Demolition – Demolition includes demolishing and removing the entire facility to grade, and decontaminating as necessary to meet established release criteria. There may be variations among individual residual conditions within this end state category. For example, some facilities may be removed in their entirety, while the sub-surface portions of others may remain in place after decontamination and removal of hazardous materials. In all cases, the end-state must be compliant with applicable regulations and with the goal of no new waste sites created at SRS.

In-Situ Disposal – ISD is the preferred End-State for some structurally robust facilities for which demolition would be both very expensive and unnecessary. In this case, radiological and other hazardous material is removed and the facility or waste tank is decontaminated to a level that meets established criteria, and additional barriers are in place as necessary. Also, some period of post decommissioning monitoring may be required. Again, the End-State must be compliant with applicable regulations and with the goal of no new waste sites created at SRS.

Conceptual Site Models

The next section shows the Conceptual Site Models for Deactivation and Decommissioning in chart form.

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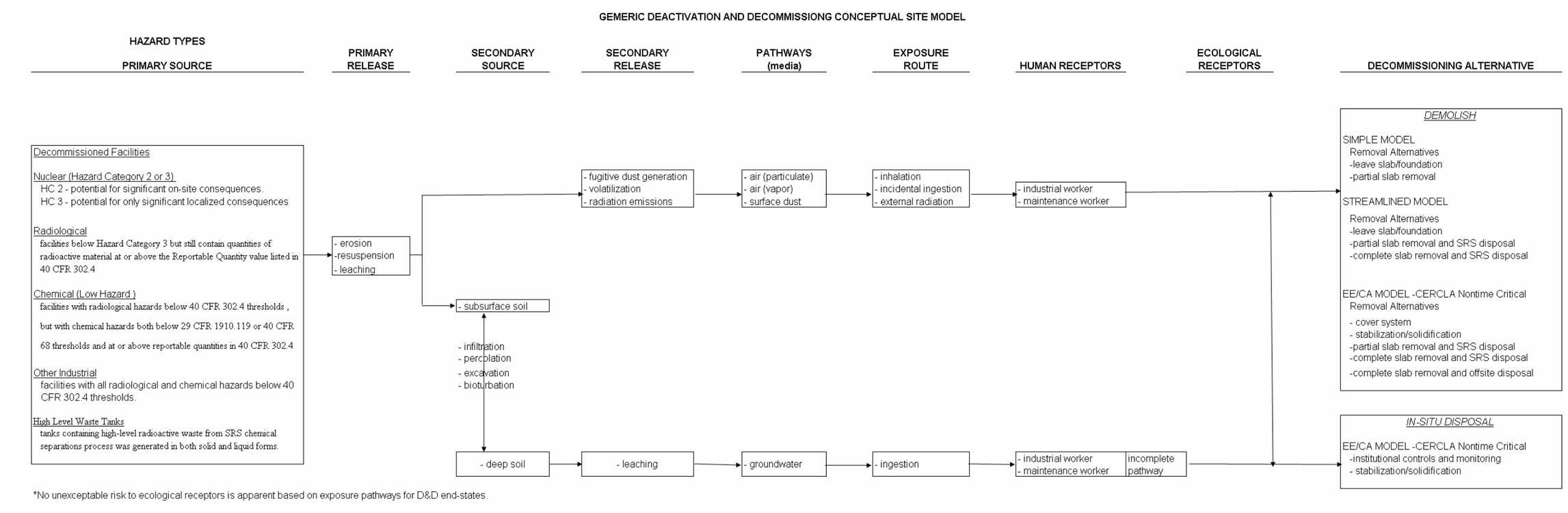

*No unexceptable risk to ecological receptors is apparent based on exposure pathways for D&D end-states.

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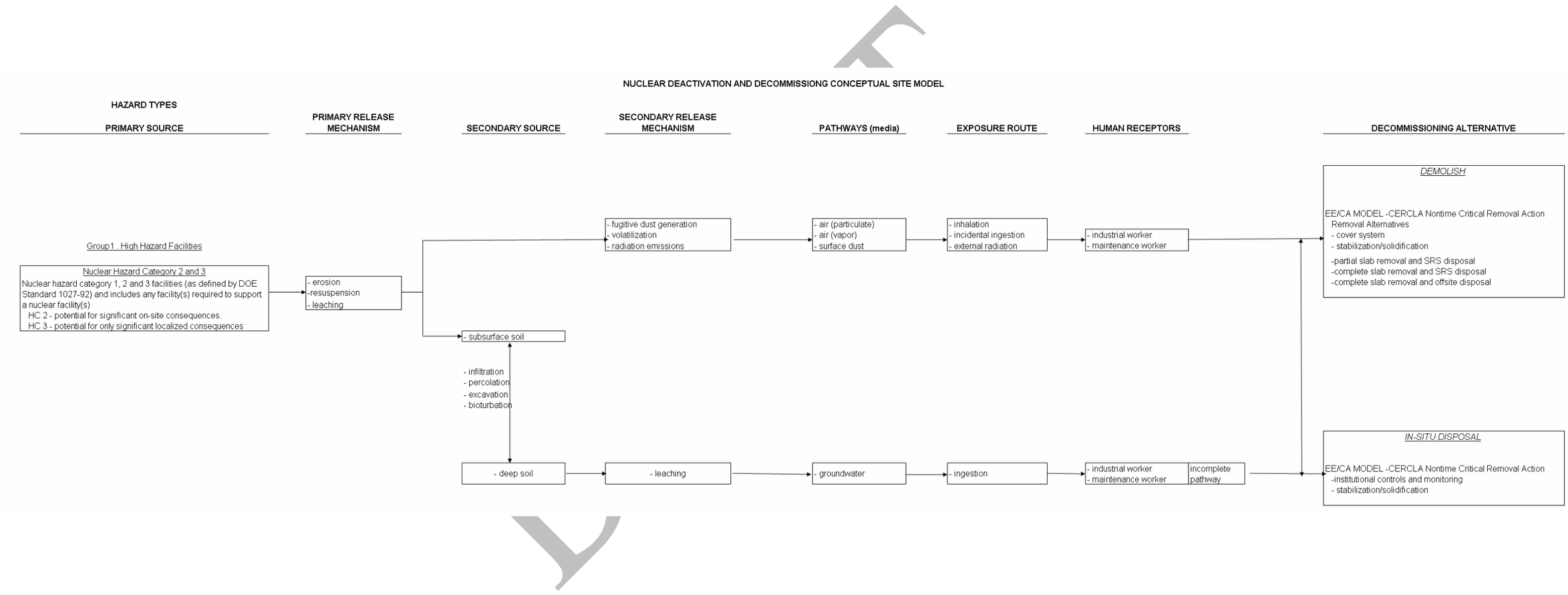
NUCLEAR DEACTIVATION AND DECOMMISSIONG CONCEPTUAL SITE MODEL
HAZARD TYPES
PRIMARY SOURCE
PRIMARY RELEASE MECHANISM
SECONDARY SOURCE
SECONDARY RELEASE MECHANISM
PATHWAYS (media)
EXPOSURE ROUTE
HUMAN RECEPTORS
DECOMMISSIONING ALTERNATIVE
Group1 . High Hazard Facilities
Nuclear Hazard Category 2 and 3
Nuclear hazard category 1, 2 and 3 facilities (as defined by DOE Standard 1027-92) and includes any facility(s) required to support a nuclear facility(s)
HC 2 - potential for significant on-site consequences.
HC 3 - potential for only significant localized consequences
- erosion
-resuspension
- leaching
- fugitive dust generation
- volatilization
- radiation emissions
- air (particulate)
- air (vapor)
- surface dust
- inhalation
- incidental ingestion
- external radiation
- industrial worker
- maintenance worker
DEMOLISH
EE/CA MODEL -CERCLA Nontime Critical Removal Action
Removal Alternatives
- cover system
- stabilization/solidification
-partial slab removal and SRS disposal
-complete slab removal and SRS disposal
-complete slab removal and offsite disposal
- subsurface soil
- infiltration
- percolation
- excavation
- bioturbation
- deep soil
- leaching
- groundwater
- ingestion
- industrial worker
- maintenance worker
incomplete pathway
IN-SITU DISPOSAL
EE/CA MODEL -CERCLA Nontime Critical Removal Action
-institutional controls and monitoring
- stabilization/solidification

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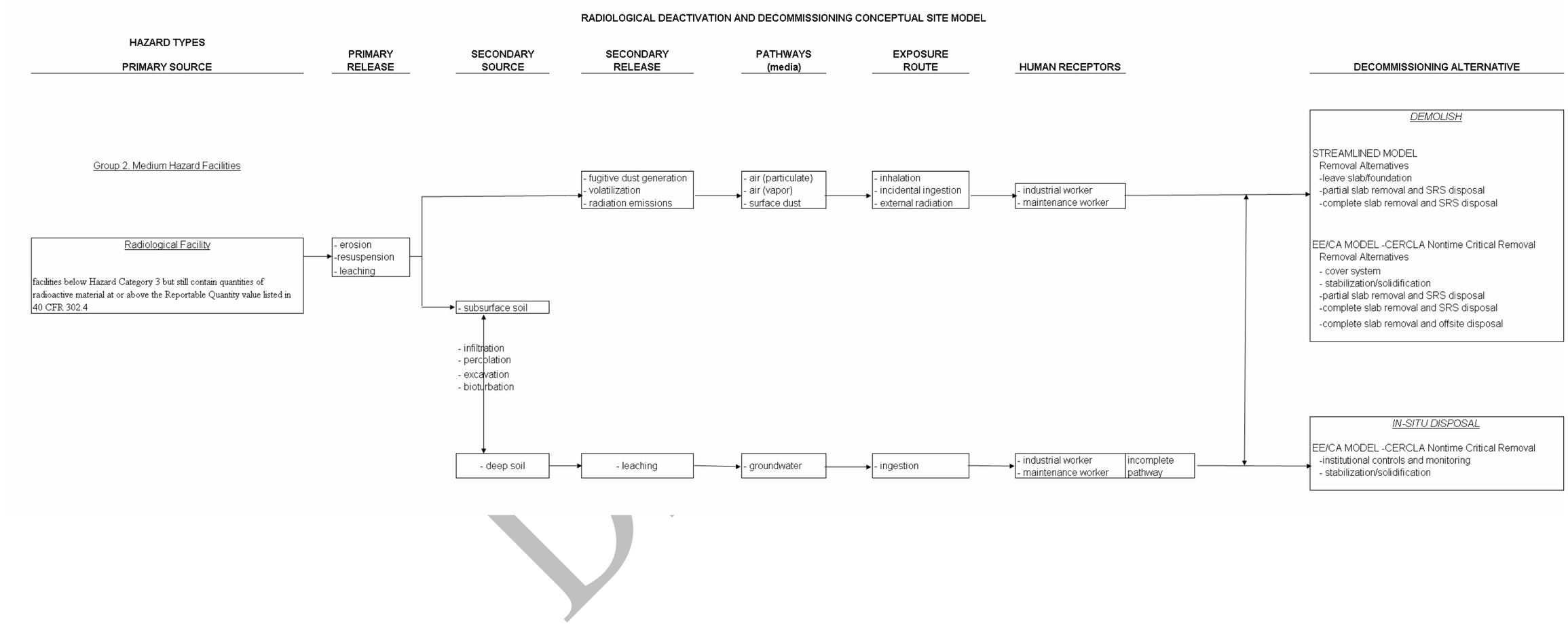
RADIOLOGICAL DEACTIVATION AND DECOMMISSIONING CONCEPTUAL SITE MODEL
HAZARD TYPES
PRIMARY SOURCE
PRIMARY RELEASE
SECONDARY SOURCE
SECONDARY RELEASE
PATHWAYS (media)
EXPOSURE ROUTE
HUMAN RECEPTORS
DECOMMISSIONING ALTERNATIVE
Group 2. Medium Hazard Facilities
Radiological Facility
facilities below Hazard Category 3 but still contain quantities of radioactive material at or above the Reportable Quantity value listed in 40 CFR 302.4
- erosion
-resuspension
- leaching
- fugitive dust generation
- volatilization
- radiation emissions
- air (particulate)
- air (vapor)
- surface dust
- inhalation
- incidental ingestion
- external radiation
- industrial worker
- maintenance worker
- subsurface soil
- infiltration
- percolation
- excavation
- bioturbation
- deep soil
- leaching
- groundwater
- ingestion
- industrial worker
- maintenance worker
incomplete pathway
DEMOLISH
STREAMLINED MODEL
Removal Alternatives
-leave slab/foundation
-partial slab removal and SRS disposal
-complete slab removal and SRS disposal
EE/CA MODEL -CERCLA Nontime Critical Removal
Removal Alternatives
- cover system
- stabilization/solidification
-partial slab removal and SRS disposal
-complete slab removal and SRS disposal
-complete slab removal and offsite disposal
IN-SITU DISPOSAL
EE/CA MODEL -CERCLA Nontime Critical Removal
-institutional controls and monitoring
- stabilization/solidification

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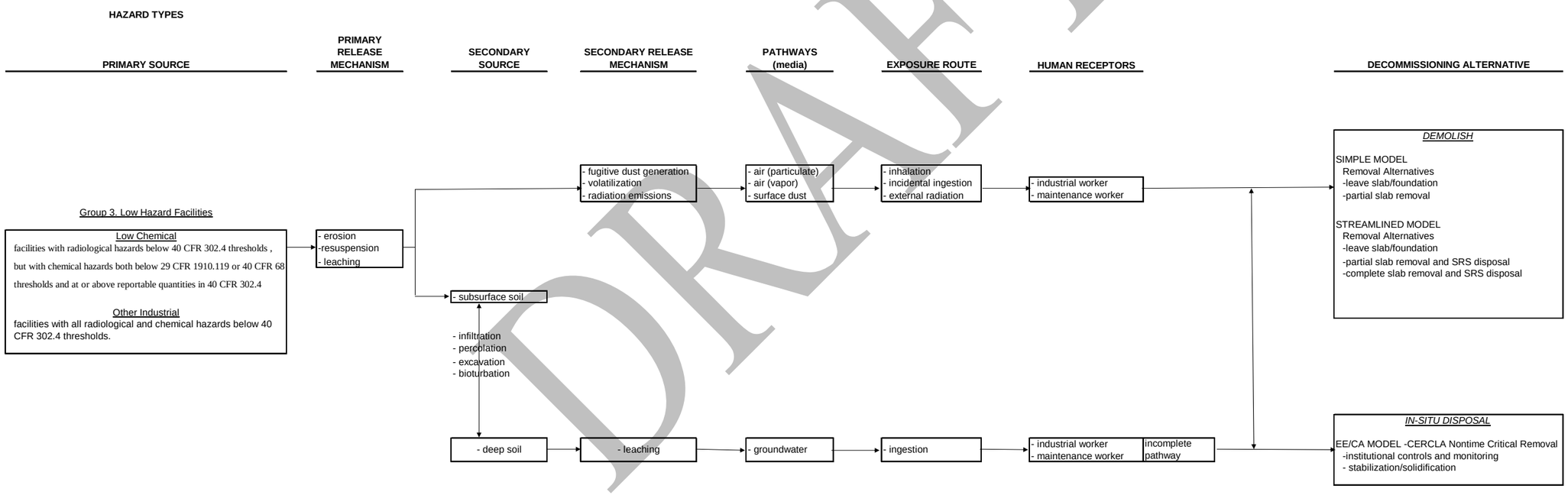
CHEMICAL AND OTHER INDUSTRIAL DEACTIVATION AND DECOMMISSIONING CONCEPTUAL SITE MODEL



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The SRS typical CSMs are designed to communicate the hazard types and end state options. The CSM and associated D&D facility database communicate the following::

- Hazard type and location (waste units are grouped by hazard types and location by watersheds)
- Current status (whether the facility is in the Contract Mod 100 Target Case, Maximum Case, Threshold or Other.)
- Risk (current) (Nuclear Hazard Category 2 or 3, Radiological, Chemical Low Hazard, Other Industrial, High Level Waste Tanks, or Never Contaminated)
- Risk (RBES) (all will be low risk)
- Technology (demolish or in situ disposal)
- Institutional Controls in Place (Yes or no.)