**WASTE MANAGEMENT UNITS—
SAVANNAH RIVER SITE
Volume I: Waste Management Unit Worksheets**

October 1989

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Date

**Westinghouse Savannah River Company
Savannah River Site
Aiken, SC 29808**

PREPARED FOR THE U.S. DEPARTMENT OF ENERGY UNDER CONTRACT NO. DE-AC09-88SR18035

MASTER

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CURRENT REVISIONS SUMMARY

The following changes have been made to this document by this revision:

- Two units have been added to the document:

<u>Unit Name</u>	<u>Bldg. No.</u>	<u>Category</u>
F-Area Clay Lateral to ETF	NBN	A
G-Area Oil Seepage Basin	761-13G	B

- Four units have changed category:

<u>Unit Name</u>	<u>Bldg. No.</u>	<u>Category</u>
Central Shops Sludge Lagoon	080-24G	B
K-Area Sludge Land Application Site	761-4G	B
Par Pond Sludge Land Application Site	761-5G	B
TNX Seepage Basin (New)	904-102G	B

- Seventy-four units are in the RCRA Facility Investigation (RFI) Program as required by Section V.C. of Savannah River Site's Hazardous Waste Permit:

<u>Unit Name</u>	<u>Bldg. No.</u>
CMP Pits (7)	080-17G
	080-17.1G
	080-18G
	080-18.1G
	080-18.2G
	080-18.3G
	080-19G
C-Area Burning/Rubble Pit	131-C
K-Area Burning/Rubble Pit	131-K
P-Area Burning/Rubble Pit	131-P
F-Area Burning/Rubble Pit (2)	231-F
	231-1F
A-Area Burning/Rubble Pit	731-A
	731-1A
Silverton Road Waste Site	731-3A

<u>Unit Name</u>	<u>Bldg. No.</u>
Sanitary Landfill	740-G
H-Area Seepage Basin (Old)	904-46G
TNX Seepage Basin (Old)	904-76G
L-Area Oil/Chemical Basin	904-83G
Miscellaneous Chemical Basin	731-5A
M-Area West	631-21G
Grace Road Site	631-22G
Gunsite 218 Rubble Pile	631-23G
Gunsite 113 Access Road Site	631-24G
West of SREL "Georgia Fields" Site	631-19G
K-Area Rubble Pile	631-20G
SRL Oil Test Site	080-16G
L-Area Burning/Rubble Pit	131-L
L-Area Rubble Pit	131-1L
R-Area Burning/Rubble Pit (2)	131-R
	131-1R
K-Area Coal Pile Runoff Basin	189-K
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H-Area Coal Pile Runoff Basin	289-H
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	431-1D
D-Area Coal Pile Runoff Basin	489-D
D-Area Oil Seepage Basin	631-G
Central Shops Burning/Rubble Pit (3)	631-1G
	631-5G
	631-6G
Central Shops Rubble Pit	631-3G
Old Radioactive Waste Burial Ground	643-G
Present Radioactive Waste Burial Ground	643-7G
A-Area Rubble Pit	731-2A
F-Area Seepage Basin (Old)	904-49G
SRL Seepage Basins (4)	904-53G1
	904-53G2
	904-54G
	904-55G
F-Area Acid Caustic Basin	904-74G
H-Area Acid Caustic Basin	904-75G
R-Area Acid Caustic Basin	904-77G
P-Area Acid Caustic Basin	904-78G
L-Area Acid Caustic Basin	904-79G
K-Area Acid Caustic Basin	904-80G
Ford Building Seepage Basin	904-91G
G-Area Oil Seepage Basin	761-13G
Tank 16	241-H

<u>Unit Name</u>	<u>Bldg. No.</u>
Central Shops Sludge Lagoon	080-24G
K-Area Sludge Land Application Site	761-4G
Par Pond Sludge Land Application site	761-5G
C-Area Coal Pile Runoff Basin	189-C
F-Area Coal Pile Runoff Basin	289-F
D-Area Ash Basin	488-D
Metals Burning Pit	731-4A
A-Area Miscellaneous Rubble Pile	731-6A
A-Area Coal Pile Runoff Basin	788-3A
716-A Motor Shop Seepage Basin	904-101G
TNX Seepage Basin (New)	904-102G
Road A Chemical Basin	904-111G
Gunsite 720 Rubble Pit	631-16G

- On September 24, 1985, the Natural Resources Defense Council, Energy Research Foundation, South Carolina League of Women Voters, and the Georgia Conservancy filed a complaint against the United States Department of Energy. The Consent Decree was filed May 31, 1988.

The following sites are addressed in this agreement:

<u>Unit Name</u>	<u>Bldg. No.</u>	<u>Category</u>
Metallurgical Laboratory Basin	904-110G	A
Acid Caustic Basin	904-76G	B
Acid Caustic Basin	904-75G	B
Acid Caustic Basin	904-78G	B
Acid Caustic Basin	904-80G	B
Mixed Waste Management Facility	643-28G	B
Savannah River Laboratory Seepage Basins	904-53G1	B
Savannah River Laboratory Seepage Basins	904-53G2	B
Savannah River Laboratory Seepage Basins	904-54G	B
Savannah River Laboratory Seepage Basins	904-55G	B
New TNX Seepage Basin	904-102G	C

- The following units are now closed:

<u>Unit Name</u>	<u>Bldg. No.</u>	<u>Category</u>
Mixed Waste Storage Tank	643-29G	B
40-Acre Hardwood Site	761-G	C
Second Par Pond Site	761-8G	C
B-Area Tower Foundation	NBN	C

<u>Unit Name</u>	<u>Bldg. No.</u>	<u>Category</u>
Parking Lot Type Lights on Wilson Road	NBN	C
Patterson Mill Road Rubble Pile	NBN	C
Miscellaneous Trash at Snapp	NBN	C
Miscellaneous Rubble at Dunbarton	NBN	C
Stadia Lights with Poles	NBN	C

DEFINITIONS

"Hazardous constituent" means a substance identified in Title 40, Code of Federal Regulations, Section 261 (40 CFR 261) Appendix VIII

"Hazardous waste" means a substance defined in 40 CFR 261.3

"Point-of-compliance" means the vertical surface at the hydraulically downgradient limit of the waste management unit (40 CFR 264.95)

"Release" means that the concentration of a hazardous constituent at the point-of-compliance exceeds the higher of background or Table I values (40 CFR 264.94(a))

"Solid Waste Management Unit" includes any unit which has been used for the treatment, storage, or disposal of solid waste at any time, irrespective of whether the unit is or ever was intended for the management of solid waste. (Savannah River Plant Hazardous waste Permit SC1 890 008 989).

"RFI Program" is the Resource Conservation and Recovery Act Facilities Investigation mandated by the Savannah River Plant Hazardous Waste Permit. The purpose of the RFI is to define the nature and extent of the potential release of any hazardous material/constituent and to determine if corrective action is needed.

Note: This document has been prepared in response to a request by the U.S. Environmental Protection Agency (EPA) pursuant to the Resource Conservation and Recovery Act (RCRA). Due to the phrasing of the EPA request and the RCRA definition of "release," some units identified as having had no known releases may have had contaminants migrate from the location of original placement. The definition of "release" does not cover:

1. radionuclides;
2. hazardous chemical constituents detected in soil or groundwater within a unit's boundary (i.e., "fenceline"); or
3. anything migrating directly to surface water or air.

It is possible that some Solid Waste Management Units (e.g., High-Level Radioactive Tanks) may be recategorized as having had releases, although they do not meet the explicit definition above.

**INDEX OF SRP WASTE MANAGEMENT UNITS
BY BUILDING NUMBER
(Sheet 1 of 10)**

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- *A. Solid Waste Management Units having received hazardous waste or hazardous constituents with a known release to the environment.
- B. Solid Waste Management Units having received hazardous waste or hazardous constituents with no known release to the environment.
- C. Solid Waste Management Units having received no hazardous waste or hazardous constituents.
- D. Solid Waste Management Units having received source, special nuclear, or byproduct material only.

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BY BUILDING NUMBER
(Sheet 2 of 10)**

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- *A. Solid Waste Management Units having received hazardous waste or hazardous constituents with a known release to the environment.
- B. Solid Waste Management Units having received hazardous waste or hazardous constituents with no known release to the environment.
- C. Solid Waste Management Units having received no hazardous waste or hazardous constituents.
- D. Solid Waste Management Units having received source, special nuclear, or byproduct material only.

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BY BUILDING NUMBER
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- *A. Solid Waste Management Units having received hazardous waste or hazardous constituents with a known release to the environment.
- B. Solid Waste Management Units having received hazardous waste or hazardous constituents with no known release to the environment.
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- *A. Solid Waste Management Units having received hazardous waste or hazardous constituents with a known release to the environment.
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BY BUILDING NUMBER
(Sheet 6 of 10)**

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LOST LAKE	904-112G	30, A-24
LOWER KATO ROAD SITE	761-1G	43, C-44
LUCY SITE	761-3G	43, C-46
M-AREA AIR STRIPPER	323-M	41, B-69
M-AREA LIQUID EFFLUENT TREATMENT FACILITY	313-M	35, B-54
M-AREA LIQUID EFFLUENT TREATMENT FACILITY	341-M	35, B-54
M-AREA PROCESS WASTE INTERIM STORAGE FACILITY	341-IM	33, B-41
M-AREA SETTLING BASIN	904-51G	29, A-24
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MISC. CHEMICAL BASIN	731-5A	30, A-4
MISC. RUBBLE AT DUNBARTON	NBN	45, C-75
MISC. RUBBLE PILE	631-7G	43, C-37
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BY UNIT NAME
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MIXED WASTE STORAGE TANK (S-32)	643-29G	33, B-43
N-AREA SWWTP	607-17F	46, C-101
NEW SALVAGE YARD	741-G	48, C-107
ORANGEBURG SITE	761-2G	43, C-45
OLD ELLENTON RUBBLE PILE	NBN	45, C-71
P-AREA ACID/CAUSTIC BASIN	904-78G	32, B-35
P-AREA ASH BASIN	188-P	42, C-24
P-AREA BINGHAM PUMP OUT PIT	643-4G	49, D-5
P-AREA BURNING/RUBBLE PIT	131-P	29, A-8
P-AREA COAL PILE RUNOFF BASIN	189-P	31, B-10
P-AREA EROSION CONTROL SITE	131-1P	42, C-17
P-AREA SEEPAGE BASIN	904-61G	49, D-7
P-AREA SEEPAGE BASIN	904-6 3	49, D-7
P-AREA SEEPAGE BASIN	904-63G	49, D-7
P-AREA SWWTP	607-7-1P	46, C-101
P-AREA SWWTP	607-7-2P	46, C-101
PAR POND SLUDGE LAND APPLICATION SITE	761-5G	41, B-74
PAR POND PUMPHOUSE SEPTIC TANK	681-6G	46, C-101
PARKING LOT TYPE LIGHTS ON WILSON ROAD	NBN	45, C-72
PATTERSON MILL ROAD RUBBLE PILE	NBN	45, C-73
PCB STORAGE BUILDING	741-1G	33, B-48
PILE OF TELEPHONE/LIGHT POLES	NBN	45, C-84
PISTOL RANGE SEPTIC TANK	661-G	46, C-101
POND B DAM RUBBLE PILE	NBN	45, C-93
R-AREA ACID/CAUSTIC BASIN	904-77G	32, B-34
R-AREA ASBESTOS PIT	080-1R	42, C-3
R-AREA ASH BASIN	188-R	43, C-25
R-AREA BINGHAM PUMP OUT PIT	643-8G	49, D-5
R-AREA BINGHAM PUMP OUT PIT	643-9G	49, D-5
R-AREA BINGHAM PUMP OUT PIT	643-10G	49, D-5
R-AREA BURNING/RUBBLE PIT	131-R	31, B-8

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Unit Name	Building Number	Page Numbers*
R-AREA BURNING/RUBBLE PIT	131-1R	31, B-8
R-AREA RUBBLE PILE	631-25G	44, C-64
R-AREA RUBBLE PIT	131-2R	42, C-18
R-AREA SEEPAGE BASIN	904-57G	49, D-7
R-AREA SEEPAGE BASIN	904-58G	49, D-7
R-AREA SEEPAGE BASIN	904-59G	49, D-7
R-AREA SEEPAGE BASIN	904-60G	49, D-7
R-AREA SEEPAGE BASIN	904-103G	49, D-7
R-AREA SEEPAGE BASIN	904-104G	49, D-7
RECREATION AREA #2 RUBBLE PILE	NBN	45, C-80
RISHER ROAD RUBBLE PILE	NBN	45, C-79
RISHER ROAD RUBBLE PILE #2	NBN	45, C-89
RISHER ROAD OPEN METAL PIT	631-17G	44, C-67
RIVER PUMPHOUSE SEPTIC TANK	681-1G	46, C-101
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ROAD 9 AT GATE 23 RUBBLE PILE	NBN	45, C-88
ROAD 9 RUBBLE PILE	NBN	45, C-87
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ROAD F SITE	761-7G	44, C-48
ROBBINS STATION ROAD RUBBLE PILE	NBN	45, C-90
RR CLASSIFICATION YARD SEPTIC TANK	681-G	46, C-101
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RUBBLE PILE NEAR JUNCTION US 278 & GE ROAD 103	NBN	45, C-78
RUBBLE PILE - BRAGG BAY ROAD	631-14G	44, C-65
RUBBLE PILE - CEMETERY ROAD	631-11G	44, C-65
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RUBBLE PILE B/W CEMETERY & BRAGG	631-12G	44, C-65
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S-AREA SWWTP	607-2S	46, C-101
SALVAGE YARD	740-A	48, C-105
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SATELLITE/STAGING AREA	105-3K	37, B-59
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SATELLITE/STAGING AREA	671-T	39, B-59
SATELLITE/STAGING AREA	674-T	39, B-59
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SATELLITE/STAGING AREA	773-45A	39, B-59

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SATELLITE/STAGING AREA	618-G	39, B-59
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SATELLITE/STAGING AREA	681-1G	40, B-59
SATELLITE/STAGING AREA	681-3G	40, B-59
SATELLITE/STAGING AREA	247-F	40, B-59
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SATELLITE/STAGING AREA	247-F	40, B-59
SATELLITE/STAGING AREA	247-F	40, B-59
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SATELLITE/STAGING AREA	NBN (S-AREA)	40, B-59
SATELLITE/STAGING AREA	NBN (S-AREA)	40, B-59
SATELLITE/STAGING AREA	210-1Z	40, B-59
SATELLITE/STAGING AREA	210-2Z	40, B-59
SATELLITE/STAGING AREA	631-18G	44, C-67
SCRAP METAL PILE	761-8G	44, C-49
SECOND PAR POND SITE	703-43A	36, B-57
SILVER RECOVERY FACILITY	731-3A	29, A-16
SILVERTON ROAD WASTE SITE	NBN	45, C-96
SILVERTON ROAD WASTE TANK PLUGS	761-9G	44, C-54
SREL RUBBLE PILE	NBN	44, C-54
SREL RUBBLE PILE	631-9G	44, C-68
SRFS RUBBLE PILE	776-A	33, B-49
SRL LOW-LEVEL ACTIVITY RAD TANKS	080-16G	31, B-3
SRL OIL TEST SITE	904-53G1	32, B-31
SRL SEEPAGE BASIN		

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SRL SEEPAGE BASIN	904-54G	32, B-31
SRL SEEPAGE BASIN	904-55G	32, B-31
STADIA LIGHTS WITH POLES	NBN	45, C-76
SUBSTATION 51 EROSION CONTROL SITE	080-27G	42, C-8
TANKS WIMT-052 - WIMT-073	643-G	50, D-11
TANKS WIMT-074 - WIMT-081 (EXCLUDING T-080)	643-7G	50, D-12
TC-1 (IMHOFF TANK) SEPTIC TANK	704-U	47, C-101
TCU RUBBLE PILE	NBN	45, C-95
TNX BURYING GROUND	643-5G	43, C-39
TNX RUBBLE PILE	NBN	45, C-97
TNX SEEPAGE BASIN (NEW)	904-102G	44, B-39
TNX SEEPAGE BASIN (OLD)	904-76G	30, A-28
TNX-AREA SWWTP	607-40G	46, C-101
U-AREA SWWTP	607-1U	46, C-101
UN-NUMBERED GUN EMPLACEMENT RUBBLE PILE	NBN	45, C-83
WASTE FARM CONTROL HOUSE SEPTIC TANK	241-F	46, C-101
WASTE HANDLING CONTROL HOUSE SEPTIC TANK	776-A	47, C-101
WEST OF SREL "GEORGIA FIELDS" SITE	631-19G	30, A-44
WILLISTON GATEHOUSE SEPTIC TANK	701-4G	47, C-101
3G PUMPHOUSE EROSION CONTROL SITE	631-8G	43, C-38
40-ACRE HARDWOOD SITE	761-G	43, C-43
100-C SEPTIC TANK	NBN	47, C-101
100-K SEPTIC TANK	NBN	47, C-101
716-A MOTOR SHOP SEEPAGE BASIN	904-101G	44, C-58
723-A MET LAB BASIN	904-110G	30, A-32

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TABLE A (SHEET 1 OF 2)

**SOLID WASTE MANAGEMENT UNITS HAVING RECEIVED HAZARDOUS WASTE OR HAZARDOUS CONSTITUENTS
WITH A KNOWN RELEASE TO THE ENVIRONMENT**

WASTE DISPOSAL SITES

Unit Name	Building No.	SRP Coordinates North East	Dates of Waste Receipt	Appendix Page Number
CMP PITS ¹	080-17G	N51541	1971 - 1979	A-2
CMP PITS ¹	080-17.1G	N51599	1971 - 1979	A-2
CMP PITS ¹	080-18G	N51546	1971 - 1979	A-2
CMP PITS ¹	080-18.1G	N51589	1971 - 1979	A-2
CMP PITS ¹	080-18.2G	N51635	1971 - 1979	A-2
CMP PITS ¹	080-18.3G	N51650	1971 - 1979	A-2
CMP PITS ¹	080-19G	N51503	1971 - 1979	A-2
CMP PITS ¹	131-C	N68612	1951 - 1973	A-4
C-Area BURNING/RUBBLE PIT ¹	131-K	N54503	1951 - 1978	A-6
K-Area BURNING/RUBBLE PIT ¹	131-P	N45512	1951 - 1978	A-8
P-Area BURNING/RUBBLE PIT ¹	231-F	N79332	1951 - 1980	A-10
F-Area BURNING/RUBBLE PIT ¹	231-1F	N79335	1951 - 1978	A-10
F-Area BURNING/RUBBLE PIT ¹	731-A	N98850	1951 - 1979	A-12
A-Area BURNING/RUBBLE PIT ¹	731-1A	N98970	1951 - 1979	A-14
A-Area BURNING/RUBBLE PIT ¹	731-3A	N103225	UNKNOWN - 1974	A-16
SILVERTON ROAD WASTE SITE ¹	740-G	N84559	1974 - PRESENT	A-18
SANITARY LANDFILL ²	904-41G	N74778	1955 - NOV 1988	A-20
F-Area SEEPAGE BASIN ⁵	904-42G	N75640	1955 - NOV 1988	A-20
F-Area SEEPAGE BASIN ⁵	904-43G	N75465	1955 - NOV 1988	A-20
F-Area SEEPAGE BASIN ⁵	904-44G	N72218	1955 - NOV 1988	A-22
H-Area SEEPAGE BASIN ⁵	904-45G	N72127	1955 - NOV 1988	A-22
H-Area SEEPAGE BASIN ⁵	904-56G	N71700	1962 - NOV 1988	A-26
H-Area SEEPAGE BASIN ⁵	904-51G	N102151	1958 - 1985	A-24
M-Area SETTLING BASIN ⁵	904-46G	N71850	1955 - 1962	A-22

¹Potential CERCLA site (Letter, Mares to Thomas, 5/31/84).

²No records indicate hazardous waste or hazardous constituents receipt. Unit included because groundwater monitoring at similar sites has detected hazardous constituents.

⁵RCRA Interim Status Unit.

TABLE A (SHEET 2 OF 2)

**SOLID WASTE MANAGEMENT UNITS HAVING RECEIVED HAZARDOUS WASTE OR HAZARDOUS CONSTITUENTS
WITH A KNOWN RELEASE TO THE ENVIRONMENT**

WASTE DISPOSAL SITES

Unit Name	Building No.	SRP Coordinates North East	Dates of Waste Receipt	Appendix Page Number
TXN SEEPAGE BASIN (OLD) ¹	904-76G	N11028 E16939	1958 - 1960	A-34
L-AREA OIL AND CHEMICAL BASIN ¹	904-83G	N45290 E51000	1961 - 1979	A-30
723-A MET LAB BASIN	904-110G	N104144 E51556	1956 - 1985	A-32
LOST LAKE ⁵	904-112G	N101000 E47000	1958 - 1985	A-24
MISC. CHEMICAL BASIN	731-5A	N97700 E44500	1965 - 1974	A-28
M-AREA WEST	631-21G	N105000 E39000	UNKNOWN	A-36
GRACE ROAD SITE	631-22G	NB3000 E39000	UNKNOWN	A-38
GUNSITE 218 RUBBLE PILE	631-23G	N41000 E80500	UNKNOWN	A-40
GUNSITE 113 ACCESS ROAD SITE	631-24G	N66000 E118000	UNKNOWN	A-42
WEST OF SREL "GEORGIA FIELDS" SITE	631-19G	N76000 E21000	UNKNOWN	A-44
K-AREA RUBBLE PILE	631-20G	N54400 E42720	UNKNOWN	A-46
F-Area Clay Lateral to ETF	NBN		FEB 1989	A-48

¹Potential CERCLA Site (Letter, Mares to Thomas, 5/31/84).

⁵RCRA Interim Status Unit.

TABLE B (SHEET 1 OF 11)

**SOLID WASTE MANAGEMENT UNITS HAVING RECEIVED HAZARDOUS WASTE OR HAZARDOUS CONSTITUENTS
WITH NO KNOWN RELEASE TO THE ENVIRONMENT**

WASTE DISPOSAL SITES

Unit Name	Building No.	SRP Coordinates North East	Dates of Waste Receipt	Appendix Page Number
• SRL OIL TEST SITE ¹	080-16G	N61922	1975 - 1976	B-3
• L-AREA BURNING/RUBBLE PIT ¹	131-L	N48492	1951 - 1978	B-5
• L-AREA RUBBLE PIT ³	131-1L	N46350	UNKNOWN	B-6
• R-AREA BURNING/RUBBLE PIT ^{1,2}	131-R	N54577	1951 - 1958	B-8
• R-AREA BURNING/RUBBLE PIT ^{1,2}	131-1R	N54534	1951 - 1958	B-8
• K-AREA COAL PILE RUNOFF BASIN ³	189-K	N53000	1981 - PRESENT	B-9
• P-AREA COAL PILE RUNOFF BASIN ³	189-P	N42106	1978 - PRESENT	B-10
• F-AREA RUBBLE PIT ¹	231-2F	N79122	UNKNOWN	B-11
• BURMA ROAD RUBBLE PIT ³	231-4F	N77376	19736 - 19836	B-12
• H-AREA COAL PILE RUNOFF BASIN ³	289-H	N71155	1981 - PRESENT	B-13
• D-AREA BURNING/RUBBLE PIT ^{1,2}	431-D	N66544	1951 - 1980	B-14
• D-AREA BURNING/RUBBLE PIT ²	431-1D	N66504	1951 - 1980	B-14
• D-AREA COAL PILE RUNOFF BASIN ³	489-D	N63200	1978 - PRESENT	B-15
• D-AREA OIL SEEPAGE BASIN ¹	631-G	N68500	1952 - 1975	B-16
• CS BURNING/RUBBLE PIT ¹	631-1G	N64600	19516 - 19786	B-17
• CS RUBBLE PIT ^{1,3}	631-3G	N65095	19736 - 1983	B-18
• CS BURNING/RUBBLE PIT ^{1,2}	631-5G	N64700	19516 - 19786	B-19
• CS BURNING/RUBBLE PIT ^{1,2}	631-6G	N60365	19516 - 19786	B-20
• OLD RW BURIAL CROUND ¹	643-G	N73896	1952 - 1974	B-21
• PRESENT RW BURIAL GROUND ³	643-7G	N75020	1974 - PRESENT	B-23
• MW MANAGEMENT FACILITY	643-28G	N75860	1972 - 1986	B-24
• A-AREA RUBBLE PIT ^{1,3}	731-2A	N99100	1979 - 1983	B-26

¹Potential CERCLA site (Letter, Mares to Thomas, 5/31/84).

²No records indicate hazardous waste or hazardous constituents receipt. Unit included because groundwater monitoring at similar sites has detected hazardous constituents.

³Hazardous constituents only.

⁶Estimated location or date.

TABLE B (SHEET 2 OF 11)

**SOLID WASTE MANAGEMENT UNITS HAVING RECEIVED HAZARDOUS WASTE OR HAZARDOUS CONSTITUENTS
WITH NO KNOWN RELEASE TO THE ENVIRONMENT**

WASTE DISPOSAL SITES

Unit Name	Building No.	SRP Coordinates North East	Dates of Waste Receipt	Appendix Page Number
• G-AREA OIL SEEPAGE BASIN	761-13G		UNKNOWN	B-28
• F-AREA SEEPAGE BASIN (OLD) ¹	904-49G	N75485	1954 - 1955;; 1969; 1984 ⁷	B-29
• SRL SEEPAGE BASIN ³	904-53G1	N105510	1954 - 1982	B-31
• SRL SEEPAGE BASIN ³	904-53G2	N105552	1954 - 1982	B-31
• SRL SEEPAGE BASIN ³	904-54G	N105840	1958 - 1982	B-31
• SRL SEEPAGE BASIN ³	904-55G	N105636	1960 - 1982	B-31
• F-AREA ACID/CAUSTIC BASIN	904-74G	N78109	1955 - 1987	B-32
• H-AREA ACID/CAUSTIC BASIN	904-75G	N78109	1955 - 1986	B-33
• R-AREA ACID/CAUSTIC BASIN ¹	904-77G	N55113	1955 - 1964	B-34
• P-AREA ACID/CAUSTIC BASIN	904-78G	N43540	1955 - 1982	B-35
• L-AREA ACID/CAUSTIC BASIN ¹	904-79G	N45300	1955 - 1968	B-36
• K-AREA ACID/CAUSTIC BASIN	904-80G	N53185	1955 - 1982	B-37
• FORD BUILDING SEEPAGE BASIN ³	904-91G	N60685	1964 - 1984	B-38
• TNX SEEPAGE BASIN (NEW)	904-102G	N71105	1980 - PRESENT	B-39

¹Potential CERCLA site (Letter, Mares to Thomas, 5/31/84).

³Hazardous constituents only.

⁷1984 release was low level contaminated water.

TABLE B (SHEET 3 OF 11)

**SOLID WASTE MANAGEMENT UNITS HAVING RECEIVED HAZARDOUS WASTE OR HAZARDOUS CONSTITUENTS
WITH NO KNOWN RELEASE TO THE ENVIRONMENT**

STORAGE TANKS/BUILDINGS

Unit Name	Building No.	SRP COORDINATES		Dates of Waste Receipt	Appendix Page Number
		North	East		
• M-AREA PROCESS WASTE INTERIM TREATMENT/STORAGE FACILITY ⁵	341-1M	N1050006	E485006	1985 - PRESENT	B-41
• D-AREA WASTE OIL FACILITY ⁴	484-D	N653976	E212706	1953 - PRESENT	B-42
• MW STORAGE TANK (S-32) ⁵	643-29G	N76067	E58688	1983 - PRESENT	B-43
• MW STORAGE BUILDING ⁵	643-29G	N73820	E58830	1987 - PRESENT	B-44
• HW STORAGE BUILDING ⁵	709-G	N64770	E50220	1983 - PRESENT	B-46
• HW STORAGE BUILDING ⁵	709-2G	N64610	E50110	1987 - PRESENT	B-46
• HW STORAGE BUILDING ⁵	709-4G	N64770	E50110	1984 - PRESENT	B-46
• HW STORAGE BUILDING ⁵	710-U	N87220	E42640	1980 - PRESENT	B-46
• HW STORAGE BUILDING ³	741-1G	N650006	E490006	1981 - PRESENT	B-48
• PCB STORAGE BUILDING ³	776-A	N1070006	E520006	1954 - PRESENT	B-49
• SRL LOW-LEVEL ACTIVITY TANKS ³					

³Hazardous constituents only.

⁴Hazardous waste under South Carolina but not Federal regulations (waste oil).

⁵Included under Table B for information purposes.

⁶RCRA Interim Status Unit.

⁷Estimated location or date.

TABLE B (SHEET 4 OF 11)

SOLID WASTE MANAGEMENT UNITS HAVING RECEIVED HAZARDOUS WASTE OR HAZARDOUS CONSTITUENTS
WITH NO KNOWN RELEASE TO THE ENVIRONMENT

PROCESS TANKS

Unit Name	Building No.	SRP Coordinates		Dates of Waste Receipt	Appendix Page Number
		North	East		
• HIGH-LEVEL RADIOACTIVE TANKS	241-F	N77100	E52800	1954 - PRESENT	B-51
• HIGH-LEVEL RADIOACTIVE TANKS	241-H	N71300	E62000	1955 - PRESENT	B-51

TABLE B (SHEET 5 OF 11)

**SOLID WASTE MANAGEMENT UNITS HAVING RECEIVED HAZARDOUS WASTE OR HAZARDOUS CONSTITUENTS
WITH NO KNOWN RELEASE TO THE ENVIRONMENT**

WASTEWATER TREATMENT UNITS

Unit Name	Building No.	SRP Coordinates		Dates of Waste Receipt	Appendix Page Number
		North	East		
• M-AREA LIQUID EFFLUENT TREATMENT FACILITY	313-M			1985 - PRESENT	B-54
• M-AREA LIQUID EFFLUENT TREATMENT FACILITY	341-M	N105000 ⁶	E48500 ⁶	1985 - PRESENT	B-54

TABLE B (SHEET 6 OF 11)

SOLID WASTE MANAGEMENT UNITS HAVING RECEIVED HAZARDOUS WASTE OR HAZARDOUS CONSTITUENTS
WITH NO KNOWN RELEASE TO THE ENVIRONMENT

WASTE RECYCLING UNITS

Unit Name	Building No.	SRP Coordinates		Dates of Waste Receipt	Appendix Page Number
		North	East		
• MERCURY RECLAMATION FACILITY	773-A	N106200	E51525	1966 - PRESENT	B-56
• SILVER RECOVERY FACILITY	703-43A	N106055	E50350	1985 - PRESENT	B-57

TABLE B (SHEET 7 OF 11)

**SOLID WASTE MANAGEMENT UNITS HAVING RECEIVED HAZARDOUS WASTE OR HAZARDOUS CONSTITUENTS
WITH NO KNOWN RELEASE TO THE ENVIRONMENT**

SATELLITE/STAGING AREAS

Unit Name	Building No.	SRP Coordinates		Dates of Waste Receipt	Appendix Page Number
		North	East		
100-AREA	105-K			Sites are currently receiving waste	B-59
	105-K				B-59
	105-L				B-59
	105-L				B-59
	105-P				B-59
	105-P				B-59
	105-P				B-59
	105-P				B-59
	108-1K				B-59
	108-2K				B-59
	108-3K				B-59
	108-1L				B-59
	108-2L				B-59
	108-1P				B-59
	108-2P				B-59
	108-3P				B-59
	184-K				B-59
200-AREA	211-F				B-59
	211-H				B-59
	221-F				B-59
	221-F				B-59
	221-F				B-59
	221-F				B-59
	221-F				B-59

TABLE B (SHEET 8 OF 11)

**SOLID WASTE MANAGEMENT UNITS HAVING RECEIVED HAZARDOUS WASTE OR HAZARDOUS CONSTITUENTS
WITH NO KNOWN RELEASE TO THE ENVIRONMENT**

SATELLITE/STAGING AREAS

Unit Name	Building No.	SRP Coordinates		Dates of Waste Receipt	Appendix Page Number
		North	East		
200-AREA	221-1F			Sites are currently receiving waste	B-59
	221-H				B-59
	221-H				B-59
	221-H				B-59
	221-H				B-59
	221-H				B-59
	232-H				B-59
	232-H				B-59
	254-5F				B-59
	254-5H				B-59
	284-H				B-59
	292-F				B-59
	299-H				B-59
	704-H				B-59
	772-F				B-59
300-AREA	313-M				B-59
	313-M				B-59
	313-M				B-59
	320-M				B-59
	321-M				B-59
	321-M				B-59
400-AREA	341-M				B-59
	484-D				B-59

TABLE B (SHEET 9 OF 11)

**SOLID WASTE MANAGEMENT UNITS HAVING RECEIVED HAZARDOUS WASTE OR HAZARDOUS CONSTITUENTS
WITH NO KNOWN RELEASE TO THE ENVIRONMENT**

SATELLITE/STAGING AREAS

Unit Name	Building No.	SRP Coordinates		Dates of Waste Receipt	Appendix Page Number
		North	East		
600-T AREA 674-T	671-T			Sites are currently receiving waste	B-59
	674-T				B-59
	674-T				B-59
	677-T				B-59
	677-T				B-59
	682-T				B-59
700-AREA	704-B				B-59
	723-A				B-59
	723-A				B-59
	723-A				B-59
	735-A				B-59
	749-A				B-59
	749-A				B-59
	773-A				B-59
	773-45A				B-59
	773-45A				B-59
CS-AREA	776-9A				B-59
	789-A				B-59
	618-G				B-59
	710-G				B-59
	710-G				B-59
	711-A				B-59
	716-A				B-59
	CS				B-59
	CS				B-59

TABLE B (SHEET 10 OF 11)

**SOLID WASTE MANAGEMENT UNITS HAVING RECEIVED HAZARDOUS WASTE OR HAZARDOUS CONSTITUENTS
WITH NO KNOWN RELEASE TO THE ENVIRONMENT**

SATELLITE/STAGING AREAS

Unit Name	Building No.	SRP Coordinates		Dates of Waste Receipt	Appendix Page Number
		North	East		
600-C AREA	681-1C			Sites are currently receiving waste	B-59
	681-3G				B-59
NAVAL FUELS	247-F				B-59
	247-F				B-59
	247-F				B-59
	247-F				B-59
S-AREA	Concrete Plant				B-59
	Trans. Rep. Shop				B-59
	Plant Storage				B-59
200-Z AREA	210-1Z				B-59
	210-1Z				B-59

TABLE B (SHEET 11 OF 11)

**SOLID WASTE MANAGEMENT UNITS HAVING RECEIVED HAZARDOUS WASTE OR HAZARDOUS CONSTITUENTS
WITH NO KNOWN RELEASE TO THE ENVIRONMENT**

OTHER UNITS

Unit Name	Building No.	SRP Coordinates North East	Dates of Waste Receipt	Appendix Page Number
M-AREA AIR STRIPPER	323-M	N103843 E19313	1985 - PRESENT	B-69
BETA-GAMMA INCINERATOR ⁴	230-H	N72641 E63896	1985 - 1988	B-70
CENTRAL SHOPS SLUDGE LAGOON	080-24G	N61400 E50300	1955 ⁶ - 1988	B-72
K-AREA SLUDGE LAND APPLICATION	761-46	N47000 E40000	1980	B-73
SITE				
PAR POND SLUDGE LAND APPLICATION	761-56	N39000 E75500	1980	B-74
SITE				

⁴Hazardous waste under South Carolina but not Federal regulations (waste oil).
Included under Table B for information purposes.

⁶Estimated location or date.

TABLE C (SHEET 1 OF 7)

SOLID WASTE MANAGEMENT UNITS HAVING RECEIVED NO HAZARDOUS WASTE OR HAZARDOUS CONSTITUENTS

WASTE DISPOSAL SITES

Unit Name	Building No.	SRP Coordinates North East	Dates of Waste Receipt	Appendix Page Number
• R-AREA ASBESTOS PIT	080-1R	N57120	1980 - 1981	C-3
• D-AREA ASBESTOS PIT	080-20G	N66747	1973 - 1974	C-3
• C-AREA ASBESTOS PIT	080-21G	N69212	1978 - 1980	C-4
• C-AREA ASBESTOS PIT	080-22G	N69212	1980 - 1984	C-5
• H-AREA EROSION CTRL SITE	080-25G	N71000	19806 - PRESENT	C-6
• L-AREA EROSION CTRL SITE	080-26G	N50500	19806 - PRESENT	C-7
• SUBSTATION 51 EROSION CTRL SITE	080-27G	N76000	UNKNOWN	C-8
• F-AREA EROSION CTRL SITE	080-28G	N79900	19806 - 1984	C-9
• GUNSITE 51 RUBBLE PILE	080-29G	N41600	UNKNOWN - 1986	C-10
• GUNSITE 102 RUBBLE PILE	080-30G	N74800	UNKNOWN	C-11
• GUNSITE 113 RUBBLE PILE	631-15G	N64750	UNKNOWN	C-11
• GUNSITE 72 RUBBLE PILE	080-31G	N80400	UNKNOWN - 1986	C-12
• C-AREA EROSION CTRL SITE	131-1C	N65430	UNKNOWN	C-13
• GAS CYLINDER DISPOSAL FACILITY	131-2L	N48459	UNKNOWN - 1977	C-14
• L-AREA RUBBLE PIT	131-3L	N50766	19736 - 19836	C-15
• L-AREA RUBBLE PIT	131-4L	N47612	19736 - 19836	C-16
• P-AREA EROSION CTRL SITE	131-1P	N45135	UNKNOWN	C-17
• R-AREA RUBBLE PIT	131-2R	N55742	UNKNOWN	C-18
• C-AREA ASH PILE	188-C	N69027	1954 - 1976	C-19
• C-AREA ASH PILE	188-1C	N69027	1976 - 1978	C-20
• C-AREA ASH PILE	188-2C	N68343	1978 - 1984	C-21
• K-AREA ASH BASIN	188-K	N53121	1954 - PRESENT	C-22
• L-AREA ASH BASIN	188-L	N49630	1953 - 1968	C-23
• P-AREA ASH BASIN	188-P	N41100	1953 - PRESENT	C-24

Estimated location or date.

NBN = No building number

TABLE C (SHEET 2 OF 7)

SOLID WASTE MANAGEMENT UNITS HAVING RECEIVED NO HAZARDOUS WASTE OR HAZARDOUS CONSTITUENTS

WASTE DISPOSAL SITES

Unit Name	Building No.	SRP Coordinates North East	Dates of Waste Receipt	Appendix Page Number
• R-AREA ASH BASIN	188-R	N54800	1953 - 1964	C-25
• C-AREA COAL PILE RUNOFF BASIN	189-C	N65400	UNKNOWN - 1984	C-26
• F-AREA SCRAP LUMBER PILE ¹	231-3F	N79400	1977 - PRESENT	C-27
• F-AREA ASH BASIN	288-F	N78095	1953 - 1985	C-28
• F-AREA ASH BASIN	288-1F	N77700	MID 1970's	C-29
• F-AREA ASH BASIN	288-H	N70156	1954 - PRESENT	C-30
• H-AREA ASH BASIN	289-F	N76769	UNKNOWN - 1985	C-31
• F-AREA COAL PILE RUNOFF BASIN	431-2D	N66393	UNKNOWN	C-32
• D-AREA RUBBLE PIT	488-D	N63800	1952 - PRESENT	C-33
• D-AREA ASH BASIN	488-1D	N62280	1977 - PRESENT	C-34
• D-AREA ASH BASIN	488-2D	N63800	1980 - PRESENT	C-35
• D-AREA ASH BASIN	631-2G	N65000	1975 - PRESENT	C-36
• CS SCRAP LUMBER PILE ¹	631-7G	N61922	UNKNOWN	C-37
• MISC. RUBBLE PILE ¹	631-8G	N67500	1980 - PRESENT	C-38
• 3G PUMPHOUSE EROS CTRL SITE	643-5G	N71332	1953	C-39
• TNX BURYING GROUND	643-11G	N61317	UNKNOWN	C-40
• FORD BUILDING WASTE SITE	731-4A	N97700	1960 - 1974	C-41
• METALS BURNING PIT ¹	731-6A	N102000	UNKNOWN	C-42
• A-AREA MISC. RUBBLE PILE	761-G	N515000	1981 ⁶	C-43
• 40-ACRE HARDWOOD SITE	761-1G	N83800	1981	C-44
• LOWER KATO ROAD SITE	761-2G	N84400	1981	C-45
• ORANGERBURG SITE	761-3G	N94800	1981	C-46
• LUCY SITE	761-6G	N84000	1981	C-47
• KATO ROAD SITE				

¹potential CERCLA site (Letter, Mares to Thomas, 5/31/84).⁶Estimated location or date.

TABLE C (SHEET 3 OF 7)

SOLID WASTE MANAGEMENT UNITS HAVING RECEIVED NO HAZARDOUS WASTE OR HAZARDOUS CONSTITUENTS

WASTE DISPOSAL SITES

Unit Name	Building No.	SRP Coordinates North East	Dates of Waste Receipt	Appendix Page Number
• ROAD F SITE	761-7G	N94200 E65700	1981	C-48
• SECOND PAR POND SITE	761-8G	N35400 E84000	1981 ⁶	C-49
• SREL RUBBLE PILE	761-9G	N99300 E70000	UNKNOWN	C-54
• SREL RUBBLE PILE	NRN	N99300 E70000	UNKNOWN	C-54
• A-AREA ASH PILE	788-A	N100761 E50622	1952 - 1979	C-55
• A-AREA ASH PILE ¹	788-2A	N98733 E44478	1979 - PRESENT	C-56
• A-AREA COAL PILE RUNOFF BASIN	788-3A	N102190 E51530	1978 - PRESENT	C-57
• 716-A MOTOR SHOP SEEPAGE BASIN	904-101G	N101900 E50300	1977 - 1983	C-58
• ROAD A CHEMICAL BASIN ¹	904-111G	N56200 E30300	UNKNOWN - 1974	C-59
• FIRE DEPT HOSE TRAINING FAC	904-113G	N60600 ⁶ E52500 ⁶	1979 - 1983	C-60
• EARTHEN BASIN ADJ. BLDG. 108-3P	131-1P	N46000 E51400	1955 ⁶ - 1983	C-61
• EARTHEN BASIN ADJ. BLDG. 108-3R	131-1R	N53200 E40200	1955 ⁶ - PRESENT	C-62
• L-AREA RUBBLE PILE	631-26G	-	UNKNOWN	C-63
• R-AREA RUBBLE PILE	631-25G	N54600 E77000	UNKNOWN	C-64
• RUBBLE PILE AT CEMETERY ROAD	631-11G	N101000 E80600	UNKNOWN - 1988	C-65
• RUBBLE PILE B/W CEMETERY & BRAGG	631-12G	N101800 E80000	UNKNOWN - 1988	C-65
• RUBBLE PILE AT ROAD 781.1	631-13G	N105800 E78000	UNKNOWN - 1988	C-65
• RUBBLE PILE AT BRAGG BAY ROAD	631-14G	N103800 E79300	UNKNOWN - 1988	C-65
• GUNSITE 720 RUBBLE PIT	631-16G	N80000 E27350	UNKNOWN	C-66
• RISHER ROAD OPEN METAL PIT	631-17G	N103500 E67000	UNKNOWN	C-67
• SCRAP METAL PILE	631-18G	N24000 E42700	UNKNOWN	C-67
• SRFS RUBBLE PILE	631-9G	N102200 E69100	UNKNOWN	C-68
• MEYERS MILL SIDING RUBBLE PILE	NRN	N30000 E50000	UNKNOWN - 1988	C-69
• B-AREA TOWER FOUNDATION	NRN	N85000 E40000	UNKNOWN	C-70
• OLD ELLENTON RUBBLE PILE	NRN	N68000 E26000	UNKNOWN	C-71

¹Potential CERCLA site (Letter, Mares to Thomas, 5/31/84).⁶Estimated location or date.

NRN = No building number

TABLE C (ET 4 OF 7)

SOLID WASTE MANAGEMENT UNITS HAVING RECEIVED NO HAZARDOUS WASTE OR HAZARDOUS CONSTITUENTS

WASTE DISPOSAL SITES

Unit Name	Building No.	SRP Coordinates North East	Dates of Waste Receipt	Appendix Page Number
• PARKING LOT TYPE LIGHTS ON WILSON ROAD	NBN	N39500 E20000	UNKNOWN	C-72
• PATTERSON MILL ROAD RUBBLE PILE	NBN	N12000 E7500	UNKNOWN	C-73
• MISC. TRASH AT SNAPP	NBN	N25000 E72000	UNKNOWN	C-74
• MISC. RUBBLE AT DUNBARTON	NBN	N31000 E67000	UNKNOWN	C-75
• STADIA LIGHTS WITH POLES	NBN	N35000 E75000	UNKNOWN	C-76
• GUNSITE 12 RUBBLE PILE	NBN	N55000 E91000	UNKNOWN - 1988	C-77
• RUBBLE PILE NEAR JUNCTION US 278 & GE 103 ROAD	NBN	N84000 E114000	UNKNOWN	C-78
• RISHER ROAD RUBBLE PILE	NBN	N106000 E67000	UNKNOWN	C-79
• RECREATION AREA #2 RUBBLE PILE	NBN	N110000 E66500	UNKNOWN	C-80
• GUN EMPLACEMENT 113 RUBBLE PILE	NBN	N67500 E115000	UNKNOWN - 1988	C-81
• GUN PLACEMENT 407A&407B RUBBLE PILE	NBN	N17500 E40000	UNKNOWN - 1988	C-82
• UN-NUMBERED GUN EMPLACEMENT RUBBLE PILE	NBN	N107000 E46000	UNKNOWN - 1988	C-83
• PILE OF TELEPHONE/LIGHT POLES	NBN	N43500 E54000	UNKNOWN	C-84
• GUNSITE 72 RUBBLE PILE	NBN	N80400 E22600	UNKNOWN - 1988	C-85
• RUBBLE PILE NORTH OF SRL	NBN	N104000 E51000	UNKNOWN	C-86
• ROAD 9 RUBBLE PILE	NBN	N31000 E53000	UNKNOWN	C-87
• ROAD 9 AT GATE 23 RUBBLE PILE	NBN	N10000 E43000	UNKNOWN	C-88
• RISHER ROAD RUBBLE PILE #2	NBN	N106000 ⁶ E67000 ⁶	UNKNOWN	C-89
• ROBBINS STATION ROAD RUBBLE PILE	NBN	N38500 E27000	UNKNOWN	C-90
• L-AREA SCRAP METAL AND WOOD	NBN	N40000 E54000	UNKNOWN	C-91
• ROAD 3 FOUNDATION RUBBLE PILE	NBN	N70000 E25000	UNKNOWN	C-92
• POND B DAM RUBBLE PILE	NBN	N55000 E88000	UNKNOWN	C-93
• RUBBLE PILE ACROSS FROM GUNSITE 12	NBN	N54000 E87500	UNKNOWN	C-94
• TCU RUBBLE PILE	NBN	N83500 E42500	UNKNOWN	C-95
• SILVERTON ROAD WASTE TANK PLUGS	NBN		UNKNOWN	C-96
• TNX RUBBLE PILE	NBN		UNKNOWN	C-97
• B-AREA SANITARY TREATMENT PLANT RUBBLE PILE	NBN	N86000 E42000	UNKNOWN	C-98
• IMHOFF TANK RUBBLE PILE	NBN	N83500 E42000	UNKNOWN	C-99

TABLE C (SHEET 5 OF 7)

SOLID WASTE MANAGEMENT UNITS HAVING RECEIVED NO HAZARDOUS WASTE OR HAZARDOUS CONSTITUENTS

SANITARY WASTE TREATMENT FACILITIES

Unit Name ^a	Building No.	SRP Coordinates North East	Dates of Waste Receipt	Appendix Page Number
• S-AREA SWWTP ⁸	607-1S			C-101
• S-AREA SWWTP ⁸	607-2S			C-101
• U-AREA SWWTP ⁸	607-1U			C-101
• A/M-AREA SWWTP ⁸	607-7-1A			C-101
• A/M-AREA SWWTP ⁸	607-7-2A	N10184.5 E50020		C-101
• P-AREA SWWTP	607-7-1P	N44387 E64858.75		C-101
• P-AREA SWWTP	607-7-2P			C-101
• D-AREA SWWTP	607-7D			C-101
• F-AREA SWWTP ⁸	607-7F	N65127.5 E19538.5		C-101
• H-AREA SWWTP	607-7H	N76686.54 E53408		C-101
• H-AREA SWWTP	607-21H	N72631 E61100		C-101
• L-AREA SWWTP	607-16L			C-101
• N-AREA SWWTP	607-17F			C-101
• K-AREA SWWTP	607-17K	N54299 E40266		C-101
• CS-AREA SWWTP ⁸	607-18G	N61173.21 E50804.87		C-101
• C-AREA SWWTP	607-20C			C-101
• TNX-AREA SWWTP ⁸	607-40G			C-101
• CS-AREA SWWTP ⁸	607-42G			C-101
• WASTE FARM CONTROL HOUSE ST	241-F	N71235 E17917		C-101
• PISTOL RANGE ST	661-G			C-101
• RR CLASSIFICATION YARD ST	681-G			C-101
• RIVER PUMPHOUSE ST	681-1G			C-101
• RIVER PUMPHOUSE ST	681-3G			C-101
• PAR POND PUMPHOUSE ST	681-6G			C-101
• ALLENDALE GATEHOUSE ST	701-2G			C-101
• BARNWELL GATEHOUSE ST	701-3G			C-101

⁸Have flow equalization basins.

ST = Septic Tank

SWWTP = Sanitary Wastewater Treatment Plant

TABLE C (Sheet 6 of 7)

SOLID WASTE MANAGEMENT UNITS HAVING RECEIVED NO HAZARDOUS WASTE OR HAZARDOUS CONSTITUENTS

SANITARY WASTE TREATMENT FACILITIES

Unit Name ^a	Building No.	SRP Coordinates North East	Dates of Waste Receipt	Appendix Page Number
• WILLISTON GATEHOUSE ST	701-4G			C-101
• AIKEN GATEHOUSE ST	701-5G			C-101
• AUGUSTA GATEHOUSE ST	701-6G			C-101
• TC-1 (IMHOFF TANK) ST	704-U			C-101
• LIMNOLOGY FIELD LABORATORY ST	735-2G			C-101
• FORESTRY - ECOLOGY ST	760-G			C-101
• WASTE HANDLING CONTROL HOUSE ST	776-A			C-101
• CMX-TNX ST	NBN			C-101
• 100-C ST	NBN			C-101
• 100-K ST	NBN			C-101
• ATTA SECURITY TRAINING FACILITY ST	NBN			C-101
• D-AREA GATEHOUSE ST	NBN			C-101
• FOREST SERVICE GATEHOUSE ST	NBN			C-101
• H-AREA GATEHOUSE ST	NBN			C-101
• H-AREA CONSTRUCTION OFFICES ST	NBN			C-101

NBN = No building number
ST = Septic Tank

TABLE C (SHEET 7 OF 7)

SOLID WASTE MANAGEMENT UNITS HAVING RECEIVED NO HAZARDOUS WASTE OR HAZARDOUS CONSTITUENTS

OTHER

Unit Name	Building No.	SRP Coordinates North East	Dates of Waste Receipt	Appendix Page Number
• DWP CONCRETE BATCH PLANT LAGOON	NBN	-	1985 - PRESENT	C-105
• SALVAGE YARD	740-A	N102600 E49550	1953 - 1988	C-106
• NEW SALVAGE YARD	741-G	N650006 E490006	1988 - PRESENT	C-107

NBN = No building number

TABLE D (SHEET 1 of 2)

WASTE MANAGEMENT UNITS HAVING RECEIVED SOURCE, SPECIAL NUCLEAR, OR BYPRODUCT MATERIAL ONLY
WASTE DISPOSAL SITES

Unit Name	Building No.	SRP Coordinates North East	Dates of Waste Receipt	Appendix Page Number
• F-AREA RETENTION BASIN	281-3F	N71490	1955 - 1973	D-3
• H-AREA RETENTION BASIN	281-3H	N76322	1955 - 1973	D-3
• F-AREA RETENTION BASIN	281-8F	N76130	1973 - PRESENT	D-4
• H-AREA RETENTION BASIN	281-8H	N71517	1973 - PRESENT	D-4
• K-AREA BINGHAM PUMP OUT PIT	643-1G	N52371	MAY TO SEPT 1957	D-5
• L-AREA BINGHAM PUMP OUT PIT	643-2G	N48811	SEPT TO NOV 1957	D-5
• L-AREA BINGHAM PUMP OUT PIT	643-3G	N48933	SEPT 1957 TO JAN 1958	D-5
• P-AREA BINGHAM PUMP OUT PIT	643-4G	N45388	JAN TO NOV 1958	D-5
• R-AREA BINGHAM PUMP OUT PIT	643-8G	N56959	APRIL TO OCT 1958	D-5
• R-AREA BINGHAM PUMP OUT PIT	643-9G	N56959	APRIL TO OCT 1958	D-5
• R-AREA BINGHAM PUMP OUT PIT	643-10G	N57224	APRIL TO OCT 1958	D-5
• R-AREA SEEPAGE BASIN	904-57G	N58584	1957 - 1960	D-7
• R-AREA SEEPAGE BASIN	904-58G	N58584	1957 - 1960	D-7
• R-AREA SEEPAGE BASIN	904-59G	N58508	1957 - 1960	D-7
• R-AREA SEEPAGE BASIN	904-60G	N58146	1958 - 1964	D-7
• P-AREA SEEPAGE BASIN	904-61G	N43551	1957 - 1970; 1978 - PRESENT	D-7
• P-AREA SEEPAGE BASIN	904-62G	N43564	1957 - 1970; 1978 - PRESENT	D-7
• P-AREA SEEPAGE BASIN	904-63G	N43561	1957 - 1970; 1978 - PRESENT	D-7
• L-AREA SEEPAGE BASIN	904-64G	N45210	1958 - 1969; 1985 - PRESENT	D-7
• K-AREA SEEPAGE BASIN	904-65G	N52371	1957 - 1960	D-7
• C-AREA SEEPAGE BASIN	904-66G	N67765	1957 - 1970; 1978 - PRESENT	D-7
• C-AREA SEEPAGE BASIN	904-67G	N67392	1957 - 1970; 1978 - PRESENT	D-7
• C-AREA SEEPAGE BASIN	904-68G	N67347	1957 - 1970; 1978 - PRESENT	D-7
• K-AREA SEEPAGE BASIN	904-88G	N55016	1965 - PRESENT	D-9
• R-AREA CONTAINMENT BASIN	904-103G	N57782	JUNE TO DEC 1957	D-7
• R-AREA SEEPAGE BASIN	904-104G	N58020	1957 - 1960	D-7

TABLE D (Sheet 2 of 2)

WASTE MANAGEMENT UNITS HAVING RECEIVED SOURCE, SPECIAL NUCLEAR, OR BYPRODUCT MATERIAL ONLY

STORAGE TANKS

Unit Name	Building No.	SRP Coordinates		Dates of Waste Disposal	Appendix Page Number
		North	East		
• TANKS WTMT-052 - WTMT-073	643-G	N73896	E58017	1955 - 1968	D-11
• TANKS WTMT-074 - WTMT-081 (EXCLUDING T-080)	643-7G	N75020	E57800	1974	D-12

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APPENDIX A

**SOLID WASTE MANAGEMENT UNITS HAVING RECEIVED A HAZARDOUS WASTE
OR HAZARDOUS CONSTITUENTS WITH A KNOWN RELEASE
TO THE ENVIRONMENT**

- **WASTE DISPOSAL SITES**

APPENDIX A WORKSHEET

Name of Unit(s)/Building No.(s)

CMP Pits/080-17G, 080-17.1G, 080-18G, 080-18.1G, 080-18.2G, 080-18.3G, 080-19G

A.1 Description of the unit:

Capacity 13,500 ft³ Dimensions each pit 10' - 15'
wide 10' deep,
40' - 50' long

Materials of construction

Excavated earthen pits

Other

Dates of waste receipt: 1971-1979.

A.2 Description of waste placed in the unit:

General

The site received oil, organic solvents, and small amounts of pesticides and toxic metals.

Hazardous Components

Estimated Quantity After Excavation

Trichloroethylene
Tetrachloroethylene
Hydrazine Compounds
Oil
Paint Solvents
Freon II

6 kg
280 kg
Unknown
Unknown
Unknown
<1 kg

A.3 Description of monitoring:

Ongoing

Quarterly detection monitoring of 21 wells. Data code is CMP
(DPSPU-88-30-1, Vol. II).

Planned

Continue ongoing monitoring

A.4 Summary of data (groundwater and/or soil) relating to the release of hazardous constituents:

Site Assessment Report

Chemicals, Metals and Pesticides Pits

September 18, 1986

CMF Pits Environmental Information Document, DPST-85-712

A.5 Corrective Actions:

Ongoing

In 1984, the pits were excavated and the majority of the contaminated material was removed. Free liquids were drummed and contaminated soil was placed in B-25 boxes. The material is currently being stored at the Hazardous Waste Storage Building, a RCRA permitted facility. The pits were backfilled with clean fill and capped.

Planned

This site is in the RFI Program.

APPENDIX A WORKSHEET

Name of Unit(s)/Building No.(s)

C-Area Burning/Rubble Pit/Bldg. 131-C

A.1 Description of the unit:

Capacity 87,500 ft³

Dimensions 25' x 350' x 10'

Materials of construction

Excavated earthen pit

Other

Date of waste receipt: 1951-1973. Covered 1975. Inactive

A.2 Description of waste placed in the unit:

General

Beginning in 1951, burnable waste (paper, lumber, oils, solvents) were collected and burned on a monthly basis. Burning in pits ceased in 1973, and the sites closed by placing a layer of soil over the ashes. Pits were then open to receive inert rubble only. Each pit was back-filled with soil when it reached capacity. Operating procedures were for the site to receive inert, nonhazardous materials after 1973.

Hazardous Components

Quantity

None known

A.3 Description of monitoring:

Ongoing

4 wells sampled quarterly. Data Code is CRP (DPSPU-88-30-1, Vol. II).
Ground penetrating radar was conducted 1988.

Planned

Continue ongoing monitoring. This site is in the RFI Program.

A.4 Summary of data (groundwater and/or soil) relating to the release of hazardous constituents:

Low levels of trichloroethylene, trans-1,2-dichloroethane, methylene chloride detected

A.5 Corrective Actions:

Ongoing

Soil cores taken to water table in fall 1988.

Planned

This site is in the RFI Program.

APPENDIX A WORKSHEET

Name of Unit(s)/Building No.(s)

K-Area Burning/Rubble Pit/Bldg. 131-K

A.1 Description of the unit:

Capacity 69,000 ft³ Dimensions 30' x 230' x 10'

Materials of construction

Excavated earthen pit

Other

Date of waste receipt: 1951-1978. Covered 1978. Inactive

A.2 Description of waste placed in the unit:

General

Beginning in 1951, burnable waste (paper, lumber, oils, solvents) were collected and burned on a monthly basis. Burning in pits ceased in 1973, and the sites closed by placing a layer of soil over the ashes. Pits were then open to receive inert rubble only. Each pit was back-filled with soil when it reached capacity. Operating procedures were for the site to receive inert, nonhazardous materials after 1973.

Hazardous Components

Quantity

None known

A.3 Description of monitoring:

Ongoing

4 wells sampled quarterly. Data Code is KRP (DPSPU-88-30-1, Vol. II). Ground penetrating radar was conducted 1988.

Planned

Continue ongoing monitoring. This site is in the RFI Program.

A.4 Summary of data (groundwater and/or soil) relating to the release of hazardous constituents:

Low levels of tetrachloroethylene, trichloroethylene,
trans-1,2-dichloroethane detected.

A.5 Corrective Actions:

Ongoing

Soil cores taken to water table in fall 1988.

Planned

Options being evaluated in sitewide management environmental impact
statement.

APPENDIX A WORKSHEET

Name of Unit(s)/Building No.(s)

P-Area Burning/Rubble Pit/Bldg. 131-P

A.1 Description of the unit:

Capacity 126,000 ft³

Dimensions 60' x 210' x 10'

Materials of construction

Excavated earthen pit

Other

Date of waste receipt: 1951-1978. Covered 1978. Inactive

A.2 Description of waste placed in the unit:

General

Beginning in 1951, burnable waste (paper, lumber, oils, solvents) were collected and burned on a monthly basis. Burning in pits ceased in 1973, and the sites closed by placing a layer of soil over the ashes. Pits were then open to receive inert rubble only. Each pit was back-filled with soil when it reached capacity. Operating procedures were for the site to receive inert, nonhazardous materials after 1973.

Hazardous Components

Quantity

None known

A.3 Description of monitoring:

Ongoing

4 wells sampled quarterly. Data Code in PRP (DPSPU-88-30-1, Vol. II). Ground penetrating radar was conducted 1988.

Planned

Continue ongoing monitoring. This site is in the RFI Program.

A.4 Summary of data (groundwater and/or soil) relating to the release of hazardous constituents:

Low levels of methylene chloride; tetrachloroethylene; trichloro-
ethylene; trans-1,2-dichloroethylene; 1,1,1-trichloroethane detected.

A.5 Corrective Actions:

Ongoing

Soil cores taken to water table in fall 1988.

Planned

This site is in the RFI Program.

APPENDIX A WORKSHEET

Name of Unit(s)/Building No.(s)

F-Area Burning/Rubble Pit/Bldgs. 231-F and 231-1F

A.1 Description of the unit:

Capacity 170,500 ft³
286,000 ft³

Dimensions 62' x 275' x 10'
88' x 325' x 10'

Materials of construction

Excavated earthen pits

Other

Date of waste receipt: 1951-1980, 1951-1978. 231-F covered prior to November 1980 and 231-1F covered 1978; both inactive.

A.2 Description of waste placed in the unit:

General

Beginning in 1951, burnable waste (paper, lumber, oils, solvents) were collected and burned on a monthly basis. Burning in pits ceased in 1973, and the sites closed by placing a layer of soil over the ashes. Pits were then open to receive inert rubble only. Each pit was back-filled with soil when it reached capacity. Operating procedures were for the site to receive inert, nonhazardous materials after 1973.

Hazardous Components

Quantity

None known

A.3 Description of monitoring:

Ongoing

4 wells sampled quarterly. Data Code is FBP (DPSPU-88-30-1, Vol. II). Ground penetrating radar was conducted 1988.

Planned

Continue ongoing monitoring. These sites are in the RFI Program.

A.4 Summary of data (groundwater and/or soil) relating to the release of hazardous constituents:

Low levels of carbon tetrachloride, trichloroethylene;
tetrachloroethylene detected.

A.5 Corrective Actions:

Ongoing

None

Planned

These sites are in the RFI Program. Soil corings to water table
scheduled for late summer 1989.

APPENDIX A WORKSHEET

Name of Unit(s)/Building No.(s)

A-Area Burning/Rubble Pit/Bldg. 731-A

A.1 Description of the unit:

Capacity 587,120 ft³

Dimensions 179' x 328' x 10'

Materials of construction

Excavated earthen pits

Other

Date of receipt: 1951-1979. Covered 1979. Inactive

A.2 Description of waste placed in the unit:

General

Beginning in 1951, burnable waste (paper, lumber, oils, solvents) were collected and burned on a monthly basis. Burning in pits ceased in 1973, and the sites closed by placing a layer of soil over the ashes. Pits were then open to receive inert rubble only. Each pit was back-filled with soil when it reached capacity. Operating procedures were for the site to receive inert, nonhazardous materials after 1973.

Hazardous Components

Quantity

None known

A.3 Description of monitoring:

Ongoing

4 wells sampled quarterly. Data Code in ARP (DPSPU-88-30-1, Vol. II).
Ground penetrating radar conducted 1988.

Planned

Continue ongoing monitoring. This site is in the RFI Program.

A.4 Summary of data (groundwater and/or soil) relating to the release of hazardous constituents:

Low levels of methylene chloride, trichloroethylene, tetrachloroethylene detected

A.5 Corrective Actions:

Ongoing

Soil cores taken to water table in fall 1988.

Planned

This site is in the RFI Program.

APPENDIX A WORKSHEET

Name of Unit(s)/Building No.(s)

A-Area Burning/Rubble Pit/Bldg. 731-1A

A.1 Description of the unit:

Capacity 177,320 cu ft.

Dimensions 31' x 572' x 10'

Materials of construction

Excavated earthen pits.

Other

Date of receipt: 1951-1979. Covered 1979. Inactive

A.2 Description of waste placed in the unit:

General

Beginning in 1951, burnable waste (paper, lumber, oils, solvents) were collected and burned on a monthly basis. Burning in pits ceased in 1973, and the sites closed by placing a layer of soil over the ashes. Pits were then open to receive inert rubble only. Each pit was back-filled with soil when it reached capacity. Operating procedures were for the site to receive inert, nonhazardous materials after 1973.

Hazardous Components

Quantity

None known

A.3 Description of monitoring:

Ongoing

4 wells sampled quarterly. Data Code in ARP (DPSPU-88-30-1, Vol. II).
Ground penetrating radar was conducted 1988.

Planned

Continue ongoing monitoring. This site is in the RFI Program.

A.4 Summary of data (groundwater and/or soil) relating to the release of hazardous constituents:

Low levels of methylene chloride, trichloroethylene, tetrachloroethylene detected.

A.5 Corrective Actions:

Ongoing

Soil cores taken to the water table in fall 1988.

Planned

This site is in the RFI Program.

APPENDIX A WORKSHEET

Name of Unit(s)/Building No.(s)

Silverton Road Waste Site/Bldg. 731-3A

A.1 Description of the unit:

Capacity 26,288m³

Dimensions 62m x 212m

Materials of construction

Native soil and vegetation

Other

Date of waste receipt: Unknown - 1974. Waste material was deposited on ground.

A.2 Description of waste placed in the unit:

General

Records show that the site received metal shavings, construction debris, tires, drums, tanks, and possibly asbestos; however, groundwater monitoring suggests the presence of the hazardous constituents lead, tetrachloroethylene, trichloroethylene, and trichloromethane.

Hazardous Components

Quantity

None known

A.3 Description of monitoring:

Ongoing

Quarterly monitoring of 30 wells; data code is SRW (DPSPU-88-30-1, Vol. II).

Planned

Continued monitoring is required by SCDHEC Consent Order 86-52-W. This site is in the RFI Program.

A.4 Summary of data (groundwater and/or soil) relating to the release of hazardous constituents:

Consent Order requires annual report submittal.

A.5 Corrective Actions:

Ongoing

None

Planned

Options being evaluated in sitewide waste management environmental impact statement. Corrective action will also be dependent on the results of the RCRA Facility Investigation.

APPENDIX A WORKSHEET

Name of Unit(s)/Building No.(s):

Sanitary Landfill/Bldg. 740-G

A.1 Description of the unit:

Capacity Approx. 100 acres

Dimensions Approx. 3275' x 1300'

Materials of construction

Excavated earthen trenches

Other

Date of waste receipt: 1974 - Present. Active.

A.2 Description of waste placed in the unit:

General

Paper, plastic, construction debris, empty cans, carcasses.

Hazardous Components

Quantity

None known

Unknown

A.3 Description of monitoring:

Ongoing

Quarterly monitoring 32 wells. Data code LFW (DPSPU-88-30-1, Vol. II).

Planned

Continue ongoing monitoring. This site is in the RFI Program.

A.4 Summary of data (groundwater and/or soil) relating to the release of hazardous constituents:

This site is permitted as a sanitary landfill by SCDHEC. Hazardous waste disposal is prohibited by procedure and as a permit condition. Waste separation is made at the site of generation. There are no records of hazardous wastes or hazardous constituents disposed of at this site; however, low levels of volatile organic compounds, including trichloroethylene, tetrachloroethylene, and 1,1,1-trichloroethane, have been detected in the groundwater. Monitoring well data code is LFW.

A.5 Corrective Actions:

Ongoing

None

Planned

None. This site is in the RFI Program.

APPENDIX A WORKSHEET

Name of Unit(s)/Building No.(s)

F-Area Seepage Basins/904-41G, 904-42G, 904-43G

A.1 Description of the unit:

Operating

Capacity	904-41G	1,500,000 gallons
	904-42G	3,000,000 gallons
	904-43G	15,800,000 gallons

Dimensions	904-41G	27m x 84m
	904-42G	27m x 161m
	904-43G	94m x 219m

Materials of construction

Excavated earthen basins

Other

Date of waste receipt: 1955 - November 1988.

A.2 Description of waste placed in the unit:

General

The site received liquid wastes containing low-level radioactivity and chemicals from the chemical separation facilities in the 200-Area.

Hazardous Components

Quantity

pH-Corrosivity - prior to
California List ban
Mercury

sometimes outside range
2.0 to 12.5
sometimes exceeds 0.2 ppm

A.3 Description of monitoring:

Ongoing

Quarterly monitoring of 70 RCRA wells. Data Code is FSB
(DPSPU-88-30-1, Vol. II).

Planned

Additional wells will be installed based upon the results of the seep
line sampling program.

A.4 Summary of data (groundwater and/or soil) relating to the release of hazardous constituents:

Groundwater contaminants consist primarily of tritium and nitrate.
Elevated levels of other hazardous constituents are limited.
Additional information is available in the Groundwater Quality
Assessment quarterly reports submitted to SCDHEC.

A.5 Corrective Actions:

Ongoing

Closure plan approved by SCDHEC in June 1989. Site is undergoing
closure involving stabilization, backfilling, and capping of the
basins.

Planned

A RCRA post-closure plan with an implementable corrective action plan
will be submitted to SCDHEC in December 1990.

APPENDIX A WORKSHEET

Name of Unit(s)/Building No.(s)

H-Area Seepage Basins/904-44G, 904-45G, 904-56G

A.1 Description of the unit:

Operating

Capacity	904-44G	1,110,000 gallons	Dimensions	904-44G	27m x 73m
	904-45G	2,800,000 gallons		904-45G	36m x 140m
	904-56G	22,600,000 gallons		904-56G	3.8E + 04m ²

Materials of construction

Excavated earthen basins

Other

Date of waste receipt: 1955 - November 1988; 1955 - November 1988;
1962 - November 1988.

A.2 Description of waste placed in the unit:

General

The site received liquid wastes containing low-level radioactivity and
chemicals from the chemical separation facilities in the 200-Area.

Hazardous Components

Quantity

Mercury
Chromium
pH - Corrosivity - prior to
California List ban

sometimes exceeds 0.2 ppm
sometimes exceeds 5.0 ppm
sometimes outside range
2.0 to 12.5

A.3 Description of monitoring:

Ongoing

Quarterly monitoring of 105 wells. Data code is HSB (DPSPU-88-30-1,
Vol. II).

Planned

Additional wells will be installed based upon the results of the seep
line sampling program.

A.4 Summary of data (groundwater and/or soil) relating to the release of hazardous constituents:

Groundwater contaminants consist primarily of tritium and nitrate.
Elevated levels of other hazardous constituents are limited.
Additional information is available in the Groundwater Quality
Assessment quarterly reports submitted to SCDHEC. See SRS's
application for a hazardous waste Part B Permit, Assessment Plan.

A.5 Corrective Actions:

Ongoing

Closure plan approved by SCDHEC in June 1989. Site is undergoing
closure involving stabilization, backfilling, and capping activities.

Planned

A RCRA post-closure plan with an implementable corrective action plan
will be submitted to SCDHEC in December 1990.

APPENDIX A WORKSHEET

Name of Unit(s)/Building No.(s)

M-Area Settling Basin and Vicinity and Lost Lake/904-51G and 904-112G

A.1 Description of the unit:

Capacity 8 MM gallons

Dimensions Basin: 279' x 331'
x 17'

Lost Lake: 25 acres

Seep Area: 3 acres

Ditch: 900' x 8'

Sewer: 48' Dia x 2000

Materials of construction

Excavated earthen basin and natural depression

Other

Date of waste receipt: 1958-1985. Permit No. SC1890008989, permitted
under South Carolina Hazardous Waste Management regulations.

R.61-79.265 and 264. Closure plan and Part B application were
approved March 1987 and September 1987, respectively.

A.2 Description of waste placed in the unit:

General

F006 - Electroplating operations

<u>Hazardous Components</u>	<u>Quantity</u>
<u>Trichloroethylene</u>	<u>170</u>
<u>Tetrachloroethylene</u>	<u>3,600</u>
<u>1,1,1-Trichloroethane</u>	<u>140</u>
<u>Lead</u>	<u>255</u>
<u>Chromium</u>	<u>269</u>
<u>Nickel</u>	<u>Unknown</u>

A.3 Description of monitoring:

Ongoing

Interim Status monitoring (8 wells at point of compliance, 6 background
wells) per R.61-79.265, Subpart F, Section 265.92, Assessment monitoring
(187) wells used for plume definition and corrective action monitoring)
per R.61-79.264, Subpart F, Section 264.100.

Planned

Compliance monitoring (16 wells at point of compliance, 6 background wells) per R.61-79.264, Subpart F, Section 264.99, Corrective Action monitoring (187 wells) per R.61-79.264, Subpart F, Section 264.100.

A.4 Summary of data (groundwater and/or soil) relating to the release of hazardous constituents:

An estimated 300,000 pounds of degreaser solvent (trichloroethylene, tetrachloroethylene, and 1,1,1-trichloroethane were released from the settling basin and other sources. The plume extends approximately 300 acres (within the 10 ppb contour) including unassociated areas where releases occurred (i.e., solvent storage tanks A-014 outfall). The highest concentration of total degreaser solvent in the plume is approximately 200 ppm near the settling basin. Sodium and nitrate have also been measured in the groundwater near the basin. Low concentrations of other hazardous chlorocarbons (degradation products) have been detected in the POC wells with high levels of trichloroethylene and tetrachloroethylene. Groundwater monitoring well data code is MSB, ASB, AMB, AC, AOB, ACB, ABP, MCB.

A.5 Corrective Actions:

Ongoing

An air stripper was selected as the groundwater remedial action based on field data, the type and extent of contamination, and the probability of success. A full-scale 400 gpm air stripper and recovery well network became operational in April 1985 after a successful prototype air stripper (50 gpm) had been tested. Volatile organic compound removal efficiency exceeds 99.99 percent. The air stripper system is operating within the emission and discharge limitations of its air quality and NPDES permits. Closure of the settling basin was initiated in 4/88.

Planned

Described in detail in the closure plan and post-closure permit approved by SCDHEC in September 1987. Closure was initiated in April 1988. Closure is 80% complete as of July 1989.

References

Closure Plan for the M-Area Settling Basin and Vicinity, DPSPU 84-11-11, Revision 3, March 1988.
Application for a Post-Closure Permit, M-Area Hazardous Waste Management Facility, Revision 1, October 1986.
SRP Hazardous Waste Permit No. SC1890008989, 9/30/87.

APPENDIX A WORKSHEET

Name of Unit(s)/Building No.(s)

H-Area Seepage Basin/904-46G

A.1 Description of the unit:

Capacity 9,470,000 gallons
maintains 2' of freeboard

Dimensions 146m x 107m

Materials of construction

Excavated earthen basin

Other

Date of waste receipt: 1955 - 1962.

A.2 Description of waste placed in the unit:

General

The site received liquid wastes containing low-level radioactivity and chemicals from the chemical separation facilities in the 200-Area.

Hazardous Components

Quantity

Mercury
Chromium
pH - Corrosivity

sometimes exceeded 0.2 ppm
sometimes exceeded 5.0 ppm
sometimes outside range
2.0 to 12.5

A.3 Description of monitoring:

Ongoing

Quarterly monitoring of 105 RCRA wells (same wells as for 904-44G, 904-45G, 904-56G). Data code HSB (DPSPU-88-30-1, Vol. II).

Planned

This site is in the RFI Program. Continued monitoring of 105 RCRA groundwater wells. Data code is HSB.

A.4 Summary of data (groundwater and/or soil) relating to the release of hazardous constituents:

Groundwater contaminants consist primarily of tritium and nitrate.
Elevated levels of mercury have been detected near this basin.
Additional information is available in the Groundwater Quality
Assessment quarterly reports submitted to SCDHEC. See SRS's
application for a hazardous waste Part B Permit - Assessment Plan.

A.5 Corrective Actions:

Ongoing

Closure plan approved by SCDHEC in June 1989. Site undergoing closure
which includes stabilization, backfilling, and capping activities.

Planned

A RCRA post-closure plan with an implementable correction action plan
will be submitted to SCDHEC in December 1990.

APPENDIX A WORKSHEET

Name of Unit(s)/Building No.(s):

TNX Seepage Basin (Old)/904-76G

A.1 Description of the unit:

Capacity settling section: _____

3750 ft³

basin: 74,750 ft³

Dimensions settling section: _____

25' x 35' x 10'

basin: 125' x 75'

10' deep

Materials of construction

Excavated earthen basin

Other

Date of waste receipt: 1958 - 1960. Rip-rap, vitrified pipeline
between 2 sections, and as overflow wier. A portion of the basin was
backfilled and paved over. Site includes basin overflow into swamp.

A.2 Description of waste placed in the unit:

General

This site received simulated process wastewater from pilot-scale tests
conducted at TNX in support of DWPF. Batch discharges were neutralized
for pH prior to release.

Hazardous Components

Quantity

None known

Unknown

A.3 Description of monitoring:

Ongoing

Quarterly monitoring 4 wells. Data code XSB (DPSPU-88-30-1, Vol. II).

Planned

Continue ongoing monitoring. This site is in the RFI Program.

A.4 Summary of data (groundwater and/or soil) relating to the release of hazardous constituents:

There are no records of hazardous wastes disposed of at this site.
Mercury has been detected in the groundwater and adjacent surface water.
Low levels of trichloroethylene, carbon tetrachloride, and chloroform
have been detected in the groundwater.

A.5 Corrective Actions:

Ongoing

None

Planned

This site is in the RFI Program.

APPENDIX A WORKSHEET

Name of Unit(s)/Building No.(s):

L-Area Oil and Chemical Basin/904-83G

A.1 Description of the unit:

Capacity 2300m³

Dimensions Top 36.6m x 24.4 m

Bot 30.5m x 18.3m

Depth 3.0m

Materials of construction

Excavated earthen basin

Other

Dates of waste receipt: 1961 - 1979. Basin walls sprayed with asphalt.

A.2 Description of waste placed in the unit:

General

This site received wastewater with low levels of radioactive oil and chemicals with no known hazardous constituents. All tested parameters were found at values less than EPA hazardous waste guidelines.

Hazardous Components

Quantity

None known

A.3 Description of monitoring:

Ongoing

Four groundwater monitoring wells are sampled quarterly. Data Code is LCO (DPSPU-88-30-1, Vol. II).

Planned

This site is in the RFI Program.

A.4 Summary of data (groundwater and/or soil) relating to the release of hazardous constituents:

Low levels of mercury and tetrachloroethylene detected in groundwater.

A.5 Corrective Actions:

Ongoing

None

Planned

This site is in the RFI Program.

APPENDIX A WORKSHEET

Name of Unit(s)/Building No.(s):

723-A Met. Lab Bas'n/Bldg. 904-110G

A.1 Description of the unit:

Capacity 453,072 liters

Dimensions 31m L x 12m W x 1.5m D

Materials of construction

Excavated earthen basin

Other

Date of waste receipt: 1956 - 1985. This site is inactive. Closure Plan is under SCDHEC review. Site includes overflow area into Carolina Bay.

A.2 Description of waste placed in the unit:

General

This site received effluents consisting of small quantities of laboratory wastes from metallographic sample preparation (degreasing, cleaning, etching and cyanide plating) and corrosion testing of stainless steels and nickel-based alloys; however, noncontact cooling water made up most of the flow. Laboratory Exclusion under 261.3(a)(IV)(E) of South Carolina Hazardous Waste Management Regulations. Permitting under 264 and closing under 265 per National Resources Defense Council lawsuit settlement.

Hazardous Components

Quantity

Solvents

Unknown

Cyanide

Unknown

A.3 Description of monitoring:

Ongoing

Quarterly groundwater monitoring 9 wells. Data Code is AMB (DPSPU-88-30-1, VOL II).

Planned

Continue ongoing monitoring.

A.4 Summary of data (groundwater and/or soil) relating to the release of hazardous constituents:

Low levels of trichloroethylene and methylene chloride detected in groundwater. Soil core data indicate above background level but below drinking water standards.

A.5 Corrective Actions:

Ongoing

None

Planned

Basin to be replaced by effluent treatment plant. Permit applications are being developed. Closure plan submitted to SCDHEC in June 1989. M-Area air stripper removes volatile organic compounds from groundwater under the basin.

APPENDIX A WORKSHEET

Name of Unit(s)/Building No.(s):

Miscellaneous Chemical Basin/Bldg. 731-5A

A.1 Description of the unit:

Capacity 25 m³ Dimensions 6m x 6m x 0.5m

Materials of construction

Excavated earthen pit.

Other

Dates of waste receipt: 1956-1974.

A.2 Description of waste placed in the unit:

General

No records are available. Waste oil and/or waste solvents may have been disposed at this location prior to closure in 1974.

Hazardous Components

Quantity

Unknown

A.3 Description of monitoring:

Ongoing

Groundwater monitoring wells were installed in 2nd and 3rd quarter 1987. DPSPU-86-30-1, VOL II incorrectly shows a well code, ABP, for this site. The same reference also interposed the facility building numbers. The well data code is MCB (DPSPU-88-30-1, VOL II). RFI Program is ongoing at this site. RFI plans have been issued; field work is near completion.

Planned

Continue ongoing monitoring. This site is in the RFI Program.

A.4 Summary of data (groundwater and/or soil) relating to the release of hazardous constituents:

Low levels of tetrachloroethylene and tetrachloroethylene detected in groundwater. Soil gas analyses have indicated the presence of tetrachloroethylene, trichloroethylene, and trans-1,2-dichloroethylene.

A.5 Corrective Actions:

Ongoing

None

Planned

This site is in the RFI Program.

APPENDIX A WORKSHEET

Name of Unit(s)/Building No.(s):

M-Area West/631-21G

A.1 Description of the unit:

Capacity N/A

Dimensions 10' x 10'

Materials of construction

Earthen area. Second growth pine forest.

Other

Date of waste receipt: Unknown.

This site is inactive.

A.2 Description of waste placed in the unit.

General

This site contains 6 empty, rusted 55 gallon drums (one labeled "Heavy Duty Engine Oil-SAE 30"), an empty paint can, and a few glass bottles.

Hazardous Components

Quantity

Unknown

A.3 Description of monitoring:

Ongoing

None. Soil gas survey was conducted April, 1988. Site screening plan is being revised.

Planned

This site is in the RFI Program.

A.4 Summary of data (groundwater and/or soil) relating to the release of hazardous constituents:

DPST-88-DRAFT, Soil Gas Surveys at Selected Potential Waste Sites at the Savannah River Plant.

A.5 Corrective Actions:

Ongoing

None

Planned

This site is in the RFI Program.

APPENDIX A WORKSHEET

Name of Unit(s)/Building No.(s):

Grace Road Site/631-22G

A.1 Description of the unit:

Capacity N/A

Dimensions Unknown

Materials of construction

Earthen area.

Other

Date of waste receipt: Unknown.

This site is inactive.

A.2 Description of waste placed in the unit:

General

This site contains numerous empty, partially rusted drums, buckets and old car parts. Several concrete slabs and foundations are present.

Hazardous Components

Quantity

Unknown

A.3 Description of monitoring:

Ongoing

None. Soil gas surveys conducted April, 1988. Ground penetrating radar was conducted in late summer 1988.

Planned

This site is in the RFI Program.

A.4 Summary of data (groundwater and/or soil) relating to the release of hazardous constituents:

DPST-88-DRAFT. Soil Gas Surveys at Selected Potential Waste Sites at
the Savannah River Plant.

A.5 Corrective Actions:

Ongoing

Sampling should begin October 1989.

Planned

This site is in the RFI Program.

APPENDIX A WORKSHEET

Name of Unit(s)/Building No.(s):

Gunsite 218 Rubble Pile/631-23G

A.1 Description of the unit:

Capacity N/A

Dimensions Unknown

Materials of construction

Earthen area.

Other

Dates of waste receipt: Unknown.

This site is inactive. Military personnel manned anti-aircraft gun emplacements from 1955 to 1957. Support facilities at the gunsites included barracks, mess halls, administration, buildings, underground fuel storage tanks and septic tanks.

A.2 Description of waste placed in the unit:

General

This site contains partially empty paint cans, paint thinner, scrap metal, concrete slabs. Partial remains of two sand bag bunker facilities are present. The gunsites were dismantled or abandoned in 1961. The buildings have been removed.

Hazardous Components

Quantity

A.3 Description of monitoring:

Ongoing

None. Soil gas survey conducted April 1988.

Planned

This site is in the RFI Program.

A.4 Summary of data (groundwater and/or soil) relating to the release of hazardous constituents:

DPST-88-DRAFT. Soil Gas Surveys at Selected Potential Waste Sites at
the Savannah River Plant.

A.5 Corrective Actions:

Ongoing

None

Planned

This site is in the RFI Program.

APPENDIX A WORKSHEET

Name of Unit(s)/Building No.(s):

Gunsite 113 Access Road Site/631-24G

A.1 Description of the unit:

Capacity N/A

Dimensions _____

Materials of construction

Earthen area.

Other

Date of waste receipt: Unknown. This site is inactive.

A.2 Description of waste placed in the unit:

General

This site is an area of stressed vegetation.

Hazardous Components

Quantity

Unknown

A.3 Description of monitoring:

Ongoing

Ground penetrating radar was conducted April 1988. Soil Gas Survey
conducted April 1988.

Planned

This site is in the RFI Program.

A.4 Summary of data (groundwater and/or soil) relating to the release of hazardous constituents:

DPST-88-DRAFT. Soil Gas Surveys at Selected Potential Waste Sites at the Savannah River Plant.

A.5 Corrective Actions:

Ongoing

None

Planned

This site is in the RFI Program.

APPENDIX A WORKSHEET

Name of Unit(s)/Building No.(s):

West of SREL "Georgia Fields" Site/631-19G

A.1 Description of the unit:

Capacity N/A

Dimensions Unknown

Materials of construction

Earthen area.

Other

Date of waste receipt: Unknown. This site is inactive.

A.2 Description of waste placed in the unit:

General

This site contains several empty 55 gallon drums, a wooden wire reel, burlap, scrap metal.

Hazardous Components

Quantity

Unknown

A.3 Description of monitoring:

Ongoing

None. Soil gas survey conducted April 1988.

Planned

This site is in the RFI Program.

A.4 Summary of data (groundwater and/or soil) relating to the release of hazardous constituents:

DPST-88-DRAFT. Soil Gas Surveys at Selected Potential Waste Sites at
the Savannah River Plant.

A.5 Corrective Actions:

Ongoing

None

Planned

This site is in the RFI Program. Site plan will be developed in
FY 1990. Characterization and cleanup will follow.

APPENDIX A WORKSHEET

Name of Unit(s)/Building No.(s):

K-Area Rubble Pile/631-20G

A.1 Description of the unit:

Capacity N/A Dimensions Unknown

Materials of construction

Earthen area.

Other

Dates of waste receipt: Unknown. This site is inactive.

A.2 Description of waste placed in the unit:

General

This site contains empty and partially rusted cans, drums, and buckets.
Mounds of dirt are scattered throughout the site.

Hazardous Components

Quantity

Unknown

A.3 Description of monitoring:

Ongoing

None. Soil gas surveys conducted April 1988.

Planned

This site is in the RFI Program.

A.4 Summary of data (groundwater and/or soil) relating to the release of hazardous constituents:

DPST-88-DRAFT. Soil Gas Surveys at Selected Potential Waste Sites at the Savannah River Plant.

A.5 Corrective Actions:

Ongoing

Draft Site Screening Plans to be submitted by late August 1989.
Sampling to occur late 1989.

Planned

This site is in the RFI Program.

APPENDIX A WORKSHEET

Name of Unit(s)/Building No.(s):

F-Area Clay Lateral to ETF/NBN

A.1 Description of the unit:

Capacity Flow through pipe Dimensions 8" dia. x 75'

Materials of construction

Vitrified clay pipe.

Other

A.2 Description of waste placed in the unit:

General

Evaporator overheads for F-Area separations evaporators.

Hazardous Components

Quantity

Mercury (possible)

Less than 50 ppm

pH

Less than 2

Nitric Acid

Low concentration

Radioactivity

Trace

TBP

Trace

NaOH

Low concentration

A.3 Description of monitoring:

Ongoing

Samples analyzed from initial excavation showed slightly high levels of mercury.

Planned

Soil cores along pipeline. Possible groundwater well.

A.4 Summary of data (groundwater and/or soil) relating to the release of hazardous constituents:

Soil showed slightly elevated levels of mercury.

A.5 Corrective Actions:

Ongoing

None

Planned

Soil cores and possible groundwater monitoring.

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APPENDIX B

SOLID WASTE MANAGEMENT UNITS HAVING RECEIVED HAZARDOUS WASTE OR HAZARDOUS CONSTITUENTS WITH NO KNOWN RELEASE TO THE ENVIRONMENT

- **WASTE DISPOSAL SITES**
- **STORAGE TANKS AND BUILDINGS**
- **PROCESS TANKS**
- **WASTEWATER TREATMENT UNITS**
- **WASTE RECYCLING UNITS**
- **SATELLITE/STAGING AREAS**
- **OTHER UNITS**

APPENDIX B

**SOLID WASTE MANAGEMENT UNITS HAVING RECEIVED HAZARDOUS WASTE OR
HAZARDOUS CONSTITUENTS WITH NO KNOWN RELEASE
TO THE ENVIRONMENT**

• WASTE DISPOSAL SITES

APPENDIX B WORKSHEET

Name of Unit(s)/Building No.(s)

SRL Oil Test Site/080-16G

B.1 Description of the unit:

Capacity N/A

Dimensions 2.8 hectares

Materials of construction

Native soil

Other

Dates of waste receipt: 1975 - 1976.

The SRL Oil Test Site consisted of twelve 3.7m x 10.7m test plots (total area of 475m²) and two 3m x 70m plots (total area of 420m²).

The site was used to study the biodegradation of waste oil (machine cutting oil, hydraulic fluid) and paint thinner. Waste oil and paint thinner was obtained from an offsite vendor.

B.2 Description of waste placed in the unit:

General

The site received machine cutting oil, hydraulic fluid and paint thinner.

<u>Hazardous Components</u>	<u>Quantity</u>
<u>Machine cutting oil*</u>	<u>100,000 pounds</u>
<u>Hydraulic fluid*</u>	<u>31,000 pounds</u>
<u>Paint thinner</u>	<u>38,000 pounds</u>

*Hazardous waste under South Carolina regulations but not Federal regulations. Included in Appendix B for information purposes.

B.3 Description of monitoring:

Ongoing

There is currently no groundwater monitoring program in effect at the site. Sediment analysis of these plots were conducted in 1975, 1976, 1977, and 1980 to determine the rates of vertical migration and biodegradation. Tests indicated 50% of the applied oil was lost from the soil profile through biodegradation. The oil was found at depths of 15-30 cm only.

Planned

This site is in the RFI Program.

B.4 Description of inspections and frequency:

None

APPENDIX B WORKSHEET

Name of Unit(s)/Building No.(s)

L-Area Burning/Rubble Pit/Bldg. 131-L

B.1 Description of the unit:

Capacity 66,700 cu. ft.

Dimensions 29' x 230' x 10'

Materials of construction

Excavated earthen pit

Other

Dates of waste receipt: 1951 - 1978. Covered 1978. Inactive.

B.2 Description of waste placed in the unit:

General

Beginning in 1951, burnable waste (paper, lumber, oils, solvents) were collected and burned on a monthly basis. Burning in pits ceased in 1973, and the sites closed by placing a layer of soil over the ashes. Pits were then open to receive inert rubble only. Each pit was back-filled with soil when it reached capacity. Operating procedures were for the site to receive inert, nonhazardous materials after 1973. Batteries may have been disposed of after 1973.

Hazardous Components/Quantity

There are no records which conclusively indicate hazardous constituent disposal. Results of groundwater monitoring (no indication of constituent release) supports the position of no hazardous constituent disposal. However, groundwater monitoring data from other similar pits does show constituent release which suggests that constituent waste disposal has occurred. Consequently, because similar wastes were disposed of in burning rubble pits throughout the site it is assumed that hazardous constituent waste disposal may have occurred in this pit.

B.3 Description of monitoring:

Ongoing

4 wells sampled quarterly. Data code is LRP (DPSPU-88-30-1, Vol. II). Ground penetrating radar was conducted 1988. Site screening was completed in 1988.

Planned

Continue ongoing monitoring. This site is in the RFI Program.

B.4 Description of inspections and frequency:

None

APPENDIX B WORKSHEET

Name of Unit(s)/Building No.(s):

L-Area Rubble Pit/Bldg. 131-1L

B.1 Description of the unit:

Capacity 110,000 cu. ft.

Dimensions 50' x 220' x 10'

Materials of construction

Excavated earthen pit

Other

Date of waste receipt: Unknown. Located outside the L-Area perimeter fence adjacent to the RBOF C ash storage. This site is inactive and has been covered with soil.

B.2 Description of waste placed in the unit:

General

The site contains concrete, brick, tile, asphalt, tires, scrap metal, plastics, asbestos, batteries, and glass. The exact location of the site has yet to be confirmed.

Hazardous Components

Quantity

Batteries (lead)

Unknown

B.3 Description of monitoring:

Ongoing

Ground penetrating radar was conducted 1988.

Planned

This site is in the RFI Program.

B.4 Description of inspections and frequency:

Operating procedures were for the site to receive inert, nonhazardous materials. The only potential hazardous constituent would be lead from discarded batteries.

APPENDIX B WORKSHEET

Name of Unit(s)/Building No.(s)

R-Area Burning/Rubble Pit/Bldgs. 131-R and 131-1R

B.1 Description of the unit:

Capacity 49,980 cu. ft.

77,880 cu. ft.

Dimensions 21' x 238' x 10'

33' x 236' x 10'

Materials of construction

Excavated earthen pits

Other

Dates of waste receipt: 1951-1958

131-R covered 1958, 131-1R not covered; both inactive.

B.2 Description of waste placed in the unit:

General

Beginning in 1951, burnable waste (paper, lumber, oils, solvents) was collected and burned on a monthly basis. Burning in pits ceased in 1958. Site 131-R was closed in 1958 by placing a layer of soil over the ashes.

Hazardous Components/Quantity

There are no records which conclusively indicate hazardous constituent disposal. Results of groundwater monitoring (no indication of constituent release) supports the position of no hazardous constituent disposal. However, groundwater monitoring data from other similar pits does show constituent release which suggests that constituent waste disposal has occurred. Consequently, because similar wastes were disposed of in burning rubble pits throughout the site it is assumed that hazardous constituent waste disposal may have occurred in this pit.

B.3 Description of monitoring:

Ongoing

4 wells sampled quarterly. Data code is RRP (DPSPU-88-30-1, Vol. II). Ground penetrating radar was conducted 1988. Soil cores were taken to water table in late fall 1988.

Planned

Continue ongoing monitoring. These sites are in the RFI Program.

B.4 Description of inspections and frequency:

None

APPENDIX B WORKSHEET

Name of Unit(s)/Building No.(s):

K-Area Coal Pile Runoff Basin/Bldg. 189-K

B.1 Description of the unit:

Capacity 365,625 cu. ft. Dimensions 255' x 255' x 7'

Materials of construction

Excavated earthen basin

Other

Dates of waste receipt: 1981 - Present.

B.2 Description of waste placed in the unit:

General

Coal pile runoff from precipitation

Hazardous Components*

Quantity

Chromium

Unknown

Cadmium

Unknown

*Hazardous constituents detected in surface water sample taken from basin

B.3 Description of monitoring:

Ongoing

Quarterly groundwater monitoring 4 wells. Data Code is KCB (DPSPU-88-30-1, Vol. II).

Planned

Continue ongoing monitoring. This site is in the RFI Program.

B.4 Description of inspections and frequency:

None

APPENDIX B WORKSHEET

Name of Unit(s)/Building No.(s):

P-Area Coal Pile Runoff Basin/Bldg. 189-P

B.1 Description of the unit:

Capacity 345,625 cu. ft. Dimensions 312' x 312' x 7'

Materials of construction

Excavated earthen basin

Other

Dates of waste receipt: 1978 - Present.

B.2 Description of waste placed in the unit:

General

Coal pile runoff from precipitation

Hazardous Components*

Quantity

chromium

Unknown

cadmium

Unknown

*Hazardous constituents detected in surface water sample taken from basin

B.3 Description of monitoring:

Ongoing

Quarterly groundwater monitoring 4 wells. Data Code is PCB
(DPSPU-88-10-3, Vol. II).

Planned

Continue ongoing monitoring. This site is in the RFI Program.

B.4 Description of inspections and frequency:

None

APPENDIX B WORKSHEET

Name of Unit(s)/Building No.(s):

F-Area Rubble Pit/Bldg. 231-2F

B.1 Description of the unit:

Capacity Unknown

Dimensions 261' x 509'

Materials of construction

Excavated earthen pit

Other

Dates of waste receipt: Unknown. This site is inactive. Depth of pit is unknown.

B.2 Description of waste placed in the unit:

General

The site contains concrete, lumber, cement, telephone poles, rip rap, brick, tile, wall board, paneling, scrap metal, empty drums, conduit, firehose, batteries, and asbestos.

Hazardous Components

Quantity

Batteries (lead)

Unknown

B.3 Description of monitoring:

Ongoing

Quarterly groundwater monitoring 4 wells. Data Code is FBP (DPSPU-88-30-1, Vol. II). Ground penetrating radar was conducted 1988. Soil coring is scheduled for late summer 1989.

Planned

Continue ongoing monitoring. This site is in the RFI Program.

B.4 Description of inspections and frequency:

None

APPENDIX B WORKSHEET

Name of Unit(s)/Building No.(s):

Burma Road Rubble Pit/Bldg. 231-4F

B.1 Description of the unit:

Capacity Approx. 500,000 cu.ft. Dimensions Approx. 1.67 acres
(150' x 485')

Materials of construction

Excavated earthen pit

Other

Dates of waste receipt: 1973 (estimated) - 1983 (estimated).

This site is inactive. Depth is approximately 10 ft.

B.2 Description of waste placed in the unit:

General

The site contains or may contain asbestos, paint cans, fluorescent
light fixtures, metal, concrete, lumber, poles, and glass.

Hazardous Components

Quantity

B.3 Description of monitoring:

Ongoing

None.

Planned

This site is in the RFI Program. Soil cores will be taken and RCRA
groundwater monitoring wells will be installed.

B.4 Description of inspections and frequency:

None

APPENDIX B WORKSHEET

Name of Unit(s)/Building No.(s):

H-Area Coal Pile Runoff Basin/Bldg. 289-H

B.1 Description of the unit:

Capacity 210,400 cu. ft. Dimensions 200' x 250' x 7'

Materials of construction

Excavated earthen basin

Other

Dates of waste receipt: 1981 - Present.

B.2 Description of waste placed in the unit:

General

Coal pile runoff from precipitation

Hazardous Components*

Quantity

Cadmium

Unknown

Selenium

Unknown

Arsenic

Unknown

Chromium

Unknown

*Hazardous constituents detected in surface water sample taken from basin

B.3 Description of monitoring:

Ongoing

Quarterly groundwater monitoring 4 wells. Data Code is HCB
(DPSPU-88-30-1, Vol. II).

Planned

Continue ongoing monitoring. This site in in the RFI Program.

B.4 Description of inspections and frequency:

None

APPENDIX B WORKSHEET

Name of Unit(s)/Building No.(s)

D-Area Burning/Rubble Pit/Bldgs. 431-D and 431-1D

B.1 Description of the unit:

Capacity 138,720 cu. ft.

91,960 cu. ft.

Dimensions 50' x 272' x 10'

38' x 242' x 10'

Materials of construction

Excavated earthen pits

Other

Dates of waste receipt: 1951 - 1980. Covered prior to November 1980.

Both inactive.

B.2 Description of waste placed in the unit:

General

Beginning in 1951, burnable waste (paper, lumber, oils, solvents) was collected and burned on a monthly basis. Burning in pits ceased in 1973, and the sites closed by placing a layer of soil over the ashes. Pits were then open to receive inert rubble only. Each pit was back-filled with soil when it reached capacity. Operating procedures were for the site to receive inert, nonhazardous materials after 1973.

Hazardous Components/Quantity

There are no records which conclusively indicate hazardous constituent disposal. Results of groundwater monitoring (no indication of constituent release) supports the position of no hazardous constituent disposal. However, groundwater monitoring data from other similar pits does show constituent release which suggests that constituent waste disposal has occurred. Consequently, because similar wastes were disposed of in burning rubble pits throughout the site it is assumed that hazardous constituent waste disposal may have occurred in this pit.

B.3 Description of monitoring:

Ongoing

4 wells sampled quarterly. Data code is DBP (DPSPU-88-30-1, Vol. II). Ground penetrating radar was conducted 1988.

Planned

Continue ongoing monitoring. These sites are in the RFI Program.

B.4 Description of inspections and frequency:

None

APPENDIX B WORKSHEET

Name of Unit(s)/Building No.(s):

D-Area Coal Pile Runoff Basin/Bldg. 489-D

B.1 Description of the unit:

Capacity 820,000 cu. ft. Dimensions 4.5 ft. deep
12.5 acres
Irregular Shape

Materials of construction

Excavated earthen basin

Other

Dates of waste receipt: 1978 - Present.

B.2 Description of waste placed in the unit:

General

Coal pile runoff from precipitation

<u>Hazardous Components*</u>	<u>Quantity</u>
<u>Cadmium</u>	<u>Unknown</u>
<u>Chromium</u>	<u>Unknown</u>
<u>Arsenic</u>	<u>Unknown</u>

*Hazardous constituents detected in surface water sample taken from basin

B.3 Description of monitoring:

Ongoing

Quarterly groundwater monitoring 10 wells. Data Code is DCB
(DPSPU-88-30-1, Vol. II).

Planned

Continue ongoing monitoring. This site is in the RFI Program.

B.4 Description of inspections and frequency:

None

APPENDIX B WORKSHEET

Name of Unit(s)/Building No.(s):

D-Area Oil Seepage Basin/Bldg. 631-G

B.1 Description of the unit:

Capacity 124,092 cu. ft. Dimensions 54' x 383' x 6'

Materials of construction

Excavated earthen pit

Other

Dates of waste receipt: 1952 - 1975. Located between Roads A-4.4 and A-4.5, 0.25 miles west of Road A-12. This site is inactive.

B.2 Description of waste placed in the unit:

General

The site received waste oil products from the D-Area operations and other waste oils not acceptable for powerhouse boilers from 1952 to 1975.

Hazardous Components*

Quantity

Hydrogen sulfide

unknown

*Probable hazardous constituent

B.3 Description of monitoring:

Ongoing

Quarterly groundwater monitoring 4 wells. Data Code is DOB (DPSPU-88-30-1, Vol. II). Ground penetrating radar was conducted 1988.

Planned

Continue ongoing monitoring. This site is in the RFI Program.

B.4 Description of inspections and frequency:

None

APPENDIX B WORKSHEET

Name of Unit(s)/Building No.(s):

Central Shops Burning/Rubble Pit/Bldg. 631-1G

B.1 Description of the unit:

Capacity Unknown

Dimensions

Approx. .14 acre
(30' x 200')

Materials of construction
Excavated earthen pit

Other

Dates of waste receipt: 1951 (estimated) - 1978 (estimated).

Coor.: 30' north and 200' west of N 64600.0, E 57790

This site is inactive. Depth of pit is unknown.

B.2 Description of waste placed in the unit:

General

The site was used to burn ignitable trash, oil, and solvents. Burning in the pit ceased in 1973 and a layer of soil was placed over the ashes. The pit then received inert rubble only until 1978 when operations ceased and the pit was backfilled with soil. Operating procedures were for the site to receive only inert, nonhazardous material after 1973.

Hazardous Components/Quantity

There are no records which conclusively indicate hazardous constituent disposal. Results of groundwater monitoring (no indication of constituent release) supports the position of no hazardous constituent disposal. However, groundwater monitoring data from other similar pits does show constituent release which suggests that constituent waste disposal has occurred at other pits. Consequently, because similar wastes were disposed of in burning rubble pits throughout the site, it is assumed that hazardous constituent waste disposal may have occurred in this pit.

B.3 Description of monitoring:

Ongoing

4 wells sampled quarterly. Data Code is CSR (DPSPU-88-30-1, Vol. II).

Planned

Continue ongoing monitoring. This site is in the RFI Program.
Additional wells may be installed.

B.4 Description of inspections and frequency:

Periodic nonroutine inspections.

APPENDIX B WORKSHEET

Name of Unit(s)/Building No.(s):

Central Shops Rubble Pit/Bldg. 631-3G

B.1 Description of the unit:

Capacity Approx. 140,000 cu. ft.

Dimensions

Approx. .46 acre
(50' x 400' x 7')

Materials of construction

Excavated earthen pit

Other

Dates of waste receipt: 1973 (estimated) - 1983.

Coor. N 65095.25, E 53160.61; N 65156.68, E 53250.58; N 64728.77,

E 53441.19; N 64712.54, E 53377.11. This site is inactive.

B.2 Description of waste placed in the unit:

General

The site received or may have received asbestos, batteries, paint cans, fluorescent light fixtures, paper, cans, lumber, barrels, metal pipe, metal shavings, and electrical switchgear.

Hazardous Components

Quantity

Batteries (lead)

Unknown

B.3 Description of monitoring:

Ongoing

Quarterly groundwater monitoring 4 wells. Data Code is CSR
(DPSPU-88-30-1, Vol. II).

Planned

Continue ongoing monitoring. This site is in the RFI Program.
Additional wells may be installed.

B.4 Description of inspections and frequency:

Periodic nonroutine inspections.

APPENDIX B WORKSHEET

Name of Unit(s)/Building No.(s):

Central Shops Burning/Rubble Pit/Bldg. 631-5G

B.1 Description of the unit:

Capacity Unknown

Dimensions

Approx. .31 Acre
(35' x 385')

Materials of construction

Excavated earthen pit

Other

Dates of waste receipt: 1951 (estimated) - 1978 (estimated).

This site is active. Depth of the pit is unknown.

B.2 Description of waste placed in the unit:

General

The site was used to burn ignitable trash, oil, and solvents. Burning in the pit ceased in 1973 and a layer of soil was placed over the ashes. The pit then received inert materials until 1978 when operations ceased and the site was covered with soil. Operating procedures were for the site to receive only inert, nonhazardous material after 1973.

Hazardous Components/Quantity

There are no records which conclusively indicate hazardous constituent disposal. Results of groundwater monitoring (no indication of constituent release) supports the position of no hazardous constituent disposal. However, groundwater monitoring data from other similar pits do show constituent release which suggests that constituent waste disposal has occurred at other pits. Consequently, because similar wastes were disposed of in burning rubble pits throughout the site it is assumed that hazardous constituent waste disposal may have occurred in this pit.

B.3 Description of monitoring:

Ongoing

4 wells sampled quarterly. Data Code is CSR (DPSPU-88-30-1, Vol. II).

Planned

Continue ongoing monitoring. This site is in the RFI Program.

B.4 Description of inspections and frequency:

Periodic nonroutine inspections.

APPENDIX B WORKSHEET

Name of Unit(s)/Building No.(s):

Central Shops Burning/Rubble Pit/Bldg. 631-6G

B.1 Description of the unit:

Capacity Unknown

Dimensions 0.10 Acre (20' x 180')

Materials of construction

Excavated earthen pit

Other

Dates of waste receipt: 1951 (estimated) - 1978 (estimated).

This site is inactive.

B.2 Description of waste placed in the unit:

General

The site was used to burn ignitable trash, oil, and solvents. Burning in the pit ceased in 1973 and a layer of soil was placed over the ashes. The pit then received inert rubble only until 1978 when operations ceased and the pit was backfilled with soil. Operating procedures were for the site to receive only inert, nonhazardous material after 1973.

Hazardous Components/Quantity

There are no records which conclusively indicate hazardous constituent disposal. Results of groundwater monitoring (no indication of constituent release) supports the position of no hazardous constituent disposal. However, groundwater monitoring data from other similar pits do show constituent release which suggests that constituent waste disposal has occurred at other pits. Consequently, because similar wastes were disposed of in burning rubble pits throughout the site, it is assumed that hazardous constituent waste disposal may have occurred in this pit.

B.3 Description of monitoring:

* Ongoing

None.

Planned

This site is in the RFI Program. Groundwater monitoring wells will be installed as part of the RFI Program.

B.4 Description of inspections and frequency:

Periodic nonroutine inspections.

APPENDIX B WORKSHEET

Name of Unit(s)/Building No.(s):

Old Radioactive Waste Burial Ground/643-G

B.1 Description of the unit:

Capacity 46,000,000 cu. ft.
at 100% land use eff.

Dimensions 76 acres

Materials of construction

Excavated earthen trenches

Other

Dates of waste receipt: 1952 - 1974.

B.2 Description of waste placed in the unit:

General

The site received radioactively (low level) contaminated wastes that included: protective clothing and lead shielding material, contaminated equipment, construction debris, incidental waste from production operations, mercury from pumps and offsite shipments.

<u>Hazardous Components</u>	<u>Quantity</u>
<u>Mercury</u>	<u>Approx. 22,000 lb.</u>
<u>Lead</u>	<u>Approx. 121,000 lb.</u>
<u>Cadmium</u>	<u>Approx. 2650 lb.</u>

B.3 Description of monitoring:

Ongoing

An extensive system of monitoring wells, both within and around the 643-G burial ground, is monitored by the plant Health Protection Department and the Savannah River Laboratory.

Planned

A set of 21 newly installed RCRA monitoring wells will be sampled and analyzed for a variety of radionuclide and chemical constituents. A decision on if and where to install additional wells will be based on this analysis. This site is in the RFI Program.

B-4 Description of inspections and frequency:

Informal general inspections of the 643-G area are done each day by
the personnel working in nearby areas (active burial ground and
administration building).

APPENDIX B WORKSHEET

Name of Unit(s)/Building No.(s):

Present Radioactive Waste Burial Ground/643-7G

B.1 Description of the unit:

Capacity Approx. 15,000,000 cu. ft. Dimensions 60.7 acres
at 100% land use eff.

Materials of construction

Excavated earthen trenches and concrete storage pads.

Other

Dates of waste receipt: 1974 - Present.

B.2 Description of waste placed in the unit:

General

This site receives radioactively (low level) contaminated wastes that include: protective clothing, contaminated equipment, construction debris, and incidental waste from production operations.

Hazardous Components

Quantity

B.3 Description of monitoring:

Ongoing

An extensive system of monitoring wells, both within and around the 643-7G burial ground, is monitored for radioactivity by the plant Health Protection Department and the Savannah River Laboratory. Some wells are monitored for hazardous constituents.

Planned

Thirty-eight monitoring wells were installed March 1988 for the Mixed Waste Management Facility and they will also be used to evaluate radionuclide migration from 643-7G. This site is in the RFI Program.

B.4 Description of inspections and frequency:

General inspections of the 643-7G Area are done each day by personnel working in the facility.

APPENDIX B WORKSHEET

Name of Unit(s)/Building No.(s):

Mixed Waste Management Facility/643-28G

B.1 Description of the unit:

Capacity 40,660,646 cu. ft.
at 100% land use eff.

Dimensions 58.34 acres

Materials of construction

Excavated earthen trenches

Other

Dates of waste receipt: 1972 - 1986. Closure Plan has been approved
by SCDHEC. Post Closure Care Plan is under SCDHEC review.

B.2 Description of waste placed in the unit:

General

The site received radioactively (low-level) contaminated wastes that
included: protective clothing, lead shielding material, contaminated
equipment, construction debris, and incidental waste from production
operations.

Hazardous Components

Quantity

Lead

*

Oil

*

Cadmium

*

Silver

*

Scintillation liquids

*

(xylene, toluene)

*Quantitative information not available

B.3 Description of monitoring:

Ongoing

The facility is inactive. There are 38 RCRA monitoring wells which
were installed in 1987-88. These wells are monitored quarterly.
Closure of the facility has been started. The closure plan includes
dynamic compaction, backfilling, and capping.

Planned

B-4 Description of inspections and frequency:

Weekly walk-through inspections

APPENDIX B WORKSHEET

Name of Unit(s)/Building No.(s)

A-Area Rubble Pit/Bldg. 731-2A

B.1 Description of the unit:

Capacity 260,000 cu. ft.

Dimensions 40' x 650' x 10'

Materials of construction

Excavated earthen pits

Other

Date of waste receipt: 1979-1983. Located adjacent to Burning/Rubble Pit 731-1A which is designated as a potential CERCLA site. This site is inactive.

B.2 Description of waste placed in the unit:

General

This site received concrete, brick, paper, scrap metal, lumber, batteries, and empty drums.

Hazardous Components

Quantity

Batteries (lead)

Unknown

B.3 Description of monitoring:

Ongoing

Ground penetrating radar was conducted 1988. Draft site screening plans to be submitted by late August 1989. Sampling to occur late 1989.

Planned

This site is in the RFI Program Plan.

B.4 Description of inspections and frequency:

Operating procedures were for the site to receive inert, nonhazardous material. The site has been backfilled and seeded. The only potential hazardous constituent would be lead from discarded batteries.

APPENDIX B WORKSHEET

Name of Unit(s)/Building No.(s)

G-Area Oil Seepage Basin/761-13G

B.1 Description of the unit:

Capacity Unknown

Dimensions Approx. 0.25 acre
seepage basin

Materials of construction

Unknown

Other

B.2 Description of waste placed in the unit:

General

May have been used for disposal of waste oil and transfer oil in
1950's and early 1960's.

Hazardous Components

Quantity

Unknown

Unknown

B.3 Description of monitoring:

Ongoing

None

Planned

This site is in the RFI Program.

B.4 Description of inspections and frequency:

Soil and water samples taken 2/13/89.

APPENDIX B WORKSHEET

Name of Unit(s)/Building No.(s)

F-Area Seepage Basin (Old)/904-49G

B.1 Description of the unit:

Capacity 5,260 m²

Dimensions 59m long x 91m wide
x 6m deep

Materials of construction

Excavated earthen basin

Other

Date of waste receipt: 1954 - 1955, 1969, and 1984*.

The basin is divided into two compartments separated by a berm.

*1984 release was low level contaminated water.

B.2 Description of waste placed in the unit:

General

This site received a variety of wastewaters including evaporator over-
heads, laundry wastewater, and an unknown amount of chemicals.
Barium has been detected in the groundwater above back-ground but below
drinking water standards. Mercury has been detected in the soil above
background, but below EP toxicity limits. TCE has been detected in
ground-water monitoring wells, above drinking water standards,
but below background.

<u>Hazardous Components</u>
<u>Barium</u>
<u>pH-Corrosivity</u>
<u>assuming 1954-1955 use</u>
<u>similar to present use of</u>
<u>current basins</u>

<u>Quantity</u>
<u>unknown</u>
<u>unknown</u>
<u></u>
<u></u>

B.3 Description of monitoring:

Ongoing

Four groundwater monitoring wells have been installed around the basin
and measure a variety of inorganic chemicals and radionuclides. Soil
core samples were taken in 1986 and 1988 to measure chemical and
radionuclide constituents. Well data code is FNB (DPSPU-88-30-1,
Vol. II).

Planned

Continue ongoing monitoring. This site is in the RFI Program

B.4 Description of inspections and frequency:

APPENDIX B WORKSHEET

Name of Unit(s)/Building No.(s)

Savannah River Laboratory Seepage Basins/Bldgs. 904-53G1, 904-53G2, 904-54G,
904-55G

B.1 Description of the unit:

Capacity	1) 214,000	Dimensions	1) 129' x 62'6.5'3
	2) 1,000,000		2) 129' x 129' x 6.5'4
	3) 1,630,000		3) 175' x 125' x 8.9'
	4) 4,320,000 gal.		4) 300'150'11.0' LxWxD

Materials of construction

Excavated earthen pits

Other

Dates of waste receipt: 1954 - 1982, 1954 - 1982, 1958 - 1982, and
1960 - 1982.

B.2 Description of waste placed in the unit:

General

These basins received low level radioactive liquid waste (less than
100 d/m/ml alpha and 50 d/m/ml Beta Gamma) generated in laboratories in
Bldgs. 773-A and 735-A. The basins have not received waste since
October 1982.

Hazardous Components

metals

Quantity

unknown

B.3 Description of monitoring:

Ongoing

Nine groundwater monitoring wells have been installed in the vicinity
of the basins and are sampled quarterly and analyzed for a variety of
contaminants. Data code is ASB (DPSPU-88-30-1, Vol. II).

Planned

Submit documents per NRDC Agreement. These sites are in the
RFI Program.

B.4 Description of inspections and frequency:

Monthly inspections of the basins are made to check general condition
and water levels from precipitation, if any.

APPENDIX B WORKSHEET

Name of Unit(s)/Building No.(s):

F-Area Acid Caustic Basin/Bldg. 904-74G

B.1 Description of the unit:

Capacity 60,000 gal.

Dimensions Nominal 50' x 50' x 7'
Lq. depth 3 ft.

Materials of construction

Excavated earthen basin

Other

Dates of waste receipt: 1955 - 1987.

B.2 Description of waste placed in the unit:

General

This site received spent dilute solutions of sulfuric acid and sodium hydroxide used to regenerate ion exchange units, associated water rinses, condensate from steam heaters, and rainfall runoff from acid and caustic storage tanks spill containment enclosure.

Hazardous Components

Quantity

pH-Corrosivity

May be outside range
2.0 to 12.5

B.3 Description of monitoring:

Ongoing

Five groundwater monitoring wells have been installed and are monitored quarterly. Well data code is FAC. (DPSPU-88-30-1, Vol. II)

Planned

Continue ongoing monitoring until closure. This site is in the RFI Program and was declared a RCRA site as a result of the NRDC consent decree. Basin will be closed per the SCHWMR.

B.4 Description of inspections and frequency:

Daily inspection of freeboard. Weekly inspection of diking, security, and housekeeping.

APPENDIX B WORKSHEET

Name of Unit(s)/Building No.(s):

H-Area Acid Caustic Basin/Bldg. 904-75G

B.1 Description of the unit:

Capacity 60,000 gal.

Dimensions Nominal 50' x 50' x 7'
Lq. depth 3 ft.

Materials of construction
Excavated earthen basin

Other

Dates of waste receipt: 1955 - 1986.

B.2 Description of waste placed in the unit:

General

This site received dilute solutions of sulfuric acid and sodium hydroxide used to regenerate ion exchange units, associated water rinses, condensate from steam heaters, and rainfall runoff from spill contaminant enclosures for acid and caustic storage tanks. Also, this basin received small quantities of waste from Bldg. 244-H until 1986, consisting of steam condensate from a hose box and drainage from a chemical tank pad. Estimated discharge was 20 L/yr of solutions containing about 1% sodium dichromate and 10% phosphoric acid.

Hazardous Components

Quantity

pH-Corrosivity

May be outside range
2.0 to 12.5

B.3 Description of monitoring:

Ongoing

Four groundwater monitoring wells have been installed and are monitored quarterly. Well data code is HAC.

Planned

Continue ongoing monitoring until closure. This site is in the RFI Program and was declared a RCRA site as a result of the NRDC consent decree. Basin will be closed per the SCHWMR.

B.4 Description of inspections and frequency:

Daily inspection of freeboard. Weekly inspection of diking, security, and housekeeping.

APPENDIX B WORKSHEET

Name of Unit(s)/Building No.(s):

R-Area Acid Caustic Basin/Bldg. 904-77G

B.1 Description of the unit:

Capacity 60,000 gal.

Dimensions Nominal 50' x 50' x 7'
Lq. depth 3 ft.

Materials of construction

Excavated earthen basin

Other

Dates of waste receipt: 1955 - 1964.

B.2 Description of waste placed in the unit:

General

This site received dilute solutions of sulfuric acid and sodium hydroxide used to regenerate ion exchange units, associated water rinses, condensate from steam heaters, and rainfall runoff from acid and caustic tank spill containment enclosure.

Hazardous Components

Quantity

pH-Corrosivity

May be outside range
2.0 to 12.5

B.3 Description of monitoring:

Ongoing

Four groundwater monitoring wells have been installed and are monitored quarterly. Well data code is RAC. (DPSPU-88-30-1, Vol II)

Planned

Continue ongoing monitoring. This site is in the RFI Program.

B.4 Description of inspections and frequency:

APPENDIX B WORKSHEET

Name of Unit(s)/Building No.(s):

P-Area Acid Caustic Basin/Bldg. 904-78G

B.1 Description of the unit:

Capacity 60,000 gal.

Dimensions Nominal 50' x 50' x 7'
Lq. depth 3 ft.

Materials of construction
Excavated earthen basin

Other

Dates of waste receipt: 1955 - 1982.

B.2 Description of waste placed in the unit:

General

This site received dilute solutions of sulfuric acid and sodium hydroxide used to regenerate ion exchange units, associated water rinses, condensate from steam heaters, and rainfall runoff from acid and caustic tank spill containment enclosure.

Hazardous Components

Quantity

pH-Corrosivity

May be outside range
2.0 to 12.5

B.3 Description of monitoring:

Ongoing

Six groundwater monitoring wells have been installed and are monitored quarterly. Well data code is PAC. (DPSPU-88-30-1, Vol. II)

Planned

Continue ongoing monitoring until closure. This site is in the RFI Program and was declared a RCRA site as a result of the consent decree. Basin will be closed per the SCHWMR.

B.4 Description of inspections and frequency:

Daily inspection of freeboard. Weekly inspection of diking, security, and housekeeping.

APPENDIX B WORKSHEET

Name of Unit(s)/Building No.(s):

L-Area Acid Caustic Basin/Bldg. 904-79G

B.1 Description of the unit:

Capacity 60,000 gal.

Dimensions Nominal 50' x 50' x 7'
Lq. depth 3 ft.

Materials of construction

Excavated earthen basin

Other

Dates of waste receipt: 1955 - 1968.

B.2 Description of waste placed in the unit:

General

This site received dilute solutions of sulfuric acid and sodium hydroxide used to regenerate ion exchange units, associated water rinses, condensate from steam heaters, and rainfall runoff from acid and caustic tank spill containment enclosure.

Hazardous Components

Quantity

pH-Corrosivity

May be outside range
2.0 to 12.5

B.3 Description of monitoring:

Ongoing

Four groundwater monitoring wells have been installed and are monitored quarterly. Well data code is LAC. (DPSPU-88-30-1, Vol. II)

Planned

Continue ongoing monitoring. This site is in the RFI Program.

B.4 Description of inspections and frequency:

APPENDIX B WORKSHEET

Name of Unit(s)/Building No.(s):

K-Area Acid Caustic Basin/Bldg. 904-80G

B.1 Description of the unit:

Capacity 60,000 gal.

Dimensions Nominal 50' x 50' x 7'
Lq. depth 3 ft.

Materials of construction

Excavated earthen basin

Other

Dates of waste receipt: 1955 - 1982.

B.2 Description of waste placed in the unit:

General

This site received dilute solutions of sulfuric acid and sodium hydroxide used to regenerate ion exchange units, associated water rinses, condensate from steam heaters, and rainfall runoff from acid and caustic tank spill containment enclosure.

Hazardous Components

Quantity

pH-Corrosivity

May be outside range
2.0 to 12.5

B.3 Description of monitoring:

Ongoing

Four groundwater monitoring wells have been installed and are monitored quarterly. Well data code is KAC. (DPSPU-88-30-1, Vol. II)

Planned

Continue ongoing monitoring until closure. This site is in the RFI Program and was declared a RCRA site as a result of the NRDC consent decree. Basin will be closed per the SCHWMR.

B.4 Description of inspections and frequency:

Daily inspection of freeboard. Weekly inspection of diking, security, and housekeeping.

APPENDIX B WORKSHEET

Name of Unit(s)/Building No.(s)

Ford Building Seepage Basin/904-91G

B.1 Description of the unit:

Capacity 600 m³

Dimensions Top 24 x 12 m

Bottom 18 x 6m

Depth 3 m

Materials of construction

Excavated earthen-diked basin

Other

Dates of waste receipt: 1964 - 1984.

B.2 Description of waste placed in the unit:

General

This site received wastewater with low levels of radioactive contamination and trace amounts of oil and grease.

Hazardous Components/Quantity

There are no records which conclusively indicate hazardous constituent disposal. Results of groundwater monitoring (no indication of constituent release) supports the position of no hazardous constituent disposal. However, soil/sediment analysis of the basin/pipeline area indicate levels of lead, chromium, and mercury above background.

B.3 Description of monitoring:

Ongoing

Groundwater monitoring wells are sampled quarterly. Data code is HXB. (DPSPU-88-30-1, Vol. II)

Planned

Continue ongoing monitoring. This site is in the RFI Program.

B.4 Description of inspections and frequency:

Annual cutting of shrubs and trees.

APPENDIX B WORKSHEET

Name of Unit(s)/Building No.(s)

TNX Seepage Basin (New)/Bldg. 904-102G

B.1 Description of the unit:

Capacity basin: 103,500 ft³ Dimensions inlet section: 50'x80'x10'
inlet section: 15,000 ft³ main section: 250'x60'x10'

Materials of construction

Excavated earthen basin

Other

Dates of waste receipt: 1980-Present. Vitrified pipe to connect two sections and to overflow. This site is in the RFI Program.

B.2 Description of waste placed in the unit:

General

This site received simulated (nonradioactive) process wastewater from pilot scale tests conducted at TNX in support of DWPF. Batch discharges neutralized for pH prior to release. There are no records of hazardous wastes or hazardous constituents disposed at this site.

Hazardous Components

Annual Quantity

B.3 Description of monitoring:

Ongoing

Results from basin soil samples indicate the possibility of low concentrations of hazardous constituents are present.

Planned

B.4 Description of inspections and frequency:

New basin well (YSB Series) are evaluated for major ions only.

APPENDIX B

**HAZARDOUS SOLID WASTE MANAGEMENT UNITS WITH NO KNOWN RELEASE
TO THE ENVIRONMENT**

• STORAGE TANKS AND BUILDINGS

APPENDIX B WORKSHEET

Name of Unit(s)/Building No.(s)

M-Area Process Waste Interim Treatment/Storage Facility 341-1M

B.1 Description of the unit:

Capacity	Tanks 1-6	35,000 gal each	Dimensions	Tanks 1-6	12' Dia. x 40'
	Tanks 7-12	500,000 gal each		Tanks 7-12	62' Dia. x 24'

Materials of construction

Carbon Steel

Other

B.2 Description of waste placed in the unit:

General

This storage facility receives sludge generated by the LETF (see M-Area Liquid Effluent Treatment Facility). Started up July 1985. Unit is operated under RCRA interim status.

Hazardous Components*

Annual Quantity

F-006 Wastes

250,000 gal

(Nickel)

(630 ppm)

(Lead)

(14 ppm)

(Chromium)

(3 ppm)

(Barium)

(1 ppm)

*Due to reactor shutdown, no target slugs (source of F-006 and nickel wastes) are being processed in 313-M.

B.3 Description of monitoring:

Ongoing

None

Planned

B.4 Description of inspections and frequency:

Physical inspection by operator twice daily.

APPENDIX B WORKSHEET

Name of Unit(s)/Building No.(s)

D-Area Waste Oil Facility/Bldg. 484-D

B.1 Description of the unit:

Capacity 2,000 gal.

Dimensions 20' x 50'

Materials of construction

Concrete pad, 2,000 Gallon Carbon Steel Storage Tank, plus pumping equipment.

Other

Dates of waste receipt: 1953 - Present.

B.2 Description of waste placed in the unit:

General

The tank stores waste oil, engine lubricant, pump oil, kerosene, fuel oil, diesel fuel, non-PCB transformer oil, gear box oil. These waste oils are burned in D-Area boilers for energy recovery.

Hazardous Components

Quantity

Waste oil*

92,000 gal/yr

*Hazardous waste under South Carolina but not Federal regulations.
Included under Appendix B for information purposes.

B.3 Description of monitoring:

Ongoing

Monitored continuously for leaks/spills during burning operations.
Monitored daily (8-4) for leaks during periods when waste oil is not being burned.

Planned

None

B.4 Description of inspections and frequency:

Continuous - Operator attends facility to ensure proper pump operation.
Daily - Environmental operator checks for environmental compliance.

APPENDIX B WORKSHEET

Name of Unit(s)/Building No.(s)

Mixed Waste Storage Tank (S32)/643-29G

B.1 Description of the unit:

Capacity 25,000 Gallons

Dimensions 10.5' x 38'10"

Materials of construction

Carbon Steel (3/8")

Other

Dates of waste receipt: 1983 - 1988. Underground Storage Tank which contained tritiated waste oil (SCDHEC hazardous waste) was abandoned in place July 6, 1988. SRS certified closure of this facility to SCDHEC on September 7, 1988.

B.2 Description of waste placed in the unit:

General

The tank stored waste oil from process equipment in regulated areas (pump oil, gearbox oil) and contained low-level of radioactivity (tritium).

Hazardous Components

Quantity

Waste oil, a South Carolina but not a Federal hazardous waste.

All oil was removed and burned in Beta-Gamma Incinerator.

B.3 Description of monitoring:

Ongoing

None

Planned

None

B.4 Description of inspections and frequency:

None

APPENDIX B WORKSHEET

Name of Unit(s)/Building No.(s)

Mixed Waste Storage Building/643-29G

B.1 Description of the unit:

Capacity 30,000 cu. ft.

Dimensions 60' x 60'

Materials of construction

Diked concrete pads with sheet metal roof and sidewalls.

Other

Dates of waste receipt: 3/87 - Present. RCRA Storage Facility

B.2 Description of waste placed in the unit:

General

The site stores tritiated waste oil, tritium contaminated process equipment containing mercury, PCB-contaminated floor sweepings and scintillation counting solutions.

Hazardous Components

Quantity

Mercury

See attached sheet on next page

Oil

PCB

Lead

B.3 Description of monitoring: Ongoing

Ongoing

A liquid collection sump is monitored for radioactivity and hazardous substances prior to removal of any accumulated liquids (primarily rain-water). Also, the plant Health Protection Department monitors the area for spread of radioactive contamination and unexpected radiation fields.

Planned

None

B.4 Description of inspections and frequency:

The 643-29G area is inspected weekly for leaking or damaged containers, irregularities in the storage pad or building, and presence of liquid in the sump. Monthly inspections of safety equipment (fire extinguishers, breathing apparatus, etc.) are also conducted.

Attachment

Mixed Waste Storage Building / 643-29G

<u>Waste Type</u>	<u>Quantity*</u>
Failed PCB Capacitor	1-85 gal.
PCB Equipment	1-55 gal.
PCB contaminated floor sweepings	7-55 gal.
Tritiated Oil	24-55 gal.
Tritiated Oil	26-35 gal. in 55 gal. overpack
Tritiated Oil	15-60 gal. in 85 gal. overpack
Tritiated Oil	1-35 gal. in 60 gal. overpack
Tritiated Oil	1-280 gal. in 612 gal. overpack
Tritiated Oil	2-60 gal.
Gold Traps (Mercury)	5-54 gal.
Scintillation Fluid (Organics)	14-55 gal.
Process Beds (Mercury)	7-464 gal.
Process Beds (Mercury)	1-390 gal.
Process Beds (Mercury)	1-330 gal.
Process Beds (Mercury)	1-185 gal.
Failed Pumps (Mercury)	1-155 gal.
Failed Pumps (Mercury)	2-112 gal.
Failed Pumps (Mercury)	1-60 gal.
Soil Borings (Mercury)	1-673 gal.
Pb & Equipment w/Pb	4-55 gal.
Pb & Equipment w/Pb	2-394 gal.

* As of June, 1989

APPENDIX B WORKSHEET

Name of Unit(s)/Building No.(s)

Hazardous Waste Storage Bldgs 709-G, 709-4G, 710-U, and Mixed Waste Bldg 709-2G

B.1 Description of the unit:

Capacity	Dimensions
709-G 919 55-gal drums	72' x 168'
709-2G 320 90-cu.ft. boxes	60' x 224'
709-4G 1550 55-gal drums	66' x 175'
710-U 697 55-gal drums	50' x 106'

Materials of construction

Metal building with a slab-on-grade concrete floor; solid waste storage pads 1 and 2.

Other

Dates of waste receipt: 709-G: 1983 - Present; 709-2G: 1987 - Present; 709-4G: 1984 - Present; and 710-U: 1980 - Present. RCRA permit (see Part B application)

B.2 Description of waste placed in the unit:

General

The site stores nonradioactive hazardous waste and low level mixed waste (709-2G) generated plantwide; predominantly toxic, ignitable and reactive wastes.

<u>Hazardous Components</u>	<u>Quantity</u> <u>(lb, as of 6/89)</u>
<u>Paint solvent waste F003, D001</u>	<u>32,000</u>
<u>Waste oil lead mixture- 8888, D008</u>	<u>36.400</u>
<u>Halogenated degreasing solvents F001</u>	<u>80,500</u>
<u>Misc. solvents F005, F003, D001</u>	<u>78,500</u>
<u>Reactive metals D003</u>	<u>2,400</u>
<u>Machine coolant 6666, 8888</u>	<u>47,000</u>
<u>Nitrates D001</u>	<u>32,200</u>
<u>Toluene - isopropyl alcohol mix U220, D001</u>	<u>26,550</u>
<u>Various others - see RCRA Part A Permit</u>	

B.3 Description of monitoring:

Ongoing

No groundwater monitoring is required by regulation; however, 3 ground-
water monitoring wells are in the area to provide background monitoring.
Well data code is HWS. (DPSPU-88-301, Vol II.)

Planned

None

B.4 Description of inspections and frequency:

The buildings are inspected weekly for leaks, bulging drums, intact
labels on the drums, housekeeping, etc. Fire extinguishers and other
safety equipment is inspected monthly. See RCRA Part B application,
Vol II, for more information.

APPENDIX B WORKSHEET

Name of Unit(s)/Building No.(s):

PCB Storage Building/741-1G

B.1 Description of the unit:

Capacity * _____ Dimensions 20' x 20'

Materials of construction

Metal sides and roof. Concrete floor.

Other

*Storage contents as of 8/8/89

Moved to 740-G (New Salvage Yard). Previously Bldg. No. 740-1A.

1 55-gal drums - Capacitors

5 55-gal drums - Ballasts

B.2 Description of waste placed in the unit:

General

Storage for PCB's prior to shipment off site.

Hazardous Components

Quantity

PCB

B.3 Description of monitoring:

Ongoing

None

Planned

None

B.4 Description of inspections and frequency:

Biweekly inspection for spills.

APPENDIX B WORKSHEET

Name of Unit(s)/Building No.(s)

Savannah River Laboratory Low Activity Radioactive Waste Tanks/Building 776-A

B.1 Description of the unit:

Capacity 1) 4 tanks at 5900 gal
each below ground
2) 1 tank at 10,000
(above ground)

Dimensions 1) 10' D x 11" H each
2) 12' D x 11'7" H

Materials of construction
304L stainless steel

Other

Dates of waste receipt: 1954 - Present.

B.2 Description of waste placed in the unit:

General

These tanks receive low-activity radioactive liquid waste (on the order of 50 d/m/mL alpha or beta/gamma) from Building 773-A and 779-A.
The waste is sampled and then transferred to 200-F for processing.
Currently no hazardous wastes are disposed of in the system. The only tank that received hazardous waste in the past was the 10,000-gallon above-ground tank. As a protective measure, a RCRA Part A application was submitted in June 1987 to classify all five tanks as RCRA Interim Status. The above-ground tank was removed from RCRA status in 1/89.

Hazardous Components

Quantity

Metals

Unknown

B.3 Description of monitoring:

Ongoing

Each tank load is sampled and analyzed for radioactivity, pH and mercury.

Planned

B.4 Description of inspections and frequency:

Inventory of each tank is logged daily as part of the underground tank control.

APPENDIX B

**SOLID WASTE MANAGEMENT UNITS HAVING RECEIVED HAZARDOUS WASTE OR
HAZARDOUS CONSTITUENTS WITH NO KNOWN RELEASE
TO THE ENVIRONMENT**

• PROCESS TANKS

APPENDIX B WORKSHEET

Name of Unit(s)/Building No.(s)

High-Level Radioactive Tanks/241-F and 241-H

B.1 Description of the unit:

Capacity	Dimensions	# of Tanks
Type I tank - 750,000 gal	75' diam x 24.5'H	12
Type II tank - 1,034,000 gal	85' diam x 27'H	4
Type III tank - 1,300,000 gal	85' diam x 33'H	27
Type IV tank - 1,300,000 gal	85' diam x 34'H	8
		Total 51

Materials of construction

Carbon steel

Other

Dates of waste receipt: 1954 - Present (F-Area tanks), 1955 - Present (H-Area tanks). Secondary containment of the Type I, II, and III tanks are constructed of carbon steel. The Type IV tanks have no carbon steel secondary containment. All tanks are enclosed in concrete.

B.2 Description of waste placed in the unit:

General

These tanks receive high-level liquid radioactive waste generated during spent fuel reprocessing. The waste is processed in the tanks to produce sludge, salt, or supernate.

Hazardous Components	Quantity
<u>Mercury</u>	<u>Varies with waste type</u>
<u>Chromium</u>	<u>Varies with waste type</u>
<u>ph 12.5</u>	
<u>Barium</u>	<u>Varies with waste type</u>
<u>Silver</u>	<u>Varies with waste type</u>
<u>Lead</u>	<u>Varies with waste type</u>

B.3 Description of monitoring:

Ongoing

The leak detection methods for the high-level waste are divided into four categories: Liquid Detection (conductivity probes and sumps); Ventilation Systems (constant air monitors); Inventory Control (automatic reel tapes); and Visual Inspection. There are also groundwater monitoring wells located at various points around the tanks. The wells are monitored for radionuclides.

Planned

Continue ongoing monitoring.

B.4 Description of inspections and frequency:

The waste tanks annuli and the outer wall of the primary tank are visually inspected every month. The inspection is a check for evidence of liquid within the annulus. A periscope is the tool used to inspect the primary tank wall and annulus for evidence of leakage or other unusual conditions. This method can be used to inspect both the interior as well as the exterior of the primary tank. The periscope is lowered down into the tank or annulus through the tank risers (port holes). Photographs of the tank wall and annulus can be made by attaching a camera to the periscope eyepiece section or by physically lowering a camera into the tank or annulus and taking photographs by remote control. The area and the total amount of the tank to be visually inspected depend on the number and location of the annulus risers. Tank 16 is in the RFI Program.

APPENDIX B

**SOLID WASTE MANAGEMENT UNITS HAVING RECEIVED HAZARDOUS WASTE OR
HAZARDOUS CONSTITUENTS WITH NO KNOWN RELEASE
TO THE ENVIRONMENT**

• WASTEWATER TREATMENT UNITS

APPENDIX B WORKSHEET

Name of Unit(s)/Building No.(s)

M-Area Liquid Effluent Treatment Facility/341-M and 313-M

B.1 Description of the unit:

Capacity 110 GPM

Dimensions N/A

Materials of construction

Carbon Steel, Stainless Steel, Concrete

Other

B.2 Description of waste placed in the unit:

General

This wastewater treatment unit receives dilute and concentrated wastewater from M-Area production. Started up July 1985.

Hazardous Components**†

Annual Quantity

F-006 Wastes

30,000 gal

(Nickel)

2000 ppm

(Lead)

28 ppm

*Based on 1987 generated quantities. Received hazardous waste but excluded from RCRA permit requirements (SCDHEC Regulation 270.1(c)(2)(v))

†Due to reactor shutdown, no target slugs (source of F-006 and nickel wastes) are being processed in 313-M.

B.3 Description of monitoring:

Ongoing

None

Planned

B.4 Description of inspections and frequency:

Physical inspection by operator twice daily.

APPENDIX B

**SOLID WASTE MANAGEMENT UNITS HAVING RECEIVED HAZARDOUS WASTE OR
HAZARDOUS CONSTITUENTS WITH NO KNOWN RELEASE
TO THE ENVIRONMENT**

- **WASTE RECYCLING UNITS**

APPENDIX B WORKSHEET

Name of Unit(s)/Building No.(s)

Mercury Reclamation Facility/773-A

B.1 Description of the unit:

Capacity N/A

Dimensions N/A

Materials of construction

Glass

Other

B.2 Description of waste placed in the unit:

General

Mercury from instruments is oxified, filtered, and vacuum distilled.
Pure mercury is reused and residue is sent to hazardous waste storage.

Hazardous Components

Quantity

Mercury

250 lbs/yr

B.3 Description of monitoring:

Ongoing

None

Planned

B.4 Description of inspections and frequency:

Monthly visual inspection.

APPENDIX B WORKSHEET

Name of Unit(s)/Building No.(s)

Silver Recovery Facility/703-43A

B.1 Description of the unit:

Capacity <u>10 gallons</u>	Dimensions <u>Height 43"</u>
	<u>Width 16"</u>
	<u>Depth 16"</u>

Materials of construction

Plastic bottles

Other

B.2 Description of waste placed in the unit:

General

Photographic waste is processed for recovery of silver. Silver sludge is collected from photo labs and sent offsite for reprocessing. Spent photo fixure solution is treated in electrolytic plater, recovered silver is sent offsite for reprocessing and residue is discharged into sanitary sewer which in turn discharges through an NPDES outfall.

<u>Hazardous Components</u>	<u>Quantity</u>
<u>Silver sludge (80-90% silver)</u>	<u>10 lbs/yr.</u>
<u>Spent photo fixture solution</u>	<u>68 lbs/yr.</u>

B.3 Description of monitoring:

Ongoing

Biweekly sampling of waste discharged to sewer

Planned

B.4 Description of inspections and frequency:

Biweekly samples are pulled from the 703-43A trade waste tank and are tested for silver content and chromium content.

APPENDIX B

**SOLID WASTE MANAGEMENT UNITS HAVING RECEIVED HAZARDOUS WASTE OR
HAZARDOUS CONSTITUENTS WITH NO KNOWN RELEASE
TO THE ENVIRONMENT**

- **SATELLITE/STAGING AREAS**

APPENDIX B WORKSHEET

Name of Unit(s)/Building No.(s)

Satellite/Staging Areas (See Attachment A)

B.1 Description of the unit:

Capacity _____ Dimensions _____

Materials of construction

Other

Location of satellite areas can change. Waste volumes from
satellite/staging areas will change.

B.2 Description of waste placed in the unit:

General

Hazardous Components

Quantity

B.3 Description of monitoring:

Ongoing

Planned

B.4 Description of inspections and frequency:

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<u>CUSTODIAL DEPT</u>	<u>LOCATION</u>	<u>TYPE</u>	<u>HAZ/MIX</u>	<u>WASTE STORED</u>	<u>HAZ WST #</u>
Raw Materials	313-M (South Side)	Staging	Hazardous	Waste Oil "1,1,1-TCE" TCTFE (Freon-113)	8888 F001 F001
Raw Materials	313-M (Oberlin Filter Area)	Satellite	Hazardous	Waste Oil	8888
Raw Materials	313-M (Maintenance Pad)	Satellite	Hazardous	Waste Oil	8888
Raw Materials	320-M (Near Tube Cleaning)	Staging	Hazardous	Waste Oil	8888
Raw Materials	321-M (Tin Oil Sump)	Staging	Hazardous	Waste Oil	8888
Raw Materials	321-M (Near Cleaning Room)	Staging	Hazardous	Waste Oil	8888
Raw Materials	321-M (Near Solvent Still)	Staging	Hazardous	TCTFE (Freon-113)	F001
Raw Materials	341-M	Staging	Mixed	DETF Filter Paper (Take Up Rolls)	F006
Reactor	105-K (East Side)	Staging	Mixed	Trit. Waste Oil	8888
Reactor	105-K (-40)	Satellite	Mixed	Trit. Waste Oil	8888

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<u>CUSTODIAL DEPT</u>	<u>LOCATION</u>	<u>TYPE</u>	<u>HAZ/MIX</u>	<u>WASTE STORED</u>	<u>HAZ WST #</u>
Reactor	108-1K (Outside)	Staging	Hazardous	Waste Oil	8888
Reactor	108-2K (Outside)	Staging	Hazardous	Waste Oil	8888
Reactor	105-L (South Side)	Staging	Mixed	Trit. Waste Oil	8888
Reactor	105-L (-40)	Satellite	Mixed	Trit. Waste Oil	8888
Reactor	108-1L (Outside)	Staging	Hazardous	Waste Oil	8888
Reactor	108-2L (Outside)	Staging	Hazardous	Waste Oil	8888
Reactor	105-P (East Side)	Staging	Mixed	Trit. Waste Oil	8888
Reactor	105-P (West Side)	Satellite	Mixed	Contam. Lead	D008
Reactor	105-P (-40) #1	Satellite	Mixed	Trit. Waste Oil	8888
Reactor	105-P (-40) #2	Satellite	Mixed	Trit. Waste Oil	8888
Reactor	108-1P (Outside)	Staging	Hazardous	Waste Oil	8888
Reactor	108-2P (Outside)	Staging	Hazardous	Waste Oil	8888
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<u>CUSTODIAL DEPT</u>	<u>LOCATION</u>	<u>TYPE</u>	<u>HAZ/MIX</u>	<u>WASTE STORED</u>	<u>HAZ WST #</u>
Tritium	232-H (Outside)	Satellite	Mixed	Trit. Waste Oil	8888
Tritium	232-H (Truckport)	Satellite	Mixed	Trit. Waste Oil	8888
Power	254-5F	Staging	Hazardous	Waste Oil	8888
Power	254-5H	Staging	Hazardous	Waste Oil	8888
Power	284-H	Staging	Hazardous	Waste Oil	8888
Power	108-3P	Staging	Hazardous	Waste Oil	8888
Power	184-K	Staging	Hazardous	Waste Oil	8888
Power	108-3K	Satellite	Hazardous	Waste Oil	8888
Power	484-D	Staging	Hazardous	Waste Oil	8888
Power	789-A	Satellite	Hazardous	Waste Oil	8888
Power	681-1G (PumpHse)	Satellite	Hazardous	Waste Oil	8888
Power	681-3G (PumpHse)	Satellite	Hazardous	Waste Oil	8888
Separations	211-F (Siab Yard)	Staging	Mixed	TRU Waste (Contam. Lead, Contam. Mercury, Rad. Waste Oil Contam. Silver)	D008 D008 D009 8888 D001

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<u>CUSTODIAL DEPT</u>	<u>LOCATION</u>	<u>TYPE</u>	<u>HAZ/MIX</u>	<u>WASTE STORED</u>	<u>HAZ WST #</u>
Separations	221-F (FB-Line)	Staging	Mixed	TRU Waste (Contam. Lead Rad. Waste Oil Contam. Ca Metal)	D008 D008 8888 D003
Separations	221-F (FB-Line)	Satellite	Mixed	Contam. Ca Metal Contam. Mercury	D003 D009
Separations	221-F (1st Level Compressor Rm)	Satellite	Hazardous	Waste Oil	8888
Separations	221-F (1st Level Chiller Rm)	Satellite	Hazardous	Waste Oil	8888
Separations	221-F (2nd Level)	Satellite	Mixed	Rad. Waste Oil	8888
Separations	221-F (717-2F Slab Yard)	Staging	Mixed	Contam. Lead Contam. Mercury	D008 D009
Separations	221-1F (A-Line)	Staging	Mixed	Rad. Waste Oil	8888
Separations	292-F	Staging	Hazardous	Waste Oil Lead Mercury Waste Oil	8888 D008 D009 8888

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<u>CUSTODIAL DEPT</u>	<u>LOCATION</u>	<u>TYPE</u>	<u>HAZ/MIX</u>	<u>WASTE STORED</u>	<u>HAZ WST #</u>
Separations	211-H (Slab Yard)	Staging	Mixed	(Contam. Lead, Contam. Mercury Rad. Waste Oil Contam. Silver)	D009 D009 8888 D001
Separations	221-H (HB-Line)	Staging	Mixed	TRU Waste (Contam. Lead Rad. Waste Oil)	D008 D008 8888
Separations	221-H (1st Level)	Satellite	Hazardous	Waste Oil	8888
Separations	221-H (2nd Level)	Satellite	Mixed	Rad. Waste Oil	8888
Separations	221-H (Outside South Loading Dock)	Satellite	Mixed	Rad. Waste Oil	8888
Separations	221-H (80-H Slab Yard)	Staging	Mixed	Contam. Lead Contam. Mercury Waste Oil	D008 D009 8888
Separations	704-H (Outside)	Satellite	Hazardous	TCTFE (Freon-113)	F001
Separations	704-H (Tool Crib)	Satellite	Hazardous	Waste Oil TCTFE (Freon-113)	8888 F001
Naval Fuel	247-F (Northeast Side)	Staging	Mixed	TBP/Cyclohexane Methanol Waste Oil	D001 D001 8888
Naval Fuel	247-F (Northeast Side)	Satellite	Mixed	TBP/Cyclohexane	D001

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<u>CUSTODIAL DEPT</u>	<u>LOCATION</u>	<u>TYPE</u>	<u>HAZ/MIX</u>	<u>WASTE STORED</u>	<u>HAZ WST #</u>
Naval Fuel	247-F (Northeast Side)	Satellite	Hazardous	Waste Oil	8888
Naval Fuel	247-F (Northeast Side)	Satellite	Mixed	Methanol	D001
CSWE	716-A (Auto Rpr Shop) (Outside on SW Side)	Staging	Hazardous	Waste Oil	8888
CSWE	711-A (Machine Shop) (Outside on SW Side)	Staging	Hazardous	Waste Oil Lathe Coolant	8888 6666/8888
CSWE	618-G (RR Yd) (75 yds SW of 609-G)	Staging	Hazardous	Waste Oil	8888
CSWE	710-G (Outside on North Side)	Satellite	Hazardous	Waste Paint	F003/F005
CSWE	710-G (Outside on North Side)	Satellite	Hazardous	Waste Paint Solvent	F003/F005
DWPF	210-1Z (#1)	Satellite	Hazardous	Waste Oil	8888
DWPF	210-1Z (#2)	Satellite	Mixed	Waste Oil (Rad)	8888
Laboratories	772-F (Service Floor)	Satellite	Mixed	Contam. Lead	D008

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<u>CUSTODIAL DEPT</u>	<u>LOCATION</u>	<u>TYPE</u>	<u>HAZ/MIX</u>	<u>WASTE STORED</u>	<u>HAZ WST #</u>
WM	299-H (Maint. Bldg.)	Satellite	Hazardous	Waste Oil	8888
HP	773-A (E-093)	Staging	Hazardous	Scintillation Fluid	D001
HP	773-45A	Satellite	Hazardous	Xylene/Toluene	F003/F005
HP	735-A	Satellite	Hazardous	Lead	D008
SRL	773-45A	Staging	Hazardous	Alcohol/Toluene Waste Window Oil	F003/F005 8888
SRL	776-9A	Satellite	Mixed	Rad. Waste Oil	8888
SRL	749-A (#1)	Satellite	Hazardous	Waste Oil	8888
SRL	749-A (#2)	Satellite	Hazardous	Trim Sol Coolant	6666/8888
SRL	704-B	Satellite	Hazardous	Scintillation Fluid	D001
SRL-EED	723-A (Outdoors-Southside)	Satellite	Hazardous	Waste Oil	8888
SRL-EED	723-A (Outdoors-Southside)	Satellite	Hazardous	Oily Water	6666/8888
SRL-EED	723-A (Outdoors-Southside)	Satellite	Hazardous	1,1,1-TCE Spent Fixer (Ag) Sodium Sulfite/Ag	F001 D001 D001

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<u>CUSTODIAL DEPT</u>	<u>LOCATION</u>	<u>TYPE</u>	<u>HAZ/MIX</u>	<u>WASTE STORED</u>	<u>HAZ WST #</u>
SRL-TNX	674-T	Staging	Hazardous	Misc Lab Waste Waste Acetonitrile Acetone Wash Water	D001 F003/D009
SRL-TNX	671-T (Westside-#1)	Satellite	Hazardous	Waste Oil	8888
SRL-TNX	677-T (Eastside-#2)	Satellite	Hazardous	Waste Condensate/Hg	D-009
SRL-TNX	671-T (#3)	Satellite	Hazardous	Misc Organic/Hg + Waste Benzene/Hg	D001/F-List F005/D009
SRL-TNX	682-T (PHEF)	Staging	Hazardous	Benzene	D001
SRL-TNX	674-T (Bone yard)	Satellite	Hazardous	Waste Oil	8888
Construction	Central Shops (Paint Shops)	Staging	Hazardous	Waste Paint Solvents	F003/F005
Construction	Central Shops (Oil Stg. Area)	Staging	Hazardous	Waste Oil	8888
Construction	S-Area Concrete Plant	Satellite	Hazardous	Waste Oil	8888
Construction	S-Area Trans. Repair Shop	Staging	Hazardous	Waste Oil	8888
Construction	S-Area Paint Storage	Staging	Hazardous	Waste Paint Solvent	F003/F005

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APPENDIX B

**SOLID WASTE MANAGEMENT UNITS HAVING RECEIVED HAZARDOUS WASTE OR
HAZARDOUS CONSTITUENTS WITH NO KNOWN RELEASE
TO THE ENVIRONMENT**

- **OTHER UNITS**

APPENDIX B WORKSHEET

Name of Unit(s)/Building No.(s)

M-Area Air Stripper/323-M

B.1 Description of the unit:

Capacity 400-GPM

Dimensions 70" X 4 1/2' Diameter

Materials of construction

Stainless Steel

Other

B.2 Description of waste placed in the unit:

General

Contaminated groundwater is withdrawn and pumped to the air stripper
for chlorocarbons removal. All discharges to the environment
(CAA, CWA-NPDES) are permitted. Unit started 4/85. Ref: SCDHEC Air
Permit 0080-0055-04

<u>Hazardous Components</u>	<u>Quantity</u>
<u>Trichloroethylene</u>	
<u>Tetrachloroethylene</u>	<u>157,766 lbs.*</u>
<u>1,1,1-Trichloroethane</u>	

*Estimate is total air emissions for all chlorocarbons emitted from air
stripper from April 1985 startup date to April 1989.

B.3 Description of monitoring:

Ongoing

Weekly analysis of influent and effluent streams

Planned

B.4 Description of inspections and frequency:

Entries are placed in an operating log twice daily; flow rate and
operational status are entered.

APPENDIX B WORKSHEET

Name of Unit(s)/Building No.(s)

Beta-Gamma Incinerator/230-H

B.1 Description of the unit:

Capacity 400 lbs/hr Solids

40 gal/hr Liquids

Dimensions Two chambers, each

6.5' O.D. x 14' long

Materials of construction

Carbon steel shell with refractory lining.

Other

Dates of waste receipt: 1985 - 1988. Off gas system consists of a carbon steel spray quench tower with a 321 SS inlet section, CS ductwork, a CS baghouse, ID blowers and stack, and a 304 L SS HEPA filter housing.

B.2 Description of waste placed in the unit:

General

This incinerator received "job control" waste packed in 24", 21", and 15" square cardboard cartons, lined with polyethylene and Spent Purex solvent (n-paraffin with 15-25% tributylphosphate stored in one 500-gallon and one 5,000-gallon tank). Ref: SCDHEC Air Permit SC0080-0046ID04. Tritiated oil was burned periodically for energy recovery.

Hazardous Components

Quantity

Waste oil; is South Carolina but not Federal hazardous waste

Burned as a supplemental fuel

B.3 Description of monitoring:

Ongoing

Monitoring consisted of continuous air monitoring of the exhaust stack, ashout enclosures, process area, and feed-storage area.

Planned

B.4 Description of inspections and frequency:

Inspections performed while facility was operated included: semi-annual interlock check-out; semi-annual criticality inspection; semi-annual stack monitoring; semi-annual testing of fire suppression system.

APPENDIX B WORKSHEET

Name of Unit(s)/Building No.(s)

Central Shops Sludge Lagoon/Bldg. 080-24G

B.1 Description of the unit:

Capacity 100,000 gal

Dimensions 60' x 40' x 5'

Materials of construction

Excavated earthen basin

Other

Date of waste receipts: 1955 (estimated) - 1988. Closure was completed in 1989. During final sampling, chlordane was discovered. This site is now in the RFI Program.

B.2 Description of waste placed in the unit:

General

The site received stabilized sludge from extended aeration activated sludge sewage treatment plants. Also, some (estimated 200 gallons) asphalt from a spill entered the basin in the early 1970's.

Hazardous Components

Quantity (3/7/89)

Alpha Chlordane

Range of 3.83-5.88 µg/kg

Gamma Chlordane

Range of 3.19-6.54 µg/kg

Tech Chlordane

13.1 µg/kg

B.3 Description of monitoring:

Ongoing

None

Planned

This site is in the RFI Program.

APPENDIX B WORKSHEET

Name of Unit(s)/Building No.(s)

K-Area Sludge Land Application Site/Bldg. 761-4G

B.1 Description of the unit:

Capacity N/A

Dimensions 20 Acres

Materials of construction

Earthen area

Other

Dates of waste receipt: 1980. This site is located southeast of K-Area on the west bank of Pen Branch upstream of the Indian Grave Branch confluence. This site is closed.

B.2 Description of waste placed in the unit:

General

This site received 350,000 gallons of liquid sludge in December 1980. Hardwood trees and loblolly pines were planted at this site in February 1981. During closure of the Central Shops Sludge Lagoon (080-24G) sludge from the lagoon was deposited at this site. Later it was discovered that the sludge contained chlordanes. This site has been placed in the RFI Program.

<u>Hazardous Components</u>	<u>Quantity (3/7/89)</u>
<u>Alpha Chlordane</u>	<u>Composite Samples: Range of <2-15.5 µg/kg</u> <u>Sludge Samples: Range of 777-7070 µg/kg</u>
<u>Gamma Chlordane</u>	<u>Composite Samples: Range of 62-16.5 µg/kg</u> <u>Sludge Samples: Range of 878-7530 µg/kg</u>
<u>Tech Chlordane</u>	<u>Composite Samples: Range of <8-90.2 µg/kg</u> <u>Sludge Samples: Range of 3820-32,300 µg/kg</u>

B.3 Description of monitoring:

Ongoing

Groundwater monitoring wells sampled quarterly. Data code is KSS.

Planned

APPENDIX B WORKSHEET

Name of Unit(s)/Building No.(s)

Par Pond Sludge Land Application Site/Bldg. 761-5G

B.1 Description of the unit:

Capacity N/A

Dimensions 20 Acres

Materials of construction

Earthen area

Other

Dates of waste receipt: 1980. The site is located near Par Pond.

B.2 Description of waste placed in the unit:

General

During closure of the Central Shops Sludge Lagoon (080-24G) sludge from the lagoon was deposited at this site (December 1980). Later it was discovered that the sludge contained chlordane. The site has been placed in the RFI Program.

Hazardous Components

Quantity (3/7/89)

Alpha Chlordane

Composite Samples: Range of <2-28.9 µg/kg

Sludge Samples: Range of 18,800-20,400 µg/kg

Gamma Chlordane

Composite Samples: Range of 2-33.1 µg/kg

Sludge Samples: Range of 20,100-23,100 µg/kg

Tech Chlordane

Composite Samples: Range of 8-199 µg/kg

Sludge Samples: Range of 121,000-140,000 µg/kg

B.3 Description of monitoring:

Ongoing

Groundwater monitoring wells sampled quarterly. Data code is PSS.

Planned

APPENDIX C

SOLID WASTE MANAGEMENT UNITS HAVING RECEIVED NO HAZARDOUS WASTE OR HAZARDOUS CONSTITUENTS

- **WASTE DISPOSAL SITES**
- **SANITARY WASTE TREATMENT FACILITIES**
- **OTHER UNITS**

APPENDIX C

**SOLID WASTE MANAGEMENT UNITS HAVING RECEIVED NO HAZARDOUS WASTE
OR HAZARDOUS CONSTITUENTS**

• WASTE DISPOSAL SITES

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

- (1) R-Area Asbestos Pit/Bldg. 080-1R
(2) D-Area Asbestos Pit/Bldg. 080-20G

C.1 Description of the unit:

Capacity	<u>Unknown</u>	Dimensions	<u>(1) 70' x 280'</u>
			<u>(2) 556' x 294' x</u>
			<u>503' x 160' x 100'</u>

Materials of construction

Excavated earthen pit

Other

Dates of waste receipt: 1980 - 1981, 1973 - 1974. These sites are
inactive. Depth of pit is unknown.

C.2 Description of waste placed in the unit:

General

The site contains asbestos insulation and piping (4250 ft³) from
R-Area steam lines. The site was active for four months during disposal
and asbestos, metal pipe, and scrap generated during deactivation of the
heavy water production unit in 1973.

Summary of data or operating information to lead to the nonhazardous description:

Closure of pits conformed with requirements for asbestos disposal. Both
pits were covered with a minimum of six inches of compacted fill, graded
to minimize erosion, seeded, and fertilized. There are no records of
hazardous wastes or hazardous constituents disposed of at these sites.

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

C-Area Asbestos Pit/Bldg. 080-21G

C.1 Description of the unit:

Capacity	<u>Unknown</u>	Dimensions	<u>Approx. 0.41 acre</u> <u>(60' x 300')</u>
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Materials of construction

Excavated earthen pit

Other

Dates of waste receipt: 1978 - 1980. Site extends 300' north and 60'
east of N 69212, E 49625. This site is inactive, covered with soil, and
seeded. Depth of pit is unknown.

C.2 Description of waste placed in the unit:

General

The site contains asbestos waste, metal pipe, plastic bags with
asbestos, and piping insulation.

Summary of data or operating information to lead to the nonhazardous description:

Closure of pit conformed with requirements for asbestos disposal.
There are no records of hazardous wastes or hazardous constituents at
this site.

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

C-Area Asbestos Pit/Bldg. 080-22G

C.1 Description of the unit:

Capacity Unknown Dimensions Approx. 0.4 acre
(60' x 300')

Materials of construction

Excavated earthen pit

Other

Dates of waste receipt: 1980 - 1984. Site is approx. 60' x 300' at the
following coor.: N 69212, E 49685; N 69512, E 49685, N 69212, E 49745,
N 69512, E 48745. This site is inactive, covered with soil, and seeded.
Depth of pit is unknown.

C.2 Description of waste placed in the unit:

General

The site contains asbestos waste, metal pipe, plastic bags with insula-
tion, and piping insulation.

Summary of data or operating information to lead to the nonhazardous description:

Closure of pit conformed with requirements for asbestos disposal.
There are no records of hazardous wastes or hazardous constituents dis-
posed of at this site.

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

H-Area Erosion Control Site/Bldg. 080-25G

C.1 Description of the unit:

Capacity N/A Dimensions Approx. 15 acres

Materials of construction

Site is natural earthen area.

Other

Dates of waste receipt: 1980 (estimated) - Present. Coord. N 71000,
E 60000 is the estimated center. This site is currently active.

C.2 Description of waste placed in the unit:

General

The site contains asphalt, brick, waste concrete, soil spoil, tree
trunks to control erosion from soil borrow area.

Summary of data or operating information to lead to the nonhazardous description:

Operating procedures are for the site to receive inert, nonhazardous
materials typical of construction fill sites. There are no records of
hazardous wastes or hazardous constituents disposed of at these sites.

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

L-Area Erosion Control Site/Bldg. 080-26G

C.1 Description of the unit:

Capacity N/A Dimensions Approx. 6 acres

Materials of construction

Site is natural earthen area

Other

Dates of waste receipt: 1980 (estimated) - Present. Coord. N 50500,
E 49000 is the estimated center. This site is currently active.

C.2 Description of waste placed in the unit:

General

The site contains asphalt, brick, waste concrete, soil spoil, tree
trunks to control erosion from soil borrow area.

Summary of data or operating information to lead to the nonhazardous description:

Operating procedures are for the site to receive inert nonhazardous ma-
terials typical of construction fill sites. There are no records of
hazardous wastes or hazardous constituents disposed of at this site.

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

Substation 51 Erosion Control Site/Bldg. 080-27G

C.1 Description of the unit:

Capacity Unknown

Dimensions 4000 sq. ft.

Materials of construction

Earthen areas

Other

Dates of waste receipt: Unknown. Eroded area located north of
substation 51 near D-Area. This site is inactive.

C.2 Description of waste placed in the unit:

General

The site contains asphalt, waste concrete, brick, roofing materials, and
tree stumps covered with soil to control erosion from soil borrow areas.

Summary of data or operating information to lead to the nonhazardous description:

Operating procedures were for these sites to receive inert, nonhazardous
materials typical of construction fill sites. There are no records of
hazardous wastes or hazardous constituents disposed of at this site.

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

F-Area Erosion Control Site/Bldg. 080-28G

C.1 Description of the unit:

Capacity N/A Dimensions Approx. 2.07 Acres

Materials of construction

Site is natural earthen area.

Other

Dates of waste receipt: 1980 (estimated) - 1984. Coord. N 79900,
E 48750 is the estimated center. This site is inactive, covered with
soil, and seeded

C.2 Description of waste placed in the unit:

General

The site contains asphalt, waste concrete, soil spoil, brick, tree
trunks to control erosion from soil borrow area.

Summary of data or operating information to lead to the nonhazardous description:

Operating procedures were for the site to receive inert, nonhazardous
materials typical of construction fill sites. There are no records of
hazardous wastes or hazardous constituents being disposed of at this
site.

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

Gunsite 51 Rubble Pile/Bldg. 080-29G

C.1 Description of the unit:

Capacity Unknown Dimensions Unknown

Materials of construction

Excavated earthen pit

Other

Dates of waste receipt: Unknown - 1986. Military personnel manned anti-aircraft gun emplacements at SRP from 1955 to 1957. Support facilities at the gunsites included barracks, mess halls, administration buildings, underground fuel storage tanks, and septic tanks. These sites are inactive.

C.2 Description: waste placed in the unit:

General

The sites contain concrete, roofing materials, bricks, glass, metal and lumber.

Summary of data or operating information to lead to the nonhazardous description:

The facilities were dismantled or abandoned in 1961. Rubble piles generated from dismantling remained on the foundations at a number of buildings. Foundations were cleared of rubble in 1986. There are no records of hazardous wastes or hazardous constituents disposed of at these sites.

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

(1) Gunsite 102 Rubble Pile/Bldg. 080-30G

(2) Gunsite 113 Rubble Pile/631-15G

C.1 Description of the unit:

Capacity Unknown

Dimensions Unknown

Materials of construction

Excavated earthen pit

Other

Dates of waste receipt: Unknown, Unknown. Military personnel manned anti-aircraft gun emplacements at SRP from 1955 to 1957. Support facilities at the gun emplacements included storage sheds, underground fuel storage tanks, and septic tanks. These sites are inactive. Gunsite 113 Rubble Pile is closed.

C.2 Description of waste placed in the unit:

General

This site contains concrete, roofing materials, brick, glass, metal, and lumber.

Summary of data or operating information to lead to the nonhazardous description:

The gun emplacements were dismantled or abandoned in 1961. The storage buildings have been removed. There are no records of hazardous wastes or hazardous constituents disposed of at this site.

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

Gunsite 72 Rubble Pile/Bldg. 080-31G

C.1 Description of the unit:

Capacity Unknown Dimensions Unknown

Materials of construction

Excavated earthen pit

Other

Dates of waste receipt: Unknown - 1986. Military personnel manned anti-aircraft gun emplacements at SRP from 1955 to 1957. Support facilities at the gunsites included barracks, mess halls, administration buildings, underground fuel storage tanks, and septic tanks. These sites are inactive.

C.2 Description of waste placed in the unit:

General

The sites contain concrete, roofing materials, bricks, glass, metal and lumber.

Summary of data or operating information to lead to the nonhazardous description:

The facilities were dismantled or abandoned in 1961. Rubble piles generated from dismantling remained on the foundations at a number of buildings. Foundations were cleared of rubble in 1986. There are no records of hazardous wastes or hazardous constituents disposed of at these sites. Soil gas surveys conducted April, 1988 indicate this site never received chlorinated solvents.

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

C-Area Erosion Control Site/Bldg. 131-1C

C.1 Description of the unit:

Capacity 125,000 ft³ Dimensions 25' x 1000' x 5'

Materials of construction

Earthen areas

Other

Dates of waste receipt: Unknown. Eroded area located near the west side of 100-C effluent canal.

C.2 Description of waste placed in the unit:

General

The site contains asphalt, waste concrete, brick, roofing materials, and tree stumps covered with soil to control erosion from soil borrow areas.

Summary of data or operating information to lead to the nonhazardous description:

Operating procedures were for these sites to receive inert, nonhazardous materials typical of construction fill sites. There are no records of hazardous wastes or hazardous constituents disposed of at these sites.

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

Gas Cylinder Disposal Area/Bldg. 131-2L

C.1 Description of the unit:

Capacity Unknown Dimensions 14' x 27'

Materials of construction

Excavated earthen pit

Other

Dates of waste receipt: Unknown - 1977. Located adjacent to L-Area
Burning/Rubble Pit 131-L. This site is inactive. Depth of pit is
unknown.

C.2 Description of waste placed in the unit:

General

The site contains 28 empty gas cylinders. The cylinders have been
covered with concrete.

Summary of data or operating information to lead to the nonhazardous description:

All cylinders were vented prior to burial. There are no records of
hazardous wastes or hazardous constituents disposed of at this site.

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

L-Area Rubble Pit/Bldg. 131-3L

C.1 Description of the unit:

Capacity Unknown Dimensions Approx. 18 Acres
(300' x 2640')

Materials of construction

Excavated earthen pit

Other

Dates of waste receipt: 1973 (estimated) - 1983 (estimated). This site
is inactive. Depth of pit is unknown.

C.2 Description of waste placed in the unit:

General

The site contains concrete, brick, tile, asphalt, hard plastics, glass,
rubber products, and nonreturnable empty drums.

Summary of data or operating information to lead to the nonhazardous description:

Operating procedures were for the site to receive inert, nonhazardous
materials. There are no records of hazardous waste or hazardous
constituents disposed of at this site.

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

L-Area Rubble Pit/Bldg. 131-4L

C.1 Description of the unit:

Capacity Unknown Dimensions Approx. 0.07 acre
(55' x 56')

Materials of construction

Excavated earthen pit

Other

Date of waste receipt: 1973 (estimated) - 1983 (estimated). Coor.
55' east and 56' south of N 47612.5, E 52730.0. This site is inactive.
Depth of pit is unknown.

C.2 Description of waste placed in the unit:

General

The site contains inert rubble from the demolition of a powerhouse stack
and silo. The rubble consisted primarily of metal and concrete.

Summary of data or operating information to lead to the nonhazardous description:

Operating procedures were for the site to receive inert, nonhazardous
materials. There are no records of hazardous wastes or hazardous
constituents disposed of at this site.

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

P-Area Erosion Control Site/Bldg. 131-1P

C.1 Description of the unit:

Capacity 10,800 ft³

Dimensions 12' x 75' x 12'

Materials of construction

Earthen areas

Other

Dates of waste receipt: Unknown. Eroded area located on the north side of 100-P effluent to Steel Creek. These sites are inactive.

C.2 Description of waste placed in the unit:

General

The site contains asphalt, waste concrete, brick, roofing materials, and tree stumps covered with soil to control erosion from soil borrow areas.

Summary of data or operating information to lead to the nonhazardous description:

Operating procedures were for these sites to receive inert, nonhazardous materials typical of construction fill sites. There are no records of hazardous wastes or hazardous constituents disposed of at these sites.

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

R-Area Rubble Pit/Bldg. 131-2R

C.1 Description of the unit:

Capacity Unknown

Dimensions 115' x 184'

Materials of construction

Excavated earthen pit

Other

Dates of waste receipt: Unknown. This site is inactive. Depth of pit
is unknown.

C.2 Description of waste placed in the unit:

General

The site contains concrete, lumber, metal, and poles.

Summary of data or operating information to lead to the nonhazardous description:

Operating procedures were for the site to receive inert, nonhazardous
materials. There are no records of hazardous wastes or hazardous
constituents disposed of at this site.

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

C-Area Ash Pile/Bldg. 188-C

C.1 Description of the unit:

Capacity	<u>17,500 cu. yds.</u>	Dimensions	<u>Irregular shape</u>
			<u>2.7 acres; 4 ft deep</u>

Materials of construction

Excavated earthen pit

Other

Dates of waste receipt: 1954 - 1976. Ash Pile 188-C was merged with
Ash Pile 188-1C in 1978 and stabilized.

C.2 Description of waste placed in the unit:

General

Coal Ash

Summary of data or operating information to lead to the nonhazardous description:

See D-Area Ash Basin 488-D.

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

C-Area Ash Pile/Bldg. 188-1C

C.1 Description of the unit:

Capacity 23,500 cu. yds. Dimensions Irregular Shape
1-1/4 acres; 12 ft deep

Materials of construction

Excavated earthen pit

Other

Dates of waste receipt: 1976 - 1978. Ash Pile 188-1C was merged with
Ash Pile 188-C in 1978 and stabilized.

C.2 Description of waste placed in the unit:

General

Coal Ash

Summary of data or operating information to lead to the nonhazardous description:

See D-Area Ash Basin 488-D.

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

C-Area Ash Pile/Bldg. 188-2C

C.1 Description of the unit:

Capacity 18,000 cu. yds. Dimensions 400 ft x 300 ft x 4 ft

Materials of construction

Excavated earthen basin

Other

Dates of waste receipt: 1978 - 1984.

C.2 Description of waste placed in the unit:

General

Coal Ash

Summary of data or operating information to lead to the nonhazardous description:

See D-Area Ash Basin 488-D.

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

K-Area Ash Basin/Bldg. 188-K

C.1 Description of the unit:

Capacity 220,000 cu. yds. Dimensions Irregular shape
11.5 acres; 14 ft deep

Materials of construction

Excavated earthen basin

Other

Dates of waste receipt: 1954 - Present.

C.2 Description of waste placed in the unit:

General

Coal Ash

Summary of data or operating information to lead to the nonhazardous description:

See D-Area Ash Basin 488-D.

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

L-Area Ash Basin/Bldg. 188-L

C.1 Description of the unit:

Capacity 385,000 cu. yds.

Dimensions Irregular shape
18.4 acres; 15 ft deep

Materials of construction

Excavated earthen pit

Other

Dates of waste receipt: 1953 - 1968.

C.2 Description of waste placed in the unit:

General

Coal Ash

Summary of data or operating information to lead to the nonhazardous description:

See D-Area Ash Basin 488-D.

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

P-Area Ash Basin/Bldg. 188-P

C.1 Description of the unit:

Capacity 255,000 cu. yds. Dimensions 700' x 800' x 15'

Materials of construction

Excavated earthen basin

Other

Dates of waste receipt: 1953 - Present.

C.2 Description of waste placed in the unit:

General

Coal Ash

Summary of data or operating information to lead to the nonhazardous description:

See D-Area Ash Basin 488-D.

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

R-Area Ash Basin/Bldg. 188-R

C.1 Description of the unit:

Capacity 230,000 cu. yds. Dimensions Irregular Shape
11 acres; 15 ft. deep

Materials of construction

Excavated earthen basin

Other

Dates of waste receipt: 1953 - 1964.

C.2 Description of waste placed in the unit:

General

Coal Ash

Summary of data or operating information to lead to the nonhazardous description:

See D-Area Ash Basin 488-D.

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

C-Area Coal Pile Runoff Basin/Bldg. 189-C

C.1 Description of the unit:

Capacity 113,000 cu. ft. Dimensions 127' x 127' x 7.5'

Materials of construction

Excavated earthen basin

Other

Dates of waste receipt: Unknown - 1984. This site is in the RFI
Program.

C.2 Description of waste placed in the unit:

General

Coal pile runoff from precipitation

Summary of data or operating information to lead to the nonhazardous description:

Laboratory analyses of groundwater indicated all metals were within non-
hazardous parameters.

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

F-Area Scrap Lumber Pile/Bldg. 231-3F

C.1 Description of the unit:

Capacity N/A Dimensions 200' x 400'

Materials of construction

Native soil

Other

Dates of waste receipt: 1977 - Present.

C.2 Description of waste placed in the unit:

General

The site contains scrap lumber, crates, pallets, poles, etc., which are periodically burned with SCDHEC concurrence. Railroad ties are currently stored in the same general area as this site; the railroad ties will not be burned.

Summary of data or operating information to lead to the nonhazardous description:

Operating procedures are for this site to receive inert, nonhazardous materials. There are no records of hazardous wastes or hazardous constituents disposed of at this site.

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

F-Area Ash Basin/Bldg. 288-F

C.1 Description of the unit:

Capacity 140,000 cu. yds. Dimensions 1000' x 300' x 15'

Materials of construction

Excavated earthen basin

Other

Dates of waste receipt: 1953 - 1985.

C.2 Description of waste placed in the unit:

General

Coal Ash

Summary of data or operating information to lead to the nonhazardous description:

See D-Area Ash Basin 488-D.

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

F-Area Ash Basin/Bldg. 288-1F

C.1 Description of the unit:

Capacity 36,000 cu. yds. Dimensions 550' x 300' x 8'

Materials of construction

Excavated earthen basin

Other

Dates of waste receipt: Mid 1970's. Closure is anticipated
2 QY 1990.

C.2 Description of waste placed in the unit:

General

Coal Ash

Summary of data or operating information to lead to the nonhazardous description:

See D-Area Ash Basin 488-D.

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

H-Area Ash Basin/Bldg. 288-H

C.1 Description of the unit:

Capacity 143,000 cu. yds. Dimensions Irregular shape
12.5 acres; 9 ft deep

Materials of construction

Excavated earthen basin

Other

Dates of waste receipt: 1954 - Present.

C.2 Description of waste placed in the unit:

General

Coal Ash

Summary of data or operating information to lead to the nonhazardous description:

See D-Area Ash Basin 488-D.

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

F-Area Coal Pile Runoff Basin/Bldg. 289-F

C.1 Description of the unit:

Capacity 342,000 cu. ft. Dimensions 220' x 220' x 8'

Materials of construction

Excavated earthen basin

Other

Dates of waste receipt: Unknown - 1985. This site is in the
RFI Program.

C.2 Description of waste placed in the unit:

General

Coal pile runoff from precipitation

Summary of data or operating information to lead to the nonhazardous description:

Laboratory analyses indicated all metals were within non-hazardous
parameters.

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

D-Area Rubble Pit/Bldg. 431-2D

C.1 Description of the unit:

Capacity Unknown

Dimensions 232' x 386'

Materials of construction

Excavated earthen pit

Other

Dates of waste receipt: Unknown. This site is inactive. Depth of pit
is unknown.

C.2 Description of waste placed in the unit:

General

The site contains metal, concrete, lumber, and poles.

Summary of data or operating information to lead to the nonhazardous description:

Operating procedures were for the site to receive nonhazardous
materials. There are no records of hazardous wastes or hazardous
constituents disposed of at this site.

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

D-Area Ash Basin/Bldg. 488-D

C.1 Description of the unit:

Capacity 540,000 cu. ft. Dimensions 1700' x 1000' x 12'

Materials of construction

Excavated earthen basin

Other

Dates of waste receipt: 1952 - Present. This site is in the
RFI Program.

C.2 Description of waste placed in the unit:

General

Coal ash and powerhouse coal mill rejects.

Summary of data or operating information to lead to the nonhazardous description:

Ash samples from A-, D-, H-, K-, and P-Area Ash Basins were sampled and
analyzed using EP Toxicity Tests. All samples were found not to
contain hazardous constituents greater than EP Toxicity standards.

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

D-Area Ash Basin/Bldg. 488-D (Section known internally as 488-1D)

C.1 Description of the unit:

Capacity 590,000 cu. yds. Dimensions 1700' x 1075' x 12'

Materials of construction

Excavated earthen basin

Other

Dates of waste receipt: 1977 - Present.

C.2 Description of waste placed in the unit:

General

Coal ash.

Summary of data or operating information to lead to the nonhazardous description:

See D-Area Ash Basin 488-D.

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

D-Area Ash Basin/Bldg. 488-D (Section known internally as 488-2D)

C.1 Description of the unit:

Capacity 240,000 cu. yds. Dimensions 1550' x 425' x 12'

Materials of construction

Excavated earthen basin

Other

Dates of waste receipt: 1980 - Present.

C.2 Description of waste placed in the unit:

General

Turbid liquid discharge from D-Area Ash Basin 488-1D.

Summary of data or operating information to lead to the nonhazardous description:

See D-Area Ash Basin 488-D.

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

Central Shops Scrap Lumber Pile/Bldg. 631-2G

C.1 Description of the unit:

Capacity N/A

Dimensions Approx. 2.07 acres
Approx. 300' x 300'

Materials of construction

Native soil

Other

Dates of waste receipt: 1975 - Present. Coord. N 65000, E 52800 as the
estimated center. This site is currently active.

C.2 Description of waste placed in the unit:

General

The site receives metal rubble, scrap lumber, poles, crates, pallets,
unsalvageable wood products, etc. These wood products are burned
periodically with SCDHEC concurrence.

Summary of data or operating information to lead to the nonhazardous description:

Operating procedures are for the site to receive inert, nonhazardous
material. There are no records of hazardous wastes or hazardous consti-
tuents disposed of at this site. There have been no hazardous consti-
tuents detected in the groundwater monitoring wells installed in the
vicinity of the site. Well data code is CSR.

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

Miscellaneous Rubble Pile/Bldg. 631-7G

C.1 Description of the unit:

Capacity N/A

Dimensions .5 acre

Materials of construction

Native soil

Other

Dates of waste receipt: Unknown. Site is located adjacent to the SRL
Oil Test Site at Central Shops. This site is inactive.

C.2 Description of waste placed in the unit:

General

The site received miscellaneous inert rubble, asphalt piles, wooden
construction frames.

Summary of data or operating information to lead to the nonhazardous description:

Unauthorized rubble disposal. There are no records of hazardous wastes
or hazardous constituents disposed of at this site. Visual inspection
of the material at the site supports this position.

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

3G Pumphouse Erosion Control Site/Bldg. 631-8G

C.1 Description of the unit:

Capacity N/A

Dimensions

Approx. 1.0 acre

110' x 143' x 311' x

379'

Materials of construction

Site is natural earthen area.

Other

Dates of waste receipt: 1980 - Present. Coord. N 67500, E 17100 as the
estimated center. This site is currently active.

C.2 Description of waste placed in the unit:

General

The site contains concrete, asphalt, poles, tree trunks, soil spoil to
control erosion from soil borrow area.

Summary of data or operating information to lead to the nonhazardous description:

Operating procedures are for the site to receive inert, nonhazardous,
materials typical of construction fill sites. There are no records of
hazardous wastes or hazardous constituents disposed of at this site.

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

TNX Burying Ground 643-5G

C.1 Description of the unit:

Capacity	Dimensions	Trapezoidal area: 78m ²
Trapezoidal 156m ³ (1680 ft ³)		(840 ft ²)
Rectangular 60m ³ (646 ft ³)		Rectangular area: 30m ² (320 ft ²)
L-Shaped 520m ³ (5600 ft ³)		L-Shaped area: 260m ² (2800 ft ²)
Suspected 160m ³ (1720 ft ³)		Suspected area: 80m ² (850 ft ²) all 2m deep

Materials of construction

Other

Dates of waste receipt: 1953. This site received a one-time burial prior to completion of the 643-G Burial Ground. In 1984, the wastes were excavated and transferred to 643-7G.

C.2 Description of waste placed in the unit:

General

This site received conduit, drums, tin, structural steel contaminated with uranyl nitrate and depleted uranium from pilot-scale tests conducted at TNX in support of production operations.

Summary of data or operating information to lead to the nonhazardous description:

Most of the material buried at TNX was excavated and sent to the SRP Burial Grounds from 1980 to 1984. The remaining waste materials lie buried beneath asphalt, buildings, and transformer pads at depths of approximately 1.8 to 2.4m below grade. An estimated 27 kg of uranyl nitrate remains buried at the TNX Burying Ground, constituting approximately 5% of the initial inventory buried. Neither hazardous waste nor hazardous waste constituents were disposed of at this site.

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

Ford Building Waste Site/Bldg. 643-11G

C.1 Description of the unit:

Capacity Unknown

Dimensions 22' x 169'

Materials of construction

Excavated earthen area

Other

Dates of waste receipt: Unknown. Site has chain-link fence on three sides. One half of site is marked with a "Clean Pans Only" sign, the other half with a "Regulated Area" sign. This site is inactive.

C.2 Description of waste placed in the unit:

General

The site contains a load lugger pan which contains soiled plastic gloves, lumber and weathered shoe covers, step-off pads, and coveralls.

Summary of data or operating information to lead to the nonhazardous description:

It is believed that work on a radioactive regulated piece of equipment was once performed here and the site never properly cleaned. Radioactive bits were detected in June 1988. There are no records of hazardous wastes or hazardous constituents disposed of at this site.

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

Metals Burning Pit/Bldg. 731-4A

C.1 Description of the unit:

Capacity N/A

Dimensions 120 x 120m

Materials of construction

Surface piles of burned and discarded materials; closed in 1974 by
grading and covering.

Other

Dates of waste receipt: 1960 - 1974. This site is in the RFI Program
and RFI plans have been issued. RFI field work nearly complete as of
July 1989.

C.2 Description of waste placed in the unit:

General

Periodic burning of lithium/aluminum alloy (with low wt. % lithium)
scrap, aluminum turnings, plastic pipe, miscellaneous metal scrap, and
empty drums.

Summary of data or operating information to lead to the nonhazardous description:

There are no records of hazardous wastes or hazardous constituents
disposed of at this site. Quarterly groundwater monitoring is
continuing and a soil characterization is planned in 1989. Well data
code is ABP (DPSPU-86-30-1, Vol. II, pp. 190, 258). See page B-28 for
clarification of data code.

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

A-Area Miscellaneous Rubble Pile/Bldg. 731-6A

C.1 Description of the unit:

Capacity N/A

Dimensions 25' x 700'

Materials of construction

Native soil

Other

Dates of waste receipt: Unknown. Unauthorized waste piles located south and adjacent to Road D-1, .25 miles east of Road D. This site is inactive. This site is in the RFI Program.

C.2 Description of waste placed in the unit:

General

This site contains miscellaneous rubble including asphalt, cans, lumber, brick, concrete block, scrap metal and plastic.

Summary of data or operating information to lead to the nonhazardous description:

Unauthorized rubble disposal. There are no records of hazardous wastes or hazardous constituents disposed of at this site. Visual inspection of the material at the site supports this position.

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

40-Acre Hardwood Site/Bldg. 761-G

C.1 Description of the unit:

Capacity N/A

Dimensions 40 acres

Materials of construction

Earthen area

Other

Dates of waste receipt: 1981 (estimated). This site is located
southeast of the intersection of SRP Road A and Road 6. This site is
closed.

C.2 Description of waste placed in the unit:

General

This site received sewage sludge used as fertilizer and soil conditioner
on newly planted hardwood trees at this site.

Summary of data or operating information to lead to the nonhazardous
description:

Nonhazardous sewage sludge was applied to this site. There have been no
hazardous constituents detected in the groundwater monitoring wells
installed in the vicinity of this site. Analyses from wells at this
site are attached (Wells 1-3).

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

Lower Kato Road Site/Bldg. 761-1G

C.1 Description of the unit:

Capacity N/A

Dimensions 50 acres

Materials of construction

Earthen area

Other

Dates of waste receipt: 1981. This site is a 50-acre plantation of
loblolly pines that were planted in 1978. Sludge was applied to the
site in 1981. This site is closed.

C.2 Description of waste placed in the unit:

General

This site received offsite municipal liquid and solid sludge.

Summary of data or operating information to lead to the nonhazardous description:

Nonhazardous sewage sludge was applied to this site. There have been no
hazardous constituents detected in the groundwater monitoring wells in-
stalled in the vicinity of this site. Analyses from wells at this site
are attached (Wells 4-6).

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

Orangeburg Site/Bldg. 761-2G

C.1 Description of the unit:

Capacity N/A

Dimensions Unknown

Materials of construction

Earthen area

Other

Dates of waste receipt: 1981. This site is a 32-year-old stand of
loblolly pine trees. This site is closed.

C.2 Description of waste placed in the unit:

General

This site received offsite sewage sludge in June 1981.

Summary of data or operating information to lead to the nonhazardous description:

Nonhazardous sewage sludge was applied to this site. There have been
no hazardous constituents detected in the groundwater monitoring wells
installed in the vicinity of this site. Analyses from wells at this
site are attached (Wells 7-9).

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

Lucy Site/Bldg. 761-3G

C.1 Description of the unit:

Capacity N/A

Dimensions Unknown

Materials of construction

Earthen area

Other

Dates of waste receipt: 1981. This site is a 32-year-old stand of
loblolly pine trees located southeast of the intersection of SRP Road 2
and Road F. This site is closed.

C.2 Description of waste placed in the unit:

General

This site received offsite sewage sludge in July 1981.

Summary of data or operating information to lead to the nonhazardous description:

Nonhazardous sewage sludge was applied to this site. There have been
no hazardous constituents detected in the groundwater monitoring wells
installed in the vicinity of this site. Analyses from wells at this
site are attached (Wells 10-12).

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

Kato Road Site/Bldg. 761-6G

C.1 Description of the unit:

Capacity N/A

Dimensions 35 Acres

Materials of construction

Earthen area

Other

Dates of waste receipt: 1981. This site is a 35-acre pine plantation
that was treated in February and March 1981.

C.2 Description of waste placed in the unit:

General

This site received a total of 600,000 gallons of liquid and 300 tons
of solid sludge.

Summary of data or operating information to lead to the nonhazardous description:

Nonhazardous sewage sludge was applied to this site. There have been
no hazardous constituents detected in the groundwater monitoring wells
installed in the vicinity of this site. Analyses from wells at this
site are attached (Wells 19-21).

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

Road F Site/Bldg. 761-7G

C.1 Description of the unit:

Capacity N/A

Dimensions 10 acres

Materials of construction

Earthen area

Other

Dates of waste receipt: 1981. This site encompasses roughly ten acres
and is located north of SRP Road F and west of Upper Three Runs Creek.
This site is closed.

C.2 Description of waste placed in the unit:

General

This site received sludge applied at various loading rates in the autumn
1981 equivalent to 0, 400, and 800 lb N/Acre.

Summary of data or operating information to lead to the nonhazardous description:

Nonhazardous sewage sludge was applied to this site. There have been
no hazardous constituents detected in the groundwater monitoring wells
installed in the vicinity of this site. Analyses from wells at this
site are attached (Wells 22-24).

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

Second Par Pond Site/761-8G

C.1 Description of the unit:

Capacity N/A

Dimensions Approx. 20 acres

Materials of construction

Earthen area

Other

Dates of waste receipt: 1981 (estimated).

This site is closed.

C.2 Description of waste placed in the unit:

General

This site received sludge applied at various loading rates in 1981.

Summary of data or operating information to lead to the nonhazardous description:

Nonhazardous sewage sludge was applied to this site. There have been no hazardous constituents detected in the groundwater monitoring wells installed in the vicinity of this site. Analyses from wells at this site are attached (Wells 24-27).

WELL WATER ANALYSIS
SRL SANITARY SEWAGE APPLICATION SITES

Well Water Analysis
2/6/85

<u>Well</u>	<u>Date Collected</u>	<u>Depth (Meters)</u>	<u>pH</u>	<u>NO₂+NO₃ (mgN/L)</u>	<u>TDS (mg/L)</u>	<u>Na (mg/L)</u>	<u>Cl (mg/L)</u>	<u>Cond. μmho/cm</u>
1	1/29/85	10.86	4.69	1.20	36	1.65	2.25	15
2	1/29/85	3.77	4.51	0.83	32	2.04	3.75	25
3	1/29/85	3.44	4.72	0.70	46	1.94	1.50	25
4	1/29/85	19.68	4.24	0.40	20	1.47	2.00	10
5	1/29/85	14.14	4.77	1.67	37	2.31	3.50	30
6	1/29/85	9.35	4.62	0.71	22	1.28	2.50	15
7	1/30/85	18.25	4.38	2.64	49	3.29	5.25	40
8	1/30/85	14.59	4.69	0.89	36	1.63	1.50	15
9	1/30/85	14.46	4.57	0.73	28	1.03	1.25	12
10	1/29/85	21.64	4.20	2.80	57	6.96	10.5	50
11	1/29/85	21.67	4.27	1.24	32	3.42	3.50	25
12	1/29/85	20.28	4.18	1.17	30	3.30	3.75	25
13	1/30/85	16.04	4.44	0.78	34	2.67	4.50	25
14	1/30/85	16.04	4.44	0.78	34	2.67	4.50	25
14	1/30/85	8.70	4.63	0.57	23	1.27	2.25	15
15	1/30/85	6.22	4.46	0.20	26	1.46	2.50	15
16	1/30/85	11.41	4.51	1.09	29	0.99	1.25	15
17	1/30/85	7.62	4.20	1.13	18	1.25	1.75	20
18	1/30/85	5.57	4.53	0.78	25	0.87	1.75	12
19	1/29/85	14.00	4.70	1.22	35	3.23	2.75	25
20	1/29/88	22.75	4.50	1.82	42	1.66	2.50	25
21	1/29/85	27.78	4.63	0.24	38	2.83	7.50	25
22	1/29/85	13.20	44.69	2.27	37	2.20	1.25	20
23	1/29/85	13.71	4.68	0.78	26	1.08	1.50	12
24	1/29/85	18.100	4.42	0.84	19	1.29	1.50	15
25	1/30/85	2.18	5.45	0.17	48	6.62	6.62	55
26	1/30/85	6.35	4.41	1.40	37	3.69	4.25	30
27	1/30/85	11.63	4.41	1.31	34	2.43	2.75	20

**Well Water Analysis
6/10/85**

<u>Well</u>	<u>Date Collected</u>	<u>Depth (Meters)</u>	<u>pH</u>	<u>NO₂+NO₃ (mgN/L3)</u>	<u>TDS (mg/L)</u>	<u>Na (mg/L)</u>	<u>Cl (mg/L)</u>	<u>Cond. mmho/cm</u>
1	5/7/85	10.90	4.43	0.49	25	2.03	2.75	22
2	5/7/85	3.84	4.45	0.79	26	2.08	3.75	25
3	5/7/85	3.51	4.84	0.49	26	1.32	2.00	20
4	5/7/85	20.00	4.44	0.32	18	1.35	2.75	22
5	5/7/85	14.51	4.69	1.78	36	2.58	3.75	32
6	5/7/85	9.64	4.15	0.60	18	1.58	2.75	22
7	5/7/85	18.61	4.16	1.61	36	2.34	4.00	35
8	5/7/85	14.43	4.49	0.70	18	1.31	1.50	20
9	5/7/85	14.33	4.50	0.32	18	0.81	1.25	18
10	5/7/85	21.86	4.37	2.32	46	6.02	11.75	65
11	5/7/85	21.84	4.23	0.90	23	3.11	4.00	28
12	5/7/85	20.48	4.22	1.01	23	3.47	4.25	28
13	5/7/85	16.34	4.22	0.63	26	2.30	4.25	27
14	5/7/85	8.15	4.48	0.50	20	1.33	2.25	20
15	5/7/85	6.37	4.03	0.13	18	1.63	2.50	17
16	5/7/85	9.92	4.06	0.90	18	0.61	1.50	20
17	5/7/85	7.75	4.02	0.50	25	0.87	3.00	20
18	5/7/85	5.76	4.62	1.36	19	0.75	1.75	15
19	5/7/85	14.44	4.65	0.50	34	2.97	5.50	30
20	5/7/85	23.04	4.35	0.60	27	2.01	2.25	28
21	5/7/85	28.12	4.36	0.18	28	2.62	6.00	30
22	5/7/85	13.64	4.59	2.22	30	2.39	1.25	30
23	5/7/85	14.13	4.31	0.69	20	1.32	2.25	20
24	5/7/85	18.13	4.56	0.57	14	1.06	1.25	18
25	5/7/85	2.28	5.93	0.04	39	5.82	7.25	90
26	5/7/85	6.45	4.67	1.58	26	3.68	3.25	32

Well water analysis
8/14/85

Well	Date Collected	Depth (Meters)	pH	NO ₂ +NO ₃ (mgN/L3)	TDS (mg/L)	Na (mg/L)	Cl (mg/L)	Cond. mmho/cm
1	7/22/85	11.11	5.36	1.14	21	2.26	2.00	19
2	7/22/85	4.20	5.03	0.83	20	3.12	3.75	25
3	7/22/85	3.74	5.50	0.14	29	2.87	1.50	21
4	7/23/85	20.34	4.60	0.32	14	2.53	2.88	29
5	7/23/85	14.74	5.00	2.07	43	3.23	4.12	47
6	7/23/85	10.92	4.90	0.55	20	2.67	2.25	29
7	7/23/85	19.00	4.68	1.52	36	3.07	4.25	35
8	7/23/85	14.63	4.75	0.79	11	2.00	1.50	20
9	7/23/85	14.54	4.83	0.70	22	1.48	1.75	18
10	7/23/85	22.12	4.69	2.60	83	10.8	27.50	115
11	7/23/85	22.09	4.91	0.81	21	3.54	3.75	28
12	7/23/85	20.78	4.85	0.61	10	4.01	3.62	25
13	7/22/85	16.57	5.36	0.60	21	3.62	5.00	25
14	7/22/85	8.33	5.38	0.50	18	2.58	2.75	19
15	7/22/85	6.41	5.21	0.10	4	2.45	3.00	15
16	7/22/85	10.23	5.03	0.90	13	1.66	2.00	18
17	7/22/85	6.00	5.33	0.50	8	1.51	2.00	12
18	7/22/85	8.00	4.78	0.87	17	2.11	2.25	21
19	7/23/85	14.86	5.21	1.02	91	8.04	3.50	32
20	7/23/85	28.35	5.00	0.16	25	2.97	6.00	38
21	7/23/85	14.00	5.24	2.14	36	3.15	2.00	29
22	7/23/85	14.44	7.00	0.64	22	2.06	1.75	18
23	7/23/85	18.08	5.00	0.58	11	2.09	1.50	15
24	7/23/85	2.15	6.33	0.06	26	7.37	7.25	78
25	7/23/85	6.44	5.03	1.24	19	4.05	4.75	30

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

Savannah River Ecology Laboratory Rubble Pile/Bldg. 761-9G
Rubble Pile/NBN

C.1 Description of the unit:

Capacity N/A

Dimensions (1) 1 acre (2) 1/2 acre

Materials of construction

Native soil

Other

Dates of waste receipt: Unknown. Material from these sites have been
taken to the SRP Sanitary Landfill. This site is closed.

C.2 Description of waste placed in the unit:

General

- (1) This site received miscellaneous rubble, lumber, and scrap metal.
- (2) This site received animal carcasses, concrete, metal, lumber.

Summary of data or operating information to lead to the nonhazardous description:

Unauthorized rubble disposal. There are no records of hazardous wastes
or hazardous constituents disposed of at these sites. Visual inspection
of the material at the site supports this position. SREL, a part of the
University of Georgia system, conducts independent ecological research
on the site and is not associated with the process facilities.

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

A-Area Ash Pile/Bldg. 788-A

C.1 Description of the unit:

Capacity 50,000 cu. yds.

Dimensions Pile, about 300' x 500' x 10'

Materials of construction

Native soil

Other

Dates of waste receipt: 1952 - 1979.

C.2 Description of waste placed in the unit:

General

Coal ash

Summary of data or operating information to lead to the nonhazardous description:

See D-Area Ash Basin 488-D.

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

A-Area Ash Pile/Bldg. 788-2A

C.1 Description of the unit:

Capacity 33,000 cu. yds.

Dimensions 200' x 280' x 16'

Materials of construction

Excavated earthen dikes

Other

Dates of waste receipt: 1979 - Present.

C.2 Description of waste placed in the unit:

General

Coal ash

Summary of data or operating information to lead to the nonhazardous description:

See D-Area Ash Basin 488-D.

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

A-Area Coal Pile Runoff Basin/Bldg. 788-3A

C.1 Description of the unit:

Capacity 190,000 cu. ft.

Dimensions 1 acre, 3.5 ft. deep

Materials of construction

Excavated earthen basin

Other

Dates of waste receipt: 1978 - Present. This site is in the
RFI Program.

C.2 Description of waste placed in the unit:

General

Coal pile runoff basin precipitation

Summary of data or operating information to lead to the nonhazardous description:

See D-Area Ash Basin 488-D.

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

716-A Motor Shop Seepage Basin/Bldg. 904-101G

C.1 Description of the unit:

Capacity 43,470 ft³ Dimensions 35' x 207' x 6'

Materials of construction

Excavated earthen pit

Other

Dates of waste receipt: 1977 - 1983. Located south of the railroad
tracks adjacent to Building 716-A. This site is in the RFI Program.
Soil coring was performed early 1989; oil detected at water table.

C.2 Description of waste placed in the unit:

General

This site received effluent from the 716-A Motor Shop washing facility
oil skimmer from 1977 - 1983. Effluent consisted of wastewater with
trace quantities of oil, grease, soap, and kerosene.

Summary of data or operating information to lead to the nonhazardous
description:

In August 1983 all discharges to the basin ceased and the influent line
to the basin plugged. Well Data Code is AOB (DPSPU-86-30-1, Vol. II,
pp. 258-259).

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

Road A Chemical Basin/Bldg. 904-111G

C.1 Description of the unit:

Capacity 1500 m³

Dimensions 30m x 53m x 3m deep

Materials of construction

Excavated earthen basin

Other

Dates of waste receipt: Unknown - 1974. This site is in the
RFI Program. RFI plans have been issued. RFI field work is near
completion.

C.2 Description of waste placed in the unit:

General

This site received uranium contaminated process liquids (primarily
caustics from 300-M Area. These wastes were routinely disposed of in a
borrow pond and holding pond (Ref. 1).

Summary of data or operating information to lead to the nonhazardous description:

Site closed in 1974. There are no records of hazardous wastes or
hazardous constituents disposed at this site. There have been no
hazardous constituents detected in the groundwater monitoring wells
installed in the vicinity of this site. Well data code is BRD.

Reference

Ref. 1 Final Environmental Impact Statement, Waste Management Operations
Savannah River Plant, Aiken, S.C. September 1977.

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

Fire Dept. Hose Training Facility/904-113G

C.1 Description of the unit:

Capacity 800 ft³

Dimensions 20' x 40' x 1'

Materials of construction

Excavated earthen area with 1 foot asphalt and bare diked walls on all 4 sides.

Other

Dates of waste receipt: 1979 - 1983.

C.2 Description of waste placed in the unit:

General

No wastes were placed in the unit. Use of this training facility created some diesel fuel residue on dike walls.

Summary of data or operating information to lead to the nonhazardous description:

Diesel fuel was placed on water. This diesel fuel was burned during the training exercise and any excess fuel was burned prior to leaving the area. Soil and an asphalt dike were excavated to remove residue from asphalt dike walls.

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

Earthen basin adjacent to Building 108-3P/131-1P

C.1 Description of the unit:

Capacity 14,000 cu. ft.

Dimensions 40' x 40' x 10'

Materials of construction

Excavated earthen dike.

Other

Dates of waste receipt: 1955 (estimated) - 1983. This site is closed.

C.2 Description of waste placed in the unit:

General

Diesel fuel spills were washed into this basin. The basin was drained, oil removed, oily soil excavated. Clean soil was used to refill and grade the basin.

Summary of data or operating information to lead to the nonhazardous description:

Wastewater consisted of trace quantities of diesel fuel.

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

Earthen basin adjacent to Building 108-3R/131-1R

C.1 Description of the unit:

Capacity 14,000 cu. ft. Dimensions 75' x 75' x 2.5'

Materials of construction

Excavated earthen dike.

Other

Dates of waste receipt: 1955 (estimated) - Present. Basin should be
closed by 4 QY 1990.

C.2 Description of waste placed in the unit:

General

Basin received diesel fuel during tank over fills.

Summary of data or operating information to lead to the nonhazardous description:

Wastewater consisted of trace quantities of diesel fuel.

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

L-Area Rubble Pile/631-26G

C.1 Description of the unit:

Capacity Unknown Dimensions 115' x 184'

Materials of construction

Cleared earthen area.

Other

Dates of waste receipt: Unknown.

C.2 Description of waste placed in the unit:

General

The site contains railroad ties, cans, buckets, scrap, metal,
and inert material.

Summary of data or operating information to lead to the nonhazardous description:

Operating procedures were for the site to receive inert, nonhazardous
materials. There are no records of hazardous wastes or hazardous
constituents disposed of at this site.

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

R-Area Rubble Pile/631-25G

C.1 Description of the unit:

Capacity Unknown

Dimensions 115' x 184'

Materials of construction

Cleared earthen area.

Other

Dates of waste receipt: Unknown.

C.2 Description of waste placed in the unit:

General

The site contains railroad ties, empty drums, cans, buckets,
and inert material.

Summary of data or operating information to lead to the nonhazardous description:

Operating procedures were for the site to receive inert, nonhazardous
materials. There are no records of hazardous wastes or hazardous
constituents disposed of at this site.

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

Rubble Pile at Cemetery Road/631-11G
Rubble Pile between Cemetery & Bragg Road/631-12G
Rubble Pile at Road 781.1/631-13G
Rubble Pile at Bragg Bay Road/631-14G

C.1 Description of the unit:

Capacity N/A

Dimensions Unknown

Materials of construction

Native soil.

Other

Dates of waste receipt: Unknown - 1988 (all sites). Rubble piles were
illegal trash dumpings from offsite personnel on government property.
These sites are closed.

C.2 Description of waste placed in the unit:

General

These sites received typical household trash: bottles, cans, plastics,
papers, lumber, scrap metal, roofing materials, and tires. Trash was
removed from sites in 1986 and placed in the sanitary landfill.

Summary of data or operating information to lead to the nonhazardous description:

Unauthorized rubble disposal. There are no records of hazardous
wastes or hazardous constituents disposed of at this site. Trash has
re-accumulated; will be cleaned up late summer 1989. Attempting to get
approvals to install gates at plant roads to keep public out and prevent
future dumping (June 1989).

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

Gunsite 720 Rubble Pit/631-16G

C.1 Description of the unit:

Capacity N/A

Dimensions 20' x 20'

Materials of construction

Excavated earthen pit.

Other

Dates of waste receipt: Unknown. This site is inactive. This site is in the RFT Program. Ground penetrating radar was conducted in late 1988.

C.2 Description of waste placed in the unit:

General

Visual inspection of the site revealed eight semi-corroded metal drums partially buried at the Gunsite 720 gun emplacement area. The drums were excavated and palletized July 31, 1987.

Summary of data or operating information to lead to the nonhazardous description:

Soil gas survey conducted April 1988. There are no records of hazardous wastes or hazardous constituents disposed of at this site.

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

(1) Risher Road Open Metal Pit/631-17G

(2) Scrap Metal Pile/631-18G

C.1 Description of the unit:

Capacity (1) Unknown (2) N/A

Dimensions

(1) 400 sq. ft.

(2) 500 sq. ft.

Materials of construction

(1) Excavated earthen pit.

(2) Native soil.

Other

Dates of waste receipt: Unknown, Unknown. (1) Located south and
adjacent to Risher Road. (2) Located adjacent to Road A-18, 1.7 miles
east of Road A. Both sides are inactive.

C.2 Description of waste placed in the unit:

General

(1) This site received lumber (5-10 cu. yards) and some scrap metal.

(2) This site received three Ford Model A car bodies and scrap metal.

Summary of data or operating information to lead to the nonhazardous description:

Unauthorized rubble/metal disposal. There are no records of hazardous
waste or hazardous constituents disposed of at these sites.

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

Savannah River Forest Service Rubble Pile/631-9G

C.1 Description of the unit:

Capacity N/A

Dimensions 20' x 20'

Materials of construction

Native soil.

Other

Dates of waste receipt: Unknown. 600 gal. kerosene tank (aboveground)
was located at the site also. This site was cleaned up and empty tank
taken to Sanitary landfill for disposal. This site is closed.

C.2 Description of waste placed in the unit:

General

This site received concrete and wood rubble

Summary of data or operating information to lead to the nonhazardous description:

Unauthorized waste dump. There are no records of hazardous wastes or
hazardous materials disposed of at this site. SR Forest Service, part
of the U.S. Forest Service, maintains under contract the forest
management program and is not associated with the process facilities.

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

Meyers Mill Siding Rubble Pile/NBN

C.1 Description of the unit:

Capacity N/A Dimensions Unknown

Materials of construction

Earthen area.

Other

Dates of waste receipt: unknown - 1988. This site is inactive.

Approved for cleanup by DOE. Scheduled for completion late 1989.

C.2 Description of waste placed in the unit:

General

This site contains 2 empty, rusted 55-gal drums; 4 reinforced concrete culverts; scrap metal.

Summary of data or operating information to lead to the nonhazardous description:

Soil gas analysis was conducted April 1988. There are no records of hazardous wastes or hazardous constituents disposed of at this site.

Visual inspection.

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

B-Area Tower Foundation/NBN

C.1 Description of the unit:

Capacity N/A Dimensions 25' x 25'

Materials of construction

Earthen area.

Other

Dates of waste receipt: unknown. This site is inactive.

Site closed May 1989.

C.2 Description of waste placed in the unit:

General

This site contained 4 concrete cornerstones with protruding angle iron, brick, and miscellaneous rubble.

Summary of data or operating information to lead to the nonhazardous description:

There are no records of hazardous waste or hazardous constituents disposed of at this site. Visual inspection.

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

Old Ellenton Rubble Pile/NBN

C.1 Description of the unit:

Capacity N/A Dimensions Unknown

Materials of construction

Concrete foundations.

Other

Dates of waste receipt: unknown. This site is inactive.

Site has been cleaned up. Awaiting EPS final approval.

C.2 Description of waste placed in the unit:

General

This site consisted of inert rubble and concrete foundations. Domestic trash.

Summary of data or operating information to lead to the nonhazardous description:

Remains of Ellenton, SC. There are no records of hazardous waste or hazardous constituents disposed of at this site. Visual inspection.

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

Parking Lot Type Lights on Wilson Road/NBN

C.1 Description of the unit:

Capacity N/A Dimensions 15' x 20'

Materials of construction

Earthen area.

Other

Dates of waste receipt: unknown. This site is inactive.
Site cleaned up and closed April 1989.

C.2 Description of waste placed in the unit:

General

This site contains approximately 1 dozen light fixtures and telephone pole insulators.

Summary of data or operating information to lead to the nonhazardous description:

There are no records of hazardous waste or hazardous constituents disposed of at this site. Visual inspection.

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

Patterson Mill Road Rubble Pile/NBN

C.1 Description of the unit:

Capacity N/A Dimensions 8' x 10'

Materials of construction

Earthen area.

Other

Dates of waste receipt: unknown. This site is inactive.
Site cleaned up and closed April 1989.

C.2 Description of waste placed in the unit:

General

This site consisted of 4 large pieces of scrap metal.

Summary of data or operating information to lead to the nonhazardous description:

There are no records of hazardous waste or hazardous constituents disposed of at this site. Visual inspection.

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

Miscellaneous Trash at Snapp/NBN

C.1 Description of the unit:

Capacity N/A Dimensions Unknown

Materials of construction

Earthen area.

Other

Dates of waste receipt: unknown. This site is inactive.

Site cleaned up and closed April 1989.

C.2 Description of waste placed in the unit:

General

This site consisted of 2 rubble piles of domestic trash and inert rubble, and railroad crossties.

Summary of data or operating information to lead to the nonhazardous description:

There are no records of hazardous waste or hazardous constituents disposed of at this site. Visual inspection.

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

Miscellaneous Rubble at Dunbarton/NBN

C.1 Description of the unit:

Capacity N/A Dimensions Unknown

Materials of construction

Earthen area. Concrete foundations.

Other

Dates of waste receipt: unknown. This site is inactive.
Most of area declared archaeological find by SRARP. Site officially
closed with no action taken.

C.2 Description of waste placed in the unit:

General

This site contains rubble piles of domestic trash, building rubble,
barbed wire, fencing, wood posts, scrap metal, electrical wire, and
insulators.

Summary of data or operating information to lead to the nonhazardous description:

Remains of Dunbarton, SC. There are no records of hazardous waste or
hazardous constituents disposed of at this site. Visual inspection.

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

Stadia Lights with Poles/NBN

C.1 Description of the unit:

Capacity N/A Dimensions 25' x 40'

Materials of construction

Earthen area.

Other

Dates of waste receipt: unknown. This site is inactive.
Site cleaned up and closure approved April 1989.

C.2 Description of waste placed in the unit:

General

This site contained 2 stadium-type lighting assemblies with 16 lights,
guidewires, and electrical conduit.

Summary of data or operating information to lead to the nonhazardous description:

There are no records of hazardous waste or hazardous constituents disposed
of at this site. Visual inspection.

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

Gunsite 12 Rubble Pile/NBN

C.1 Description of the unit:

Capacity N/A Dimensions Approx. 10 acres

Materials of construction

Concrete slabs.

Other

Dates of waste receipt: unknown - 1988. Military personnel manned
anti-aircraft gun emplacements at SRP from 1955 to 1957. Support
facilities at the gunsites included barracks, mess halls, administration
buildings, underground fuel storage tanks, and septic tanks. These
sites are inactive.

C.2 Description of waste placed in the unit:

General

This site contains inert rubble.

Summary of data or operating information to lead to the nonhazardous description:

The gunsites were dismantled or abandoned in 1961. The buildings have
been removed. There are no records of hazardous waste or hazardous
constituents disposed of at this site. Visual inspection.

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

Rubble Pile near Junction US 278 and GE 103 Road/NBN

C.1 Description of the unit:

Capacity N/A

Dimensions 20' x 30'

Materials of construction

Earthen area.

Other

Dates of waste receipt: unknown. Rubble piles are illegal trash dumpings from the public on government property. Closure plan for cleanup approved by DOE. Scheduled for cleanup late summer 1989.

C.2 Description of waste placed in the unit:

General

This site contains domestic trash, sofa, washing machine, and miscellaneous household appliances.

Summary of data or operating information to lead to the nonhazardous description:

There are no records of hazardous waste or hazardous constituents disposed of at this site. Visual inspection.

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

Risher Road Rubble Pile/NBN

C.1 Description of the unit:

Capacity N/A Dimensions Unknown

Materials of construction

Earthen area.

Other

Dates of waste receipt: unknown. This site is inactive.

C.2 Description of waste placed in the unit:

General

This site contains 2 wire reels, scrap lumber, and scrap metal.
miscellaneous household appliances.

Summary of data or operating information to lead to the nonhazardous description:

There are no records of hazardous waste or hazardous constituents disposed
of at this site. Visual inspection.

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

Recreation Area #2 Rubble Pile/NBN

C.1 Description of the unit:

Capacity N/A Dimensions Unknown

Materials of construction

Earthen area.

Other

Dates of waste receipt: unknown. This site is inactive.
Closure plan approved by DOE. Site has been cleaned up. Awaiting
EPS approval.

C.2 Description of waste placed in the unit:

General

This site contains an abandoned trash dumpster, concrete, rubble,
hog-wire fencing, and scrap metal.

Summary of data or operating information to lead to the nonhazardous
description:

Old recreation/camping area. There are no records of hazardous waste or
hazardous constituents disposed of at this site. Visual inspection.

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

Gun Emplacement 113 Rubble Pile/NBN

C.1 Description of the unit:

Capacity N/A Dimensions 50' x 100'

Materials of construction

Concrete slabs.

Other

Dates of waste receipt: unknown - 1988. Military personnel manned anti-aircraft gun emplacements at SRP from 1955 to 1957. Support facilities at the gun emplacements included barracks, storage buildings, underground fuel storage tanks, and septic tanks. These sites are inactive.

C.2 Description of waste placed in the unit:

General

This site contains iron piping, concrete rubble, transite asbestos panels, hog-wire fencing, and scrap metal.

Summary of data or operating information to lead to the nonhazardous description:

The gun emplacements were dismantled or abandoned in 1961. The storage buildings have been removed. There are no records of hazardous waste or hazardous constituents disposed of at this site. Visual inspection.

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

Gun Emplacement 407A and 407B Rubble Pile/NBN

C.1 Description of the unit:

Capacity N/A Dimensions 20' x 40'

Materials of construction

Concrete slabs.

Other

Dates of waste receipt: unknown - 1988. Military personnel manned anti-aircraft gun emplacements at SRP from 1955 to 1957. Support facilities at the gun emplacements included barracks, storage buildings, underground fuel storage tanks, and septic tanks. These sites are inactive.

C.2 Description of waste placed in the unit:

General

This site contains iron piping, concrete rubble, hog-wire fencing, and scrap metal.

Summary of data or operating information to lead to the nonhazardous description:

The gun emplacements were dismantled or abandoned in 1961. The storage buildings have been removed. There are no records of hazardous waste or hazardous constituents disposed of at this site. Visual inspection.

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

Un-numbered Gun Emplacement Rubble Pile/NBN

C.1 Description of the unit:

Capacity N/A Dimensions Approx. 2 acres

Materials of construction

Concrete slabs.

Other

Dates of waste receipt: unknown - 1988. Military personnel manned anti-aircraft gun emplacements at SRP from 1955 to 1957. Support facilities at the gun emplacements included barracks, storage buildings, underground fuel storage tanks, and septic tanks. These sites are inactive. Closure plan approved by DOE. Site cleaned up and awaiting EPS approval.

C.2 Description of waste placed in the unit:

General

This site contains an abandoned concrete slab, 1 joint of concrete pipe, and scrap metal.

Summary of data or operating information to lead to the nonhazardous description:

The gun emplacements were dismantled or abandoned in 1961. The storage buildings have been removed. There are no records of hazardous waste or hazardous constituents disposed of at this site. Visual inspection.

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

File of Telephone/Light Poles/NBN

C.1 Description of the unit:

Capacity N/A Dimensions Unknown

Materials of construction

Earthen area.

Other

Dates of waste receipt: unknown. This site is inactive.
Site scheduled for cleanup late summer 1989.

C.2 Description of waste placed in the unit:

General

This site contains several piles of creosote treated wooden poles.

Summary of data or operating information to lead to the nonhazardous description:

There are no records of hazardous waste or hazardous constituents disposed of at this site. Visual inspection.

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

Gunsite 72 Rubble Pile/NBN

C.1 Description of the unit:

Capacity N/A Dimensions Unknown

Materials of construction

Concrete slabs.

Other

Dates of waste receipt: unknown - 1988. Military personnel manned anti-aircraft gun emplacements from 1955 to 1957. Support facilities at the gunsites included barracks, mess halls, administration buildings, underground fuel storage tanks, and septic tanks. Site scheduled for cleanup late 1989.

C.2 Description of waste placed in the unit:

General

This site contains domestic trash and approximately 12 wooden pallets.

Summary of data or operating information to lead to the nonhazardous description:

The gunsites were dismantled or abandoned in 1961. The buildings have been removed. There are no records of hazardous waste or hazardous constituents disposed of at this site. Visual inspection.

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

Rubble Pile North of SRL/NBN

C.1 Description of the unit:

Capacity N/A Dimensions Unknown

Materials of construction

Earthen area.

Other

Dates of waste receipt: unknown. This site is inactive.

Closure plan approved by DOE. Site has been cleaned up. Awaiting
EPS final approval.

C.2 Description of waste placed in the unit:

General

This site contains inert rubble, domestic trash, and scrap metal.

Summary of data or operating information to lead to the nonhazardous description:

There are no records of hazardous waste or hazardous constituents disposed
of at this site. Visual inspection.

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

Road 9 Rubble Pile/NBN

C.1 Description of the unit:

Capacity N/A Dimensions 10' x 15'

Materials of construction

Earthen area.

Other

Dates of waste receipt: unknown. This site is inactive.
Site has been cleaned up.

C.2 Description of waste placed in the unit:

General

This site contained concrete rubble.

Summary of data or operating information to lead to the nonhazardous description:

There are no records of hazardous waste or hazardous constituents disposed
of at this site. Visual inspection.

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

Road 9 at Gate 23 Rubble Pile/NBN

C.1 Description of the unit:

Capacity N/A Dimensions Unknown

Materials of construction

Earthen area.

Other

Dates of waste receipt: unknown. This site is inactive.

Site has been cleaned up.

C.2 Description of waste placed in the unit:

General

This site contains 1 joint of corrugated metal pipe and scrap metal.

Summary of data or operating information to lead to the nonhazardous description:

There are no records of hazardous waste or hazardous constituents disposed of at this site. Visual inspection.

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

Risher Road Rubble Pile #2/NBN

C.1 Description of the unit:

Capacity N/A Dimensions 10' x 10'

Materials of construction

Earthen area.

Other

Dates of waste receipt: unknown. This site is inactive.

Site was cleaned up and received EPS approval April 1989.

C.2 Description of waste placed in the unit:

General

This site contained 1 pile of concrete blocks.

Summary of data or operating information to lead to the nonhazardous description:

There are no records of hazardous waste or hazardous constituents disposed of at this site. Visual inspection.

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

Robbins Station Road Rubble Pile/NBN

C.1 Description of the unit:

Capacity N/A Dimensions Unknown

Materials of construction

Earthen area.

Other

Dates of waste receipt: unknown. This site is inactive.

C.2 Description of waste placed in the unit:

General

This site contains 2 joints of corrugated metal pipe.

Summary of data or operating information to lead to the nonhazardous description:

There are no records of hazardous waste or hazardous constituents disposed of at this site. Visual inspection.

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

L-Area Scrap Metal and Wood/NBN

C.1 Description of the unit:

Capacity N/A Dimensions Unknown

Materials of construction

Earthen area.

Other

Dates of waste receipt: unknown. This site is inactive.

C.2 Description of waste placed in the unit:

General

This site contains a rubble pile of scrap metal, wood, and lumber.

Summary of data or operating information to lead to the nonhazardous description:

There are no records of hazardous waste or hazardous constituents disposed of at this site. Visual inspection.

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

Road 3 Foundation Rubble Pile/NBN

C.1 Description of the unit:

Capacity N/A Dimensions 15' x 25'

Materials of construction

Concrete foundation.

Other

Dates of waste receipt: unknown. This site is inactive.

Site declared archaeological find by SRARP. Will not be cleaned up.

C.2 Description of waste placed in the unit:

General

This site contains abandoned building foundation with inert rubble and domestic trash.

Summary of data or operating information to lead to the nonhazardous description:

Remains of Ellenton, SC. There are no records of hazardous waste or hazardous constituents disposed of at this site. Visual inspection.

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

Pond B Dam Rubble Pile/NBN

C.1 Description of the unit:

Capacity N/A Dimensions 4' x 8'

Materials of construction

Earthen area.

Other

Dates of waste receipt: unknown. This site is inactive.
Scheduled for cleanup fall 1989.

C.2 Description of waste placed in the unit:

General

This site contains 1 role of fence wire.

Summary of data or operating information to lead to the nonhazardous description:

There are no records of hazardous waste or hazardous constituents disposed of at this site. Visual inspection.

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

Rubble Pile Across from Gunsite 12/NBN

C.1 Description of the unit:

Capacity N/A

Dimensions 30' x 50'
4' x 12'

Materials of construction

Earthen area.

Other

Scheduled for cleanup fall 1989.

C.2 Description of waste placed in the unit:

General

This site contains several piles of concrete rubble and 1 piece of
abandoned forestry equipment.

Summary of data or operating information to lead to the nonhazardous
description:

There are no records of hazardous waste or hazardous constituents disposed
of at this site. Visual inspection.

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

TCU Rubble Pile/NBN

C.1 Description of the unit:

Capacity N/A Dimensions Unknown

Materials of construction

Earthen area.

Other

Dates of waste receipt: unknown. This site is inactive.
Site cleaned up early 1989.

C.2 Description of waste placed in the unit:

General

This site contains concrete rubble and approximately 100' of electrical wire.

Summary of data or operating information to lead to the nonhazardous description:

There are no records of hazardous waste or hazardous constituents disposed of at this site. Visual inspection.

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

Silverton Road Waste Tank Plugs/NBN

C.1 Description of the unit:

Capacity N/A Dimensions 20' x 20'

Materials of construction

Earthen area.

Other

Dates of waste receipt: unknown. This site is inactive.

C.2 Description of waste placed in the unit:

General

This site contains 2 reinforced concrete waste tank plugs. The plugs are approximately 10 years old.

Summary of data or operating information to lead to the nonhazardous description:

Health Protection survey indicates no contamination. There are no records of hazardous wastes or hazardous constituents disposed of at this site.

Visual inspection.

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

TNX Rubble Pile/NBN

C.1 Description of the unit:

Capacity N/A Dimensions 10' x 10'

Materials of construction

Earthen area.

Other

Dates of waste receipt: unknown. This site is inactive.
Scheduled for cleanup fall 1989.

C.2 Description of waste placed in the unit:

General

This site contains 1 pile of inert rubble, concrete and asphalt.

Summary of data or operating information to lead to the nonhazardous description:

There are no records of hazardous wastes or hazardous constituents
disposed of at this site. Visual inspection.

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

B-Area Sanitary Treatment Plant Rubble Pile/NBN

C.1 Description of the unit:

Capacity N/A Dimensions 110' x 40'

Materials of construction

Earthen area.

Other

Dates of waste receipt: unknown. This site is inactive.

Site cleaned up February 1989. Awaiting EPS final approval.

C.2 Description of waste placed in the unit:

General

This site contains cans, bottles, aluminum siding, light bulbs, and inert materials.

Summary of data or operating information to lead to the nonhazardous description:

There are no records of hazardous wastes or hazardous constituents disposed of at this site. Visual inspection.

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

IMHOFF Tank Rubble Pile/NBN

C.1 Description of the unit:

Capacity N/A

Dimensions 250' x 75'

Materials of construction

Earthen area.

Other

Dates of waste receipt: unknown. This site is inactive.

Site cleaned up May 1989. Awaiting EPS final approval.

C.2 Description of waste placed in the unit:

General

This site contains clay pipe, scrap metal, and inert material.

Summary of data or operating information to lead to the nonhazardous description:

There are no records of hazardous wastes or hazardous constituents disposed of at this site. Visual inspection.

APPENDIX C

**SOLID WASTE MANAGEMENT UNITS HAVING RECEIVED NO HAZARDOUS WASTE
OR HAZARDOUS CONSTITUENTS**

- **SANITARY WASTE TREATMENT FACILITIES**

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

Sanitary Waste Treatment Facilities

C.1 Description of the unit:

Capacity	Attachment A - Sanitary	Dimensions	N/A
	Wastewater Treatment		
	Plants		
	Attachment B - Septic		
	Tanks		

Materials of construction

Clow package plants for SWWTP

Standard 1,000 or 1,500 gallon concrete septic tanks

Other

C.2 Description of waste placed in the unit:

General

Sanitary waste. A/M-Area and CS-Area SWWTPs receive less than 100 gallons/day of spent photographic solutions.

Summary of data or operating information to lead to the nonhazardous description:

Wastes from all SWWTPs have been analyzed for hazardous waste constituents. Based on the analytical results, these units have not received hazardous wastes/hazardous constituents. Septic tanks have received only domestic sewage.

ATTACHMENT A

SANITARY WASTE TREATMENT FACILITIES

SANITARY WASTEWATER TREATMENT PLANTS

SITE NAME	BUILDING	CAPACITY (GPD)	OUTFALL
S*	607-1S	12,000	DW-003
	607-2S	12,000	DW-003
U*	607-1U	25,000	T-007
A/M*	607-7-1A	65,000	A-015
	607-7-2A	65,000	A-015
P	607-7-1P	12,000	P-020
	607-7-2P	10,000	P-020
D	607-7D	12,000	D001A
F*	607-7F	60,000	F-008A
H	607-7H	60,000	H-014
H	607-21H	30,000	H-014
L	607-16L	35,000	L-007A
N	607-17F	30,000	F-003A
K	607-17K	24,000	K-017
CS*	607-18G	30,000	S-011
C	607-20C	55,000	C-004A
TNX*	607-40G	20,000	X-013
CS*	607-42G	40,000	S-011

* Have flow equalization basins.

ATTACHMENT B

SANITARY WASTE TREATMENT FACILITIES

SEPTIC TANKS

SITE NAME	BUILDING	CAPACITY (GPD)
Waste Farm Control House	241-F	1,000
Pistol Range*	661-G	1,000
RR Classification Yard	681-G	1,000
River Pumphouse	681-1G	1,000
River Pumphouse	681-3G	1,500
Par Pond Pump House	681-6G	1,000
Allendale Gatehouse*	701-2G	1,000
Barnwell Gatehouse*	701-3G	1,000
Williston Gatehouse*	701-4G	1,000
Aiken Gatehouse*	701-5G	1,000
Augusta Gatehouse*	701-6G	1,000
TC-1 (Imhoff tank)	704-U	1,000
Linnology Field Laboratory	735-2G	1,000
Forestry-Ecology	760-G	1,500
Waste Handling Control House	776-A	1,000
CMX-TNX	NBN	1,000
100-C	NBN	1,000
100-K	NBN	1,000
ATTA Security Training Facility*	NBN	1,000
D-Area Gatehouse*	NBN	1,000
Forest Service Gatehouse*	NBN	1,000
H-Area Gatehouse*	NBN	1,000
H-Area Construction Offices	NBN	1,000

* Wackenhut Security.

APPENDIX C

**SOLID WASTE MANAGEMENT UNITS HAVING RECEIVED NO HAZARDOUS WASTE
OR HAZARDOUS CONSTITUENTS**

- **OTHER UNITS**

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

DWPF Concrete Batch Plant Lagoon/NBN

C.1 Description of the unit:

Capacity 900,000 gal.

Dimensions 100' X 200' X 6'

Materials of construction

Earthen dikes.

Other

C.2 Description of waste placed in the unit:

General

Concrete wastewater is fed to the lagoon for settling and pH control.

Summary of data or operating information to lead to the nonhazardous description:

No hazardous constituents are directed to this basin.

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

Salvage Yard/740-A

C.1 Description of the unit:

Capacity N/A

Dimensions 315' x 250'

Materials of construction

Earthen area.

Other

C.2 Description of waste placed in the unit:

General

Salvage operation has been relocated to 740-G. This area now used as a
laydown yard for slow moving spare parts and extra machinery. This area
also has concrete slabs with electrical transformers on them.

Summary of data or operating information to lead to the nonhazardous
description:

APPENDIX C WORKSHEET

Name of Unit(s)/Building No.(s):

New Salvage Yard/741-G

C.1 Description of the unit:

Capacity N/A Dimensions 315' x 250'

Materials of construction

Earthen area.

Other

Dates of waste receipt: 1988 - present.

C.2 Description of waste placed in the unit:

General

Scrap metal, lead battery, and spent fixer collection area. Batteries
are collected and stored prior to offsite shipment to vendor for lead
recovery; silver is recovered from spent fixer at this site. Plastic
drums and steel drums are also stored in this area prior to offsite
shipment to a vendor.

Summary of data or operating information to lead to the nonhazardous
description:

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APPENDIX D

WASTE MANAGEMENT UNITS HAVING RECEIVED SOURCE, SPECIAL NUCLEAR, OR BYPRODUCT MATERIAL ONLY

- **WASTE DISPOSAL SITES**
- **STORAGE TANKS**

APPENDIX D

**WASTE MANAGEMENT UNITS HAVING RECEIVED
SOURCE, SPECIAL NUCLEAR, OR BYPRODUCT MATERIAL ONLY**

• WASTE DISPOSAL SITES

APPENDIX D WORKSHEET

Name of Unit(s)/Building No.(s):

F-Area Retention Basin/281-3F

H-Area Retention Basin/281-3H

D.1 Description of the unit:

Capacity 281-3F 4.69E + 06L
281-3H 4.69E + 06L

Dimensions 281-3F 36.6m x 61m x 2.1m
281-3H 36.6m x 61m x 2.1m

Materials of construction

Excavated earthen basins.

Other

Dates of waste receipt: 1955-1973, 1955-1973.

D.2 Description of waste placed in the unit:

General

Potential low levels of radioactivity from segregated and recirculated cooling water from the F- and H-Area process buildings (221-F and 221-H) and evaporation condensate from the F- and H-Area high-level liquid waste tank farm.

Justification for describing the waste in this unit as source, special nuclear, or byproduct:

Low-level radioactive contamination (byproduct) from tank farm storm-water runoff and canyon area cooling water diversions. No known hazardous constituents disposed in unit.

D.3 Description of monitoring:

Ongoing

281-3F has been excavated and backfilled. 281-3H is open but inactive. Two detection monitoring wells are sampled at 281-3H.

Planned

NA

Description of inspections and frequency:

None

281-3F closed in 1973

281-3H is open but inactive

APPENDIX D WORKSHEET

Name of Unit(s)/Building No.(s):

F-Area Retention Basin/281-8F

H-Area Retention Basin/281-8H

D.1 Description of the unit:

Capacity 281-8F 6.5E + 06 gal
281-8H 6.5E + 06 gal

Dimensions 281-8F 151,000 ft²
281-8H 123,000 ft²

Materials of construction

Excavated earthen basins lined with polymer.

Other

Dates of waste receipt: 1973 - present, 1973 - present.

D.2 Description of waste placed in the unit:

General

Potential low levels of radioactivity from segregated and recirculated cooling water from the F- and H-Area Chemical Separations Buildings. Also tank farm stormwater runoff if contaminated.

Justification for describing the waste in this unit as source, special nuclear, or byproduct:

Low-level radioactive contamination (byproduct) from tank farm stormwater runoff and canyon area cooling water diversions. No known hazardous constituents disposed in unit.

D.3 Description of monitoring:

Ongoing

281-8H, quarterly detection monitoring of 4 wells, data code is HR8.

Planned

Description of inspections and frequency:

Daily - liquid level.

APPENDIX D WORKSHEET

Name of Unit(s)/Building No.(s):

Bingham Pump Outage Pits

See Page D-6 for building numbers.

D.1 Description of the unit:

Capacity See Page D-6

Dimensions See Page D-6

Materials of construction

Excavated earthen pits.

Other

Soil placed to one side until used as backfill. Backfill minimum of 1.2 meters. All pits were backfilled.

D.2 Description of waste placed in the unit:

General

This site received piping and associated construction debris associated with a pump changeout. The solid waste placed in the pit had very low levels of radioactive surface contamination.

Justification for describing the waste in this unit as source, special nuclear, or byproduct:

Byproduct low-level radioactive wastes with no hazardous constituents.

D.3 Description of monitoring:

Ongoing

Sampling of vegetation (1970) growing above pits showed little or no elevation in activity. No monitoring wells at any of the Bingham Pump Outage Pits.

Planned

Core sample of one site per area to determine if additional monitoring is required.

Description of inspections and frequency:

Annual inspection of backfill integrity.

D.1 Description of the unit: continued

<u>Area</u>	<u>Bldg. No.</u>	<u>Dates of Waste Receipt</u>	<u>Vol.-m³</u>	<u>Dimensions LxWxD (m)</u>
K	643-1G	May/Sept., 1957	6149	122 x 18 x 4
L	643-2G	Sept./Nov., 1957	3276	130 x 9 x 4
L	643-3G	Sept., 1957 - Jan., 1958	3225	144 x 8 x 4
P	643-4G	Jan./Nov., 1958	3225	144 x 8 x 4
R	643-8G	Apr./Oct., 1958	1277	76 x 6 x 4
R	643-9G	Apr./Oct., 1958	1064	76 x 5 x 4
R	643-10G	Apr./Oct., 1958	3562	159 x 8 x 4

APPENDIX D WORKSHEET

Name of Unit(s)/Building No.(s):

Reactor Seepage Basins/See Page D-8 for building numbers.

D.1 Description of the unit:

Capacity See Page D-8 Dimensions See Page D-8

Materials of construction

Excavated earthen dike.

Other

The P-, C-, and L-Area basins are active and the K- and R-Area basins are inactive. The R-Area basins have been filled and covered with asphalt.

D.2 Description of waste placed in the unit:

General

This site received wastewater containing low levels of radioactive contamination.

Justification for describing the waste in this unit as source, special nuclear, or byproduct:

Byproduct low-level radioactive wastewater with no hazardous constituents.

D.3 Description of monitoring:

Ongoing

Groundwater monitoring wells are sampled quarterly. Radiological analysis of all liquids are made before they are purged to the active basins.

Planned

Additional wells will be drilled to complete characterization. Well data attached.

Description of inspections and frequency:

Annual cutting of trees and shrubs.

<u>Area</u>	<u>Basin No.</u>	<u>Bldg. No.</u>	<u>Dates of Waste Receipt</u>	<u>Dimensions (m) LxWxD</u>	<u>Volume (m³)</u>	<u>Monitoring* Wells</u>
R	1	904-103G	Jun/Dec, 1957	120 x 9 x 3	2.0 x 10 ³	
R	2	904-104G	1957-1960	40 x 14 x 3	2.0 x 10 ³	
R	3	904-57G	1957-1960	90 x 9 x 3	1.7 x 10 ³	49 RSA, RSB, RSC, RSD, RSE
R	4	904-58G	1957-1960	93 x 11 x 3	2.1 x 10 ³	
R	5	904-59G	1957-1960	90 x 12 x 3	2.3 x 10 ³	
R	6	904-60G	1958-1964	150 x 14 x 5	6.2 x 10 ³	
P	1	904-61G	1957-1970 1978-present	120 x 11 x 2	2.0 x 10 ³	
P	2	904-62G	1957-1970 1978-present	63 x 21 x 2	2.8 x 10 ³	7 PSB
P	3	904-63G	1957-1970 1978-present	100 x 20 x 4	5.9 x 10 ³	
L	1	904-64G	1958-1969 1985-present	120 x 11 x 2	2.0 x 10 ³	4 LSB
K	1	904-65G	1957-1960	41 x 21 x 2	1.6 x 10 ³	4 KSB
C	1	904-66G	1957-1970 1978-present	120 x 11 x 2	2.0 x 10 ³	
C	2	904-67G	1957-1970 1978-present	96 x 13 x 3	2.8 x 10 ³	6 CSB
C	3	904-68G	1957-1970 1978-present	45 x 27 x 4	3.7 x 10 ³	

* Active only.

APPENDIX D WORKSHEET

Name of Unit(s)/Building No.(s):

K-Area Containment Basin/904-88G

D.1 Description of the unit:

Capacity 189,00 m³ Dimensions 170m x 188m

Materials of construction

Excavated earthen dike.

Other

Dates of waste receipt: 1965 - present.

D.2 Description of waste placed in the unit:

General

This site contained wastewater with low levels of radioactive contamination.

Justification for describing the waste in this unit as source, special nuclear, or byproduct:

Source low-level radioactive wastewater with no hazardous constituents.

D.3 Description of monitoring:

Ongoing

Five groundwater monitoring wells are sampled quarterly. Data Code is KRB. No chemical contamination seen in monitoring wells.

Planned

None.

Description of inspections and frequency:

Annual cutting of shrubs and trees.

APPENDIX D

**WASTE MANAGEMENT UNITS HAVING RECEIVED
SOURCE, SPECIAL NUCLEAR, OR BYPRODUCT MATERIAL ONLY**

• STORAGE TANKS

APPENDIX D WORKSHEET

Name of Unit(s)/Building No.(s):

Tanks WMT-052 through WMT-073/643-G

D.1 Description of the unit:

Capacity Varies from 5,000 to Dimensions N/A
28,000 gal

Materials of construction

Carbon steel.

Other

Tanks installed at various dates 1955-1968.

D.2 Description of waste placed in the unit:

General

Spent radioactive N-Paraffin/Tributyl Phosphate from Separations Process.
Waste is not a hazardous waste.

Justification for describing the waste in this unit as source, special nuclear, or byproduct:

Tank contents have been made radioactive incident to the production of
special nuclear material.

D.3 Description of monitoring:

Ongoing

Bi-weekly. Liquid has been removed from most tanks. Some tanks still
contain sludge that cannot be pumped out.

Planned

None.

APPENDIX D WORKSHEET

Name of Unit(s)/Building No.(s):

Tanks WMT-074 through WMT-081/643-7G

D.1 Description of the unit:

Capacity 25,000 gal each Dimensions 10.5' x 38' 10"

Materials of construction

3/8" Carbon steel.

Other

Tanks installed 1974 and 1979.

D.2 Description of waste placed in the unit:

General

Spent radioactive N-Paraffin/Tributyl Phosphate from Separations
Process. Waste is not a hazardous waste or a hazardous constituent.

Justification for describing the waste in this unit as source, special
nuclear, or byproduct:

Tank contents have been made radioactive incident to the production of
special nuclear material.

D.3 Description of monitoring:

Ongoing

Sump and tank inventory checked for leaks biweekly. Tanks have been
emptied of liquid, except for tanks WMT-074 (4000 gallons), WMT-078
(23,000 gallons), and WMT-081 (300 gallons).

Planned

None.

END

**DATE
FILMED**

11 / 23 / 92