M-AREA HAZARDOUS WASTE MANAGEMENT FACILITY GROUNDWATER MONITORING AND CORRECTIVE-ACTION REPORT (U)

FIRST QUARTER 1995

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Joseph P. Kamleiter

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(Name and Title)

Date:

5/24/95

Westinghouse Savannah River Company
Savannah River Site
Aiken, SC 29808

Appendix I

Water-Elevation and Isoconcentration Contour Maps

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REFERENCE DOCUMENT #
WSRC-TR-95-0138-1 for 1Q95
M-Area Hazardous Waste Management
Facility Groundwater Monitoring Report

LEGEND

- **PAVED ROAD**
- **UNPAVED ROAD**
- **SRS SITE BOUNDARY**
- **RAILROAD**
- **TOPOGRAPHIC CONTOUR**
CONTOUR INTERVAL 10 FT
- **INFERRED**
ISOCONCENTRATION CONTOUR
- **CONSTITUENT**
ISOCONCENTRATION CONTOUR
- **STREAM**
- **WASTE UNIT**
- **BUILDING**
- **GROUNDWATER**
MONITORING WELL
- **RECOVERY WELL**

- WASTE UNIT
- BUILDING
- GROUNDWATER MONITORING WELL
- RECOVERY WELL

Scale 1:900 FT
1:274 M

TITLE:

SAVANNAH RIVER SITE
ADMINISTRATION AND
MATERIALS AREA 1Q'95

M-Area
Aquifer Zone

NOTE:

Potentiometric
Surface

"*"
Water elevation appeared to differ from the
pattern of surrounding water elevations
and was not used for contouring.

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MONITORING WELL
- **RECOVERY WELL**

Scale 1:000 FT

- WASTE UNIT
- BUILDING
- GROUNDWATER MONITORING WELL
- RECOVERY WELL

TITLE
**SAVANNAH RIVER SITE
ADMINISTRATION AND
MATERIALS AREA 1Q'95**

**Upper Lost Lake
Aquifer Zone**

NOTES:

**Potentiometric
Surface**

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- **GROUNDWATER**
MONITORING WELL
- **RECOVERY WELL**

Scale 1:900 FT

1:274 M

▲ GROUNDWATER
MONITORING WELL

● RECOVERY WELL

Scale 1:900 FT
1:274 M

TITLE:

SAVANNAH RIVER SITE
ADMINISTRATION AND
MATERIALS AREA 1Q'95

Lower Lost Lake
Aquifer Zone

NOTES:

Potentiometric
Surface

"* Water elevation appeared to differ from the
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- **RECOVERY WELL**

- STREAM
- WASTE UNIT
- BUILDING
- GROUNDWATER MONITORING WELL
- RECOVERY WELL

Scale 1:900 FT
1:274 M

TITLE:

SAVANNAH RIVER SITE
ADMINISTRATION AND
MATERIALS AREA 1Q'95

Middle Sand
of the CBCU

NOTES:

Potentiometric
Surface

*** Water elevation appeared to differ from the
pattern of surrounding water elevations
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MONITORING WELL
- **RECOVERY WELL**

- **BUILDING**
- **GROUNDWATER MONITORING WELL**
- **RECOVERY WELL**

TITLE:

**SAVANNAH RIVER SITE
ADMINISTRATION AND
MATERIALS AREA 1Q'95**

**Crouch Branch
Aquifer Zone**

NOTES:

**Potentiometric
Surface**

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- **BUILDING**
- **GROUNDWATER MONITORING WELL**
- **RECOVERY WELL**

Scale 1:900 FT
1:274 M

TITLE:

**SAVANNAH RIVER SITE
ADMINISTRATION AND
MATERIALS AREA 1Q'95**

**M-Area
Aquifer Zone**

CONSTITUENT:

TETRACHLOROETHYLENE

Unit of Measure = ppb

Contour Interval 5, 100, 1000, 10000, 100000 ug/L

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MONITORING WELL
- **RECOVERY WELL**

Scale 1:900 FT
1:274 M

WASTE UNIT

BUILDING

GROUNDWATER
MONITORING WELL

RECOVERY WELL

Scale 1:900 FT
1:274 M

TITLE:

SAVANNAH RIVER SITE
ADMINISTRATION AND
MATERIALS AREA 1Q'95

M-Area
Aquifer Zone

CONSTITUENT:

TRICHLOROETHYLENE

Unit of Measure = ppb

Contour Interval 5, 100, 1000, 10000, 100000 ug/L

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- **GROUNDWATER MONITORING WELL**
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Scale 1:900 FT
1:274 M

TITLE:

**SAVANNAH RIVER SITE
ADMINISTRATION AND
MATERIALS AREA 1Q'95**

**Upper Lost Lake
Aquifer Zone**

CONSTITUENT:

TETRACHLOROETHYLENE

Unit of Measure = ppb

Contour Interval 5, 100, 1000, 10000, 100000 ug/L

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- **BUILDING**
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MONITORING WELL
- **RECOVERY WELL**

STREAM

WASTE UNIT

BUILDING

**GROUNDWATER
MONITORING WELL**

RECOVERY WELL

TITLE:

**SAVANNAH RIVER SITE
ADMINISTRATION AND
MATERIALS AREA 1Q'95**

**Upper Lost Lake
Aquifer Zone**

CONSTITUENT:

TRICHLOROETHYLENE

Unit of Measure = ppb

Contour Interval 5, 100, 1000, 10000, 100000 ug/L

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MONITORING WELL
- **RECOVERY WELL**

Scale 1:900 FT

■ WASTE UNIT

■ BUILDING

▲ GROUNDWATER
MONITORING WELL

● RECOVERY WELL

Scale 1:900 FT
1:274 M

TITLE:

SAVANNAH RIVER SITE
ADMINISTRATION AND
MATERIALS AREA 1Q'95

Lower Lost Lake
Aquifer Zone

CONSTITUENT:

TETRACHLOROETHYLENE

Unit of Measure = ppb

Contour Interval 5, 100, 1000, 10000, 100000 ug/L

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Scale 1:900 FT
1:274 M

TITLE:

**SAVANNAH RIVER SITE
ADMINISTRATION AND
MATERIALS AREA 1Q'95**

**Lower Lost Lake
Aquifer Zone**

CONSTITUENT:

TRICHLOROETHYLENE

Unit of Measure = ppb

Contour Interval 5, 100, 1000, 10000, 100000 ug/L

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ISOCONCENTRATION CONTOUR

STREAM

WASTE UNIT

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GROUNDWATER
MONITORING WELL

RECOVERY WELL

0 900 1800 2700

Scale 1:900 FT
1:274 M

TITLE:

SAVANNAH RIVER SITE
ADMINISTRATION AND
MATERIALS AREA 1Q'95

Middle Sand
of the CBCU

CONSTITUENT:

TETRACHLOROETHYLENE

Unit of Measure = ppb

Contour Interval 5, 100, 1000, 10000, 100000 ug/L

MSB33A
<1.7

MS
MSB008

TIMS BRANCH

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WASTE UNIT
BUILDING
GROUNDWATER MONITORING WELL
RECOVERY WELL

TITLE:

**SAVANNAH RIVER SITE
ADMINISTRATION AND
MATERIALS AREA 1Q'95**

**Middle Sand
of the CBCU**

CONSTITUENT:

TRICHLOROETHYLENE

Unit of Measure = ppb

Contour Interval 5, 100, 1000, 10000, 100000 ug/L

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MONITORING WELL
- **RECOVERY WELL**

- **STREAM**
- **WASTE UNIT**
- **BUILDING**
- **GROUNDWATER MONITORING WELL**
- **RECOVERY WELL**

TITLE

**SAVANNAH RIVER SITE
ADMINISTRATION AND
MATERIALS AREA 1Q'95**

**Crouch Branch
Aquifer Zone**

CONSTITUENT:

TETRACHLOROETHYLENE

Unit of Measure = ppb

Contour Interval 5, 100, 1000, 10000, 100000 ug/L

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TITLE:

**SAVANNAH RIVER SITE
ADMINISTRATION AND
MATERIALS AREA 1Q'95**

**Crouch Branch
Aquifer Zone**

CONSTITUENT:

TRICHLOROETHYLENE

Unit of Measure = ppb

Contour Interval 5, 100, 1000, 10000, 100000 ug/L