GENERAL SEPARATIONS AREA LARGE MAPS FOR THE F- AND H-AREA SEEPAGE BASINS GROUNDWATER MONITORING REPORTS (U)

FIRST AND SECOND QUARTERS 1995

Volume II

Publication Date: September 1995

Document Reference Numbers:

WSRC-TR-95-1046-2 F-Area Seepage Basins

WSRC-TR-95-1047-2 H-Area Seepage Basins

0147-2

Authorized Derivative Classifier
and Reviewing Official:

C. O. Reeves 9/20/95

UNCLASSIFIED

Does Not Contain Unclassified
Controlled Nuclear Information

MASTER

Westinghouse Savannah River Company
Savannah River Site
Aiken, SC 29808

DISTRIBUTION OF THIS DOCUMENT IS UNLIMITED

REFERENCE DOCUMENT #
WSRC-TR-95-0146-2 F-Area Seepage Basins
Groundwater Monitoring Report
WSRC-TR-95-0147-2 H-Area Seepage Basins
Groundwater Monitoring Report

- **PAVED ROAD**
- **UNPAVED ROAD**
- **STREAM**
- **FENCE LINE**
- **SEEPAGE LINE**
- **RAILROAD**
- **TOPOGRAPHIC CONTOUR**
Contour Interval 10 FT
- **INFERRED**
CONSTITUENT CONTOUR
- **CONSTITUENT CONTOUR**
- **BASIN**
- **RCRA-CERTIFIED**
CLOSED BASIN
- **MONITORING WELL**

[illegible]

Scale 1:900 FT
1:274 M

TITLE:

SAVANNAH RIVER SITE
GENERAL SEPARATIONS
AREA 1st QUARTER '95

AQUIFER:

WATER TABLE

CONSTITUENT:

CADMIUM

GWPS = 10 ug/L

"NS" = Not Sampled

"*" = Wells Not Used to Contour

"NA" = Not Analyzed

"UI" = Analyte Not Detected,
Value Is Instrument Reading

Contour Intervals at: 10, 20 ug/L

EPD GIS Lab (803)725-1417

REFERENCE DOCUMENT #
 WSRC-TR-95-0146-2 F-Area Seepage Basins
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- PAVED ROAD
- UNPAVED ROAD
- STREAM
- FENCE LINE
- SEEPLINE
- RAILROAD
- TOPOGRAPHIC CONTOUR
Contour Interval 10 FT
- INFERRED
CONSTITUENT CONTOUR
- CONSTITUENT CONTOUR
- BASIN
- RCRA-CERTIFIED
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- MONITORING WELL

Scale 1:900 FT
1:274 M

TITLE:

SAVANNAH RIVER SITE
GENERAL SEPARATIONS
AREA 1st QUARTER '95

AQUIFER:

BARNWELL/McBEAN

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WSRC-TR-95-0146-2 F-Area Seepage Basins

Groundwater Monitoring Report

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Groundwater Monitoring Report

PAVED ROAD

UNPAVED ROAD

STREAM

FENCE LINE

SEEPLINE

RAILROAD

TOPOGRAPHIC CONTOUR
Contour Interval 10 FT

INFERRED
CONSTITUENT CONTOUR

CONSTITUENT CONTOUR

BASIN

RCRA-CERTIFIED
CLOSED BASIN

MONITORING WELL

Scale 1:900 FT
1:274 M

TITLE:

SAVANNAH RIVER SITE
GENERAL SEPARATIONS
AREA 1st QUARTER '95

AQUIFER:

CONGAREE

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CADMIUM

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Value Is Instrument Reading

Contour Intervals at: 10, 20 ug/L

EPD GIS Lab (803)725-1417

LATITUDE-
LONGITUDE

33.253

33.253

-81.702

-81.626

0

900

1800

2700

Scale 1:900 FT
1:274 M

TITLE:

SAVANNAH RIVER SITE
GENERAL SEPARATIONS
AREA 1st QUARTER '95

AQUIFER:

WATER TABLE

CONSTITUENT:

GROSS ALPHA

GWPS = 15 pCi/L

"NS" = Not Sampled

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"NA" = Not Analyzed

"UI" = Analyte Not Detected,
Value Is Instrument Reading

Contour Intervals at: 15, 150, 1500 pCi/L

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1:274 M

TITLE:

SAVANNAH RIVER SITE
GENERAL SEPARATIONS
AREA 1st QUARTER '95

AQUIFER:

BARNWELL/McBEAN

CONSTITUENT:

LEAD

GWPS = 50 ug/L

"NS" = Not Sampled

"*" = Wells Not Used to Contour

"NA" = Not Analyzed

"UI" = Analyte Not Detected,
Value Is Instrument Reading

Contour Intervals at: 50, 500 ug/L

EPD GIS Lab (803)725-1417

UPPER THREE R

HWMW
DISPOSAL
VAULTS

F AREA

NS ▲ BG04
BG043A

NS ▲ BG014AR
BG041A ▲ 3.1
BG025A ▲

NS ▲ NS
BG053A BG053A

NS BG026A

NS ▲ BG045A

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AREA 1st QUARTER '95**

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- MONITORING WELL**

[illegible]

TITLE:

**SAVANNAH RIVER SITE
GENERAL SEPARATIONS
AREA 1st QUARTER '95**

AQUIFER:

WATER TABLE

CONSTITUENT:

MERCURY

GWPS = 2 ug/L

"NS" = Not Sampled

"*" = Wells Not Used to Contour

"NA" = Not Analyzed

**"UT" = Analyte Not Detected,
Value Is Instrument Reading**

Contour Intervals at: 2, 4, 8 ug/L

EPD GIS Lab (803)725-1417

UPPER THREE RUNS

250

150

200

OSAL
TS

<0.33
HMD30

<0.33
HMD40

<0.33
HMD20

<0.33
BGX70

<0.33
BGX60

<0.33
HMD10

0.91
BGX50

<0.33
BGX40

<0.33
BGX30

<0.33
BGX28

<0.33
BGX20

E-AREA

<0.33
BGX1C

<0.33
BG06B

<0.33
BG05C

<0.33
BG044C

<0.33
BG044B

<0.33
BG06C

<0.33
BG010B

<0.33
BG010C

<0.33
BG03C

<0.33
BG043D

<0.33
BG043CR

<0.33
BG012CR

<0.33
BG013DR

<0.33
BG042C

<0.33
BG014CR

<0.33
BG016B

NS
BG020B

NS
BG020AA

NS
BG020C

NS
BG052B

NS
BG052C

NS
BG051B

NS
BG051C

<0.33
BG051B

<0.33
BG051C

HSB85B
<0.33

<0.33
HSL6C

NS
BG045B

<0.33
BG045C

<0.33
BG027C

<0.33
BG039C

OLD BURIAL GROUND

MWMF

VAULTS

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CLOSED BASIN
- MONITORING WELL

-81.702

-81.626

Scale 1:900 FT
1:274 M

TITLE:

SAVANNAH RIVER SITE
GENERAL SEPARATIONS
AREA 1st QUARTER '95

AQUIFER:

BARNWELL/McBEAN

CONSTITUENT:

MERCURY

GWPS = 2 ug/L

"NS" = Not Sampled

"*" = Wells Not Used to Contour

"NA" = Not Analyzed

"UI" = Analyte Not Detected,
Value Is Instrument Reading

Contour Intervals at: 2, 4, 8 ug/L

EPD GIS Lab (803)725-1417

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SAVANNAH RIVER SITE
GENERAL SEPARATIONS
AREA 1st QUARTER '95

AQUIFER:

CONGAREE

CONSTITUENT:

MERCURY

GWPS = 2 ug/L

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"*" = Wells Not Used to Contour

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Value Is Instrument Reading

Contour Intervals at: 2, 4, 8 ug/L

EPD GIS Lab (803)725-1417

UPPER TE

HV
DISPOSAL
WASTE

Approximate northern limit
of saturation in Aquifer Zone
IB₂ (Water Table)

FSL 10
370,000

410
FSL 20

260,000
FSL 10

920
BG014C

920
BG0260

1,300

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CLOSED BASIN
- MONITORING WELL

33.313 81.702 81.626 33.313

LATITUDE-
LONGITUDE

33.253 02 06 33.253

Scale 1:900 FT
1:274 M

TITLE:

SAVANNAH RIVER SITE
GENERAL SEPARATIONS
AREA 1st QUARTER '95

AQUIFER:

WATER TABLE

CONSTITUENT:

NITRATE

GWPS = 10,000 ug/L

"NS" = Not Sampled

"*" = Wells Not Used to Contour

"NA" = Not Analyzed

"UI" = Analyte Not Detected,
Value Is Instrument Reading

Contour Intervals at: 10000, 20000,
40000, 80000, 160000, 320000 ug/L

EPD GIS Lab (803)725-1417

UPPER T₂

HANCOCK
DISPOSAL
VAULTS

560
HMD3D

230
HMD2D

65
HMD1D

Approximate northern limit
of confined to semi-confined
conditions in Aquifer Zone IIB₁
(Barnwell/McBean)

BC043D
520

680
BC013DR

1,200
BC042C

BC003C

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CLOSED BASIN
- MONITORING WELL

This topographic map depicts the H-AREA SEEPAGE BASIN. The map features contour lines indicating elevation, with major contours labeled at 200, 250, 300, 400, 500, 600, 700, 800, 900, 1,000, 1,100, 1,200, 1,300, 1,400, 1,500, 1,600, 1,700, 1,800, 1,900, 2,000, 2,100, 2,200, 2,300, 2,400, 2,500, 2,600, 2,700, 2,800, 2,900, 3,000, 3,100, 3,200, 3,300, 3,400, 3,500, 3,600, 3,700, 3,800, 3,900, 4,000, 4,100, 4,200, 4,300, 4,400, 4,500, 4,600, 4,700, 4,800, 4,900, 5,000, 5,100, 5,200, 5,300, 5,400, 5,500, 5,600, 5,700, 5,800, 5,900, 6,000, 6,100, 6,200, 6,300, 6,400, 6,500, 6,600, 6,700, 6,800, 6,900, 7,000, 7,100, 7,200, 7,300, 7,400, 7,500, 7,600, 7,700, 7,800, 7,900, 8,000, 8,100, 8,200, 8,300, 8,400, 8,500, 8,600, 8,700, 8,800, 8,900, 9,000, 9,100, 9,200, 9,300, 9,400, 9,500, 9,600, 9,700, 9,800, 9,900, 10,000, 10,100, 10,200, 10,300, 10,400, 10,500, 10,600, 10,700, 10,800, 10,900, 11,000, 11,100, 11,200, 11,300, 11,400, 11,500, 11,600, 11,700, 11,800, 11,900, 12,000, 12,100, 12,200, 12,300, 12,400, 12,500, 12,600, 12,700, 12,800, 12,900, 13,000, 13,100, 13,200, 13,300, 13,400, 13,500, 13,600, 13,700, 13,800, 13,900, 14,000, 14,100, 14,200, 14,300, 14,400, 14,500, 14,600, 14,700, 14,800, 14,900, 15,000, 15,100, 15,200, 15,300, 15,400, 15,500, 15,600, 15,700, 15,800, 15,900, 16,000, 16,100, 16,200, 16,300, 16,400, 16,500, 16,600, 16,700, 16,800, 16,900, 17,000, 17,100, 17,200, 17,300, 17,400, 17,500, 17,600, 17,700, 17,800, 17,900, 18,000, 18,100, 18,200, 18,300, 18,400, 18,500, 18,600, 18,700, 18,800, 18,900, 19,000, 19,100, 19,200, 19,300, 19,400, 19,500, 19,600, 19,700, 19,800, 19,900, 20,000, 20,100, 20,200, 20,300, 20,400, 20,500, 20,600, 20,700, 20,800, 20,900, 21,000, 21,100, 21,200, 21,300, 21,400, 21,500, 21,600, 21,700, 21,800, 21,900, 22,000, 22,100, 22,200, 22,300, 22,400, 22,500, 22,600, 22,700, 22,800, 22,900, 23,000, 23,100, 23,200, 23,300, 23,400, 23,500, 23,600, 23,700, 23,800, 23,900, 24,000, 24,100, 24,200, 24,300, 24,400, 24,500, 24,600, 24,700, 24,800, 24,900, 25,000, 25,100, 25,200, 25,300, 25,400, 25,500, 25,600, 25,700, 25,800, 25,900, 26,000, 26,100, 26,200, 26,300, 26,400, 26,500, 26,600, 26,700, 26,800, 26,900, 27,000, 27,100, 27,200, 27,300, 27,400, 27,500, 27,600, 27,700, 27,800, 27,900, 28,000, 28,100, 28,200, 28,300, 28,400, 28,500, 28,600, 28,700, 28,800, 28,900, 29,000, 29,100, 29,200, 29,300, 29,400, 29,500, 29,600, 29,700, 29,800, 29,900, 30,000, 30,100, 30,200, 30,300, 30,400, 30,500, 30,600, 30,700, 30,800, 30,900, 31,000, 31,100, 31,200, 31,300, 31,400, 31,500, 31,600, 31,700, 31,800, 31,900, 32,000, 32,100, 32,200, 32,300, 32,400, 32,500, 32,600, 32,700, 32,800, 32,900, 33,000, 33,100, 33,200, 33,300, 33,400, 33,500, 33,600, 33,700, 33,800, 33,900, 34,000, 34,100, 34,200, 34,300, 34,400, 34,500, 34,600, 34,700, 34,800, 34,900, 35,000, 35,100, 35,200, 35,300, 35,400, 35,500, 35,600, 35,700, 35,800, 35,900, 36,000, 36,100, 36,200, 36,300, 36,400, 36,500, 36,600, 36,700, 36,800, 36,900, 37,000, 37,100, 37,200, 37,300, 37,400, 37,500, 37,600, 37,700, 37,800, 37,900, 38,000, 38,100, 38,200, 38,300, 38,400, 38,500, 38,600, 38,700, 38,800, 38,900, 39,000, 39,100, 39,200, 39,300, 39,400, 39,500, 39,600, 39,700, 39,800, 39,900, 40,000, 40,100, 40,200, 40,300, 40,400, 40,500, 40,600, 40,700, 40,800, 40,900, 41,000, 41,100, 41,200, 41,300, 41,400, 41,500, 41,600, 41,700, 41,800, 41,900, 42,000, 42,100, 42,200, 42,300, 42,400, 42,500, 42,600, 42,700, 42,800, 42,900, 43,000, 43,100, 43,200, 43,300, 43,400, 43,500, 43,600, 43,700, 43,800, 43,900, 44,000, 44,100, 44,200, 44,300, 44,400, 44,500, 44,600, 44,700, 44,800, 44,900, 45,000, 45,100, 45,200, 45,300, 45,400, 45,500, 45,600, 45,700, 45,800, 45,900, 46,000, 46,100, 46,200, 46,300, 46,400, 46,500, 46,600, 46,700, 46,800, 46,900, 47,000, 47,100, 47,200, 47,300, 47,400, 47,500, 47,600, 47,700, 47,800, 47,900, 48,000, 48,100, 48,200, 48,300, 48,400, 48,500, 48,600, 48,700, 48,800, 48,900, 49,000, 49,100, 49,200, 49,300, 49,400, 49,500, 49,600, 49,700, 49,800, 49,900, 50,000, 50,100, 50,200, 50,300, 50,400, 50,500, 50,600, 50,700, 50,800, 50,900, 51,000, 51,100, 51,200, 51,300, 51,400, 51,500, 51,600, 51,700, 51,800,

Scale 1:900 FT
1:274 M

TITLE:

SAVANNAH RIVER SITE
GENERAL SEPARATIONS
AREA 1st QUARTER '95

AQUIFER:

BARNWELL/McBEAN

CONSTITUENT:

NITRATE

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"*" = Wells Not Used to Contour

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Value Is Instrument Reading

Contour Intervals at: 10000, 20000,
40000, 80000, 160000, 320000 ug/L

EPD GIS Lab (803)725-1417

UPPER THREE RUNS

250

E-AREA

VAULTS

ROAD 4

<83 BGX4A
NS BGX1A
<83 BG09AA
<83 BG044A
<83 BG04AA
<83 BG06A
<83 BG010AA
490 BG010AR
<83 BG043AA
NS BG043A
<83 BG012AR
120 BG014AR
NS BG014A
<83 BG025A
NS BG053A
NS BG053AA
NS BG026A
560 BG016AR
<83 BG018A
NS BG020A
NS BG052A
NS BG052AA
<83 BG051A
<83 BG051AA
<83 HSB85A
<83 HSL8AA
88 HSL6A
<83 HSL6AA

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CLOSED BASIN
- MONITORING WELL

33.313 -81.702 -81.626 33.313

LATITUDE-
LONGITUDE

33.253 -81.702 -81.626 33.253

81.702

81.626

Scale 1:900 FT
1:274 M

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"NA" = Not Analyzed

"UT" = Analyte Not Detected,
Value Is Instrument Reading

Contour Intervals at: 10000, 20000,
40000, 80000, 160000, 320000 ug/L

EPD GIS Lab (803)725-1417

REFERENCE DOCUMENT #

WSRC-TR-95-0146-2 F-Area Seepage Basins

Groundwater Monitoring Report

WSRC-TR-95-0147-2 H-Area Seepage Basins

Groundwater Monitoring Report

PAVED ROAD

UNPAVED ROAD

STREAM

FENCE LINE

SEEPLINE

RAILROAD

TOPOGRAPHIC CONTOUR
Contour Interval 10 FT

**INFERRED
CONSTITUENT CONTOUR**

CONSTITUENT CONTOUR

BASIN

**RCRA-CERTIFIED
CLOSED BASIN**

MONITORING WELL

OLD BURIAL GROUND

Scale 1:900 FT
1:274 M

TITLE:

SAVANNAH RIVER SITE
GENERAL SEPARATIONS
AREA 1st QUARTER '95

AQUIFER:

WATER TABLE

CONSTITUENT:

NONVOLATILE BETA

GWPS = 50 pCi/L

"NS" = Not Sampled

"*" = Wells Not Used to Contour

"NA" = Not Analyzed

"UT" = Analyte Not Detected,
Value Is Instrument Reading

Contour Intervals at: 50, 1000,
2000 pCi/L

EPD GIS Lab (803)725-1417

REFERENCE DOCUMENT #
WSRC-TR-95-0146-2 F-Area Seepage Basins
Groundwater Monitoring Report
WSRC-TR-95-0147-2 H-Area Seepage Basins
Groundwater Monitoring Report

- PAVED ROAD
- UNPAVED ROAD
- STREAM
- FENCE LINE
- SEEPLINE
- RAILROAD
- TOPOGRAPHIC CONTOUR
Contour Interval 10 FT
- INFERRED
CONSTITUENT CONTOUR
- CONSTITUENT CONTOUR
- BASIN
- RCRA-CERTIFIED
CLOSED BASIN
- MONITORING WELL

OLD BURIAL GROUND

TITLE:
SAVANNAH RIVER SITE
GENERAL SEPARATIONS
AREA 1st QUARTER '95

AQUIFER:
BARNWELL/McBEAN

CONSTITUENT:
NONVOLATILE BETA
GWPS = 50 pCi/L
"NS" = Not Sampled
"*" = Wells Not Used to Contour
"NA" = Not Analyzed
"UT" = Analyte Not Detected,
Value Is Instrument Reading
Contour Intervals at: 50, 1000,
2000 pCi/L

EPD GIS Lab (803)725-1417

R THREE RUNS

250

150

200

ROAD 4

E-AREA

VAULTS

MWMF

OLD BURIAL GROUND

2.8
BGX4A

NS
BGX1A

3.1
BGO44AA
BGO44A

2
BGO6A

2.5
BGO10AA
1.9
BGO10AR

NS
BGO43AA
BGO43A
2.0U
BGO12AR

3.2
BGO14AR
0.79U
BGO25A
NS
BGO53A
BGO53AA
NS
BGO26A

0.33U
BGO18A
1.4U
BGO16AR

NS
BGO20A
NS
BGO52A
NS
BGO52AA

2.5
BGO51A
9.3
BGO51AA

6.2
BGO39A

0.93U
HSL85A

1.1U
HSL8AA
1.8
HS

2
-0.20U
HSL6AA
HSL6A

REFERENCE DOCUMENT #
WSRC-TR-95-0146-2 F-Area Seepage Basins
Groundwater Monitoring Report
WSRC-TR-95-0147-2 H-Area Seepage Basins
Groundwater Monitoring Report

- PAVED ROAD**
- UNPAVED ROAD**
- STREAM**
- FENCE LINE**
- SEELINE**
- RAILROAD**
- TOPOGRAPHIC CONTOUR**
Contour Interval 10 FT
- INFERRED**
CONSTITUENT CONTOUR
- CONSTITUENT CONTOUR**
- BASIN**
- RCRA-CERTIFIED**
CLOSED BASIN
- MONITORING WELL**

OLD BURIAL GROUND

REFERENCE DOCUMENT #
WSRC-TR-95-0146-2 F-Area Seepage Basins
Groundwater Monitoring Report
WSRC-TR-95-0147-2 H-Area Seepage Basins
Groundwater Monitoring Report

- PAVED ROAD**
- UNPAVED ROAD**
- STREAM**
- FENCE LINE**
- SEEPLINE**
- RAILROAD**
- TOPOGRAPHIC CONTOUR**
Contour Interval 10 FT
- INFERRED CONSTITUENT CONTOUR**
- CONSTITUENT CONTOUR**
- BASIN**
- RCRA-CERTIFIED CLOSED BASIN**
- MONITORING WELL**

[illegible]

TITLE:
SAVANNAH RIVER SITE
GENERAL SEPARATIONS
AREA 1st QUARTER '95

AQUIFER:
WATER TABLE

CONSTITUENT:

RADIUM 226
GWPS = 20 pCi/L

"NS" = Not Sampled

"*" = Wells Not Used to Contour

"NA" = Not Analyzed

"UI" = Analyte Not Detected,
Value Is Instrument Reading

Contour Intervals at: 20, 40, 80 pCi/L

EPD GIS Lab (803)725-1417

REFERENCE DOCUMENT #
WSRC-TR-95-0146-2 F-Area Seepage Basins
Groundwater Monitoring Report
WSRC-TR-95-0147-2 H-Area Seepage Basins
Groundwater Monitoring Report

- **PAVED ROAD**
- **UNPAVED ROAD**
- **STREAM**
- **FENCE LINE**
- **SEEPLINE**
- **RAILROAD**
- **TOPOGRAPHIC CONTOUR**
Contour Interval 10 FT
- **INFERRED**
CONSTITUENT CONTOUR
- **CONSTITUENT CONTOUR**
- **BASIN**
- **RCRA-CERTIFIED**
CLOSED BASIN
- **MONITORING WELL**

0 900 1800 2700

Scale 1:900 FT
1:274 M

TITLE:

SAVANNAH RIVER SITE
GENERAL SEPARATIONS
AREA 1st QUARTER '95

AQUIFER:

BARNWELL/McBEAN

CONSTITUENT:

RADIUM 226

GWPS = 20 pCi/L

"NS" = Not Sampled

"*" = Wells Not Used to Contour

"NA" = Not Analyzed

"UT" = Analyte Not Detected,
Value Is Instrument Reading

Contour Intervals at: 20, 40, 80 pCi/L

EPD GIS Lab (803)725-1417

PER THREE RUNC

250

150

200

ROAD 4

E-AREA

VAULTS

MWMF

NA

BGX4A

NS

BGX1A

NA

BG044A

NA

BG09AA

NA

BG04A

NA

BG010AA

NA

BG010AR

NS

BG043A

NA

BG012AR

NA

BG014AR

NS

BG041A

NA

BG025A

NA

BG016AR

NA

BG018A

NS

BG020A

NS

BG052A

NA

BG051A

NS

BG052A

NA

BG051A

NA

BG039A

NA

HSL8AA

NA

HSL6A

NA

HSL6AA

0.080U

HSB85A

REFERENCE DOCUMENT #
WSRC-TR-95-0146-2 F-Area Seepage Basins
Groundwater Monitoring Report
WSRC-TR-95-0147-2 H-Area Seepage Basins
Groundwater Monitoring Report

- **PAVED ROAD**
- **UNPAVED ROAD**
- **STREAM**
- **FENCE LINE**
- **SEEPLINE**
- **RAILROAD**
- **TOPOGRAPHIC CONTOUR**
Contour Interval 10 FT
- **INFERRED**
CONSTITUENT CONTOUR
- **CONSTITUENT CONTOUR**
- **BASIN**
- **RCRA-CERTIFIED**
CLOSED BASIN
- **MONITORING WELL**

OLD BURIAL GROUND

TITLE:
SAVANNAH RIVER SITE
GENERAL SEPARATIONS
AREA 1st QUARTER '95

AQUIFER:
CONGAREE

CONSTITUENT:

RADIUM 226
GWPS = 20 pCi/L
"NS" = Not Sampled
"*" = Wells Not Used to Contour
"NA" = Not Analyzed
"UT" = Analyte Not Detected,
Value Is Instrument Reading

Contour Intervals at: 20, 40, 80 pCi/L

EPD GIS Lab (803)725-1417

UPPER TH

HWMW
DISPOSAL
VAULTS

Approximate northern limit
of saturation in Aquifer Zone
IIB₂ (Water Table)

F AREA

FSL1D
NA

NA
FSL2D

NA
FSL3D

NA
FSL4D

NA
BC0400

NA
BC026

NA
BC0450

NA
BC02

BC01

UPPER THREE RUNS

250

150

200

ROAD 4

E-AREA

VAULTS

MWMF

-0.39U

REFERENCE DOCUMENT #
WSRC-TR-95-0146-2 F-Area Seepage Basins
Groundwater Monitoring Report
WSRC-TR-95-0147-2 H-Area Seepage Basins
Groundwater Monitoring Report

- PAVED ROAD
- UNPAVED ROAD
- STREAM
- FENCE LINE
- SEEPLINE
- RAILROAD
- TOPOGRAPHIC CONTOUR
Contour Interval 10 FT
- INFERRED
CONSTITUENT CONTOUR
- CONSTITUENT CONTOUR
- BASIN
- RCRA-CERTIFIED
CLOSED BASIN
- MONITORING WELL

Scale 1:900 FT
1:274 M

TITLE:

SAVANNAH RIVER SITE
GENERAL SEPARATIONS
AREA 1st QUARTER '95

AQUIFER:

WATER TABLE

CONSTITUENT:

RADIUM 228

GWPS = 20 pCi/L

"NS" = Not Sampled

"*" = Wells Not Used to Contour

"NA" = Not Analyzed

"UT" = Analyte Not Detected,
Value Is Instrument Reading

Contour Intervals at: 20, 100, 200 pCi/L

EPD GIS Lab (803)725-1417

REFERENCE DOCUMENT #
 WSRC-TR-95-0146-2 F-Area Seepage Basins
 Groundwater Monitoring Report
 WSRC-TR-95-0147-2 H-Area Seepage Basins
 Groundwater Monitoring Report

- PAVED ROAD
- UNPAVED ROAD
- STREAM
- FENCE LINE
- SEEPLINE
- RAILROAD
- TOPOGRAPHIC CONTOUR
Contour Interval 10 FT
- INFERRED
CONSTITUENT CONTOUR
- CONSTITUENT CONTOUR
- BASIN
- RCRA-CERTIFIED
CLOSED BASIN
- MONITORING WELL

Scale 1:900 FT
1:274 M

TITLE:

SAVANNAH RIVER SITE
GENERAL SEPARATIONS
AREA 1st QUARTER '95

AQUIFER:

BARNWELL/McBEAN

CONSTITUENT:

RADIUM 228

GWPS = 20 pCi/L

"NS" = Not Sampled

"*" = Wells Not Used to Contour

"NA" = Not Analyzed

"UI" = Analyte Not Detected,
Value Is Instrument Reading

Contour Intervals at: 20, 100, 200 pCi/L

EPD GIS Lab (803)725-1417

REFERENCE DOCUMENT #
WSRC-TR-95-0146-2 F-Area Seepage Basins
Groundwater Monitoring Report
WSRC-TR-95-0147-2 H-Area Seepage Basins
Groundwater Monitoring Report

- **PAVED ROAD**
- **UNPAVED ROAD**
- **STREAM**
- **FENCE LINE**
- **SEEPLINE**
- **RAILROAD**
- **TOPOGRAPHIC CONTOUR**
Contour Interval 10 FT
- **INFERRED**
CONSTITUENT CONTOUR
- **CONSTITUENT CONTOUR**
- **BASIN**
- **RCRA-CERTIFIED**
CLOSED BASIN
- **MONITORING WELL**

81.702

81.626

0 900 1800 2700

Scale 1:900 FT
1:274 M

TITLE:

SAVANNAH RIVER SITE
GENERAL SEPARATIONS
AREA 1st QUARTER '95

AQUIFER:

CONGAREE

CONSTITUENT:

RADIUM 228

GWPS = 20 pCi/L

"NS" = Not Sampled

"*" = Wells Not Used to Contour

"NA" = Not Analyzed

"UI" = Analyte Not Detected,
Value Is Instrument Reading

Contour Intervals at: 20, 100, 200 pCi/L

EPD GIS Lab (803)725-1417

REFERENCE DOCUMENT #

WSRC-TR-95-0146-2 F-Area Seepage Basins

Groundwater Monitoring Report

WSRC-TR-95-0147-2 H-Area Seepage Basins

Groundwater Monitoring Report

PAVED ROAD

UNPAVED ROAD

STREAM

FENCE LINE

SEELINE

RAILROAD

TOPOGRAPHIC CONTOUR
Contour Interval 10 FT

INFERRED
CONSTITUENT CONTOUR

CONSTITUENT CONTOUR

BASIN

RCRA-CERTIFIED
CLOSED BASIN

MONITORING WELL

TITLE:
SAVANNAH RIVER SITE
GENERAL SEPARATIONS
AREA 1st QUARTER '95

AQUIFER:
WATER TABLE

CONSTITUENT:

TRITIUM
GWPS = 20 pCi/mL
"NS" = Not Sampled
"*" = Wells Not Used to Contour
"NA" = Not Analyzed
"UT" = Analyte Not Detected,
Value Is Instrument Reading

Contour Intervals at: 20, 1000, 10000,
100000 pCi/mL

EPD GIS Lab (803)725-1417

THREE RUNS

-81.702

-81.626

0 900 1800 2700

Scale 1:900 FT
1:274 M

TITLE:

SAVANNAH RIVER SITE
GENERAL SEPARATIONS
AREA 1st QUARTER '95

AQUIFER:

BARNWELL/McBEAN

CONSTITUENT:

TRITIUM

GWPS = 20 pCi/mL

"NS" = Not Sampled

"*" = Wells Not Used to Contour

"NA" = Not Analyzed

"UI" = Analyte Not Detected,
Value Is Instrument Reading

Contour Intervals at: 20, 1000, 10000,
100000 pCi/mL

EPD GIS Lab (803)725-1417

PER THREE RUNS

250

150

200

ROAD 4

E-AREA

VAULT

MWME

0.22UI
BGX4A

NS

BGX1A

-0.44UI
BG09AA

0.98

2.2
BG04AA

0.84
BG06A

0.34UI
BG010AA

-0.052UI
BG010AR

0.076UI
BG08AR

200
BG03A

0.36UI
BG043AA
NS
BG043A

1
BG012AR

1.4
BG014AR
NS
1A
BG025A

3.0
-0.13UI
BG018A
-0.057UI
BG016AR

NS
BG020A

NS
BG052A

-0.21UI
BG051A

-0.029UI
BG051AA

-0.23UI
HSL85A

1.4
HSL8AA

-0.073UI
HSL6AA
-0.16UI
HSL6A

NS
BG026A

-0.12UI
BG039A

1.7
HSL85A

SEE BURIAL GROUND

**WSRC-TR-95-0146-2 F-Area Seepage Basins
Groundwater Monitoring Report
WSRC-TR-95-0147-2 H-Area Seepage Basins
Groundwater Monitoring Report**

- **PAVED ROAD**
- **UNPAVED ROAD**
- **STREAM**
- **FENCE LINE**
- **SEEPLINE**
- **RAILROAD**
- **TOPOGRAPHIC CONTOUR**
Contour Interval 10 FT
- **INFERRED**
CONSTITUENT CONTOUR
- **CONSTITUENT CONTOUR**
- **BASIN**
- **RCRA-CERTIFIED**
CLOSED BASIN
- **MONITORING WELL**

C

103

OLD BURIAL GROUND

TITLE:

SAVANNAH RIVER SITE
GENERAL SEPARATIONS
AREA 1st QUARTER '95

AQUIFER:

CONGAREE

CONSTITUENT:

TRITIUM

GWPS = 20 pCi/mL

"NS" = Not Sampled

"*" = Wells Not Used to Contour

"NA" = Not Analyzed

"UT" = Analyte Not Detected,
Value Is Instrument Reading

Contour Intervals at: 20, 1000, 10000,
100000 pCi/mL

EPD GIS Lab (803)725-1417

REFERENCE DOCUMENT #

WSRC-TR-95-0146-2 F-Area Seepage Basins

Groundwater Monitoring Report

WSRC-TR-95-0147-2 H-Area Seepage Basins

Groundwater Monitoring Report

- **PAVED ROAD**
UNPAVED ROAD
STREAM
FENCE LINE
SEEPLINE
RAILROAD
TOPOGRAPHIC CONTOUR
 Contour Interval 10 FT
**INFERRED
POTENTIOMETRIC CONTOUR**
POTENTIOMETRIC CONTOUR
BASIN
**RCRA-CERTIFIED
CLOSED BASIN**
MONITORING WELL

TITLE:

SAVANNAH RIVER SITE
GENERAL SEPARATIONS
AREA 1st QUARTER '95

AQUIFER:

WATER TABLE

NOTES:

POTENTIOMETRIC
SURFACE

"NS" = Not Sampled

"*" = Wells Not Used to Contour

Contour Interval: 2 FT

EPD GIS Lab (803)725-1417

UPPER T

HWM
DISPOSAL
VAULTS

Approximate northern limit
of saturation in Aquifer Zone
IIB₂ (Water Table)

F AREA

224.28
FSL10

224.86
FSL20

222.2
FSL30

BGO260
228.60
BGO400
222.7

2

B

2

B

REFERENCE DOCUMENT #
WSRC-TR-95-0146-2 F-Area Seepage Basins
Groundwater Monitoring Report
WSRC-TR-95-0147-2 H-Area Seepage Basins
Groundwater Monitoring Report

- PAVED ROAD**
- UNPAVED ROAD**
- STREAM**
- FENCE LINE**
- SEEPLINE**
- RAILROAD**
- TOPOGRAPHIC CONTOUR**
Contour Interval 10 FT
- INFERRED**
POTENTIOMETRIC CONTOUR
- POTENTIOMETRIC CONTOUR**
- BASIN**
- RCRA-CERTIFIED**
CLOSED BASIN
- MONITORING WELL**

ROA

TITLE:

SAVANNAH RIVER SITE
GENERAL SEPARATIONS
AREA 2nd QUARTER '95

AQUIFER:

WATER TABLE

NOTES:

POTENTIOMETRIC
SURFACE

"NS" = Not Sampled

"*" = Wells Not Used to Contour

Contour Interval: 2 FT

EPD GIS Lab (803)725-1417

UPPER THREE RUNS

WWMF
POSAL
LTS

200.68
HMD30

201.27
HMD20

200.75
HMD40

205.38
BGX60

205.42
BGX70

206.55
BGX80R

209.17
HMD10

208.26
BGX30

212.98
BGX28

215.27
BGX20

215.19
BGX40

214.12
BGX4C

214.66
BGX30

216.52
BGX1C

216.4
BGO5C

219.66
BGO6B

221.4
BGO44B

221.16
BGO44C

220.66
BGO6C

219.83
BGO10B

223.7
BGO8C

NS
BGO3C

220.72
BGO10C

230.95
BGO43D

224.95
BGO43CR

221.4
BGO12CR

230.83
BGO13DR

223.96
BGO14CR

223.68
BGO42C

219.06
BGO16B

236.55
BGO12C

234.92
HSB85B

231.67 232.63
BGO51B BGO51C

232.64
BGO39C

246
HSL
247
HSL

223.48
BGO45C

219.8
BGO45B

232.87

REFERENCE DOCUMENT #

**WSRC-TR-95-0146-2 F-Area Seepage Basins
Groundwater Monitoring Report
WSRC-TR-95-0147-2 H-Area Seepage Basins
Groundwater Monitoring Report**

PAVED ROAD

UNPAVED ROAD

STREAM

FENCE LINE

SEEP LINE

RAILROAD

TOPOGRAPHIC CONTOUR
Contour Interval 10 FT

**INFERRED
POTENTIOMETRIC CONTOUR**

POTENTIOMETRIC CONTOUR

BASIN

**RCRA-CERTIFIED
CLOSED BASIN**

MONITORING WELL

TITLE:

SAVANNAH RIVER SITE
GENERAL SEPARATIONS
AREA 1st QUARTER '95

AQUIFER:

BARNWELL/McBEAN

NOTES:

POTENTIOMETRIC
SURFACE

"NS" = Not Sampled

"*" = Wells Not Used to Contour

Contour Interval: 2 FT

EPD GIS Lab (803)725-1417

REFERENCE DOCUMENT #
WSRC-TR-95-0146-2 F-Area Seepage Basins
Groundwater Monitoring Report
WSRC-TR-95-0147-2 H-Area Seepage Basins
Groundwater Monitoring Report

- **PAVED ROAD**
- **UNPAVED ROAD**
- **STREAM**
- **FENCE LINE**
- **SEEPLINE**
- **RAILROAD**
- **TOPOGRAPHIC CONTOUR**
Contour Interval 10 FT
- **INFERRED**
POTENTIOMETRIC CONTOUR
- **POTENTIOMETRIC CONTOUR**
- **BASIN**
- **RCRA-CERTIFIED**
CLOSED BASIN
- **MONITORING WELL**

TITLE:

SAVANNAH RIVER SITE
GENERAL SEPARATIONS
AREA 2nd QUARTER '95

AQUIFER:

BARNWELL/McBEAN

NOTES:

POTENTIOMETRIC
SURFACE

"NS" = Not Sampled

"*" = Wells Not Used to Contour

Contour Interval: 2 FT

EPD GIS Lab (803)725-1417

THREE RUNS

250

150

200

ROAD 4

E-AREA

VAULTS

MWME

170

REFERENCE DOCUMENT #
WSRC-TR-95-0146-2 F-Area Seepage Basins
Groundwater Monitoring Report
WSRC-TR-95-0147-2 H-Area Seepage Basins
Groundwater Monitoring Report

- **PAVED ROAD**
- **UNPAVED ROAD**
- **STREAM**
- **FENCE LINE**
- **SEEPLINE**
- **RAILROAD**
- **TOPOGRAPHIC CONTOUR**
Contour Interval 10 FT
- **INFERRED**
POTENTIOMETRIC CONTOUR
- **POTENTIOMETRIC CONTOUR**
- **BASIN**
- **RCRA-CERTIFIED**
CLOSED BASIN
- **MONITORING WELL**

OLD BURIAL GROUND

ROAD

TITLE:

SAVANNAH RIVER SITE
GENERAL SEPARATIONS
AREA 1st QUARTER '95

AQUIFER:

CONGAREE

NOTES:

POTENTIOMETRIC
SURFACE

"NS" = Not Sampled

"*" = Wells Not Used to Contour

Contour Interval: 1 FT

EPD GIS Lab (803)725-1417

UPPER THREE RUNS

250

150

200

ROAD 4

E-AREA

VAULTS

MYME

155.15
BGX4A

159.45
BGX1A

158.29
BG09AA

157.91
BG04AA

159.39
BG06A

157.8
BG010AA

158.55
BG044A

162.37
BG08AR

NS
BG03A

156.51
BG043A

159.15
BG043AA

158.38
BG010AR

157.7
BG012AR

158.95
BG014AR

161.4
BG025A

159.28
BG053AA

161.18
BG016AR

161.5
BG018A

NS
BG020A

NS
BG052A

NS
BG051A

165.52
BG052A

168.22
BG051AA

167.4
BG039A

169.49
HSB85A

169.4
HSL6AA

168.69
HSL6A

176.0
HSL6

173.0
HSL6

160.79
BG045A

REFERENCE DOCUMENT #
WSRC-TR-95-0146-2 F-Area Seepage Basins
Groundwater Monitoring Report
WSRC-TR-95-0147-2 H-Area Seepage Basins
Groundwater Monitoring Report

- **PAVED ROAD**
- **UNPAVED ROAD**
- **STREAM**
- **FENCE LINE**
- **SEEPLINE**
- **RAILROAD**
- **TOPOGRAPHIC CONTOUR**
Contour Interval 10 FT
- **INFERRED**
POTENTIOMETRIC CONTOUR
- **POTENTIOMETRIC CONTOUR**
- **BASIN**
- **RCRA-CERTIFIED**
CLOSED BASIN
- **MONITORING WELL**

OLD BURIAL GROUND

Scale 1:900 FT
1:274 M

TITLE:

SAVANNAH RIVER SITE
GENERAL SEPARATIONS
AREA 2nd QUARTER '95

AQUIFER:

CONGAREE

NOTES:

POTENTIOMETRIC
SURFACE

"NS" = Not Sampled

"*" = Wells Not Used to Contour

Contour Interval: 1 FT

EPD GIS Lab (803)725-1417