RECEIVED

MAY 01 1997

Unclassified

OSTI

GENERAL SEPARATIONS AREA MAPS FOR THE F- AND H-AREA HAZARDOUS WASTE MANAGEMENT FACILITIES GROUNDWATER MONITORING REPORTS (U)

THIRD AND FOURTH QUARTERS 1996

Volume II

Publication Date: March 1997

Document Reference Numbers:
WSRC-TR-96-0146-4 F-Area HWMF
WSRC-TR-96-0147-4 H-Area HWMF

Authorized Derivative Classifier
and Reviewing Official:

UNCLASSIFIED
Does Not Contain Unclassified
Controlled Nuclear Information

Westinghouse Savannah River Company
Savannah River Site
Aiken, SC 29808

Prepared for the U.S. Department of Energy under Control Contract No. DE-AC09-89SR18035

MASTER

DISTRIBUTION OF THIS DOCUMENT IS UNLIMITED

GENERAL SEPARATIONS AREA MAPS FOR THE F- AND H-AREA HAZARDOUS WASTE MANAGEMENT FACILITIES GROUNDWATER MONITORING REPORTS (U)

THIRD AND FOURTH QUARTERS 1996

Volume II

Publication Date: March 1997

**Document Reference Numbers:
WSRC-TR-96-0146-4 F-Area HWMF
WSRC-TR-96-0147-4 H-Area HWMF**

Authorized Derivative Classifier
and Reviewing Official:

UNCLASSIFIED
Does Not Contain Unclassified
Controlled Nuclear Information

Westinghouse Savannah River Company
Savannah River Site
Aiken, SC 29808

Prepared for the U.S. Department of Energy under Control Contract No. DE-AC09-89SR18035

DISCLAIMER

This report was prepared by Westinghouse Savannah River Company (WSRC) for the United States Department of Energy under Contract No. DE-AC09-89SF118035 and is an account of work performed under that contract. Reference herein to any specific commercial product, process, or service by trademark, name, manufacturer, or otherwise does not necessarily constitute or imply endorsement, recommendation, or favoring of same by WSRC or by the United States Government or any agency thereof.

DISCLAIMER

**Portions of this document may be illegible
in electronic image products. Images are
produced from the best available original
document.**

GENERAL SEPARATIONS AREA MAPS FOR THE F- AND H-AREA HAZARDOUS WASTE MANAGEMENT FACILITIES GROUNDWATER MONITORING REPORTS (U)

THIRD AND FOURTH QUARTERS 1996

Volume II

Publication Date: March 1997

**Document Reference Numbers:
WSRC-TR-96-0146-4 F-Area HWMF
WSRC-TR-96-0147-4 H-Area HWMF**

Westinghouse Savannah River Company
Savannah River Site
Aiken, SC 29808

Prepared for the U.S. Department of Energy under Control Contract No. DE-AC09-89SR18035

THIS PAGE LEFT BLANK INTENTIONALLY.

Contents

Volume II

Appendix F—General Separations Area Maps for the F- and H-Area Hazardous Waste Management Facilities Groundwater Monitoring Reports

	Page
1. Cadmium Concentrations in Aquifer Zone IIB ₂ (Water Table) at the General Separations Area, Fourth Quarter 1996.....	F-3
2. Cadmium Concentrations in Aquifer Zone IIB ₁ (Barnwell/McBean) at the General Separations Area, Fourth Quarter 1996.....	F-3
3. Cadmium Concentrations in Aquifer Unit IIA (Congaree) at the General Separations Area, Fourth Quarter 1996	F-3
4. Gross Alpha Activities in Aquifer Zone IIB ₂ (Water Table) at the General Separations Area, Fourth Quarter 1996.....	F-4
5. Gross Alpha Activities in Aquifer Zone IIB ₁ (Barnwell/McBean) at the General Separations Area, Fourth Quarter 1996.....	F-4
6. Gross Alpha Activities in Aquifer Unit IIA (Congaree) at the General Separations Area, Fourth Quarter 1996.....	F-4
7. Iodine-129 Activities in Aquifer Zone IIB ₂ (Water Table) at the General Separations Area, Third Quarter 1996	F-5
8. Iodine-129 Activities in Aquifer Zone IIB ₁ (Barnwell/McBean) at the General Separations Area, Third Quarter 1996	F-5
9. Iodine-129 Activities in Aquifer Unit IIA (Congaree) at the General Separations Area, Third Quarter 1996.....	F-5
10. Lead Concentrations in Aquifer Zone IIB ₂ (Water Table) at the General Separations Area, Fourth Quarter 1996	F-6
11. Lead Concentrations in Aquifer Zone IIB ₁ (Barnwell/McBean) at the General Separations Area, Fourth Quarter 1996.....	F-6
12. Lead Concentrations in Aquifer Unit IIA (Congaree) at the General Separations Area, Fourth Quarter 1996	F-6
13. Mercury Concentrations in Aquifer Zone IIB ₂ (Water Table) at the General Separations Area, Fourth Quarter 1996.....	F-7
14. Mercury Concentrations in Aquifer Zone IIB ₁ (Barnwell/McBean) at the General Separations Area, Fourth Quarter 1996.....	F-7
15. Mercury Concentrations in Aquifer Unit IIA (Congaree) at the General Separations Area, Fourth Quarter 1996.....	F-7
16. Nitrate Concentrations in Aquifer Zone IIB ₂ (Water Table) at the General Separations Area, Fourth Quarter 1996	F-8
17. Nitrate Concentrations in Aquifer Zone IIB ₁ (Barnwell/McBean) at the General Separations Area, Fourth Quarter 1996.....	F-8
18. Nitrate Concentrations in Aquifer Unit IIA (Congaree) at the General Separations Area, Fourth Quarter 1996	F-8
19. Nonvolatile Beta Activities in Aquifer Zone IIB ₂ (Water Table) at the General Separations Area, Fourth Quarter 1996.....	F-9

20. Nonvolatile Beta Activities in Aquifer Zone IIB ₁ (Barnwell/McBean) at the General Separations Area, Fourth Quarter 1996	F-9
21. Nonvolatile Beta Activities in Aquifer Unit IIA (Congaree) at the General Separations Area, Fourth Quarter 1996	F-9
22. Strontium-90 Activities in Aquifer Zone IIB ₂ (Water Table) at the General Separations Area, Third Quarter 1996	F-10
23. Strontium-90 Activities in Aquifer Zone IIB ₁ (Barnwell/McBean) at the General Separations Area, Third Quarter 1996	F-10
24. Strontium-90 Activities in Aquifer Unit IIA (Congaree) at the General Separations Area, Third Quarter 1996	F-10
25. Technetium-99 Activities in Aquifer Zone IIB ₂ (Water Table) at the General Separations Area, Third Quarter 1996	F-11
26. Technetium-99 Activities in Aquifer Zone IIB ₁ (Barnwell/McBean) at the General Separations Area, Third Quarter 1996	F-11
27. Technetium-99 Activities in Aquifer Unit IIA (Congaree) at the General Separations Area, Third Quarter 1996	F-11
28. Tritium Activities in Aquifer Zone IIB ₂ (Water Table) at the General Separations Area, Fourth Quarter 1996	F-12
29. Tritium Activities in Aquifer Zone IIB ₁ (Barnwell/McBean) at the General Separations Area, Fourth Quarter 1996	F-12
30. Tritium Activities in Aquifer Unit IIA (Congaree) at the General Separations Area, Fourth Quarter 1996	F-12
31. Uranium-233/234 Activities in Aquifer Zone IIB ₂ (Water Table) at the General Separations Area, Third Quarter 1996	F-13
32. Uranium-233/234 Activities in Aquifer Zone IIB ₁ (Barnwell/McBean) at the General Separations Area, Third Quarter 1996	F-13
33. Uranium-233/234 Activities in Aquifer Unit IIA (Congaree) at the General Separations Area, Third Quarter 1996	F-13
34. Uranium-238 Activities in Aquifer Zone IIB ₂ (Water Table) at the General Separations Area, Third Quarter 1996	F-14
35. Uranium-238 Activities in Aquifer Zone IIB ₁ (Barnwell/McBean) at the General Separations Area, Third Quarter 1996	F-14
36. Uranium-238 Activities in Aquifer Unit IIA (Congaree) at the General Separations Area, Third Quarter 1996	F-14
37. Potentiometric Surface Map of Aquifer Zone IIB ₂ (Water Table) at the General Separations Area, Third Quarter 1996	F-15
38. Potentiometric Surface Map of Aquifer Zone IIB ₂ (Water Table) at the General Separations Area, Fourth Quarter 1996	F-15
39. Potentiometric Surface Map of Aquifer Zone IIB ₁ (Barnwell/McBean) at the General Separations Area, Third Quarter 1996	F-16
40. Potentiometric Surface Map of Aquifer Zone IIB ₁ (Barnwell/McBean) at the General Separations Area, Fourth Quarter 1996	F-16
41. Potentiometric Surface Map of Aquifer Unit IIA (Congaree) at the General Separations Area, Third Quarter 1996	F-17

42. Potentiometric Surface Map of Aquifer Unit IIA (Congaree)
at the General Separations Area, Fourth Quarter 1996..... F-17

THIS PAGE LEFT BLANK INTENTIONALLY.

Appendix F

General Separations Area Maps for the F- and H-Area Hazardous Waste Management Facilities Groundwater Monitoring Reports

THIS PAGE LEFT BLANK INTENTIONALLY.

NOTICE

Page(s) size did not permit electronic reproduction. Information may be purchased by the general public from the National Technical Information Service, U.S. Department of Commerce, Springfield, VA 22161 (Area Code 703-487-4650). DOE and DOE contractors may purchase information by contacting DOE's Office of Scientific and Technical Information, P.O. Box 62, Oak Ridge, TN 37831, Attn: Information Services (Area Code 423-576-8401).