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PROMOTE PROTECT PROSPER

South Carolina Department of Health
and Environmental Control

Part 70 Air Quality Permit

United States Department of Energy
Washington Savannah River Company, LLC - Savannah River Site
Environmental Services Section
Building 735-B
Aiken, SC 29808-0001

(permit updated 7/3/03, 2/2/04, 8/17/04, 11/17/04, 12/16/04, 3/1/05, 11/22/05, 4/19/06, 10/17/06, 1/8/07, 9/4/07 and 12/11/07)

In accordance with the provisions of the Pollution Control Act, Sections 48-1-50(5) and 48-1-110(a), and the 1976 Code of Laws of South Carolina, as amended, Regulation 61-62, the above named permittee is hereby granted permission to discharge air contaminants into the ambient air. The Bureau of Air Quality (BAQ) authorizes the operation of this facility and its applicable equipment specified herein in accordance with the plans, specifications and other information submitted in the Title V permit application received on March 14, 1996, with subsequent amendments being received on January 15, 1997; July 25, 1997; September 19, 1997; October 24, 1997; November 7, 1997; February 18, 1998; May 14, 1998; July 6, 1998; October 1, 1998; December 6, 1999; December 7, 2000; November 13, 2001 and June 6, 2002.

This permit is subject to and conditioned upon the terms, limitations, standards, and schedules contained in or specified on the 76 pages, with the accompanying attachments, of this permit.

Permit Number:	**TV-0080-0041**	**Effective Date:**	**April 1, 2003**
Issue Date:	**February 19, 2003**	**Expiration Date:**	**March 31, 2008**

Assistant Bureau Chief
Bureau of Air Quality

RECORD OF REVISIONS			
Revision Number	**Final Revision Date**	**Type of Revision**	**Description of Change (Specific Parts, Sections, and Tables Revised or Added)**
1	7/3/2003	AA	Replaced wording of conditions 4.B.18, 4.B.19, 4.B.20, 4.B.22 & 4.B.23 with "VOID"
1	7/3/2003	MM	Made the following changes: **1.** Part 5.0a, Table 5.1: Voided unit ID A-001, Cyclone C-012, Baghouse B681 and unit IDA-012 (moved to Attachment B); **2.** Part 5.0a, Table 5.2: Voided ID C012 & B681; **3.** Part 5.0a, Table 5.3: Put "VOID" in the table header and beside the equipment description; **4.** Removed Part 5.0a, Table 5.11 and renamed Table 5.12 as Table 5.11; **5.** Part 6.0a, Table 6.1: Removed all references to IDs A-001 & A-012 and replaced the wording of condition 6.B.13 with "VOID"; **6.** Part 5.0m, Table 5.1: Voided unit ID M-002; **7.** Part 5.0m, Table 5.2: Placed "VOID" next to the equipment description for equipment ID 588M; **8.** Part 5.0m, Table 5.4 & Part 6.0m, Table 6.1: Removed any reference to unit ID M-002; **9.** Part 5.0n, Table 5.1: Voided unit IDs N-002, N-025, N-026 & N-028; **10.** Part 5.0n, Table 5.3: Placed "VOID" next to the equipment description for equipment ID 420N; **11.** Part 5.0n, Table 5.8: Placed "VOID" next to the equipment description for equipment IDs 925H, 926H & 417N; **12.** Part 5.0n, Table 5.10 & Part 6.0n, Table 6.1: Removed any reference to unit IDs N-002, N-025, N-026 & N-028 and also deleted reference to these units in condition 6.B.5; **13.** Attachment B, Insignificant Activities (A-Area): Inserted ID 85DA (formerly unit ID A-012) into the table as exempt based on emission level.
2	9/24/2003	AA	Made the following changes: **1.** Changed A-Area Insignificant Activities list ID "747-A" to "85FA" (was typo); **2.** Changed diesel fuel usage table at end of G-Area Insignificant Activities list to reflect the 30kW generator as "701-12G" to correspond with the listing for activity 099G shown in the main table listing; **3.** Changed diesel fuel usage table at end of H-Area Insignificant Activities list to reflect the 300kW generator as "234-H" to correspond with the listing for activity 505H shown in the main table listing; **4.** Changed N-Area condition 6.B.5 to make corrections as well as remove previously voided equipment from the permit: (a) GE0026 was assigned a building ID of "SRO 1308" instead of "N/A" (b) GE0004 was assigned a building ID of "SRO 7850" not "SRO 7856" (c) GE0002, GE0006, GE0007, GE0008, GE0019, GE0027, GE0034 & GE0035 were removed from this list because they are no longer in use or on site; **5.** Removed generator 292-H from the diesel fuel usage table at the end of the H-Area Insignificant Activities list; **6.** Removed the duplicate generator listing for building ID 254-7F in the F-Area Insignificant Activities list.
2	9/24/2003	MM	Made the following changes: **1.** As they pertain to the issuance of construction permit #0080-0041-G-CT, the following was changed in G-Area of the main permit: (a) Added new unit ID G-003 to Table 5.1; (b) Changed the installation date of Equipment ID 288G in Table 5.3 to "2/2001**" and added footnote at bottom of table; (c) Removed Equipment ID 287G from Table 5.3; (d) Created new Table 5.4 to describe new equipment associated with new Unit ID G-003; (e) Renumbered Table 5.4 as Table 5.5 and changed unit ID reference from "G-001 & G-002" to "G-001 thru G-003"; (f) Added new row to Table 6.1 to reflect new monitoring associated with new Unit ID G-003; (g) Renumbered condition 6.B.5 as 6.B.8, and added new conditions 6.B.5, 6.B.6 & 6.B.7 that correspond to new Unit ID G-003 information now in Table 6.1; **2.** Removed all reference to Units N-016, N-019 & N-027, to include the following changes: (a) Placed "VOID" next to relevant Unit Descriptions in Table 5.1; (b) Placed "VOID" next to the equipment descriptions for IDs 413N & 416N in Table 5.5; (c) Placed "VOID" next to the equipment description for ID 924H in Table 5.6; (d) Changed the 3rd row of Table 5.10 and 2nd, 4th, and 6th rows Table 6.1 of the Unit ID column from the old designation of "N-003 thru N-024, N-027, N-029 & N-030" to the new designation of "N-003 thru N-015, N-017, N-018, N-020 thru N-024, N-029 & N-030"; (e) Removed rows from the diesel fuel usage table contained within condition 6.B.5, that begin with SRS IDs GE0022, GE0025 & GE0038; **3.** Removed all reference to Unit F-010 to include the following changes: (a) Placed "VOID" next to relevant Unit Description in Table 5.1; (b) Placed "VOID" next to the equipment descriptions for ID 17JF in Table 5.9; (c) Changed the 3rd row of Table 5.10 from the old designation of "F-005 & F-006, F-008 thru F-010" to the new designation of "F-005 & F-006, F-008 & F-009"; (d) Changed the 4th row of Table 6.1 of the Unit ID column from the old designation of "F-004 & F-008 thru F-010" to the new designation of "F-004, F-008 & F-009"; (e) Removed "& F-010" from the 5th row of Table 6.1 of the Unit ID column; (f) Removed row from the diesel fuel usage table contained within condition 6.B.8, that begins with SRS ID SE0023.
3	2/2/04	SM **"Non-Area" Changes**	**1.** Changed the 3rd line of the mailing address on page 1 from "Environmental Protection Department" to "Environmental Support Section"; **2.** Changed 2nd line of billing address in Part 1.0(D) from "Environmental Protection Department" to "Environmental Support Section"; **3.** Changed the wording of condition 4.B.9 as follows: (a) "Category I sources" was changed to "Potential Impact Category (PIC) 1 & 2 sources", and (b) removed from the listing of sources from this condition ALL EXCEPT the following: H-Canyon, HB Line, F-Canyon & FB Line; **4.** Changed the word "VOID" in conditions 4.B.18, 4.B.19, 4.B.20, 4.B.22 & 4.B.23 to "<Void>"; **5.** Throughout all "Area" sections of the main permit, as well as in Attachment B, changed the formatting of all appropriate tables to remove vertical merging.

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Revision Number	**Final Revision Date**	**Type of Revision**	**Description of Change (Specific Parts, Sections, and Tables Revised or Added)**
3	2/2/04	SM **A-Area Changes**	**1.** In Table 5.1, added "VOID" before the unit descriptions for Unit IDs A-002, A-003 & A-004 and also before the control device descriptions for the same Unit IDs; **2.** Removed the "**" footnote below Table 5.1, as it was no longer necessary; **3.** In table 5.2, deleted all information rows beginning the following control device IDs: (a) VOID-C012; (b) VOID-B681; (c) H273 thru H337; (d) H352; (e) H353 and H354; (f) H760 and H761; (g) H339; (h) H341; (i) H344; (j) H342 and H345; (k) H347 and H348; (l) H349, H350 and H355 thru H364; (m) H440 thru H448; (n) H449; (o) H450; (p) H455 thru H457, H464 and H465; (q) H482 thru H485; (r) H486; (s) H487 thru 489; (t) H491 thru H493, H495 and H496; (u) H662, H665 and H667; (v) H681, H683, H686 and H688; (w) H702 and H704; (x) H721; (y) H723, H725, H727, H729, H731, H733, H735, H737, and H739; (z) P027 and P037; (aa) P047 and P051; (bb) P052; (cc) P054; (dd) P104 thru P110, P115 and P116; (ee) N004; (ff) H370; (gg) H371 and H372; (hh) H373; (ii) H374; (jj) H375 and H436, and; (kk) P129 thru P148; **4.** Changed Tables 5.3, 5.4, 5.5 & 5.6 unit ID descriptions to "<Void>" and removed the respective tables below them; **5.** Added back previously removed Table 5.11 header and changed the description to "<Void>"; **6.** Renumbered Table 5.11 to Table 5.12, and removed the last line of this table which previously referenced IDs A-002 thru A-004; **7.** Removed all relevant monitoring and reporting requirements for Unit IDs A-002 thru A-004 from Table 6.1; **8.** Removed the wording of conditions 6.B.1 through 6.B.6 and replaced each condition with the word "<Void>"; **9.** Changed the word "VOID" in previous condition 6.B.13 to the word "<Void>"; **10.** Added the units previously referenced as A-002, A-003 and A-004 to the A-Area Insignificant Activities list, with their basis for exemption being "R&D."
3	2/2/04	SM **F-Area Changes**	**1.** In Table 5.1, added "VOID" before the unit descriptions for Unit ID F-001and also before the control device descriptions for the same Unit ID; **2.** In table 5.2, deleted all information rows beginning the following control device IDs: (a) H998; (b) H999; (c) P001; (d) P002; (e) P003; (f) P004; **3.** Changed Table 5.3 unit ID description to "<Void>" and removed the table below the header; **4.** Changed 1st row of Table 5.10 of the Unit ID column from "F-001 thru F-003" to "F-002 & F-003"; **5.** Changed 1st and 2nd rows of Table 6.1 of the Unit ID column from "F-001 thru F-003" to "F-002 & F-003."
3	2/2/04	SM **H-Area Changes**	**1.** In Table 5.1, added "VOID" before the unit descriptions for Unit IDs H-005, H-006, H-007, H-008, H-009 & H-013 and also before the control device descriptions for the same Unit IDs (except ID H-008, which had no control device; **2.** In table 5.2, deleted all information rows beginning the following control device IDs: (a) D026; (b) H775; (c) H776; (d) P101; (e) P102; (f) D032; (g) D044; (h) P058; (i) P059; (j) P060; **3.** Changed Tables 5.6, 5.7, 5.8, 5.9, 5.10 & 5.14 unit ID descriptions to "<Void>" and removed the respective tables below them; **4.** Changed 1st row of Table 5.20 of the Unit ID column from "H-001 thru H-002, H-005 thru H-010, H-012 & H-013" to "H-001, H-002, H-010 & H-012"; **5.** Removed the ID reference of "H-005 thru H-008" from the 2nd row of Table 5.20 of the Unit ID column; **6.** Changed 3rd row of Table 5.20 of the Unit ID column from "H-003 thru H-004, H-009, H-011 thru H-013, H-019 thru H-021" to "H-003 thru H-004, H-011, H-012, H-019 thru H-021"; **7.** Changed 1st and 3rd rows of Table 6.1 of the Unit ID column from "H-001, H-002, H-009, H-010^ & H-013" to "H-001, H-002, & H-010^"; **8.** Removed the 2nd row of Table 6.1, as H-005 thru H-008 are now VOID; **9.** Removed the 8th row of Table 6.1, as Unit ID H-009 is now VOID; **10.** Removed the row containing the performance testing requirement for Unit ID H-009 in Table 6.1, as this Unit ID is now VOID; **11.** Removed the wording of the following conditions and replaced each condition with the word "<Void>": 6.B.8, 6.B.37 & 6.B.38; **12.** Removed ID 54DH from the H-Area Insignificant Activities list; **13.** Added ID 34BH, the 242-25H RHLWE Test Cell to the Insignificant Activities list with the basis for exemption being "Emission Level"; **14.** Changed the size of ID 50FH from 7,600,000 gallons to 562 gallons.
3	2/2/04	SM **N-Area Change**	**1.** Changed Table 5.8 unit ID description to "<Void>" and removed the table below it.
3	2/2/04	SM **S-Area Changes**	**1.** In Table 5.1, added "VOID" before the HEPA Filters and the Sand Filter; **2.** In Table 5.2, deleted all information rows beginning the following control device IDs: (a) H016; (b) H965; (c) N001; **3.** In Table 5.3, removed all control device IDs for Equipment ID 270S and replaced with "N/A"; **4.** Added "* N/A=Not Applicable" just below Table 5.3; **5.** In Table 6.1, removed the rows in the table for all monitoring and reporting requirements for S-001 with the exception of the "Condenser Performance" requirement; **6.** Removed the "**" footnote below Table 6.1, as it was no longer necessary; **7.** Removed the wording of conditions 6.B.1 through 6.B.9 and replaced each condition with the word "<Void>"; **8.** Added the following IDs with accompanying descriptions to the S-Area Insignificant Activities list: 278S, 488S, 085S, 129S, 286S, 287S, 289S & 295S (all had a basis for exemption of "Emission Level").

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Revision Number	**Final Revision Date**	**Type of Revision**	**Description of Change (Specific Parts, Sections, and Tables Revised or Added)**
3	2/2/04	SM **Attachment A Changes**	Facility remodeled and, where the emission rates were higher than previously indicated, successfully continued to demonstrate compliance with Standards 2 & 8, respectively (in accordance with condition 4.B.2), thus triggering the following administrative changes were incorporated into Attachment A: **1.** The value for NOx for emission point S-DP0007 was changed from "13.600" to "23.635"; **2.** The value for Total PM for emission point S-DP0007 was changed from "0.000" to "0.002"; **3.** The value for Mercury for emission point S-DP0007 was changed from "0.0200" to "0.0168"; **4.** The value for Nitric Acid for emission point S-DP0007 was changed from "0.0603" to "0.0569"; **5.** The value for Nitric Acid for emission point S-DP0009 was changed from "0.1043" to "0.0057."
3	2/2/04	Group MM	Several MM's & AA's were grouped together affecting the following changes to the permit: **1.** In part 5.0f, Table 5.1, Unit IDs F-008 & F-009 were changed to "VOID", as they are now Insignificant Activities; **2.** Removed Table 5.9 from Part 5.0f, and changed the description in the heading of the table to "<Void>"; **3.** Removed the "**" footnote below Table 5.9 in Part 5.0f; **4.** Removed all references to Unit IDs F-008 & F-009 from Table 5.10 in Part 5.0f; **5.** Removed fuel oil usage and visible emissions requirements for units F-008 & F-009 from Table 6.1 of Part 5.0f; **6.** Removed reference to Unit IDs F-008 & F-009 from condition 6.B.8 in Part 6.0f; **7.** In Part 5.0g(D), changed the reference of Table 5.4 to Table 5.5; **8.** In Part 6.0g, condition 6.B.7, changed the referenced condition from "condition 9" to "condition 6"; **9.** In Part 5.0n, Table 5.1, changed Unit IDs N-004, N-005 & N-011 to "VOID"; **10.** Added "VOID" to the equipment descriptions of the following tables/row numbers: Table 5.3 - Row 3, Table 5.4 - Rows 1 & 7; **11.** In Table 5.10, 4th row, changed the Unit IDs referenced from "N-003 thru N-015…" to "N-003, N-006 thru N-010, N-012 thru N-015…"; **12.** In Table 6.1, Rows 2, 4 & 6, changed the Unit IDs referenced from "N-003 thru N-015…" to "N-003, N-006 thru N-010, N-012 thru N-015…"; **13.** Removed reference to Unit IDs N-004, N-005 & N-011 from condition 6.B.5 in Part 6.0n; **14.** On the A-Area Insignificant Activities list, removed ID 006A, as it has been removed from service, and added the following IDs to the bottom of the list: 04GA, 95FA, 96FA & 97FA; **15.** Removed reference to ID 006A from the A-Area Insignificant Activities fuel usage list; **16.** On the B-Area Insignificant Activities list, removed ID 107B, as it has been removed from service, and also removed reference to this ID from the fuel usage list; **17.** On the D-Area Insignificant Activities list, removed ID 181D, as it has been removed from service, and entirely removed the fuel usage table from below the list, as there are no longer any exempt diesel units in D-Area; **18.** On the F-Area Insignificant Activities list, removed IDs 166F & 311F, as they have been removed from service, and added the following IDs to the bottom of the list: 851F & 861F (formerly Unit IDs F-008 & F-009); **19.** Removed reference to IDs 166F & 311F from the F-Area Insignificant Activities fuel usage list and added references to IDs 851F & 861F; **20.** On the H-Area Insignificant Activities list, removed IDs 355H, 15EH & 14EH, as they have been removed from service, and added ID 57FH to the bottom of the list; **21.** Removed reference to IDs 355H, 15EH & 14EH from the H-Area Insignificant Activities fuel usage list and added references to ID 57FH; **22.** On the N-Area Insignificant Activities list, removed IDs 320N, 375N, 25CN & 24CN, as they have been removed from service; **23.** On the A-Area Insignificant Activities list, removed ID 64FA, as it has been removed from service; **24.** On the D-Area Insignificant Activities list, removed ID 197D, as it has been removed from service; **25.** On the F-Area Insignificant Activities list, removed IDs 08EF & 66DF, as they have been removed from service; **26.** Made the following administrative corrections as they pertain to Attachment A: a. Delete VOC emission rate for stack H-TP0001; b. Change VOC emission rate for H-TP0025 from 0.617 lb/hr to 0.827 lb/hr; c. Change stack reference for NOx from H-TP0001 to H-TP0025; d. Change stack reference for PM-10 from H-TP0001 to H-TP0025; e. Change stack reference for TSP from H-TP0001 to H-TP0025; f. Change stack reference for Nickel from H-TP0001 to H-TP0025; **27.** In Attachment B, changed source descriptions for Unit ID 849H & 871H; **28.** Consolidated motor pool sources and made changes in accordance with operational flexibility request dated 11/17/2003.

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Revision Number	**Final Revision Date**	**Type of Revision**	**Description of Change (Specific Parts, Sections, and Tables Revised or Added)**
4	8/17/04	Group MM	Part 5.0a, Table 5.1 – Void IDs A-010 & A-011 Part 5.0a, Table 5.10 – Void Equipment IDs 574A & 575A Part 5.0a, Table 5.12 – Removed all references to IDs A-010 & A-011 Part 6.0a, Table 6.1 – Removed all references to IDs A-010 & A-011 Part 6.0a, Condition 12 – Removed condition and listed <Void> Part 5.0b, Table 5.1 – Void IDs B-004 & B-005 Part 5.0b, Table 5.3 – Void Equipment IDs 114B & 115B Part 5.0b, Table 5.4 – Removed all references to IDs B-004 & B-005 Part 5.0b, Condition 3 – Removed condition and listed <Void> Part 6.0b, Table 6.1 – Removed all references to IDs B-004 & B-005 NSPS Kb requirement. Part 6.0b, Condition 2 – Removed condition and listed <Void> Part 6.0c, Condition 2 – Changed the approved method in determining the VOC emissions in unit C-001 to a Modified Method 18. Part 5.0f, Table 5.1 – Void IDs F-004, F-005, & F-006 Part 5.0f, Table 5.6 Void equipment ID 911F Part 5.0f, Table 5.7 – Void equipment IDs 801F & 811F Part 5.0f, Table 5.10 – Removed all references to IDs F-004, F-005, & F-006 Part 5.0f, Condition 2 – Removed condition and listed <Void> Part 6.0f, Table 6.1 – Removed all references to IDs F-004, F-005, & F-006 Part 6.0f, Conditions 7 & 8 – Removed conditions and listed <Void> Part 5.0g, Table 5.1 – Void ID G-001 Part 5.0g, Table 5.2 – Void equipment ID 169G Part 5.0g, Table 5.5 – Removed all references to ID G-001 Part 6.0g, Table 6.1 – Removed all references to ID G-001 Part 6.0g, Condition 1 – Removed condition and listed <reserve> Part 6.0g, Conditions 3 & 6 – Changed the approved method in determining the VOC emissions in unit G-002 & G-003 to a Modified Method 18. Part 5.0h, Table 5.1 – Void IDs H-003, H-004, H-011, H-012, H-014, & H-021 Part 5.0h, Table 5.2 – Void control device P055 Part 5.0h, Table 5.5 – Void equipment IDs 86EH & 88EH Part 5.0h, Table 5.12 – Void equipment ID 87DH Part 5.0h Table 5.13 – Void equipment IDs 72DH, 73DH, 74DH, & 75DH Part 5.0h, Table 5.15 – Void equipment ID 618H Part 5.0h, Table 5.19 – Void equipment ID 56FH Part 5.0h, Table 5.20 – Removed all references to IDs H-003, H-004, H-011, H-012, H-014, & H-021 Part 6.0h, Table 6.1 – Removed all references to IDs H-003, H-004, H-011, H-012, H-014, & H-021 Part 6.0h Conditions 7 – Removed condition and listed <Void> Part 5.0k Table 5.1 – Void IDs K-003 & K-004 Part 5.0k, Table 5.2 – Void Equipment IDs 238K & 239K Part 5.0k, Table 5.3 – Removed all references to IDs K-003 & K-004 Part 5.0k, Condition 3 – Removed condition and listed <Void> Part 6.0k, Table 6. 1 – Removed all references to IDs K-003 & K-004 Part 6.0k, Condition 2 – Removed condition and listed <Void> Part 5.0m, Table 5.1 – Void IDs. M-001 & M-004 Part 5.0m, Table 5.2 – Void Equipment IDs 587M & 590M Part 5.0m, Table 5.3 – Added Equipment IDs 611M & 612M Part 5.0m, Table 5.4 – Removed all references to IDs M-001 & M-004 Part 6.0m, Table 6.1 – Removed all references to IDs M-001 & M-004 Part 6.0m, Condition 1 – Removed IDs M-001 & M-004 from the condition requirements Part 6.0m, Conditions 2 & 5 – Changed the approved method in determining the VOC emissions in unit M-003, M-005, M-006, & M-007 to a Modified Method. Attachment B (A Area) – Void the following IDs: 160A, 161A, 162A, & 76FA and added 574A & 574B along with their respective fuel usage limit. Attachment B (B Area) – Added equipment IDs 114B & 115B Attachment B (F Area) – Added equipment IDs 801F, 811F, & 911F (along with 911F'sr respective fuel usage limit) Attachment B (G Area) – Void the following IDs: 094G, 103G, 088G, & 308G and added 169G along with it's respective fuel usage limit Attachment B (H Area) – Added equipment IDs 86EH, 88EH, 87DH, 72DH, 73DH, 74DH, 75DH, 618H, & 56FH (along with their respective fuel usage limit) Attachment B (K Area) – Added equipment IDs 238K & 239K
4	8/17/04	AA	Part 6.0a, Condition 11 – Removed condition since it is no longer applicable to any IDs listed in A Area Part 5.0l, Table 5.3 – Correct typographical error listing control device as N/A instead of D068 & P128 Part 6.0n, Table 6.1 – Correct typographical error on condition sited from 6.B.4 to 6.B.3 Attachment A – Updated modeled emission rates Attachment B – Correct typographical error on ID 150H from 245-H to 211-H

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5	11/17/04	Group MM	Part 5.0c, Table 5.1 – Void ID C-001 Table 5.2 – Void equipment ID 224C Table 5.3 - Removed all references to ID C-001 Condition 1 – Removed condition and listed <Void> Part 5.0f, Table 5.5 – Void equipment IDs 02EF, 04FE, 07, EF, 38GF, 05, EF, 06EF, & 03EF Part 5.0g, Table 5.1 – Void IDs G-002 & G-003 and add G-004 Table 5.3 – Void equipment 288G & 289G Table 5.4 – Void equipment 312G Table 5.5 – Add ID G-004 & associated equipment Table 5.6 – Renamed table number, removed all references to IDs G-002 & G-003, and added G-004. Condition 1 – Removed all references to IDs G-002 & G-003, and added G-004 Part 5.0l, Tables 5.1, 5.2, & 5.3 – Void IDs L-001, D068, P128, & 193L Table 5.4 – Remove emission limitations to Unit ID L-001 and corresponding conditions Part 5.0m, Table 5.1 – Void ID M-003 Table 5.2 – Void equipment ID 589M Table 5.4 – Remove emission limitations to Unit ID M-003 and corresponding conditions Part 6.0c, Table 6.1 – Removed all references to ID C-001 Conditions – Removed conditions and listed <reserve> Part 6.0g, Table 6.1 – Removed all references to IDs G-002 & G-003, and added G-004's monitoring and reporting Conditions – Removed all conditions that applied to IDs G-002 & G-003 (2-8), and added G-004's conditions (1-6) Part 6.0l, Table 6.1 – Remove monitoring and reporting requirements for Unit ID L-001 and corresponding conditions Part 6.0m, Table 6.1 – Remove monitoring and reporting requirements for Unit ID M-003 and corresponding conditions Attachment B (A Area) – Add 781-A Engineered Equipment & Systems Building Laboratory Attachment B (A Area) – Void IDs 775A, 033A, 72FA, 73FA, & 85DA Attachment B (F Area) – Void IDs 422F, 165F, 87FF, 62EF, 67CF, & 52DF Attachment B (H Area) – Void equipment IDs 68DH, 67DH, 80DH, 81DH, 82DH, 26AH, 241H, 612H, 457H, 624H, 18DH, & 274H Attachment B (N Area) – Void equipment IDs 091N, 321N, 262N, 270N, 369N, 236S, 527N, 528N, 529N, 530N, 532N, 533N, 520N, 56CN, 60CN, 91BN, 477N, 478N, 507N, 98BN, 04CN, 05CN, 06CN, 11CN, 98CN, 283N, 286N, 292N, 291N, 493N, 95CN, 298N, 300N, 974N, 91CN, 437N, 295N, 203N, & 369N Attachment B (S Area) – Void IDs 221S & 262S
5	11/17/04	AA	Attachment B (E Area) – Changed ID 150E to 152E (F Area) – Remove IDs 80FF & 79FF (tanks do not exists) and changed IDs 851F to 85IF and 861F to 86IF (G Area) – Changed ID 145G to 245G (H Area) – Changed IDs 04AH (619-H Underground Diesel Fuel Tank) to 61EH (619-H Emergency Diesel Tank) & 512H to 79DH (N Area) – Changed IDs SH014 to SH14 & one of the 525Ns to 524N (S Area) – Removed ID 129S (221-S Vitrification Process Formic Acid Solution Tank) listed twice & changed 259S to Chamber #1 & #2.
6	12/16/04	AA	Condition g6.B.1 & g6.B.2 were updated to match c/p G-CU-R1. Condition g6.B.3 was changed so the facility will not have to send in the same approved sampling protocol each time a unit goes on line
7	3/1/05	MM	Part 1.0 – Environmental Contact change. Part 5.0f – Void the following equipment: 66AF, 84CF, 82CF, 81CF, 74CF, 43CF, 42CF, 41CF, 80CF, 83GF, 84GF, 85GF, & 86GF. Attachment B (H Area) – Add a portable 200-H Emergency Diesel Generator #2 (900 kW & < 250 hr/yr) [12GH] with a fuel limit of 16,900 gallons. Attachment B – (F Area) – Void the following equipment: 08CF, 09CF, 51EF, 573F, 63EF, 65CF, 66CF, 67EF, 69EF, 744F, 745F, 746F, & 908F.
8.	11/22/05	SM	Condition 4.B.25 From: … To ensure compliance with the annual consumption limit specified below, SRS must refuel each unit at least once per calendar year during the last quarter of each year. Fuel oil sulfur content for these fuels shall be less than or equal to 0.5% percent by weight. Acceptable fuel oil certification can be ensured by following Department guidance entitled "Guidance for Fuel Oil Certifications" issued on May 19, 2000 and … To: ... To ensure compliance with the annual consumption limit specified below, SRS must refuel each unit at least once during the annual permit reporting year, or for those units with infrequent or minimal annual operations, the unit must be refueled when the tank level decreases to below 75%, as determined from an appropriate measurement device, e.g., installed tank level gauge, sight glass, float gauge, or an incremented dip stick. For any unit whose tank level did not decrease below 75% and was not refueled during any given 12 month running reporting period, the facility operator must report the approximate tank level in percent (75% to 100%) biannually in September and March. Fuel oil sulfur content for these fuels shall be less than or equal to 0.5% percent by weight. Acceptable fuel oil certification can be ensured by following Department guidance entitled "Guidance for Fuel Oil Certifications" issued on August 12, 2004 and …

RECORD OF REVISIONS			
Revision Number	**Final Revision Date**	**Type of Revision**	**Description of Change (Specific Parts, Sections, and Tables Revised or Added)**
8.	11/22/05	MM	F-Area Voided out Unit F-007 from Tables 5.1, 5.8 & 5.10 (Equipment 87GF-Nitric Acid storage Tank 35) G-Area Void out Insignificant Activity 053G, 701-6G Diesel Generator Add Insignificant Activity 327G, 701-20G Emergency Diesel Generator Add installation date to equipment ID 312G. H-Area Add Insignificant Activity 58FH, 254-21H Diesel Fuel Tank N-Area Table 5.1 – Voided out all IDs except ID N-001 & N-020 and added N-031 Voided out all equipment in Tables 5.3, 5.4, 5.5, 5.7, & 5.9 and added Table 5.10 Updated Table 6.1 to Reflect the Changes in N-Area Listed Above Add Attachment D to list out the Diesel Equipment. Updated Condition N6.B.5
8	11/22/05	AA	Updated condition 4.B.5.
8.	11/22/05	AA	Updated Contact Information /Billing Information Removed VOID from Attachment B Insignificant Activity "786-A Chemical Processing Room Walk-In Chemical Hood" – DHEC ID 72FA. Removed VOID from Attachment B Insignificant Activity "786-A Chemical Processing Room Chemical Hood" – DHEC ID 73FA Changed Attachment B DHEC ID 781-A for Engineered Equipment & Systems Building & Laboratory to 27GA. (Two ID 781As currently exist in error) Changed Attachment B DHEC ID 849H for "234-7H Metallography Hood" to 10GH Changed Attachment B DHEC ID 871H for "234-7H Cutting Hood" to 11GH Deleted one of the VOID DHEC ID 369N in Attachment B Updated Attachment A Rates for the DUS Facility.
8.	11/22/05	MM	VOIDED from Area F - EU F-002 (Table 5.4): 83CF, 48CF, 47CF, 46CF, 45CF, 99CF, 68CF, 76CF VOIDED from Attachment B – Area A Insignificant Activities: 700A VOIDED from Attachment B – Area C Insignificant Activities: 223C, 214C, 218C, 219C, 221C, 222C, 226C VOIDED from Attachment B – Area F Insignificant Activities: 55HF, 56HF, 57HF, 58HF, 68EF, 86FF VOIDED from Attachment B – Area H Insignificant Activities: 27AH, 69DH, 70BH VOIDED from Attachment B – Area M Insignificant Activities: 307M
9.	4/19/06	AA	Name Change
9.	4/19/06	MM	Updated Attachment B for N-Area: Portable Diesel Equipment Updated Attachment B for A-Area: VOIDED 54FA, 55FA, 56FA, 57FA, 58FA, 59FA, 60FA, 61FA 62Fa, 63FA Updated Attachment B for A-Area: Added 39GA Updated Attachment B for F-Area: VOIDED 379F, 380F Updated Table 5.5 G-Area: Added CMP Stripper to Emission Unit G-004 & Condition g6.B.2 Updated Attachment B for L-Area: VOIDED 118L
10.	10/17/06	MM	A-Area – Voided EU A-009 & Associated References & Conditions G-Area – Updated Installation Date for 321G in Table 5.5 – EU G-004, Voided Insignificant Activity 049G from G-Area Attachment B, Added Insignificant Activity 234G to G-Area Attachment B H-Area - Voided EU H-010 & Associated References & Conditions, Voided Insignificant Activities 84DH, 85DH, 86DH, 87DH, 88DH, 89DH, 90DH, 909H and 910H from H-Area Attachment B K-Area – Added Insignificant Activity 291K to K-Area Attachment B N-Area – Voided 53DN from EU N-031 List (Attachment D) Z-Area – Updated Table 5.1 – EU – Z-001 & Moved 052Z & Associated Baghouse B011 from Insignificant Activities List to Emission Unit Equipment, Ungrouped Insignificant Activities 089Z, 091Z, 092Z, and 093Z in Z-Area Attachment B

RECORD OF REVISIONS			
Revision Number	**Final Revision Date**	**Type of Revision**	**Description of Change (Specific Parts, Sections, and Tables Revised or Added)**
11.	1/8/07	MM	Updated Table 5.1 from F-Area: VOIDED Control Device N006 from EU F-002; VOIDED EU F-003 and Control Device IDs H709, H710, H783 and N006 VOIDED from Table 5.2 F-Area: Control Device IDs N006, H709, H710, H783 VOIDED from Table 5.4 F-Area EU F-002: Equipment IDs 44CF, 78CF, and 75CF VOIDED Table 5.5 F-Area EU-F-003 Updated Part 5.0f, Section D, Table 5.10: Removed reference to Unit ID F-003 Updated Part 6.0f, Section A, Table 6.1: Removed reference to Unit ID F-003 Updated Part 6.0f, Section B: Corrected typographical errors in condition numbers, changed from f5.E.1 through f5.E.9 to f6.B.1 through f6.B.9 Updated Part 5.0 and 6.0 L-Area: Corrected typographical errors in section numbers, changed from 5.0e and 6.0e to 5.0l and 6.0l to reflect proper area designation VOIDED from Attachment B – F-Area Insignificant Activities: ID 743F VOIDED from Attachment D – N-Area Mobile Diesel Equipment Pool: Equipment ID 412N and Equipment ID 2130
12	9/4/07	Group MM	VOIDED from Attachment B – N-Area Insignificant Activities: ID 105N Removed from Attachment B – A-Area Insignificant Activities: ID 39GA Relocated ID 39AG from Attachment B to Attachment D.
12	9/4/07	AA	Condition 4.B.26 – Changed the reporting address to the Division Director of Air Toxics, Emissions Inventory and Modeling. Condition f6.B.9 – Changed the reporting address to the Division Director of Air Toxics, Emissions Inventory and Modeling. Condition h6.B.36 – Changed the reporting address to the Division Director of Air Toxics, Emissions Inventory and Modeling.
13	12/11/07	Group MM	VOIDED from Table 5.1 N-Area: Unit ID N-020 VOIDED Table 5.6, N-Area Updated Part 5.0n, Section D, Table 5.11 – Removed references to Unit ID N-020 Condition n5.E.2 – Removed reference to Unit ID N-020 Updated Part 6.0n, Section A, Table 6.1 – Removed references to Unit ID N-020 Condition n6.B.2 – Voided condition as equipment as been removed Condition n6.B.5 – Removed reference to GE0026 (which is Unit ID N-020) VOIDED from Attachment B – D-Area Insignificant Activities: ID 089D VOIDED from Attachment B – F-Area Insignificant Activities: ID 394F

AA = Administrative Amendment **MM** = Minor Modification **SM** = Significant Modification

Send copies of revisions to Permit File, Main File, Regional EQC Office, US EPA & Facility Contact.

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*** AREA-SPECIFIC**

PART 1.0 GENERAL INFORMATION

A. APPLICABLE PERMIT DATES

ISSUE DATE	: February 19, 2003
EFFECTIVE DATE	: April 1, 2003
EXPIRATION DATE	: March 31, 2008
RENEWAL APPLICATION DUE	: September 30, 2007

B. FACILITY INFORMATION

ENVIRONMENTAL CONTACT	: Mr. P. C. Carroll
CONTACT TELEPHONE NUMBER	: (803) 952-9347
INTERNET E-MAIL ADDRESS	: paul.carroll@srs.gov
FACILITY LOCATION	: SC Highway 19, about 20 miles South of Aiken
COUNTY	: Aiken, Barnwell, and Allendale
SIC CODE(S)	: 2819
AFS CODE	: 4500300041

C. FACILITY ADDRESS

FACILITY NAME	: Savannah River Site c/o Mr. P.C. Carroll
ADDRESS	: Building 735-B
CITY, STATE, ZIP	: Aiken, SC 29808-0001

D. FACILITY BILLING ADDRESS

FACILITY BILLING NAME	: Washington Savannah River Company, LLC Environmental Permitting and Monitoring Environmental Services Section c/o Mr. P. C. Carroll
ADDRESS	: Building 735-B
CITY, STATE, ZIP	: Aiken, SC 29808-0001

PART 2.0 APPLICABILITY [SC Regulation 61-62.70.3(a)]

The following sources are subject to permitting requirements of Part 70:

1. Any major source;

2. Any source, including an area source, subject to a standard, limitation, or other requirement under Section 111 of the Clean Air Act (Act);

3. Any source, including an area source, subject to a standard or other requirement under Section 112 of the Act, except that a source is not required to obtain a permit solely because it is subject to regulations or requirements under 112(r) of the Act;

4. Any affected source under the Title IV Acid Rain Program;

5. Any source in a source category designated by the Administrator of the U. S. Environmental Protection Agency (US EPA)(Administrator) pursuant to this Section; and

6. Any source listed in SC Regulation 61-62.70.3(a) that is exempt from the requirement to obtain a permit under SC Regulation 61-62.70.3(b) may opt to apply for a permit under this Part 70 program.

The following source categories are exempted from the obligation to obtain a Part 70 permit, but are not exempted from other SC Department of Health and Environmental Control (Department) and US EPA requirements [SC Regulation 61-62.70.3(b)(4)]:

1. All sources and source categories that would be required to obtain a permit solely because they are subject to 40 CFR 60, Subpart AAA - Standards of Performance for New Residential Wood Heaters; and

2. All sources and source categories that would be required to obtain a permit solely because they are subject to 40 CFR 61, Subpart M - National Emission Standard for Hazardous Air Pollutants for Asbestos, Section 61.145, Standard for Demolition and Renovation.

Any person that operates or proposes to operate a particular source or installation may submit a request in writing that the Department make a determination as to whether a particular source or installation is subject to the permit requirements of this regulation. The request must contain such information as is believed sufficient for the Department to make the requested determination. [SC Regulation 61-62.70.3(e)]

PART 3.0 GENERAL CONDITIONS

This section describes conditions and provisions applicable to all Part 70 sources. Specific source category conditions and requirements are contained in Section 5.0 of this permit.

A. PERMIT ISSUANCE [SC Regulation 61-62.70.7(a)(1)]

A permit, permit modification, or renewal may be issued only if the following conditions have been met:

1. The Department has received a complete application for a permit, permit modification, or permit renewal;

2. Except for modifications qualifying for minor permit modification procedures under SC Regulation 61-62.70.7(e)(2) and (3), the Department has complied with the requirements for public participation under SC Regulation 61-62.70.7(h);

3. The Department has complied with the requirements for notifying and responding to affected States under SC Regulation 61-62.70.8(b);

4. The conditions of the permit provide for compliance with all applicable requirements and the requirements of Part 70; and

5. The Administrator has received a copy of the proposed permit and any notices required under SC Regulation 61-62.70.8(a) and (b), and has not objected to issuance of the permit under SC Regulation 61-62.70.8(c) within the required time frame.

A Title V operating permit does not excuse any facility from the preconstruction permitting requirements under SC Regulation 61-62.1.

B. PERMIT EXPIRATION AND RENEWAL [SC Regulation 61-62.70.7(c)] (Revised 11/13/98)

Permit expiration terminates the source's right to operate unless a timely and complete renewal application has been submitted consistent with SC Regulation 61-62.70.5(a)(1)(iii), 61-62.70.5(a)(2)(iv), and 61-62.70.7(b). In this case, the permit shall not expire until the renewal permit has been issued or denied. All terms and conditions of the permit including any permit shield that may be granted pursuant to SC Regulation 61-62.70.6(f) shall remain in effect until the renewal permit has been issued or denied. Permits being renewed are subject to the same procedural requirements, including those for public participation, affected State and US EPA review, that apply to initial permit issuance.

C. SEVERABILITY [SC Regulation 61-62.70.6(a)(5)]

The provisions of this permit are severable, and if any provision of this permit, or application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit shall not be affected thereby.

D. FEE ASSESSMENT AND PAYMENT [SC Regulation 61-62.70.6(a)(7)]

The owners or operators of Part 70 sources shall pay fees to the Department consistent with the fee schedule approved pursuant to SC Regulation 61-62.70.9.

E. SUBMITTAL OF INFORMATION [SC Regulation 61-62.70.6(a)(6)(v)]

The permittee shall furnish to the Department, within a reasonable time, any information that the Department may request, in writing, to determine whether cause exists for modifying, revoking, reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Department copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality. The Department may also request that the permittee furnish such records directly to the Administrator along with a claim of confidentiality.

F. PUBLIC PARTICIPATION [SC Regulation 61-62.70.7(h)]

Except for modifications qualifying for minor permit modification procedures, all permit proceedings, including initial permit issuance, significant modifications, and renewals, shall provide adequate procedures for public notice including offering an opportunity for public comment and hearing on the draft permit. These procedures shall meet all requirements of SC Regulation 61-62.70.7(h).

G. PERMIT REOPENING [SC Regulation 61-62.70.7(f)]

This permit shall be reopened and revised under any of the following circumstances:

1. Additional applicable requirements under the Act become applicable to a major Part 70 source for which three or more years remain on the original term of the permit. Such revisions shall be made not later than eighteen (18) months following promulgation of relevant standards or regulations. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended pursuant to SC Regulation 61-62.70.7(c)(1)(ii).

2. Additional requirements, including excess emission requirements, become applicable to an affected source under the acid rain program. Excess emissions offset plans shall be deemed to be incorporated into this permit upon approval by the Administrator.

3. The Department or EPA determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.

4. The Administrator or the Department determines that the permit must be revised or revoked to assure compliance with the applicable requirements.

In addition, the permit may be modified, revoked, reopened, and reissued, or terminated for cause by the Department. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [SC Regulation 61-62.70.6(a)(6)(iii)]

Proceedings to reopen and issue a permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of the permit for which cause to reopen exists. Such reopenings shall be as expeditious as practicable. Reopenings shall not be initiated before a notice of such intent is provided to the Part 70 source by the Department at least thirty (30) days in advance of the date that the permit is to be reopened, except that the Department may provide a shorter time period in the case of an emergency.

H. TEMPORARY SOURCES [SC Regulation 61-62.70.6(e)]

In accordance with SC Regulation 61-62.70.6(e), the Department may issue a single permit authorizing emissions from similar operations by the same source owner or operator at multiple temporary locations. The operation must be temporary and involve at least one change in location during the term of the permit. No sources subject to Title IV of the Act shall be permitted as a temporary source.

I. EMERGENCY PROVISIONS [SC Regulation 61-62.70.6(g)(3)]

In the case of an emergency, as defined in SC Regulation 61-62.70.6(g), the permittee shall verify an affirmative defense of emergency through properly signed, contemporaneous operating logs, or other relevant evidence that:

1. An emergency occurred and that the permittee can identify the cause(s) of the emergency;

2. The permitted facility was at the time being properly operated;

3. During the period of the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and,

4. The permittee shall submit verbal notification of the emergency to the Department within twenty-four (24) hours of the time when emission limitations were exceeded, followed by written notifications within thirty (30) days. This notice fulfills the requirement of SC Regulation 61-62.70.6(a)(3)(iii)(B). This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

This provision is in addition to any emergency or upset provision contained in any applicable requirement. In any enforcement proceeding, the permittee seeking to establish the occurrence of an emergency has the burden of proof.

J. PROPERTY RIGHTS [SC Regulation 61-62.70.6(a)(6)(iv)]

This permit does not convey any property rights of any sort, or any exclusive privilege.

K. ECONOMIC INCENTIVES, MARKETABLE PERMITS, EMISSION TRADING [SC Regulation 61-62.70.6(a)(8)]

No permit revision shall be required, under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit.

L. TITLE IV SOURCES [SC Regulation 61-62.70.6(a)(4)]

The permittee is prohibited from emissions exceeding any allowances that the source lawfully holds under Title IV of the Act or the regulations promulgated thereunder. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program, provided that such increases do not require a permit revision under any other applicable requirement. No limit shall be placed on the number of allowances held by a source. The source may not, however, use allowances as a defense for noncompliance with any other applicable requirement. Any such allowances shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Act.

Where an applicable requirement of the Act is more stringent than an applicable requirement of regulations promulgated under Title IV of the Act, both provisions shall be incorporated into the permit and shall be enforceable by the Administrator. [SC Regulation 61-62.70.6(a)(1)(ii)]

M. ADMINISTRATIVE PERMIT AMENDMENTS [SC Regulation 61-62.70.7(d)(3)]

An administrative permit amendment as defined in SC Regulation 61-62.70.7(d) can be made by the Department consistent with the following:

1. The Department shall take no more than sixty (60) days from receipt of a request for an administrative permit amendment to take final action on such request, and may incorporate such changes without providing notice to the public or affected States provided that it designates any such permit revisions as having been made pursuant to this paragraph.

2. The Department shall submit a copy of the revised permit to the Administrator.

3. The source may implement the changes addressed in the request for an administrative amendment immediately upon submittal of the request, except transfer/ownership, which must comply with SC Regulation 61-62.1, Section II(E).

N. MINOR PERMIT MODIFICATIONS [SC Regulation 61-62.70.7(e)(2)]

Minor permit modifications can be made by the Department in accordance with SC Regulation 61-62.70.7(e)(2)(I). An application requesting the use of minor permit modification procedures shall meet the requirements of SC Regulation 61-62.70.5(c) and shall include items as specified in SC Regulation 61-62.70.7(e)(2)(ii).

The Department may modify the procedure outlined in SC Regulation 61-62.70.7(e)(2) to process groups of a source's applications for certain modifications eligible for minor permit modification processing. Group processing of minor permit applications will proceed as outlined in SC Regulation 61-62.70.7(e)(3).

O. SIGNIFICANT MODIFICATION PROCEDURES [SC Regulation 61-62.70.7(e)(4)]

Significant permit modification procedures shall be used for applications requesting permit modifications listed in SC Regulation 61-62.70.7(e)(4)(I). Significant permit modifications shall meet all requirements of this Part 70, including those for applications, public participation, review by affected States, and review by EPA, as they apply to permit issuance and permit renewal.

P. DUTY TO COMPLY [SC Regulation 61-62.70.6(a)(6)(I)]

The permittee must comply with all of the conditions of this permit. Any permit noncompliance constitutes a violation of the SC Pollution Control Act and/or the Federal Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification;

or for denial of permit renewal application.

Q. INSPECTION AND ENTRY [SC Regulation 61-62.70.6(c)(2)]

Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Department or an authorized representative to perform the following:

1. Enter upon the permittee's premises where a Part 70 source is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit.

2. Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit.

3. Inspect any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.

4. As authorized by the Act and/or the SC Pollution Control Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

R. COMPLIANCE REQUIREMENTS [SC Regulation 61-62.70.6(c)(5)] (Revised 01/27/99)

Consistent with SC Regulation 61-62.70.6(a)(3), this permit contains compliance certification, testing, monitoring, reporting, and record keeping requirements sufficient to assure compliance with the terms and conditions of this permit. Any document (including reports) shall contain a certification by a responsible official or designee that meets the requirements of SC Regulation 61-62.70.5(d).

The responsible official or designee shall certify, annually, compliance with the conditions of this permit. The compliance certification shall include the following:

1. The identification of each term or condition of the permit that is the basis of the certification.

2. The identification of the method(s) or other means used for determining the compliance status with each term and condition during the certification period, and whether such methods or other means provide continuous or intermittent data.

3. The status of compliance with the terms and conditions of the permit for the period covered by the certification.

4. Such other facts as the Department may require to determine the compliance status of the source.

5. All compliance certifications shall be submitted to the Administrator as well as to the Department.

The annual compliance certification shall be sent to the Environmental Protection Agency (EPA) and the South Carolina Department of Health and Environmental Control - Bureau of Air Quality (SC DHEC - BAQ) at the following addresses:

US EPA, Region 4
Air Enforcement Branch
61 Forsyth Street
Atlanta, GA 30303

SC DHEC - BAQ
Technical Management Section
2600 Bull Street
Columbia, SC 29201

S. SCHEDULE OF COMPLIANCE [SC Regulation 61-62.70.5(c)(8)] (Revised 11/13/98)

The permittee shall submit a compliance schedule that contains the following for all Part 70 sources:

1. A description of the source's compliance status and where appropriate a compliance schedule with respect to all applicable requirements as follows:

   (a) For applicable requirements with which the source is in compliance, a statement that during the permit term the source will continue to comply with such requirements.

   (b) For applicable requirements that will become effective during the permit term, a statement that the source will meet such requirements on a timely basis, unless a more detailed schedule is expressly required by the applicable requirement.

   (c) A schedule of compliance for sources that are not in compliance with all applicable requirements at the time of permit issuance. This schedule shall include a narrative description of how the source will achieve compliance, a schedule of remedial measures, including an enforceable sequence of actions with milestones, leading to compliance with all applicable requirements. This compliance schedule shall be at least as stringent as that contained in any judicial consent decree or administrative order to which the source is subject. Any such schedule of compliance shall be supplemental to, and shall not sanction noncompliance with, the applicable requirements on which it is based.

2. A schedule for submission of certified progress reports no less frequently than every

six (6) months for sources required to have a schedule of compliance to remedy a violation. Progress reports shall meet the requirements of SC Regulation 61-62.70.6(c)(4)(I) and (ii).

3. The compliance plan content requirements specified in this paragraph shall apply and be included in the acid rain portion of a compliance plan for an affected source, except as specifically superseded by regulations promulgated under Title IV of the act with regard to the schedule and method(s) the source will use to achieve compliance with acid rain emissions limitations.

T. NEED TO HALT OR REDUCE ACTIVITY NOT A DEFENSE
[SC Regulation 61-62.70.6(a)(6)(ii)]

It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

U. OPERATIONAL FLEXIBILITY [SC Regulation 61-62.70.7(e)(5)]

In accordance with SC Regulation 61-62.70.7(e)(5), a permitted facility is authorized to make changes within their facility without requiring a permit revision, if the changes are not modifications under Title I of the Act and the changes do not exceed the emissions allowable under this permit. The permitted facility shall provide the Administrator and the Department written notification as required by SC Regulation 61-62.70.7(e)(5) at least seven (7) days prior to such changes.

PART 4.0 FACILITY WIDE REQUIREMENTS

A. EMISSIONS LIMITS AND STANDARDS

Table 4.1 contains summaries of facility wide emission limits and standards.

TABLE 4.1 EMISSION LIMITS AND STANDARDS

Pollutant	Limit/Standard	Regulation	State Only Requirement	Condition Number
State New Source Review	As Specified in Attachment A	SC Regulation 61-62.1, Section II(A)	Yes	4.B.2 4.B.3
Toxic Air Pollutants	As Specified in Attachment A	SC Regulation 61-62.5, Std No. 8	Yes	4.B.3
Hazardous Air Pollution	Comply with Regulation	SC Regulation 61-62.4	No	N/A
Open Burning	Comply With Regulation	SC Regulation 61-62.2	No	N/A
Fugitive Emissions	Comply With Regulation	SC Regulation 61-62.6, Sec III	No	N/A
Ozone Depleting Substances	*	40 CFR Part 82, Subparts B through H	No	4.B.6
Asbestos	*	40 CFR Part 61.145	No	4.B.8
Radionuclides	10 mrem/year	40 CFR 61 Subpart H	No	4.B.9 to 4.B.14
Monitoring Parameter Operating Ranges	As Specified in Condition	SC Regulation 61-62.70.6(a)(3)	No	4.B.17 thru 4.B.24
Diesel Fuel Usage	As specified	N/A	No	4.B.25

N/A = Not Applicable
* Specific To Subpart

The maximum allowable emission limits above are derived from the various Federal and State regulations that govern the operation of this type of facility. All applicable facility wide emission limits and corresponding regulations are listed above. Additional operating requirements which may be more stringent than those above are contained in Part 5.0, Part 6.0, and Part 7.0 of this permit.

B. FACILITY WIDE CONDITIONS (Revised 11/13/98 & 7/3/03)

Condition Num.	Conditions
4.B.1	In accordance with SC Regulation 61-62.1, Section II, the permittee must comply with all applicable statutes and regulations of the United States and the State of South Carolina. This permit does not relieve the permittee from compliance with applicable local laws, ordinances, and regulations.

Condition Num.	Conditions
4.B.2	Air dispersion modeling (or other method) has demonstrated that this facility's operation will not interfere with the attainment and maintenance of any state or federal standard. Any changes in the parameters used in the air dispersion modeling may require a review by the facility to determine continuing compliance with these standards. These potential changes include any decrease in stack height, decrease in stack velocity, increase in stack diameter, decrease in stack exit temperature, increase in building height or building additions, increase in emission rates, decrease in distance between stack and property line, changes in vertical stack orientation, and installation of a rain cap that impedes vertical flow. Parameters that are not required in the determination will not invalidate the demonstration if they are modified. The emission rates used in the determination are listed in Attachment A of this permit. Higher emission rates may be administratively incorporated into Attachment A of this permit provided a demonstration using these higher emission rates shows the attainment and maintenance of any state or federal standard or with any other applicable requirement. Variations from the input parameters in the demonstration shall not constitute a violation unless the maximum allowable ambient concentrations identified in the standard are exceeded.
4.B.3	The owner/operator shall maintain this facility in compliance with the pollutant limitations in Part 4, Part 5, Part 6, Part 7, and/or the emission rates as listed in Attachment A of this Part 70 operating permit, whichever is more restrictive. Attachment A is a State Only enforceable requirement. Should the facility wish to increase the emission rates listed in Attachment A, it may do so by the administrative process specified in condition 4.B.2.
4.B.4	A list of equipment which is considered insignificant pursuant to SC Regulation 61-62.70.5(c) has been submitted with the Title V application and reviewed by Bureau of Air Quality (BAQ) staff. The list, including source descriptions and citation for exemption, is summarized in Attachment B of the permit. Attachment B excludes those activities identified in Part A of the insignificant activities list. Written notification to the Bureau of Air Quality is required for the addition of any new equipment which may meet the definition of insignificant or exempt as described above, excluding those sources listed in Part A of the insignificant activities list. (Revised 11/13/98)
4.B.5	The owners or operators of Part 70 sources shall complete and submit emissions inventories as required consistent with the schedule approved pursuant to SC Regulation 61-62.1, Section III. This requirement notwithstanding, an emissions inventory may be required at any time in order to determine the compliance status of any facility.
4.B.6	The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart B, Protection of Stratospheric Ozone, Recycling and Emissions Reduction, except as provided for motor vehicle air conditioners (MVACs) in Subpart B. If the permittee performs a service on motor (fleet) vehicles that involves ozone-depleting substance refrigerant in MVACs, the permittee is subject to all applicable requirements of 40 CFR Part 82, Subpart B, Servicing of MVACs. The permittee shall also comply with the requirements for labeling of products and containers pursuant to 40 CFR 82, Subpart E. The labeling of products Using Ozone Depleting Substances (ODS) with the requirements for substitute ODS products which have been approved for specified end uses as provided in 40CFR 82, subpart G. The significant New Alternatives Policy (SNAP) program and with the requirements of recycling and emissions reduction pursuant to 40 CFR 82, Subpart H, Halon emissions reduction.

Condition Num.	Conditions
4.B.7	In accordance with SC Regulation 61-62.1 Section II, (C)(3), for all sources not required to have continuous emissions monitors, in the event of any malfunction of air pollution control equipment or system, process upset or other equipment failure which results in discharges of air contaminants lasting for one hour or more and which are greater than those discharges described for normal operation in the permit application shall be reported to the local Environmental Quality Control (EQC) Regional office within twenty-four (24) hours after the beginning of the occurrence. The permittee shall also submit a written report within thirty (30) days of the occurrence. This report shall be submitted to the address specified in 4.B.15. The report shall contain as a minimum, the following: the identity of the emission unit and associated equipment where excess emissions occurred, the magnitude of excess emissions, the time and duration of excess emissions, the steps taken to remedy the malfunction and to prevent a recurrence, documentation that control equipment and processes were at all times maintained and operated, to the maximum extent practicable, in a manner that was consistent with good practice for minimizing emissions. Such a report shall in no way serve to excuse, otherwise justify, or in any manner affect any potential liability or enforcement action resulting from the occurrence. This defines the Department's definition of prompt in its relation to the degree of reporting as specified by SC Regulation 61-62.70.6(a)(3)(iii)(b).
4.B.8	The permittee shall comply with the standards of performance for asbestos abatement operations pursuant to 40 CFR Part 61.145 and SC Regulation 61-86.1, including, but not limited to, requirements governing training, licensing, notification, work practice, cleanup and disposal.
4.B.9	Savannah River Site is subject to 40 CFR 61 Subpart H, *National Emission Standards for Emissions of Radionuclides Other Than Radon From Department of Energy Facilities*. Emissions of radionuclides to the ambient air from Department of Energy facilities shall not exceed those amounts that would cause any member of the public to receive in any year an effective dose equivalent of 10 mrem/yr. Facility means all buildings, structures and operations on one contiguous site. Also, compliance with the standard must be based on emissions from both significant and insignificant sources including unmonitored and diffuse sources. The list of Potential Impact Category (PIC) 1 & 2 sources (sources with a potential effective dose equivalent of > 0.1 mrem/year) to which this Subpart applies appears below. F-Area: F-Canyon FB Line H-Area: H-Canyon HB Line
4.B.10	To determine compliance with 40 CFR 61 Subpart H, radionuclide emissions shall be determined and effective dose equivalent values to members of the public calculated using EPA approved sampling procedures, computer models CAP-88 or AIRDOS-PC, or other procedures for which EPA has granted prior approval. DOE facilities for which the maximally exposed individual lives within 3 kilometers of all sources of emissions in the facility, may use EPA's COMPLY model and associated procedures for determining dose for purposes of compliance. Radionuclide emission rates from point sources (stacks or vents) shall be measured in accordance with the requirements of 40 CFR 61.93(b) or other procedures for which EPA has granted prior approval.

Condition Num.	Conditions
4.B.11	Savannah River Site shall demonstrate compliance with 40 CFR 61 Subpart H by calculating the highest effective dose equivalent to any member of the public at any offsite point where there is a residence, school, business or office. The owners or operators of each facility shall submit an annual report to EPA headquarters, to the appropriate regional office and to the address in condition 26 of this section by June 30 which includes the results of the monitoring and the dose calculations required by 40 CFR 61.93(a) for the previous calendar year. An annual report shall include the information specified in 40 CFR 61.94(b). If the facility is not in compliance with the emission limits of 40 CFR 61.92 in the calendar year covered by the report, then the facility must commence reporting to the Administrator on a monthly basis the information listed in 40 CFR 61.94(b) for the preceding month. These reports will start the month immediately following the submittal of the annual report for the year in noncompliance and will be due 30 days following the end of each month. This increased level of reporting will continue until the Administrator and/or the BAQ has determined that the monthly reports are no longer necessary. In addition to all the information required in 40 CFR 61.94(b) monthly reports shall also include the following information: * All controls or other changes in operation of the facility that will be or are being installed to bring the facility into compliance. * If the facility is under a judicial or administrative enforcement decree, the report will describe the facilities performance under the terms of the decree. In those instances where the information requested is classified, such information will be made available to EPA and the BAQ separate from the report and will be handled and controlled according to applicable security and classification regulations and requirements.
4.B.12	Savannah River Site must maintain records documenting the source of input parameters including the results of all measurements upon which they are based, the calculations and/or analytical methods used to derive values for input parameters, and the procedure used to determine effective dose equivalent. This documentation should be sufficient to allow an independent auditor to verify the accuracy of the determination made concerning the facility's compliance with the standard. These records must be kept at the site of the facility for at least five years and, upon request, be made available for inspection by the Administrator, or his authorized representative. All facilities designated under 40 CFR 61 Subpart H are exempt from the reporting requirements of 40 CFR 61.10.
4.B.13	In addition to any activity that is defined as construction under 40 CFR Part 61, Subpart A, any fabrication, erection or installation of a new building or structure within a facility that emits radionuclides is also defined as new construction for purposes of 40 CFR part 61, subpart A. An application for approval under 40 CFR 61.07 or notification of startup under 40 CFR 61.09 does not need to be filed for any new construction of or modification within an existing facility if the effective dose equivalent, caused by all emissions from the new construction or modification, is less than 1% of the standard prescribed in 40 CFR 61.92. For purposes of this paragraph the effective dose equivalent shall be calculated using the source term derived using Appendix D as input to the dispersion and other computer models described in 40 CFR 61.93. DOE may, with prior approval from EPA, use another procedure for estimating the source term for use in this condition. A facility is eligible for this exemption only if, based on its last annual report, the facility is in compliance with this subpart. Conditions to approvals granted under 40 CFR 61.08 will not contain requirements for post approval reporting on operating conditions beyond those specified in 40 CFR 61.94.
4.B.14	Savannah River Site shall implement an Operation and Maintenance (O&M) program to provide inspections of stack sampling equipment as required by 40 CFR 61 Subpart H. These requirements with supporting documentation shall be submitted to the address specified in 4.B.15 within the time frame specified in Subpart H.

Condition Num.	Conditions
4.B.15	All submittals required by this condition (as referenced by area-specific Part 6.0) shall be sent to the South Carolina Department of Health and Environmental Control - Bureau of Air Quality (SC DHEC - BAQ) at the following address: **SC DHEC - BAQ** **Technical Management Section** **2600 Bull Street** **Columbia, SC 29201**
4.B.16	Submittals required by this condition (as referenced by area-specific Part 6.0) shall be sent to the South Carolina Department of Health and Environmental Control (SC DHEC) at the following address: **Region 5, Aiken EQC Office** **206 Beaufort Street NE** **Aiken, SC 29801**
4.B.17	Savannah River Site shall install, operate and maintain pressure drop gauge(s) on each module of the baghouse(s). All pressure drop gauges shall be readily accessible for verification by operating personnel and Department personnel (i.e. on ground level or easily accessible roof level). Pressure drop readings shall be recorded at the frequency specified in Table 6.1 of this area-specific section during source operation and shall be made available to Department personnel upon request. The readings shall be maintained in logs (written or electronic (i.e., computerized data system)), along with any corrective action taken when deviations occur. Operational ranges for the monitored parameters shall be established to provide a reasonable assurance of compliance. These operational ranges for the monitored parameters shall be derived from stack test data, vendor certification, and/or operational history and visual inspections, which demonstrate the proper operation of the equipment in compliance. These ranges, with supporting documentation and quality assurance procedures, shall be submitted to the address specified in 4.B.15 for approval within 180 days of the effective date of this permit. The operating ranges may be updated using this procedure, following Bureau approval. Baghouse monitoring data shall be maintained on site for a period of at least five (5) years from the date generated and shall be made available to Department personnel upon request. Each incidence of operation outside these operational ranges, including date and time, cause, and corrective action taken, shall be recorded and kept on site for five (5) years. Quarterly reports of these incidences shall be submitted to the address specified in 4.B.15 postmarked no later than 30 days after the end of the reporting period. If no incidences occurred during the reporting period then a letter shall be submitted to indicate such. These reports shall be submitted to the address specified in 4.B.15 postmarked no later than 30 calendar days after the end of each calendar quarter. In addition to the above, the facility shall conduct and log maintenance inspections of all baghouses (with the exception of B084 on unit ID A-008) to ensure proper operation. These maintenance inspections shall include, but are not limited to: daily visual monitoring of stack outlet and dust discharge systems; weekly inspection of discharge conveyor bearings, damper operation, compressed air lines, fan operation, and all hoses and clamps; and monthly spot inspections for bag leaks and holes, fan blade wear, and baghouse housing for corrosion. The inspection log shall be made available to Department personnel upon request. Any alternative method for monitoring baghouse performance must be approved by the Bureau and shall be incorporated into the permit as set forth in SC Regulation 61-62.70.7.
4.B.18	<Void>
4.B.19	<Void>
4.B.20	<Void>

Condition Num.	Conditions
4.B.21	Savannah River Site shall install, operate and maintain outlet gas temperature gauges, inlet and outlet coolant temperature gauges and coolant flowmeters on each condenser (with the exception of J005 on Unit ID S-001 which shall be allowed to operate in accordance with WSRC Letter ESH-ECS-2002-00284). All gauges shall be readily accessible for verification by operating personnel and Department personnel (i.e. on ground level or easily accessible roof level). Each parameter shall be recorded at the frequency specified in Table 6.1 of this area-specific section during source operation and shall be made available to Department personnel upon request. The readings shall be maintained in logs (written or electronic (i.e., computerized data system)), along with any corrective action taken when deviations occur. Operational ranges for the monitored parameters shall be established to provide a reasonable assurance of compliance. These operational ranges for the monitored parameters shall be derived from stack test data, vendor certification, and/or operational history and visual inspections, which demonstrate the proper operation of the equipment in compliance. These ranges, with supporting documentation and quality assurance procedures, shall be submitted to the address specified in 4.B.15 for approval within 180 days of the effective date of this permit. The operating ranges may be updated using this procedure, following Bureau approval. Condenser monitoring data shall be maintained on site for a period of at least five (5) years from the date generated and shall be made available to Department personnel upon request. Each incidence of operation outside these operational ranges, including date and time, cause, and corrective action taken, shall be recorded and kept on site for five (5) years. Quarterly reports of these incidences shall be submitted to the address specified in 4.B.15 postmarked no later than 30 calendar days after the end of each calendar quarter. If no incidences occurred during the reporting period then a letter shall indicate such. These reports shall be submitted to the address specified in 4.B.15 postmarked no later than 30 calendar days after the end of each calendar quarter. In addition to the above, the facility shall conduct and log maintenance inspections of all condensers to ensure proper operation to include as a minimum the following: daily visual monitoring of stack outlet and condenser discharge systems; monthly inspection of all ductwork, piping and condenser housing for corrosion. The log shall be maintained on site for a period of at least five (5) years from the date generated and shall be made available to Department personnel upon request, and shall include, but be not limited to, the following: a. The date, time, and duration of each time the condenser is bypassed for equipment malfunction/failure or for any other reason such as the performance of planned maintenance on the condenser; and b. The nature of such malfunction/failure (i.e. fouling, freezing, leaks, excessive vibration, etc.) Any alternative method for monitoring condenser performance must be approved by the Bureau and shall be incorporated into the permit as set forth in SC Regulation 61-62.70.7.
4.B.22	<Void>
4.B.23	<Void>

Condition Num.	Conditions
4.B.24	Savannah River Site shall perform the following as it pertains to the operation of all cyclones: (a) To assure compliance, the owner/operator shall perform inspection and maintenance as recommended by cyclone manufacturer and as a minimum (if there are no manufacturer recommendations) the following inspections at least quarterly (unless less frequent inspections are specified in Table 6.1 of the area-specific section of the permit): (i) an inspection of the structural integrity of cyclones, and; (ii) visual inspection of system ductwork and material collection unit for leaks. (b) The results of operation and maintenance checks shall be maintained in a log book (written or electronic) on site and made available to a Department representative upon request. The log book shall include, but not be limited to, the following: (i) the date and time of each recorded action, (ii) the results of each inspection, (iii) the results of any maintenance performed on the control unit, and (iv) any variance from manufacturer's recommendations, if any, and corrections made. The inspections results shall be maintained in logs (written or electronic), along with any corrective action taken, for a period of at least five (5) years from the date generated and shall be made available to Department personnel upon request.

Condition Num.	Conditions
4.B.25	All diesel generators, diesel air compressors and diesel pumps at Savannah River Site (SRS) are permitted to burn #2 oil and Biodiesel™ as fuel. The use of any other substance as fuel in the diesel generators/air compressors is prohibited unless prior written approval is obtained from the Bureau of Air Quality (BAQ). SRS must record fuel oil/Biodiesel consumption monthly, based on site records for each time a diesel unit is refueled, and calculate semiannual fuel oil/Biodiesel consumption on a twelve (12) month rolling sum. To ensure compliance with the annual consumption limit specified below, SRS must refuel each unit at least once during the annual permit reporting year, or for those units with infrequent or minimal annual operations, the unit must be refueled when the tank level decreases to below 75%, as determined from an appropriate measurement device, e.g., installed tank level gauge, sight glass, float gauge, or an incremented dip stick. For any unit whose tank level did not decrease below 75% and was not refueled during any given 12 month running reporting period, the facility operator must report the approximate tank level in percent (75% to 100%) biannually in September and March. Fuel oil sulfur content for these fuels shall be less than or equal to 0.5% percent by weight. Acceptable fuel oil certification can be ensured by following Department guidance entitled "Guidance for Fuel Oil Certifications" issued on August 12, 2004 and any subsequent revisions. Fuel supplier certification shall consist of (a) the name of the oil supplier, and (b) a statement from the oil supplier that the oil complies with the specifications for fuel oil #2, as defined by the American Society for Testing Materials in ASTM Method D396-98. A letter summarizing all batches of oil received on a semiannual basis from the site fuel oil supplier stating that all the #2 fuel oil supplied to the site will meet the specifications stated above will satisfy the documentation and reporting requirement. The use of Biodiesel™ fuel as an alternative fuel in diesel generators, diesel air compressors and diesel pumps throughout the site is allowed in accordance with the proposal as specified in Savannah River Site's November 13, 2000 letter to the BAQ (ESH-ESS-2000-00362), which allows for the use of an 80/20 blend of #2 fuel oil/Biodiesel™. The use of Biodiesel™ in the package boilers shall likewise be granted provided that Savannah River Site submits a test protocol within the allotted time frame that testing is to be performed, completes a source test on the requested unit(s) and submits the results within 180 days from commencement of burning Biodiesel™ in the package boilers. All submittals shall be sent to the address specified in condition 4.B.27. Failure to comply with the above source test requirement within the given time frame shall rescind this approval to burn Biodiesel™ in the package boilers. If the results of the source test indicate emissions of criteria pollutants that are in any way higher than for fuel oil combustion, the BAQ may determine that a permit modification shall be necessary prior to continuing operation with the use of Biodiesel™ fuel as an alternative fuel. Savannah River Site's fuel oil use in the on-site generators shall be limited to 2,769,720 gallons per consecutive 12-month period, or 2,681,240 gallons per consecutive 12-month period of Biodiesel™ fuel, or a pro-rated combination of the two fuels. The gallons per consecutive 12-month period limit when using the pro-rated combination of fuel oil/Biodiesel™ shall be based on the following equation: $Y = 2{,}769{,}720 - 0.033X$, where; Y = Total gallons of fuel consumed (in gallons per consecutive 12-month period), and X = Biodiesel™ fuel (in gallons per consecutive 12-month period) Savannah River Site shall maintain all records, including records of fuel oil/Biodiesel™ consumption and fuel oil certification, for a period of at least five (5) years from the date generated, and shall make these records available to Department personnel upon request. Semiannual reports including fuel oil certification, fuel oil/Biodiesel™ consumption, and all recorded parameters and calculated values shall be submitted to the address specified in condition 4.B.15 postmarked no later than 30 calendar days after the end of the reporting period.

Condition Num.	Conditions
4.B.26	All submittals required by this condition (as referenced by area-specific Part 6.0) shall be sent to the South Carolina Department of Health and Environmental Control - Bureau of Air Quality (SC DHEC - BAQ) at the following address: **SC DHEC - BAQ** **Division Director** **Air Toxics, Emissions Inventory and Mondeling Division** **2600 Bull Street** **Columbia, SC 29201**
4.B.27	All submittals required by this condition (as referenced by area-specific Part 6.0) shall be sent to the South Carolina Department of Health and Environmental Control - Bureau of Air Quality (SC DHEC - BAQ) at the following address: **SC DHEC - BAQ** **Source Evaluation Section** **2600 Bull Street** **Columbia, SC 29201**
4.B.28	All submittals of operating ranges required by conditions 4.B.17 through 4.B.23 shall be completed as specified in these conditions. Due to the nature of emissions, the number of control devices employed at the facility, the importance of operating ranges being set accurately to assure compliance, the amount of data needed to be analyzed and the complex nature of the data to be analyzed, the submittal of such data must be processed as a significant modification to this permit, and the incorporation of these ranges shall be completed in accordance with the significant modification procedures for Title V permits, as set forth in SC Regulation 61-62.70.7(e)(4).
4.B.29	The permittee shall keep records of all monitoring data and support information for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application and shall be made available to Department personnel upon request. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by regulation or this permit.
4.B.30	For those sources that emit radionuclides as their only form of particulate matter, SC Regulation 61-62.5, Standard 4 PM and opacity limits are applicable for such sources. However, because the nature of this particulate matter such that it is subject to 40 CFR 61 Subpart H, *National Emission Standards for Emissions of Radionuclides Other Than Radon From Department of Energy Facilities*, the methods described in this NESHAP will be sufficient to ensure continued compliance with Standard 4.

PART 5.0a EMISSION UNIT REQUIREMENTS (A-Area)

A. EMISSION UNIT DESCRIPTION (A-Area)

Table 5.1 is a description of emission units located in A-Area.

***TABLE 5.1* EMISSION UNITS (A-Area)** (Revised 7/3/03)		
Unit ID	**Unit Description**	**Control Device Description**
A-001	**VOID** - 305-A Paper Shredder	**Cyclone (VOID):** C012; **Baghouse (VOID):** B681
A-002	**VOID** - 773-A C-Wing Laboratories R&D Equipment**	**HEPA Filters (VOID):** H273 thru H337, H352 thru H354, H760 & H761, P104 thru P110, P115 & P116
A-003	**VOID** - 791-A Laboratories R&D Equipment**	**HEPA Filters (VOID):** H339, H341, H342, H344, H345, H347 thru H350, H355 thru H364, H440 thru H450, H455 thru H457, H464, H465, H482 thru H489, H491 thru H493, H495, H496, H662, H665, H667, H681, H683, H686, H688, H702, H704, H721, H723, H725, H727, H729, H731, H733, H735, H737, H739, P027, P037, P047, P051, P052, P054; **Sand Filter (VOID):** N004
A-004	**VOID** - 773-A B-Wing Laboratories R&D Equipment**	**HEPA Filters (VOID):** H370 thru H436, P129 thru P148
A-005	722-4A Beadblaster	**Baghouse:** B038
A-006	784-A Stoker Boiler #1	**Cyclones:** C021 & C023
A-007	784-A Stoker Boiler #2	**Cyclones:** C022 & C024
A-008	784-A Ash Handling System	**Cyclone:** C025; **Baghouse:** B084; **Fiberglass/Roughing Filter:** I500
A-009	**VOID -** 715-6A Gasoline Tank #3	None
A-010	**VOID** - 754-5A Emergency Diesel Generator #1	None
A-011	**VOID** - 754-5A Emergency Diesel Generator #2	None
A-012	**VOID** - 731-8A Soil Vapor Extraction Unit	None

B. CONTROL DEVICE DESCRIPTION

Table 5.2 is a description of control devices located in this area.

***TABLE 5.2* CONTROL DEVICES (A-Area)** (Revised 7/3/03)			
Control Device ID	**Control Device Description**	**Installation Date**	**Pollutant(s) Controlled**
B038	Baghouse	2/1992	PM_{10}
B084	Baghouse	6/1997	PM_{10}
I500	Fiberglass/Roughing Filter	6/1997	PM_{10}
C021 thru C024	Cyclone	10/1976	PM_{10}
C025	Cyclone	6/1997	PM_{10}

C. EQUIPMENT DESCRIPTION (A-Area)

A description of the equipment located in A-Area is provided in the following tables:

TABLE 5.3 **UNIT ID A-001 - VOID** (Revised 7/3/03)

TABLE 5.4 **UNIT ID A-002 - VOID**

TABLE 5.5 **UNIT ID A-003 - VOID**

TABLE 5.6 **UNIT ID A-004 - VOID**

TABLE 5.7 **UNIT ID A-005 - 722-4A Beadblaster**				
Equipment ID	**Equipment Description**	**Installation Date**	**Control Device ID**	**Stack ID**
794A	Beadblaster	2/1992	B038	AGP0007

TABLE 5.8 **UNIT IDs A-006 &A-007 (784-A Stoker Boilers) & A-008 (Ash Handling System)**				
Equipment ID	**Equipment Description**	**Installation Date**	**Control Device ID**	**Stack ID**
822A	Coal Fired Stoker Boiler #1 rated at 71.7 x 10^6 BTU/hr	1/1952	C021 & C023	APF0001
823A	Coal Fired Stoker Boiler #2 rated at 71.7 x 10^6 BTU/hr	1/1952	C022 & C024	APF0001
544A	Ash Silo for storage of coal ash captured by dry air vacuum ash handling system at 784-A Powerhouse	5/1997	C025, B084 & I500	APJ0024
67FA	Ash Truck Loading for offloading of stored coal ash from silo	5/1997	C025, B084 & I500	APJ0024

TABLE 5.9 **UNIT ID A-009 - Gasoline Storage Tank**				
Equipment ID	**Equipment Description**	**Installation Date**	**Control Device ID**	**Stack ID**
512A	**VOID** - 10,000 Gallon Above-Ground Gasoline Tank (Tank #3)	4/1952	None	AYT0002

TABLE 5.10 **UNIT IDs A-010 & A-011 - VOID**

TABLE 5.11 **UNIT ID A-012 – VOID**

D. EMISSION LIMITS AND STANDARDS (A-Area) (Revised 7/3/03)

Table 5.12 contains a summary of emission limits & standards for emission units located in A-Area.

TABLE 5.12 **EMISSION LIMITS AND STANDARDS (A-Area)**

Unit ID	Pollutant	Limit/ Standard	Reference Method	Regulation	State Only	Condition Number
A-005 & A-008	Opacity	20%	9	SC Regulation 61-62.5 Std. 4, Sect. IX	No	a5.E.1
A-006 & A007	Opacity	40%	9	SC Regulation 61-62.5 Std. 1, Sect. I	No	a5.E.3
A-006 & A007	PM	0.6 lb/10^6 BTU	5	SC Regulation 61-62.5 Std. 1, Sect. II	No	a5.E 4
A-006 & A007	SO_2	3.5 lb/10^6 BTU	6 or 6c	SC Regulation 61-62.5 Std. 1, Sect. III	No	a5.E 5
A-005	PM	0.789 lb/hr	5	SC Regulation 61-62.5 Std. 4, Sect. VIII	No	a5.E.6

The maximum allowable emission limits above are derived from the various Federal and State regulations that govern the operation of this type of source. All applicable emission limits and corresponding regulations are listed above. Additional operating requirements which may be more stringent than those above are contained in Part 4.0 or Part 7.0 of this permit or Part 6.0 in this Area-specific section.

E. EMISSION UNIT CONDITIONS (A-Area)

Condition Number	Conditions
a5.E.1	In accordance with SC Regulation 61-62.5, Standard No. 4 - Emissions from Process Industries, Section IX - Visible Emissions (Where Not Specified Elsewhere), where construction or modification began after December 31, 1985, emissions (including fugitive emissions) shall not exhibit an opacity greater than 20%.
a5.E.2	<Void>
a5.E.3	The A-Area boilers shall not discharge into the ambient air smoke that exceeds an opacity of 40%. The forty (40) percent opacity limit may be exceeded for sootblowing, but may not be exceeded for more than six (6) minutes in a one hour period, nor be exceeded for more than a total of twenty-four (24) minutes in a twenty-four (24) hour period. Emissions caused by sootblowing shall not exceed sixty (60) percent opacity. The opacity standards set forth above do not apply during startup, shutdown or malfunction. The owner/operator shall, to the extent practicable, maintain and operate any source including associated air pollution control equipment in a manner consistent with good air pollution control practices for minimizing emissions. The owner/operator shall, for a period of at least five (5) years maintain a log of the time, magnitude, duration and any other pertinent information to determine periods of startup and shutdown and make these records available to a Department representative upon request.
a5.E 4	The allowable discharge of particulate matter (PM) resulting from fuel burning emission units shall be limited to 0.6 lb/10^6 BTU.
a5.E 5	The maximum allowable sulfur dioxide (SO_2) emission from fuel burning emission units located in a Class II Area shall not exceed 3.5 lb/10^6 BTU.

Condition Number	Conditions
a5.E.6	In accordance with SC Regulation 61-62.5, Standard No. 4 - Emissions from Process Industries, Section VIII - Other Manufacturing, particulate matter emissions shall be limited to the rate specified by use of the following equations: For process weight rates less than or equal to 30 tons per hour ($E = 4.10P^{0.67}$); For process weight rates greater than 30 tons per hour ($E = 55.0P^{0.11} - 40$); where, E = the allowable emission rate in pounds per hour, and P = process weight rate in tons per hour. As such, the allowable particulate matter emission limit for the paper shredder is 1.4 lb/hr at its nominal production rating of 0.21 tons per hour, and the allowable particulate matter emission limit for the beadblaster is 0.789 lb/hr at its nominal production rating of 0.086 tons per hour.

PART 6.0a MONITORING AND REPORTING REQUIREMENTS (A-Area)

[SC Regulation 61-62.1, Section II]; [SC Regulation 61-62.70.6(a)(3)(I)(B)]

A. MONITORING AND REPORTING (A-Area)

Table 6.1 contains summaries of the monitoring and reporting required of A-Area.

***TABLE 6.1* MONITORING AND REPORTING (A-Area)** (Revised 7/3/03)

Unit ID	Pollutant/ Parameter	Limit	Required Monitoring	Monitoring Frequency	Reporting Frequency	Condition Number
A-006 & A007	PM	0.6 lb/10^6 BTU	Source test	Biennial	Refer to condition	a6.B.7
A-006 & A007	SO_2	3.5 lb/10^6 BTU	Source test	Biennial	Refer to condition	a6.B.7
A-006 & A007	Opacity	40%	Source test	Biennial	Refer to condition	a6.B.7
A-006 & A007	Startup and Shutdown	N/A	Recordkeeping	Per Occurrence	Onsite**	a6.B.8
A-006 & A007	Fuel Type	Refer to conditions				a6.B.9 & a6.B.10
A-006 & A007	Cyclone Performance	N/A	Recordkeeping	Annual	See condition	4.B.24
A-005	Baghouse Performance	See condition	Recordkeeping	See condition	See condition	a6.B.14
A-008	Baghouse Performance	As specified	Recordkeeping	Daily	Quarterly	4.B.17
A-006 & A-007	Visible Emissions	N/A	Recordkeeping	Daily	Semiannual	7.A.1

N/A = Not Applicable

** Onsite = Facility shall keep records on site. Semiannual notification that the required monitoring is being completed as specified shall be submitted to the address specified in condition 4.B.15 in accordance with SC Regulation 61-62.70.6(a)(3)(iii)(A).

B. MONITORING AND REPORTING CONDITIONS (A-Area) (Revised 7/3/03)

Condition Number	Conditions
a6.B.1	<Void>
a6.B.2	<Void>
a6.B.3	<Void>
a6.B.4	<Void>
a6.B.5	<Void>
a6.B.6	<Void>
a6.B.7	Every two (2) years the permittee shall schedule tests for PM, SO_2 and opacity to demonstrate compliance with the standard. All tests shall be made by, or under the direction of, a person qualified by training and/or experience in the field of air pollution testing. All tests shall be conducted while the emission unit is operating at the expected maximum production rate or other production rate or operating conditions which would result in the highest emissions. Any production rate less than rated capacity may result in production limitations. The Manager of the Source Evaluation Section, BAQ, shall be notified at least two (2) weeks prior to conducting a stack test. The final test reports must be submitted to the address specified in condition 4.B.27, no later than thirty (30) days after the completion of onsite testing.
a6.B.8	The permittee shall maintain a log onsite of the time, magnitude, duration and any other pertinent information to determine periods of startup and shutdown and make such information available to the BAQ upon request.
a6.B.9	The A-Area boilers are permitted to burn only coal with sulfur content less than or equal to 2.0% as fuel. Coal sulfur content shall be documented for all coal burned in the subject boilers. This shall be obtained by pulling a composite sample of coal being fed into the plant once per week and the samples analyzed by a laboratory. Records of coal sulfur content analyses shall be maintained on site for a period of at least five (5) years and shall be made available to a Department representative upon request. The use of any other substances as fuel is prohibited without prior written approval from the BAQ.
a6.B.10	Semiannual reports shall be submitted to the address specified in condition 4.B.15 postmarked no later than thirty (30) calendar days after the end of the reporting period. The report shall include a summary of relevant information obtained from the lab analyses performed as a result of the requirements set forth in condition 9 of this section.
a6.B.11	<Void>
a6.B.12	<Void>
a6.B.13	<Void>
a6.B.14	As an alternative to condition 4.B.17, the bead blaster bag house, which operates approximately 6 hours per week (and for no more than 5,300 hours per consecutive 12-month period), shall be monitored when it is in operation as follows: (a) At the beginning of each blasting operation, the operator will visually observe the discharge exhaust from the bag house for visible emissions (fines) and document that observation in a logbook kept at the bead blaster. (b) The operator will establish an annual maintenance schedule for inspection and replacement of the bag house filters in accordance with manufacturer's maintenance and inspection recommendations. Any further alternative methods for monitoring filter performance must be approved by the Bureau and shall be incorporated into the permit as set forth in SC Regulation 61-62.70.7.

PART 5.0b EMISSION UNIT REQUIREMENTS (B-Area)

A. EMISSION UNIT DESCRIPTION (B-Area)

Table 5.1 is a description of the emission unit located in B-Area.

TABLE 5.1 EMISSION UNITS (B-Area)		
Unit ID	**Unit Description**	**Control Device Description**
B-001	735-1B Laboratory Hot Water Heater/Boiler #1	None
B-002	735-1B Laboratory Hot Water Heater/Boiler #2	None
B-003	735-1B Laboratory Hot Water Heater/Boiler #3	None
B-004	**VOID** - 735-1B Fuel Oil Storage Tank #1; NSPS Subpart Kb	None
B-005	**VOID** - 735-1B Fuel Oil Storage Tank #2; NSPS Subpart Kb	None

B. CONTROL DEVICE DESCRIPTION (B-Area)

No control devices located in B-Area.

C. EQUIPMENT DESCRIPTION (B-Area)

A description of the equipment located in B-Area is provided in the following tables:

TABLE 5.2 UNIT IDs B-001 thru B-003				
Equipment ID	**Equipment Description**	**Installation Date**	**Control Device ID**	**Stack ID**
110B	Boiler #1 rated at 3.897×10^6 BTU/hr	11/2000	None	BQH0001
111B	Boiler #2 rated at 3.897×10^6 BTU/hr	11/2000	None	BQH0001
112B	Boiler #3 rated at 3.897×10^6 BTU/hr	11/2000	None	BQH0001

TABLE 5.3 **UNIT IDs B-004 thru B-005 - VOID**

D. EMISSION LIMITS AND STANDARDS (B-Area)

Table 5.4 contains a summary of the emission limit for the emission unit in B-Area.

TABLE 5.4 EMISSION LIMITS AND STANDARDS (B-Area)						
Unit ID	**Pollutant**	**Limit/ Standard**	**Reference Method**	**Regulation**	**State Only**	**Condition Number**
B-001 thru B-003	PM	0.6 lb/10^6 BTU	5	SC Regulation 61-62.5 Std. 1, Sect. II	No	b5.E.1
B-001 thru B-003	SO_2	3.5 lb/10^6 BTU	6 or 6c	SC Regulation 61-62.5 Std. 1, Sect. III	No	b5.E.1
B-001 thru B-003	Opacity	20%	9	SC Regulation 61-62.5 Std. 1, Sect. I	No	b5.E.2

The maximum allowable emission limits above are derived from the various Federal and State regulations that govern the operation of this type of source. All applicable emission limits and corresponding regulations are listed above. Additional operating requirements which may be more stringent than those above are contained in Part 4.0 or Part 7.0 of this permit or Part 6.0 in this Area-specific section.

E. EMISSION UNIT CONDITIONS (B-Area)

Condition Number	Conditions
b5.E.1	The allowable discharge of particulate matter (PM) resulting from fuel burning emission units shall be limited to 0.6 lb/10^6 BTU. The maximum allowable sulfur dioxide (SOx) emission from fuel burning emission units located in a Class II Area shall not exceed 3.5 lb/10^6 BTU.
b5.E.2	The boilers shall not discharge into the ambient air smoke that exceeds an opacity of 20%. The owner/operator shall, to the extent practicable, maintain and operate any source including associated air pollution control equipment in a manner consistent with good air pollution control practices for minimizing emissions. For the opacity standards set forth above to not apply during startup or shutdown, the owner/operator shall, for a period of at least five (5) years maintain a log of the time, magnitude, duration and any other pertinent information to determine periods of startup and shutdown and make these records available to a Department representative upon request.

PART 6.0b MONITORING AND REPORTING REQUIREMENTS (B-Area)

[SC Regulation 61-62.1, Section II]; [SC Regulation 61-62.70.6(a)(3)(i)(B)]

A. MONITORING AND REPORTING (B-Area)

Table 6.1 contains a summary of the monitoring and reporting required of B-Area.

TABLE 6.1 **MONITORING AND REPORTING (B-Area)**

Unit ID	Pollutant/ Parameter	Limit	Required Monitoring	Monitoring Frequency	Reporting Frequency	Condition Number
B-001 thru B-003	Fuel Specifications	$\leq$ 0.5% sulfur (by weight)	Recordkeeping	See condition	Annual	b6.B.1

B. MONITORING AND REPORTING CONDITIONS (B-Area)

Condition Number	Conditions
b6.B.1	All boilers in the tables above are permitted to burn only #2 fuel oil as a fuel. The use of any other substances as fuel is prohibited without prior written approval from the Bureau of Air Quality. Fuel oil sulfur content shall be less than or equal to 0.5% percent by weight. Acceptable fuel oil certification can be ensured by following Department guidance entitled "Guidance for Fuel Oil Certifications" issued on May 19, 2000 and any subsequent revisions. Fuel supplier certification shall consist of (a) the name of the oil supplier, and (b) a statement from the oil supplier that the oil complies with the specifications for fuel oil #2, as defined by the American Society for Testing Materials in ASTM Method D396-98. Annual reports of fuel oil certification, including all recorded parameters and calculated values, shall be submitted to the address specified in condition 4.B.15 postmarked no later than 30 calendar days after the end of the reporting period. A letter summarizing all batches of oil received on an annual basis from the site fuel oil supplier stating that all the #2 fuel oil supplied to the site will meet the specifications stated above will satisfy the documentation and reporting requirement.

PART 5.0c EMISSION UNIT REQUIREMENTS (C-Area)

No emission units are located in C-Area at this time. See Attachment B for a list of Insignificant Activities located in C-Area.

PART 6.0c MONITORING AND REPORTING REQUIREMENTS (C-Area)

[SC Regulation 61-62.1, Section II]; [SC Regulation 61-62.70.6(a)(3)(i)(B)]

No monitoring, reporting or recordkeeping is required in C-Area at this time. See Attachment B for a list of Insignificant Activities located in C-Area.

PART 5.0d EMISSION UNIT REQUIREMENTS (D-Area)

The D-Area Powerhouse is covered under BAQ Permit #TV-0080-0044. See Attachment B for a list of Insignificant Activities located in D-Area.

PART 6.0d MONITORING AND REPORTING REQUIREMENTS (D-Area)

[SC Regulation 61-62.1, Section II]; [SC Regulation 61-62.70.6(a)(3)(i)(B)]

The D-Area Powerhouse is covered under BAQ Permit #TV-0080-0044. See Attachment B for a list of Insignificant Activities located in D-Area.

PART 5.0e EMISSION UNIT REQUIREMENTS (E-Area)

No emission units are located in E-Area at this time. See Attachment B for a list of Insignificant Activities located in E-Area.

PART 6.0e MONITORING AND REPORTING REQUIREMENTS (E-Area)

[SC Regulation 61-62.1, Section II]; [SC Regulation 61-62.70.6(a)(3)(i)(B)]

No monitoring, reporting or recordkeeping is required in E-Area at this time. See Attachment B for a list of Insignificant Activities located in E-Area.

PART 5.0f EMISSION UNIT REQUIREMENTS (F-Area)

A. EMISSION UNIT DESCRIPTION (F-Area)

Table 5.1 is a description of emission units located in F-Area.

TABLE 5.1 EMISSION UNITS (F-Area)		
Unit ID	**Unit Description**	**Control Device Description**
F-001	**VOID** – 772-F Process Control Laboratory	**HEPA Filters (VOID):** H998, H999, P001, P002, P003 & P004
F-002	F Canyon	**HEPA Filters:** H706, H707 & H708; **Sand Filters (VOID):** N006; **Sand Filters:** N007
F-003	**VOID** – FB Line	**HEPA Filters (VOID):** H709, H710 & H783; **Sand Filters (VOID):** N006; **Sand Filters:** N007
F-004	**VOID** – 221-F Emergency Diesel Generator	None
F-005	**VOID** – 254-5F Production Diesel Fuel Tank #1; NSPS Subpart Kb	None
F-006	**VOID** – 254-5F Production Diesel Fuel Tank #2; NSPS Subpart Kb	None
F-007	**VOID** – 211-F Nitric Acid Tanks	None
F-008	**VOID** – 254-13F Production Diesel Engine #1	None
F-009	**VOID** – 254-13F Production Diesel Engine #2	None
F-010	**VOID** – 200-F Emergency Diesel Generator	None

B. CONTROL DEVICE DESCRIPTION (F-Area)

Table 5.2 is a description of control devices located in F-Area.

TABLE 5.2 CONTROL DEVICES (F-Area)			
Control Device ID	**Control Device Description**	**Installation Date**	**Pollutant(s) Controlled**
H706	HEPA Filter	1/1955	Radionuclides
H707	HEPA Filter	1/1955	Radionuclides
H708	HEPA Filter	1/1955	Radionuclides
N006	**VOID** – Sand Filter	1/1953	Radionuclides
N007	Sand Filter	1/1976	Radionuclides
H709	**VOID** – HEPA Filter	1/1990	Radionuclides
H710	**VOID** – HEPA Filter	3/1988	Radionuclides
H783	**VOID** – HEPA Filter	4/1995	Radionuclides

C. EQUIPMENT DESCRIPTION (F-Area)

A description of the equipment located in F-Area is provided in the following tables:

TABLE 5.3 **UNIT ID F-001 - VOID**

TABLE 5.4 **UNIT ID F-002 - F-Canyon**				
Equipment ID	**Equipment Description**	**Installation Date**	**Control Device ID**	**Stack ID**
66AF	**VOID** - Dissolving	1/1955	None	FSP0023
84CF	**VOID** - Head End	1/1955	N006 & N007	FSP0023
82CF	**VOID** - First Cycle	1/1955	N006 & N007	FSP0023
83CF	**VOID** - Second Uranium Cycle	1/1955	N006 & N007	FSP0023
81CF	**VOID** - Second Plutonium Cycle	1/1955	N006 & N007	FSP0023
48CF	**VOID** - Solvent Recovery	1/1955	N006 & N007	FSP0023
47CF	**VOID** - Low Activity Waste	1/1955	N006 & N007	FSP0023
46CF	**VOID** - High Activity Waste	1/1955	N006 & N007	FSP0023
45CF	**VOID** - Acid Recovery	1/1955	N006 & N007	FSP0023
99CF	**VOID** - Lab Waste	1/1955	N006 & N007	FSP0023
44CF	**VOID** - GP Evaporator	1/1955	N006 & N007	FSP0023
68AF	**VOID** - Segregated Solvent	1/1955	N006 & N007	FSP0023
78CF	**VOID** - Cold Feed, 3rd Level	1/1955	N006 & N007	FSP0023
77CF	Canyon Cell Exhaust	1/1955	H706, H707 & H708	FSP0023
76CF	**VOID** - Sump Exhaust	1/1955	N006 & N007	FSP0023
75CF	**VOID** - Waste & Water Handling	1/1955	N006 & N007	FSP0023
74CF	**VOID** - Denitration	1/1955	N006 & N007	FSP0023

TABLE 5.5 **UNIT ID F-003 - VOID**

TABLE 5.6 **UNIT ID F-004 - VOID**

TABLE 5.7 **UNIT IDs F-005 & F-006 - VOID**

TABLE 5.8 **UNIT ID F-007- VOID**

TABLE 5.9 **UNIT IDs F-008 through F-010 -VOID**

D. EMISSION LIMITS AND STANDARDS (F-Area)

Table 5.10 contains a summary of the emission limit for the emission unit in F-Area.

TABLE 5.10 **EMISSION LIMITS AND STANDARDS (F-Area)**						
Unit ID	**Pollutant/ Parameter**	**Limit/ Standard**	**Reference Method**	**Regulation**	**State Only**	**Condition Number**
F-002	PM/Opacity	See condition	See condition	SC Regulation 61-62.5, Std. 4	No	4.B.30

TABLE 5.10 EMISSION LIMITS AND STANDARDS (F-Area)						
Unit ID	**Pollutant/ Parameter**	**Limit/ Standard**	**Reference Method**	**Regulation**	**State Only**	**Condition Number**
F-002	Opacity	40%	9	SC Regulation 61-62.5, Std. 4, Sect. IX	No	f5.E.1

The maximum allowable emission limits above are derived from the various Federal and State regulations that govern the operation of this type of source. All applicable emission limits and corresponding regulations are listed above. Additional operating requirements which may be more stringent than those above are contained in Part 4.0 and Part 7.0 of this permit or Part 6.0 in this Area-specific section.

E. EMISSION UNIT CONDITIONS (F-Area)

Condition Number	Conditions
f5.E.1	In accordance with SC Regulation 61-62.5, Standard No. 4 - Emissions from Process Industries, Section IX - Visible Emissions (Where Not Specified Elsewhere), where construction or modification began on or before December 31, 1985, emissions (including fugitive emissions) shall not exhibit an opacity greater than 40%.

PART 6.0f MONITORING AND REPORTING REQUIREMENTS (F-Area)

[SC Regulation 61-62.1, Section II]; [SC Regulation 61-62.70.6(a)(3)(i)(B)]

A. MONITORING AND REPORTING (F-Area)

Table 6.1 contains summaries of the monitoring and reporting required of F-Area.

TABLE 6.1 MONITORING AND REPORTING (F-Area)						
Unit ID	**Pollutant/ Parameter**	**Limit**	**Required Monitoring**	**Monitoring Frequency**	**Reporting Frequency**	**Condition Number**
F-002	Effluent Flow Rates	N/A	Continuous Monitor	Continuous	Refer to condition	f6.B.1
F-002	Relative Accuracy (RA)	N/A	Performance Test	Semiannual	Refer to condition	f6.B.2
F-002	Radionuclides	N/A	Continuous Monitor	Continuous	Onsite**	f6.B.3
F-002	Radionuclides	10 mrem/yr	Computer Model	Annual	By June 30	f6.B.4 & 4.B.12
F-002	Radionuclides	N/A	QAPP	Refer to condition		f6.B.5 & f6.B.6

N/A = Not Applicable

** Onsite = Facility shall keep records on site. Semiannual notification that the required monitoring is being completed as specified shall be submitted to the address specified in condition 4.B.15 in accordance with SC Regulation 61-62.70.6(a)(3)(iii)(A).

B. MONITORING AND REPORTING CONDITIONS (F-Area)

Condition Number	Conditions
f6.B.1	Effluent flow shall be continuously monitored with a multiple point flow measurement system. The flow measurement system shall be initially certified in accordance with the provision of 40 CFR 52 Appendix E within ninety (90) days of startup for a new source, restart of an existing source or hot wire anemometer installation for an existing source. A report shall be submitted in accordance with condition 10 of this section within thirty (30) days after the certification test.
f6.B.2	On a semiannual basis, the permittee shall perform and report to the BAQ results of continuous measurement system performance tests. The permittee shall verify the continuous gas volumetric flow rate measurement system performance per Relative Accuracy (RA) test procedures described in Appendix E of 40 CFR 52. Use of alternative methods must have prior approval from the BAQ. This report shall be submitted within thirty (30) days following the end of the system performance test. The continuous measurement system shall be recalibrated when test results are above 10 percent. The permittee will have the option of skipping one semiannual RA test whenever previous test results indicate an RA of less than or equal to 7.5 percent.
f6.B.3	The effluent stream shall be directly monitored continuously with an in-line detector or representative samples of the effluent stream shall be withdrawn continuously from the sampling site following the guidance presented in ANSI N13.1 - 1969, "Guide to Sampling Airborne Radioactive Materials in Nuclear Facilities" (including the guidance presented in Appendix A of ANSI N13.1). Alternative monitoring/sampling methods may be used with BAQ approval. Single point sampling using shrouded probe technology has been approved by US EPA subject to specified criteria defined in the approval letter from US EPA (Reference letter from M.D. Nichols to R.F. Pelletier dated 11/21/94).
f6.B.4	To determine compliance with the standard, radionuclide emissions shall be determined and effective dose equivalent values to members of the public calculated using US EPA approved sampling procedures, computer models CAP-88, or other procedures for which US EPA has granted prior approval. The permittee shall submit an annual report to US EPA headquarters, to US EPA Region IV and to the address specified in condition 4.B.26 by June 30 which includes the results of the monitoring and the dose calculations for the previous calendar year.
f6.B.5	The permittee shall follow the QAPP initially approved by the US EPA in February 1993 and as subsequently amended. The US EPA has determined that this plan meets the performance requirements as outlined in 40 CFR 61, Appendix B, Method 114, Section 4. Amendment requirements and procedures are outlined in the QAPP.
f6.B.6	Radionuclides shall be collected and measured using procedures based on the principles of measurement described in 40 CFR Part 61, Appendix B Method 114. Use of methods based on principles of measurement different from those described in Appendix B, Method 114 must have prior approval from the BAQ. EPA retains the right to approve the use of methods based on principles of measurement different from those described in Appendix B, Method 114.
f6.B.7	<Void>
f6.B.8	<Void>
f6.B.9	All notifications, reports, and correspondence with respect to NESHAP-radionuclide emissions and information shall be submitted to the address specified in condition 4.B.26, and correspondence that does contain classified data shall be retained on file at the Savannah River Site. The BAQ Division Director of Air Toxics, Emissions Inventory and Modelingshall be notified when documents containing classified data are placed on file so that arrangements can be made for a properly cleared representative to review the material as necessary.

PART 5.0g EMISSION UNIT REQUIREMENTS (G-Area)

A. EMISSION UNIT DESCRIPTION (G-Area)

Table 5.1 is a description of emission units located in G-Area.

TABLE 5.1 EMISSION UNITS (G-Area)		
Unit ID	**Unit Description**	**Control Device Description**
G-001	**VOID** - 654-G Emergency Diesel Generator	None
G-002	**VOID** - Soil Vapor Extraction (SVE) units in the Chemicals, Metals and Pesticides (CMP) Pits	None
G-003	**VOID** - 683-3G Mobile Soil Vapor Extraction Unit	None
G-004	Soil Vapor Extraction Units (SVEU)	None

B. CONTROL DEVICE DESCRIPTION (G-Area)

No control devices located in G-Area.

C. EQUIPMENT DESCRIPTION (G-Area)

A description of the equipment located in G-Area is provided in the following tables:

TABLE 5.2 **UNIT ID G-001 - VOID**

TABLE 5.3 **UNIT ID G-002 – VOID**

TABLE 5.4 **UNIT ID G-003 - VOID**

TABLE 5.5 UNIT ID G-004 - Soil Vapor Extraction Units				
Equipment ID	**Equipment Description**	**Installation Date**	**Control Device ID**	**Stack ID**
224C	Soil Vapor Extraction Unit	10/1999	None	CEP0001
288G	683-1G Soil Vapor Extraction Unit B (SVE-B) exhausting contaminated vapors at a rate of 1000 scfm	2/2001*	None	GEP0017
289G	683-2G Soil Vapor Extraction Unit C (SVE-C) exhausting contaminated vapors at a rate of 800 scfm	3/2001	None	GEP0018
312G	683-3G Mobile Soil Vapor Extraction exhausting contaminated vapors at 700 scfm	7/2005	None	GEP0031
589M	Soil Vapor Extraction Unit	11/1994	None	MEP0005
321G	Soil Vapor Extraction Unit	7/2006	None	GEP0032
322G	Soil Vapor Extraction Unit	**	None	GEP0032
323G	Soil Vapor Extraction Unit	**	None	GEP0032
324G	Soil Vapor Extraction Unit	**	None	GEP0032
325G	Soil Vapor Extraction Unit	**	None	GEP0032
333G	CMP Air Stripper	2006	None	GEP0032

* Unit began operation in January 2002.

** This unit has not yet been installed construction permit 0080-0041G-CU issued on 07/29/2004 for these.

D. EMISSION LIMITS AND STANDARDS (G-Area)

Table 5.5 contains a summary of emission limits & standards for emission units located in G-Area.

TABLE 5.5 EMISSION LIMITS AND STANDARDS (G-Area)						
Unit ID	**Pollutant**	**Limit/ Standard**	**Reference Method**	**Regulation**	**State Only**	**Condition Number**
G-004	Opacity	20%	9	SC Regulation 61-62.5, Std 4, Sect. IX	No	g5.E.1

The maximum allowable emission limits above are derived from the various Federal and State regulations that govern the operation of this type of source. All applicable emission limits and corresponding regulations are listed above. Additional operating requirements which may be more stringent than those above are contained in Part 4.0 and Part 7.0 of this permit or Part 6.0 in this Area-specific section of this permit.

E. EMISSION UNIT CONDITIONS (G-Area)

Condition Number	Conditions
g5.E.1	In accordance with SC Regulation 61-62.5, Standard No. 4 - Emissions from Process Industries, Section IX - Visible Emissions (Where Not Specified Elsewhere), where construction or modification began after December 31, 1985, emissions (including fugitive emissions) shall not exhibit an opacity greater than 20%.

PART 6.0g MONITORING AND REPORTING REQUIREMENTS (G-Area)

[SC Regulation 61-62.1, Section II]; [SC Regulation 61-62.70.6(a)(3)(i)(B)]

A. MONITORING AND REPORTING (G-Area)

Table 6.1 contains summaries of the monitoring and reporting required of G-Area.

TABLE 6.1 MONITORING AND REPORTING (G-Area)						
Unit ID	**Pollutant/ Parameter**	**Limit**	**Required Monitoring**	**Monitoring Frequency**	**Reporting Frequency**	**Condition Number**
G-004	VOC Emissions	$\leq$ 39.9 TPY*	Recordkeeping	Monthly	Quarterly	g6.B.1 through g6.B.6
G-004	VOC Emissions	N/A	VOC Sampling	Refer to Condition	Refer to Condition	g6.B.1 through g6.B.6

*12-month rolling sum

B. MONITORING AND REPORTING CONDITIONS (G-Area)

Condition Number	Conditions
g6.B.1	Savannah River Site shall determine the VOC emissions from these sources as follows: a. For measured emissions for the measured constituents are greater than or equal to 70% of the maximum potential emissions for that unit, then sampling is performed on a monthly basis. b. For measured emissions for the constituents are less than or equal to 69% of the maximum potential emissions for that unit, then sampling is performed every other month (bimonthly). c. For measured emissions for measured constituents are less than or equal to 49% of the maximum potential emissions for that unit, then sampling is performed on a quarterly basis. d. For measured emissions for measured constituents are less than or equal to 29% of the maximum potential emissions for that unit, then sampling is performed on a semi annually basis. Then use this data to calculate a twelve (12) month rolling sum for that month in order to ensure compliance with these sources' total VOC limit of less than or equal to 9.11 lb/hr and 39.9 TPY. A quarterly report summarizing the monthly VOC emissions, the monitoring frequency of the measured constituents, and associated twelve (12) month rolling sum shall be submitted to the address listed below, postmarked no later than thirty (30) calendar days after the end of the reporting period. The following factors used to determine the lb/hr and TPY limits shall be included in the report: Stack and/or water sampling results, hours of operation, and system flow rates for air and/or water. All submittals required by this condition shall be sent to following address: Manager, Technical Management Section, SC DHEC – BAQ, 2600 Bull Street, Columbia, SC 29201.
g6.B.2	The air and water sampling will be performed utilizing an approved Modified Method 18 (air) – Measurement of Gaseous Organic Compound Emissions by Gas Chromatography (See A.A. Gibson letter to M.B. Hughes, dated 03/08/2004); Method 8260B (water) – Measurement of VOCs by Gas Chromatography/Mass Spectrometry. Air and water sampling frequencies shall be completed once per month in order to re-evaluate the validity of the emission factor. In addition the facility shall perform an annual air audit sample analysis by March 31 and submit those results to the Manager of the Source Evaluation Section, Bureau of Air Quality. If the facility desires to change the technique or the frequency of the technique used to calculate the relevant emission factor, it will be necessary to revise the permit through the permit modification procedures found at SC Regulation 61-62.70.7.
g6.B.3	Prior to the startup of each SVEU listed in ID G-004, the Manager of the Source Evaluation Section, BAQ, shall be notified in writing of the specific sampling protocol, as described in condition g6.B.2, which shall be performed on these units. This sampling protocol, with appropriate supporting documentation, shall be submitted to the following address: Manager, Source Evaluation Section, SC DHEC - BAQ, 2600 Bull Street, Columbia, SC 29201. If the sampling protocol is the same as other SVEU units in operation, that have protocols already approved by the Source Evaluation Section, a letter stating this may be sent in lieu of the sampling protocol.
g6.B.4	All records and calculations shall be kept onsite for a period of five (5) years and made available to Department personnel upon request. Any alterations which may affect the nature of VOC emissions from this source must be approved by the Bureau and may need to be incorporated into the permit as set forth in SC Regulation 61-62.70.7.
g6.B.5	No more than ten (10) portable soil vapor extraction units may be operated at one time. These emission units shall not be operated within 600 feet of the Savannah River Site's boundary. (State Only)

Condition Number	Conditions
g6.B.6	Prior to the startup and/or movement of any one of these ten (10) portable soil vapor extraction units. The Director of Engineering Services Division and the local Regional EQC Office shall be notified of the status/placement of these units.

PART 5.0h EMISSION UNIT REQUIREMENTS (H-Area)

A. EMISSION UNIT DESCRIPTION (H-Area)

Table 5.1 is a description of emission units in H-Area.

TABLE 5.1 EMISSION UNITS (H-Area)		
Unit ID	**Unit Description**	**Control Device Description**
H-001	H Canyon	**HEPA Filters:** H097, H098 & H099; **Sand Filters:** N002 & N003
H-002	HB Line	**Sand Filters:** N002 & N003
H-003	**VOID** - 254-5H Production Diesel Tank #2; NSPS Subpart Kb	None
H-004	**VOID** - 254-5H Production Diesel Tank #1; NSPS Subpart Kb	None
H-005	**VOID** - 232-H Lines I and II	**Adsorber (VOID):** D026
H-006	**VOID** - 232-H Line III	**HEPA Filters (VOID):** H775, H776, P101 & P102
H-007	**VOID** - 234-H Reservoir Handling	**Adsorber (VOID):** D032
H-008	**VOID** - 238-H Reclamation Facility	None
H-009	**VOID** - 233-H Loading Facility (LF)	**Adsorber (VOID):** D044
H-010	**VOID -** 261-H Consolidated Incinerator Facility (CIF) (Non-Functional – Retired In Place)	**HEPA Filter (VOID):** H997; **Scrubber (VOID)::** S100 (Non-Functional – Retired In Place)
H-011	**VOID** - 262-H Fuel Oil Tank; NSPS Subpart Kb	None
H-012	**VOID** - 607-33H Storage Tanks; NSPS Subpart Kb	**HEPA Filter (VOID):** P055
H-013	**VOID** - 242-25H Replacement HLW Evaporator	**HEPA Filters (VOID):** P058, P059 & P060
H-014	**VOID** - 221-H Emergency Diesel Generator	None
H-015	211-H Nitric Acid Tanks	None
H-016	284-H Stoker Boiler #1	**Cyclones:** C015 & C016
H-017	284-H Stoker Boiler #2	**Cyclones:** C017 & C018
H-018	284-H Stoker Boiler #3	**Cyclones:** C019 & C020
H-019	254-19H Production Diesel Engine #1	None
H-020	254-19H Production Diesel Engine #2	None
H-021	**VOID** - 200-H Emergency Diesel Generator	None

B. CONTROL DEVICE DESCRIPTION (H-Area)

Table 5.2 is a description of control devices located in H-Area.

TABLE 5.2 CONTROL DEVICES (H-Area)			
Control Device ID	**Control Device Description**	**Installation Date**	**Pollutant(s) Controlled**
H097	HEPA Filter	1/1955	Radionuclides
H098	HEPA Filter	1/1955	Radionuclides
H099	HEPA Filter	1/1955	Radionuclides
N002	Sand Filter	1/1953	Radionuclides
N003	Sand Filter	12/1976	Radionuclides
H997	**VOID** - HEPA Filter	5/1995	Radionuclides

TABLE 5.2 CONTROL DEVICES (H-Area)			
Control Device ID	**Control Device Description**	**Installation Date**	**Pollutant(s) Controlled**
S100	**VOID** - Scrubber, Cyclonic	6/1995	PM, SOx, Cl_2, & HCl
P055	**VOID** - HEPA Filter	8/1995	PM, SOx, Cl_2, & HCl
C015	Cyclone	7/1975	PM
C016	Cyclone	7/1975	PM
C017	Cyclone	7/1975	PM
C018	Cyclone	7/1975	PM
C019	Cyclone	7/1975	PM
C020	Cyclone	7/1975	PM

C. EQUIPMENT DESCRIPTION (H-Area)

A description of the equipment located in H-Area is provided in the following tables:

TABLE 5.3 UNIT ID H-001 - H Canyon Process				
Equipment ID	**Equipment Description**	**Installation Date**	**Control Device ID**	**Stack ID**
99CH	Dissolving	1/1955	None	HSP0002
01DH	Head End	1/1955	N002 & N003	HSP0002
02DH	First Cycle	1/1955	N002 & N003	HSP0002
03DH	Second Uranium Cycle	1/1955	N002 & N003	HSP0002
04DH	Second Neptunium	1/1955	N002 & N003	HSP0002
05DH	Solvent Recovery	1/1955	N002 & N003	HSP0002
06DH	Frames Waste Recovery	1/1955	N002 & N003	HSP0002
07DH	Low Activity Waste	1/1955	N002 & N003	HSP0002
09DH	Acid Recovery	1/1955	N002 & N003	HSP0002
10DH	Rerun	1/1955	N002 & N003	HSP0002
12DH	GP Evaporator	1/1955	N002 & N003	HSP0002
20DH	Cold Feed, 3rd Level	1/1955	N002 & N003	HSP0002
21DH	Canyon Cell Exhaust	1/1955	H097, H098 & H099	HSP0002
22DH	Sump Exhaust	1/1955	N002 & N003	HSP0002
23DH	Water Handling	1/1955	N002 & N003	HSP0002
24DH	EU System	1/1955	N002 & N003	HSP0002

TABLE 5.4 UNIT ID H-002 - HB Line				
Equipment ID	**Equipment Description**	**Installation Date**	**Control Device ID**	**Stack ID**
14DH	HBL Scrap Recovery	1/1985	N002 & N003	HSP0002
15DH	HBL Neptunium Oxide	1/1985	N002 & N003	HSP0002
16DH	HBL Plutonium Oxide	1/1985	N002 & N003	HSP0002
17DH	HBL (New) Process Rooms	1/1985	N002 & N003	HSP0002

TABLE 5.5 **UNIT IDs H-003 & H-004**

TABLE 5.6 **UNIT ID H-005 - VOID**

TABLE 5.7 **UNIT ID H-006 - VOID**

TABLE 5.8 UNIT ID H-007 - VOID

TABLE 5.9 UNIT ID H-008 - VOID

TABLE 5.10 UNIT ID H-009 – VOID

TABLE 5.11 UNIT ID H-010- VOID

TABLE 5.12 UNIT ID H-011 – VOID

TABLE 5.13 UNIT ID H-012 - VOID

TABLE 5.14 UNIT ID H-013 – VOID

TABLE 5.15 UNIT ID H-014 - VOID

TABLE 5.16 UNIT ID H-015 - Nitric Acid Tanks (211-H)

Equipment ID	Equipment Description	Installation Date	Control Device ID	Stack ID
770H	Nitric Acid Storage Tank 32 (64%, 17,700 Gal)	1/1953	None	HST0036
772H	Nitric Acid Storage Tank 33 (51%, 17,700 Gal)	1/1953	None	HST0036
773H	Nitric Acid Storage Tank 34 (51%, 17,700 Gal)	1/1953	None	HST0036
774H	Nitric Acid Storage Tank 35 (51%, 17,700 Gal)	1/1953	None	HST0036

TABLE 5.17 UNIT IDs H-016 thru H-018 - Stoker Boilers

Equipment ID	Equipment Description	Installation Date	Control Device ID	Stack ID
234H	71.7 X 10^6 BTU/hr Coal Fired Stoker Boiler	1/1953	C015 & C016	HPF0001
235H	71.7 X 10^6 BTU/hr Coal Fired Stoker Boiler	1/1953	C017 & C018	HPF0001
239H	71.7 X 10^6 BTU/hr Coal Fired Stoker Boiler	1/1955	C019 & C020	HPF0002

TABLE 5.18 UNIT IDs H-019 & H-020 - Production Diesels (254-19H)

Equipment ID	Equipment Description	Installation Date	Control Device ID	Stack ID
92EH	Diesel Generator (800kW)	8/2000	None	HSE0012
93EH	Diesel Generator (800kW)	8/2000	None	HSE0013

TABLE 5.19 UNIT ID H-021 - VOID

D. EMISSION LIMITS AND STANDARDS (H-Area)

Table 5.20 contains summaries of emission limits and standards for emission units in H-Area.

***TABLE 5.20* EMISSION LIMITS AND STANDARDS (H-Area)**

Unit ID	Pollutant/ Parameter	Limit/ Standard	Reference Method	Regulation	State Only	Condition Number
H-001, H-002	PM/Opacity	See condition	See condition	SC Regulation 61-62.5, Standard 4	No	4.B.30
H-001, H-002, H-015 thru H-018	Opacity	40%	9	SC Regulation 61-62.5, Std. 4, Sect. IX	No	h5.E.1
H-019 thru H020	Opacity	20%	9	SC Regulation 61-62.5, Std. 4, Sect. IX	No	h5.E.2
H-016 thru H-018	Opacity	40%	9	SC Regulation 61-62.5 Std. 1, Sect. I	No	h5.E.9
H-016 thru H-018	PM	0.6 lb/10^6 BTU	5	SC Regulation 61-62.5, Std. 1, Sect. II	No	h5.E.10
H-016 thru H-018	SO_2	3.5 lb/10^6 BTU	6	SC Regulation 61-62.5, Std. 1, Sect. III	No	h5.E.11

The maximum allowable emission limits above are derived from the various Federal and State regulations that govern the operation of this type of source. All applicable emission limits and corresponding regulations are listed above. Additional operating requirements which may be more stringent than those above are contained in Part 4.0 and Part 7.0 of this permit or Part 6.0 in this Area-specific section.

E. EMISSION UNIT CONDITIONS (H-Area)

Condition Number	Conditions
h5.E.1	In accordance with SC Regulation 61-62.5, Standard No. 4 - Emissions from Process Industries, Section IX - Visible Emissions (Where Not Specified Elsewhere), where construction or modification began on or before December 31, 1985, emissions (including fugitive emissions) shall not exhibit an opacity greater than 40%.
h5.E.2	In accordance with SC Regulation 61-62.5, Standard No. 4 - Emissions from Process Industries, Section IX - Visible Emissions (Where Not Specified Elsewhere), where construction or modification began after December 31, 1985, emissions (including fugitive emissions) shall not exhibit an opacity greater than 20%.
h5.E.3 thru h5.E.8	<Void>

Condition Number	Conditions
h5.E.9	The stoker boilers shall not discharge into the ambient air smoke which exceeds an opacity of 40%. The forty (40) percent opacity limit may be exceeded for sootblowing, but may not be exceeded for more than six (6) minutes in a one hour period nor be exceeded for more than a total of twenty-four (24) minutes in a twenty-four (24) hour period. Emissions caused by sootblowing shall not exceed sixty (60) percent opacity. The opacity standards set forth above do not apply during startup, shutdown or malfunction. The owner/operator shall, to the extent practicable, maintain and operate any source including associated air pollution control equipment in a manner consistent with good air pollution control practices for minimizing emissions. The owner/operator shall, for a period of at least five (5) years maintain a log of the time, magnitude, duration and any other pertinent information to determine periods of startup and shutdown and make these records available to a Department representative upon request.
h5.E.10	The allowable discharge of particulate matter (PM) resulting from fuel burning emission units shall be limited to 0.6 lb/10^6 BTU.
h5.E.11	The maximum allowable sulfur dioxide (SO_2) emission from fuel burning emission units located in a Class II Area shall not exceed 3.5 lb/10^6 BTU.

PART 6.0h MONITORING AND REPORTING REQUIREMENTS (H-Area)

[SC Regulation 61-62.1, Section II]; [SC Regulation 61-62.70.6(a)(3)(i)(B)]

A. MONITORING AND REPORTING

Table 6.1 contains summaries of the monitoring and reporting required of H-Area.

***TABLE 6.1* MONITORING AND REPORTING (H-Area)**

Unit ID	Pollutant/ Parameter	Limit	Required Monitoring	Monitoring Frequency	Reporting Frequency	Condition Number
H-001, H-002	Effluent Flow Rates	N/A	Continuous Monitor	Continuous	Refer to condition	h6.B.1
H-001, H-002	Relative Accuracy (RA)	N/A	Performance Test	Semiannual	Refer to condition	h6.B.2
H-001, H-002	Radionuclides	N/A	Continuous Monitor	Continuous	Onsite**	h6.B.3
H-001, H-002	Radionuclides	10 mrem/yr	Computer Model	Annual	By June 30	h6.B.4 & 4.B.12
H-001, H-002	Radionuclides	N/A	QAPP	Refer to condition		h6.B.5 & h6.B.6
H-016 thru H-018	PM	0.6 lb/10^6 BTU	Source Test	Biennial	Refer to condition	h6.B.31
H-016 thru H-018	SO_2	3.5 lb/10^6 BTU	Source Test	Biennial	Refer to condition	h6.B.31
H-016 thru H-018	Opacity	40%	Source Test	Biennial	Refer to condition	h6.B.31
H-016 thru H-018	Fuel Type	Refer to condition				h6.B.32 & h6.B.33
H-016 thru H-018	Startup and Shutdown	N/A	Recordkeeping	Refer to condition	Onsite**	h6.B.34
H-019 thru H-020	Fuel Oil Usage	As specified	Recordkeeping	See conditions	Onsite**	h6.B.35 4.B.25

TABLE 6.1 MONITORING AND REPORTING (H-Area)						
Unit ID	**Pollutant/ Parameter**	**Limit**	**Required Monitoring**	**Monitoring Frequency**	**Reporting Frequency**	**Condition Number**
H-016 thru H-018	Cyclone performance	N/A	Recordkeeping	Annual	See condition	4.B.24
H-016 thru H-020	Visible Emissions	N/A	Recordkeeping	Daily	Semiannual	7.A.1

* N/A = Not Applicable

** Onsite = Facility shall keep records on site. Semiannual notification that the required monitoring is being completed as specified shall be submitted to the address specified in condition 4.B.15 in accordance with SC Regulation 61-62.70.6(a)(3)(iii)(A).

B. MONITORING AND REPORTING CONDITIONS (H-Area)

Condition Number	Conditions
h6.B.1	Effluent flow shall be continuously monitored with a multiple point flow measurement system. The flow measurement system shall be initially certified in accordance with the provision of 40 CFR 52 Appendix E within ninety (90) days of startup for a new source, restart of an existing source, or installation onto an existing source. A report shall be submitted in accordance with condition 36 of this section within thirty (30) days after the certification test.
h6.B.2	On a semiannual basis, the permittee shall perform and report to the BAQ results of continuous measurement system performance tests. The permittee shall verify the continuous gas volumetric flow rate measurement system performance per Relative Accuracy (RA) test procedures described in Appendix E of 40 CFR 52. Use of alternative methods must have prior approval from the BAQ (Unit ID H-009 is approved to use tracer gas methods in place of US EPA Method 2). Pursuant to DHEC Letter dated 11/29/95 to M. D. Dukes, SRS shall be granted approval to use process knowledge for waste characterization rather than sampling and analysis of heterogeneous solid waste. The semiannual report shall be submitted within thirty (30) days following the end of the system performance test. The continuous measurement system shall be recalibrated when test results are above 10 percent. The permittee will have the option of skipping one semiannual RA test whenever previous test results indicate an RA of less than or equal to 7.5 percent.
h6.B.3	The effluent stream shall be directly monitored continuously with an in-line detector or representative samples of the effluent stream shall be withdrawn continuously from the sampling site following the guidance presented in ANSI N13.1 - 1969, "Guide to Sampling Airborne Radioactive Materials in Nuclear Facilities" (including the guidance presented in Appendix A of ANSI N13.1). Alternative monitoring/sampling methods may be used with BAQ approval. Single point sampling using shrouded probe technology has been approved by US EPA subject to specified criteria defined in the approval letter from US EPA (Reference letter from M.D. Nichols to R.F. Pelletier dated 11/21/94).
h6.B.4	To determine compliance with the standard, radionuclide emissions shall be determined and effective dose equivalent values to members of the public calculated using US EPA approved sampling procedures, computer models CAP-88, or other procedures for which US EPA has granted prior approval. The permittee shall submit an annual report to US EPA headquarters, to US EPA Region IV and to the address specified in condition 4.B.26 by June 30 which includes the results of the monitoring and the dose calculations for the previous calendar year.
h6.B.5	The permittee shall follow the QAPP initially approved by the US EPA in February 1993 and as subsequently amended. The US EPA has determined that this plan meets the performance requirements as outlined in 40 CFR 61, Appendix B, Method 114, Section 4. Amendment requirements and procedures are outlined in the QAPP.

<table>
<tr><th>Condition Number</th><th>Conditions</th></tr>
<tr><td>h6.B.6</td><td>Radionuclides shall be collected and measured using procedures based on the principles of measurement described in 40 CFR Part 61, Appendix B Method 114. Use of methods based on principles of measurement different from those described in Appendix B, Method 114 must have prior approval from the BAQ. EPA retains the right to approve the use of methods based on principles of measurement different from those described in Appendix B, Method 114.</td></tr>
<tr><td>h6.B.7 thru h6.B.30</td><td><Void></td></tr>
<tr><td>h6.B.31</td><td>Every two (2) years the permittee shall schedule tests for PM, SO_2 and opacity to demonstrate compliance with the standard. All tests shall be made by, or under the direction of, a person qualified by training and/or experience in the field of air pollution testing. All tests shall be conducted while the emission unit is operating at the expected maximum production rate or other production rate or operating conditions which would result in the highest emissions. Any production rate less than rated capacity may result in production limitations. The Manager of the Source Evaluation Section shall be notified at least two (2) weeks prior to conducting the stack test. Both the initial notification prior to testing and the final test reports must be submitted to the address specified in condition 4.B.27. The latter shall be submitted no later than thirty (30) days after the completion of on-site testing.</td></tr>
<tr><td>h6.B.32</td><td>The H-Area boilers are permitted to burn only coal with sulfur content less than or equal to 2.0% as fuel. Coal sulfur content shall be documented for all coal burned in the subject boilers. This shall be obtained by pulling a composite sample of coal being fed into the plant once per week and the samples analyzed by a laboratory. Records of coal sulfur content analyses shall be maintained on site for a period of at least five (5) years and shall be made available to a Department representative upon request. The use of any other substances as fuel is prohibited without prior written approval from the BAQ.</td></tr>
<tr><td>h6.B.33</td><td>Semiannual reports shall be submitted to the address specified in condition 4.B.15 postmarked no later than thirty (30) calendar days after the end of the reporting period. The report shall include a summary of relevant information obtained from the lab analyses performed as a result of the requirements set forth in condition 32 of this section.</td></tr>
<tr><td>h6.B.34</td><td>The permittee shall maintain a log of the time, magnitude, duration and any other pertinent information to determine periods of startup and shutdown and make such information available to the BAQ upon request.</td></tr>
<tr><td>h6.B.35</td><td>This diesel powered equipment shall comply with the facility wide limit as specified in condition 4.B.25. Records of fuel usage shall be maintained onsite and shall be made readily available to Department personnel upon request. Annual fuel usage rates for the non-exempt units in H-Area are not expected to exceed the following:
<table>
<tr><th>SRS ID</th><th>DESCRIPTION</th><th>BLDG</th><th>GAL/YR</th></tr>
<tr><td>HSE0009</td><td>1000 kW Emergency Diesel Generator</td><td>221-H</td><td>18,250</td></tr>
<tr><td>HSE0012</td><td>800 kW Production Diesel Generator</td><td>254-19H</td><td>287,220</td></tr>
<tr><td>HSE0013</td><td>800 kW Production Diesel Generator</td><td>254-19H</td><td>287,220</td></tr>
<tr><td>HSE0014</td><td>900 kW Emergency Diesel Generator</td><td>200-H</td><td>16,900</td></tr>
</table>
For units in excess of the allotted values as presented above, Savannah River Site shall clearly document the reason for each exceedance in the semiannual report required by condition 4.B.25. Under no circumstances shall the annual facility wide limit established by this condition be exceeded without first obtaining construction permits from the BAQ.</td></tr>
<tr><td>h6.B.36</td><td>All notifications, reports, and correspondence with respect to NESHAP-radionuclide emissions and information shall be submitted to the address specified in condition 4.B.26, and correspondence that does contain classified data shall be retained on file at the Savannah River Site. The BAQ Division Director of Air Toxics, Emissions Inventory and Modeling shall be notified when documents containing classified data are placed on file so that arrangements can be made for a properly cleared representative to review the material as necessary.</td></tr>
</table>

Condition Number	Conditions
h6.B.37	<Void>
h6.B.38	<Void>
h6.B.39	<Void>
h6.B.40	<Void>
h6.B.41	<Void>
h6.B.42	<Void>

PART 5.0k EMISSION UNIT REQUIREMENTS (K-Area)

A. EMISSION UNIT DESCRIPTION (K-Area)

Table 5.1 is a description of emission units in K-Area.

TABLE 5.1 EMISSION UNITS (K-Area)		
Unit ID	**Unit Description**	**Control Device Description**
K-001	76.8 X 10^6 BTU/hr 184-10K Package Boiler; **NSPS Subpart Dc**	None
K-002	38.0 X 10^6 BTU/hr 184-10K Package Boiler; **NSPS Subpart Dc**	None
K-003	**VOID** - 184-2K Diesel Fuel Tank #1; **NSPS Subpart Kb**	None
K-004	**VOID** - 184-2K Diesel Fuel Tank #2; **NSPS Subpart Kb**	None

B. CONTROL DEVICE DESCRIPTION (K-Area)

There are no control devices on the emission units in K-Area at this time.

C. EQUIPMENT DESCRIPTION (K-Area)

A description of the equipment located in K-Area is provided in the following tables:

TABLE 5.2 UNIT IDs K-001 through K-004				
Equipment ID	**Equipment Description**	**Installation Date**	**Control Device ID**	**Stack ID**
131K	76.8 x 10^6 BTU/hr #2 Fuel Oil Fired Package Boiler	11/1990	None	KPF0002
200K	38.0 x 10^6 BTU/hr #2 Fuel Oil Fired Package Boiler	1/1992	None	KPF0003
239K	**VOID** - Diesel Fuel Tank (30,000 Gallons)	1/1993	None	KPT0017
238K	**VOID** - Diesel Fuel Tank (30,000 Gallons)	1/1993	None	KPT0018

D. EMISSION LIMITS AND STANDARDS (K-Area)

Table 5.3 contains summaries of emission limits and standards for emission units in K-Area.

TABLE 5.3 EMISSION LIMITS AND STANDARDS (K-Area)						
Unit ID	**Pollutant**	**Limit/ Standard**	**Reference Method**	**Regulation**	**State Only**	**Condition Number**
K-001 & K-002	PM	0.6 lb/10^6 BTU	5	SC Regulation 61-62.5 Std. 1, Sect. II	No	k.E.1
K-001 & K-002	SO_2	0.5 lb/10^6 BTU	6 or 6c	40 CFR 60 Subpart Dc	No	k.E.1
K-001 & K-002	Sulfur content	$\leq$ 0.5%	6 or 6c	40 CFR 60 Subpart Dc	No	k.E.1

TABLE 5.3 EMISSION LIMITS AND STANDARDS (K-Area)						
Unit ID	**Pollutant**	**Limit/ Standard**	**Reference Method**	**Regulation**	**State Only**	**Condition Number**
K-001 & K-002	Opacity	20%	9	SC Regulation 61-62.5 Std. 1, Sect. I	No	k.E.2

The maximum allowable emission limits above are derived from the various Federal and State regulations that govern the operation of this type of source. All applicable emission limits and corresponding regulations are listed above. Additional operating requirements which may be more stringent than those above are contained in Part 4.0 or Part 7.0 of this permit or Part 6.0 in this Area-specific section.

E. EMISSION UNIT CONDITIONS (K-Area)

Condition Number	Conditions
k5.E.1	The package boilers are subject to New Source Performance Standards (NSPS), 40 CFR 60 subparts A - General Provisions and Dc - Small Industrial, Commercial, Institutional Steam Generating Units, for which Construction, Reconstruction or Modification Commenced after June 9, 1989 as applicable. The maximum allowable sulfur dioxide (SO_x) emission from these units shall not exceed 3.5 lb/10^6 BTU. In accordance with 40 CFR 60 Subpart Dc, the permittee shall not combust oil in these emission units that contains greater than 0.5 weight percent sulfur *(40 CFR 60.42c(d))*. In accordance with SC Regulation 61-62.5, Standard I, Section II, the allowable discharges of particulate matter (PM) resulting from fuel burning emission units shall be limited to 0.6 lb/10^6 BTU.
k5.E.2	The boilers shall not discharge into the ambient air smoke which exceeds an opacity of 20%. The twenty (20) percent opacity limit may be exceeded for sootblowing, but may not be exceeded for more than six (6) minutes in a one hour period nor be exceeded for more than a total of twenty-four (24) minutes in a twenty-four (24) hour period. As per 40 CFR 60.43c(c) this facility shall at no time exhibit an opacity greater then 20% (6-minute average), except for one 6-minute period per hour of not more than 27% opacity. The opacity standards set forth above do not apply during startup, shutdown or malfunction. Savannah River Site shall, to the extent practicable, maintain and operate any source including associated air pollution control equipment in a manner consistent with good air pollution control practices for minimizing emissions. The owner/operator shall, for a period of at least five (5) years maintain a log of the time, magnitude, duration and any other pertinent information to determine periods of startup and shutdown and make these records available to a Department representative upon request.

PART 6.0k MONITORING AND REPORTING REQUIREMENTS (K-Area)

[SC Regulation 61-62.1, Section II]; [SC Regulation 61-62.70.6(a)(3)(i)(B)]

A. MONITORING AND REPORTING (K-Area)

Table 6.1 contains summaries of the monitoring and reporting required of K-Area.

TABLE 6.1 MONITORING AND REPORTING (K-Area)						
Unit ID	**Pollutant/Parameter**	**Limit**	**Required Monitoring**	**Monitoring Frequency**	**Reporting Frequency**	**Condition Number**
K-001 & K-002	Fuel Oil Certification	$\leq$ 0.5% sulfur (by weight)	Recordkeeping	Per shipment	Annual	k6.B.1
K-001 & K-002	Visible Emissions	N/A	Recordkeeping	Daily	Semiannual	7.A.1

N/A = Not Applicable

B. MONITORING AND REPORTING CONDITIONS (K-Area)

Condition Number	Conditions
k6.B.1	All boilers in the tables above are permitted to burn only #2 fuel oil as a fuel. The use of any other substances as fuel is prohibited without prior written approval from the Bureau of Air Quality. Fuel oil sulfur content shall be less than or equal to 0.5% percent by weight. Acceptable fuel oil certification can be ensured by following Department guidance entitled "Guidance for Fuel Oil Certifications" issued on May 19, 2000 and any subsequent revisions. Fuel supplier certification shall consist of (a) the name of the oil supplier, and (b) a statement from the oil supplier that the oil complies with the specifications for fuel oil #2, as defined by the American Society for Testing Materials in ASTM Method D396-98. Annual reports of fuel oil certification, including all recorded parameters and calculated values, shall be submitted to the address specified in condition 4.B.15 postmarked no later than 30 calendar days after the end of the reporting period. A letter summarizing all batches of oil received on an annual basis from the site fuel oil supplier stating that all the #2 fuel oil supplied to the site will meet the specifications stated above will satisfy the documentation and reporting requirement.

PART 5.0l EMISSION UNIT REQUIREMENTS (L-Area)

No emission units are located in L-Area at this time. See Attachment B for a list of Insignificant Activities located in L-Area.

PART 6.0l MONITORING AND REPORTING REQUIREMENTS (L-Area)

[SC Regulation 61-62.1, Section II]; [SC Regulation 61-62.70.6(a)(3)(i)(B)]

No monitoring, reporting or recordkeeping is required in L-Area at this time. See Attachment B for a list of Insignificant Activities located in L-Area.

PART 5.0m EMISSION UNIT REQUIREMENTS (M-Area)

A. EMISSION UNIT DESCRIPTION (M-Area)

Table 5.1 is a description of emission units located in M-Area.

TABLE 5.1 **EMISSION UNITS (M-Area)** (Revised 7/3/03)

Unit ID	Unit Description	Control Device Description
M-001	**VOID** – 782-4M Soil Vapor Extraction Unit	None
M-002	**VOID** – 782-7M Soil Vapor Extraction Unit	None
M-003	**VOID** – 782-3M Soil Vapor Extraction Unit	None
M-004	**VOID** – 782-6M Soil Vapor Extraction Unit	None
M-005	323-M-1 Groundwater Air Stripper	None
M-006	A-02 320 GPM Air Stripper	None
M-007	Western Sector DUS Extraction System	None

B. CONTROL DEVICE DESCRIPTION

There are no control devices on the emissions units located in M-Area at this time.

C. EQUIPMENT DESCRIPTION (M-Area)

A description of the equipment located in M-Area is provided in the following tables:

TABLE 5.2 **UNIT IDs M-001 thru M-006 - M-Area ERD Units** (Revised 7/3/03)

Equipment ID	Equipment Description	Installation Date	Control Device ID	Stack ID
587M	**VOID** – Soil Vapor Extraction Unit	9/1994	None	MEP0003
588M	**VOID** – Soil Vapor Extraction Unit	9/1993	None	MEP0004
589M	**VOID** – Soil Vapor Extraction Unit	11/1994	None	MEP0005
590M	**VOID** – Soil Vapor Extraction Unit	9/1994	None	MEP2304
529M	610 GPM Groundwater Air Stripper	7/1984	None	MEP2303
271G	320 GPM Air Stripper	2/1996	None	GEP0001

TABLE 5.3 UNIT ID M-007 – Western Sector Dynamic Underground Stripping (DUS)				
Equipment ID	**Equipment Description**	**Installation Date**	**Control Device ID**	**Stack ID**
311G	Soil Vapor Extraction Unit	4/2004	None	GEP0030
611M	782-4M Soil Vapor Extraction Unit	04/2004	None	GEP0030
612M	782-6M Soil Vapor Extraction Unit	04/2004	None	GEP0030

D. EMISSION LIMITS AND STANDARDS (M-Area)

Table 5.4 contains a summary of emission limits & standards for emission units located in M-Area.

TABLE 5.4 EMISSION LIMITS AND STANDARDS (M-Area) (Revised 7/3/03)						
Unit ID	**Pollutant**	**Limit/ Standard**	**Reference Method**	**Regulation**	**State Only**	**Condition Number**
M-006, M-007	Opacity	20%	9	SC Regulation 61-62.5 Std. 4, Sect. IX	No	m5.E.1
M-005	Opacity	40%	9	SC Regulation 61-62.5 Std. 4, Sect. IX	No	m5.E.2

The maximum allowable emission limits above are derived from the various Federal and State regulations that govern the operation of this type of source. All applicable emission limits and corresponding regulations are listed above. Additional operating requirements which may be more stringent than those above are contained in Part 4.0 and Part 7.0 of this permit or Part 6.0 in this Area-specific section.

E. EMISSION UNIT CONDITIONS (M-Area)

Condition Number	Conditions
m5.E.1	In accordance with SC Regulation 61-62.5, Standard No. 4 - Emissions from Process Industries, Section IX - Visible Emissions (Where Not Specified Elsewhere), where construction or modification began after December 31, 1985, emissions (including fugitive emissions) shall not exhibit an opacity greater than 20%.
m5.E.2	In accordance with SC Regulation 61-62.5, Standard No. 4 - Emissions from Process Industries, Section IX - Visible Emissions (Where Not Specified Elsewhere), where construction or modification began on or before December 31, 1985, emissions (including fugitive emissions) shall not exhibit an opacity greater than 40%.

PART 6.0m MONITORING AND REPORTING REQUIREMENTS (M-Area)

[SC Regulation 61-62.1, Section II]; [SC Regulation 61-62.70.6(a)(3)(i)(B)]

A. MONITORING AND REPORTING (M-Area)

Table 6.1 contains summaries of the monitoring and reporting required of M-Area.

TABLE 6.1 **MONITORING AND REPORTING (M-Area)** (Revised 7/3/03)

Unit ID	Pollutant/ Parameter	Limit	Required Monitoring	Monitoring Frequency	Reporting Frequency	Condition Number
M-005, M-006	VOC Emissions	44.69 TPY	Recordkeeping	Monthly	Quarterly	m6.B.1
M-005, M-006	VOC Emissions	N/A	VOC Sampling	See condition		m6.B.2 & m6.B.3
M-007	VOC Emissions	39.4 TPY	Recordkeeping	Monthly	Quarterly	m6.B.4
M-007	VOC Emissions	N/A	VOC Sampling	See condition		m6.B.5 & m6.B.6

N/A = Not Applicable

B. MONITORING AND REPORTING CONDITIONS

Condition Number	Conditions
m6.B.1	Savannah River Site shall determine the VOC emissions from ID's M-005 and M-006 on a monthly basis, then use this data to calculate a twelve (12) month rolling sum for that month in order to ensure compliance with the sources' total VOC limit of 10.2 lb/hr and 44.69 TPY. A quarterly report summarizing the monthly VOC emissions and associated twelve (12) month rolling sum shall be submitted to the address specified in condition 4.B.15 postmarked no later than thirty (30) calendar days after the end of the reporting period. The following factors used to determine the lb/hr and TPY limits shall be included in the report: Stack and/or water sampling results, hours of operation, and system flow rates for air and/or water.
m6.B.2	The air and water sampling will be performed utilizing the following EPA methods: An approved Modified Method 18 (air) – Measurement of Gaseous Organic Compound Emissions by Gas Chromatography (See A.A. Gibson to M.B. Hughes, dated 03/08/2004); Method 8260B (water) – Measurement of VOCs by Gas Chromatography/Mass Spectrometry. Air and water sampling frequencies shall be completed once per month in order to re-evaluate the validity of the emission factor. In addition the facility shall perform an annual air audit sample analysis by march 31 and submit those results to the Manager of the Source Evaluation Section, Bureau of Air Quality. If the facility desires to change the technique or the frequency of the technique used to calculate the relevant emission factor, it will be necessary to revise the permit through the permit modification procedures found at SC Regulation 61-62.70.7.
m6.B.3	Within 30 days after the effective date of this Title V permit, the Manager of the Source Evaluation Section, BAQ, shall be notified of the specific sampling protocol as described in condition 2 of this section. This sampling protocol, with appropriate supporting documentation, shall be submitted to the address specified in condition 4.B.27.

Condition Number	Conditions
m6.B.4	Savannah River Site shall determine the VOC emissions from ID M-007 on a monthly basis, then use this data to calculate a twelve (12) month rolling sum for that month in order to ensure compliance with the sources' total VOC limit of 39.4 TPY. A quarterly report summarizing the monthly VOC emissions and associated twelve (12) month rolling sum shall be submitted to the address specified in condition 4.B.15 postmarked no later than thirty (30) calendar days after the end of the reporting period. The following factors used to determine the lb/hr and TPY limits shall be included in the report: Stack and/or water sampling results, hours of operation, and system flow rates for air and/or water.
m6.B.5	The air sampling will be performed utilizing an approved Modified Method 18 (air) – Measurement of Gaseous Organic Compound Emissions by Gas Chromatography (See A.A. Gibson letter to M.B. Hughes, dated 03/08/2004). Air sampling frequencies shall be completed once per month in order to re-evaluate the validity of the emission factor. In addition the facility shall perform an annual air audit sample analysis by March 31 and submit those results to the Manager of the Source Evaluation Section, Bureau of Air Quality. If the facility desires to change the technique or the frequency of the technique used to calculate the relevant emission factor, it will be necessary to revise the permit through the permit modification procedures found at SC Regulation 61-62.70.7.
m6.B.6	Prior to the startup of facilities in this permit, the Manager of the Source Evaluation Section, BAQ, shall be notified in writing of the specific sampling protocol, as described in condition 5, that shall be performed on these units. This sampling protocol, with appropriate supporting documentation, shall be submitted to the address specified in condition 4.B.27.
m6.B.7	All records and calculations shall be kept onsite for a period of five (5) years and made available to Department personnel upon request. Any alterations which may affect the nature of VOC emissions from this source must be approved by the Bureau and may need to be incorporated into the permit as set forth in SC Regulation 61-62.70.7.

PART 5.0n EMISSION UNIT REQUIREMENTS (N-Area)

A. EMISSION UNIT DESCRIPTION (N-Area)

Table 5.1 is a description of emission units located at N-Area.

TABLE 5.1 **EMISSION UNITS (N-Area)** (Revised 7/3/03)		
Unit ID	**Unit Description**	**Control Device Description**
N-001	725-1N Abrasive Blasting Operations	None
N-002	**VOID** – 420N Portable Diesel Generator SRO 7835	None
N-003	**VOID** – 463N Portable Diesel Generator SRO 7850	None
N-004	**VOID** – 82CN Portable Diesel Generator SRO 2643	None
N-005	**VOID** – 83CN Portable Air Compressor SRO 2644	None
N-006	**VOID** – 76DN Portable Air Compressor SRO 5232	None
N-007	**VOID** – 77DN Portable Air Compressor SRO 5289	None
N-008	**VOID** – 78DN Portable Air Compressor SRO 6933	None
N-009	**VOID** – 32CN Portable Air Compressor SRO 6940	None
N-010	**VOID** – 31CN Portable Air Compressor SRO 6941	None
N-011	**VOID** – 28CN Portable Air Compressor SRO 6945	None
N-012	**VOID** – 50DN Portable Air Compressor SRO 7776	None
N-013	**VOID** – Mobile Air Compressor SRO 1330	None
N-014	**VOID** – Mobile Air Compressor SRO 1334	None
N-015	**VOID** – Mobile Air Compressor SRO 1345	None

TABLE 5.1 EMISSION UNITS (N-Area) (Revised 7/3/03)		
Unit ID	**Unit Description**	**Control Device Description**
N-016	**VOID** – Mobile Air Compressor SRO 1346	None
N-017	**VOID** – Mobile Air Compressor SRO 1347	None
N-018	**VOID** – Mobile Air Compressor SRO 1348	None
N-019	**VOID** – Mobile Air Compressor SRO 1349	None
N-020	**VOID -** Maxigrind Chipper SRO 1308	None
N-021	**VOID** – Portable Diesel Generator SRO 7947	None
N-022	**VOID** – Portable Diesel Generator SRO 7948	None
N-023	**VOID** – Portable Diesel Generator SRO 7949	None
N-024	**VOID** – Portable Diesel Generator SRO 7950	None
N-025	**VOID** – Mobile Emergency Diesel Generator SRO 6455	None
N-026	**VOID** – Mobile Emergency Diesel Generator SRO 5430	None
N-027	**VOID** – Mobile Emergency Diesel Generator SRO 5422	None
N-028	**VOID** – Mobile Diesel Generator SRO 1666	None
N-029	**VOID** – 710-14N Portable Air Compressor SRO 5262	None
N-030	**VOID** – 710-14N Portable Air Compressor SRO 5263	None
N-031	N-Area Mobile Diesel Equipment Pool	None

B. CONTROL DEVICE DESCRIPTION (N-Area)

There are no control devices on the emission units located in N-Area at this time.

C. EQUIPMENT DESCRIPTION (N-Area)

A description of the equipment located at N-Area is provided in the following tables:

TABLE 5.2 UNIT ID N-001 - Abrasive Cleaning				
Equipment ID	**Equipment Description**	**Installation Date**	**Control Device ID**	**Stack ID**
370N	725-1N Abrasive Cleaning Equipment	1/1975	None	NBJ0028

TABLE 5.3 **UNIT IDs N-002 thru N-004 – VOID**

TABLE 5.4 **UNIT IDs N-005 thru N-012 - VOID**

TABLE 5.5 **UNIT IDs N-013 thru N-019 – VOID**

TABLE 5.6 **UNIT ID N-020 - VOID**

TABLE 5.7 **UNIT IDs N-021 thru N-024 - VOID**

TABLE 5.8 **UNIT IDs N-025 thru N-028 – VOID**

TABLE 5.9 **UNIT IDs N-029 & N-030 - VOID**

TABLE 5.10 **UNIT ID N-031 - Mobile Diesel Equipment Pool**

Equipment ID	Equipment Description	Installation Date	Control Device ID	Stack ID
*	N-Area Mobile Diesel Equipment Pool	*	None	*

*Refer to Attachment D for list.

D. EMISSION LIMITS AND STANDARDS (N-Area)

Table 5.11 contains summaries of emission limits and standards for emission units N-Area.

TABLE 5.11 **EMISSION LIMITS AND STANDARDS (N-Area)** (Revised 7/3/03)

Unit ID	Pollutant	Limit/ Standard	Reference Method	Regulation	State Only	Condition Number
N-001	Opacity	40%	9	SC Regulation 61-62.5 Std. 4, Sect. IX	No	n5.E.1
N-001	PM	5.73 lb/hr	5	SC Regulation 61-62.5 Std. 4, Sect. VIII	No	n5.E.2
N-031	Opacity	20%	9	SC Regulation 61-62.5 Std. 4, Sect. IX	No	n5.E.3

The maximum allowable emission limits above are derived from the various Federal and State regulations that govern the operation of this type of source. All applicable emission limits and corresponding regulations are listed above. Additional operating requirements which may be more stringent than those above are contained in Part 4.0 and Part 7.0 of this permit or Part 6.0 in this Area-specific section.

E. EMISSION UNIT CONDITIONS (N-Area)

Condition Number	Conditions
n5.E.1	In accordance with SC Regulation 61-62.5, Standard No. 4 - Emissions from Process Industries, Section IX - Visible Emissions (Where Not Specified Elsewhere), where construction or modification began on or before December 31, 1985, emissions (including fugitive emissions) shall not exhibit an opacity greater than 40%.
n5.E.2	In accordance with SC Regulation 61-62.5, Standard No. 4 - Emissions from Process Industries, Section VIII - Other Manufacturing, particulate matter emissions shall be limited to the rate specified by use of the following equations: For process weight rates less than or equal to 30 tons per hour ($E = 4.10P^{0.67}$); For process weight rates greater than 30 tons per hour ($E = 55.0P^{0.11} - 40$); where, E = the allowable emission rate in pounds per hour, and P = process weight rate in tons per hour. As such, the allowable particulate matter emission limit for the abrasive blasting operation is 5.73 lb/hr at its nominal raw material feed rate of 1.649 tons per hour.

Condition Number	Conditions
n5.E.3	In accordance with SC Regulation 61-62.5, Standard No. 4 - Emissions from Process Industries, Section IX - Visible Emissions (Where Not Specified Elsewhere), where construction or modification began after December 31, 1985, emissions (including fugitive emissions) shall not exhibit an opacity greater than 20%.

PART 6.0n MONITORING AND REPORTING REQUIREMENTS (N-Area)

[SC Regulation 61-62.1, Section II]; [SC Regulation 61-62.70.6(a)(3)(i)(B)]

A. MONITORING AND REPORTING (N-Area)

Table 6.1 contains a summary of the monitoring and reporting required at N-Area.

***TABLE 6.1* MONITORING AND REPORTING (N-Area)** (Revised 7/3/03)

Unit ID	Pollutant/ Parameter	Limit	Required Monitoring	Monitoring Frequency	Reporting Frequency	Condition Number
N-001	Material usage/Hours of operation	192,000 lb/yr & 1,040 hr/yr	Record keeping	N/A	Onsite**	n6.B.1
N-031	Fuel Oil Usage	As specified	Record keeping	See condition	Onsite**	n6.B.5 4.B.25
N-031	Operation of Emission Unit	50 feet	N/A	N/A	N/A	n6.B.3
N-001	Visible Emissions	N/A	Record keeping	Daily	Semiannual	7.A.1
N-031	Visible Emissions	N/A	Record keeping	Semiannual	Semiannual	7.A.2

N/A = Not Applicable

** Onsite = Facility shall keep records on site. Semiannual notification that the required monitoring is being completed as specified shall be submitted to the address specified in condition 4.B.15 in accordance with SC Regulation 61-62.70.6(a)(3)(iii)(A).

B. MONITORING AND REPORTING CONDITIONS (N-Area) (Revised 7/3/03)

Condition Number	Conditions
n6.B.1	Operation of the abrasive blasting unit is limited to 1,040 hours per year. In addition, total abrasive usage through the abrasive blast cleaner shall be limited to 192,000 pounds per year. Records of operating hours and abrasive usage shall be kept on-site and made available to BAQ personnel upon request. Operation shall be conducted in such a manner that a minimum of PM becomes airborne. In no case shall established ambient air quality standards be exceeded at or beyond the property line. Emissions of fugitive PM shall be controlled in such a manner and to the degree that it does not create an undesirable level of air pollution. The permittee shall not use any method of materials handling which will generate fugitive PM that is not fully described in the permit application.
n6.B.2	<Void>
n6.B.3	Sources in Table 5.1 above may not be operated closer than fifty (50) feet to the nearest site boundary.

<table>
<tr><th>Condition Number</th><th>Conditions</th></tr>
<tr><td>n6.B.4</td><td>The permittee shall keep records of all monitoring data and support information for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application and shall be made available to Department personnel upon request. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by regulation or this permit.</td></tr>
<tr><td>n6.B.5</td><td>This diesel powered equipment shall comply with the facility wide limit as specified in condition 4.B.25. Records of fuel usage shall be maintained onsite and shall be made readily available to Department personnel upon request. Annual fuel usage rates for the non-exempt units in N-Area are not expected to exceed the following:
<table>
<tr><th>SRS ID</th><th>DESCRIPTION</th><th>BLDG</th><th>GAL/YR</th></tr>
<tr><td>GE0050</td><td>N-Area Mobile Diesel Equipment Pool</td><td>710-14N</td><td>731,110</td></tr>
</table>
For units in excess of the allotted values as presented above, Savannah River Site shall clearly document the reason for each exceedance in the semiannual report required by condition 4.B.25. Under no circumstances shall the annual facility wide limit established by this condition be exceeded without first obtaining construction permits from the BAQ.</td></tr>
</table>

PART 5.0p EMISSION UNIT REQUIREMENTS (P-Area)

No emission units are located in P-Area at this time. See Attachment B for a list of Insignificant Activities located in P-Area.

PART 6.0p MONITORING AND REPORTING REQUIREMENTS (P-Area)

[SC Regulation 61-62.1, Section II]; [SC Regulation 61-62.70.6(a)(3)(i)(B)]

No monitoring, reporting or recordkeeping is required in P-Area at this time. See Attachment B for a list of Insignificant Activities located in P-Area.

PART 5.0r EMISSION UNIT REQUIREMENTS (R-Area)

No emission units are located in R-Area at this time. See Attachment B for a list of Insignificant Activities located in R-Area.

PART 6.0r MONITORING AND REPORTING REQUIREMENTS (R-Area)

[SC Regulation 61-62.1, Section II]; [SC Regulation 61-62.70.6(a)(3)(i)(B)]

No monitoring, reporting or recordkeeping is required in R-Area at this time. See Attachment B for a list of Insignificant Activities located in R-Area.

PART 5.0s EMISSION UNIT REQUIREMENTS (S-Area)

A. EMISSION UNIT DESCRIPTION (S-Area)

Table 5.1 is a description of emission units in S-Area.

TABLE 5.1 EMISSION UNITS (S-Area)		
Unit ID	**Unit Description**	**Control Device Description**
S-001	221-S Vitrification Process	**Condenser:** J005; **HEPA Filters (VOID):** H016 & H965; **Sand Filter (VOID):** N001
S-002	292-S #1 Diesel Generator	None
S-003	292-S #2 Diesel Generator	None

B. CONTROL DEVICE DESCRIPTION (S-Area)

Table 5.2 is a description of the control devices associated with the emission units in S-Area.

TABLE 5.2 CONTROL DEVICES (S-Area)			
Control Device ID	**Control Device Description**	**Installation Date**	**Pollutant(s) Controlled**
J005	Condenser	1/1986	Formic Acid ($CHOOH_2$), Mercury (Hg)

C. EQUIPMENT DESCRIPTION (S-Area)

A description of the equipment in S-Area is provided in the following tables:

TABLE 5.3 UNIT ID S-001				
Equipment ID	**Equipment Description**	**Installation Date**	**Control Device ID**	**Stack ID**
267S	Sludge Receipt & Adjustment Tank	2/1988	J005 & N001	SDP0007
266S	Slurry Mix Evaporator	2/1988	J005 & N001	SDP0007
270S	Melter	4/1988	None	SDP0007

TABLE 5.4 UNIT IDs S-002 & S-003				
Equipment ID	**Equipment Description**	**Installation Date**	**Control Device ID**	**Stack ID**
D501	#1 Diesel Generator (2050 kW)	1/1985	None	SDE0002
D504	#2 Diesel Generator (2050 kW)	1/1985	None	SDE0003

D. EMISSION LIMITS AND STANDARDS (S-Area)

Table 5.5 contains a summary of emission limits & standards for emission units located in S-Area.

TABLE 5.5 EMISSION LIMITS AND STANDARDS (S-Area)						
Unit ID	**Pollutant**	**Limit/ Standard**	**Reference Method**	**Regulation**	**State Only**	**Condition Number**

TABLE 5.5 EMISSION LIMITS AND STANDARDS (S-Area)						
Unit ID	**Pollutant**	**Limit/ Standard**	**Reference Method**	**Regulation**	**State Only**	**Condition Number**
S-001	PM	See condition	See condition	SC Regulation 61-62.5, Standard 4	No	4.B.30
S-001	Opacity	20%	9	SC Regulation 61-62.5 Std. 4, Sect. IX	No	s5.E.1
S-002 & S-003	Opacity	40%	9	SC Regulation 61-62.5 Std. 4, Sect. IX	No	s5.E.2
S-001	PM	1.6 lbs/hr	5	SC Regulation 61-62.5 Std. 4, Sect. VIII	No	s5.E.3

The maximum allowable emission limits above are derived from the various Federal and State regulations that govern the operation of this type of source. All applicable facility wide emission limits and corresponding regulations are listed above. Additional operating requirements which may be more stringent than those above are contained in Part 4.0 and Part 7.0 of this permit or Part 6.0 in this Area-specific section.

E. EMISSION UNIT CONDITIONS (S-Area)

Condition Number	Conditions
s5.E.1	In accordance with SC Regulation 61-62.5, Standard No. 4 - Emissions from Process Industries, Section IX - Visible Emissions (Where Not Specified Elsewhere), where construction or modification began after December 31, 1985, emissions (including fugitive emissions) shall not exhibit an opacity greater than 20%.
s5.E.2	In accordance with SC Regulation 61-62.5, Standard No. 4 - Emissions from Process Industries, Section IX - Visible Emissions (Where Not Specified Elsewhere), where construction or modification began on or before December 31, 1985, emissions (including fugitive emissions) shall not exhibit an opacity greater than 40%.
s5.E.3	In accordance with SC Regulation 61-62.5, Standard No. 4 - Emissions from Process Industries, Section VIII - Other Manufacturing, particulate matter emissions shall be limited to the rate specified by use of the following equations: For process weight rates less than or equal to 30 tons per hour ($E = 4.10P^{0.67}$); For process weight rates greater than 30 tons per hour ($E = 55.0P^{0.11} - 40$); where, E = the allowable emission rate in pounds per hour, and P = process weight rate in tons per hour. As such, the allowable particulate matter emission limit for the vitrification process is 1.6 lb/hr at its nominal production rating of 0.24 tons per hour.

PART 6.0s MONITORING AND REPORTING REQUIREMENTS (S-Area)

[SC Regulation 61-62.1, Section II]; [SC Regulation 61-62.70.6(a)(3)(i)(B)]

A. MONITORING AND REPORTING (S-Area)

Table 6.1 contains summaries of the monitoring and reporting required of S-Area.

***TABLE 6.1* MONITORING AND REPORTING (S-Area)**

Unit ID	Pollutant/ Parameter	Limit	Required Monitoring	Monitoring Frequency	Reporting Frequency	Condition Number
S-001	Condenser Performance	As specified by vendor	Recordkeeping	Daily	Quarterly	s6.B.3 & 4.B.21
S-002 & S-003	Fuel Oil Usage	As specified	Recordkeeping	See condition	Semiannual	s6.B.2 & 4.B.25
S-002 & S-003	Visible Emissions	N/A	Recordkeeping	Semiannual	Semiannual	7.A.2

N/A = Not Applicable

** Onsite = Facility shall keep records on site. Semiannual notification that the required monitoring is being completed as specified shall be submitted to the address specified in condition 4.B.15 in accordance with SC Regulation 61-62.70.6(a)(3)(iii)(A).

B. MONITORING AND REPORTING CONDITIONS (S-Area)

<table>
<tr><th>Condition Number</th><th>Conditions</th></tr>
<tr><td>s6.B.1</td><td>All notification and reports required by regulation or this permit, excluding 40 CFR 61 Subpart H, shall be submitted to the address specified in condition 4.B.15.</td></tr>
<tr><td>s6.B.2</td><td>This diesel powered equipment shall comply with the facility wide limit as specified in condition 4.B.25. Records of fuel usage shall be maintained onsite and shall be made readily available to Department personnel upon request. Annual fuel usage rates for the non-exempt units in S-Area are not expected to exceed the following:
<table>
<tr><th>SRS ID</th><th>DESCRIPTION</th><th>BLDG</th><th>GAL/YR</th></tr>
<tr><td>DE0002</td><td>2050 kW Emergency Diesel Generator</td><td>292-S</td><td>43,100</td></tr>
<tr><td>DE0003</td><td>2050 kW Emergency Diesel Generator</td><td>292-S</td><td>43,100</td></tr>
</table>
For units in excess of the allotted values as presented above, Savannah River Site shall clearly document the reason for each exceedance in the semiannual report required by condition 4.B.25. Under no circumstances shall the annual facility wide limit established by this condition be exceeded without first obtaining construction permits from the BAQ.</td></tr>
<tr><td>s6.B.3</td><td>In lieu of conducting monthly inspections of the process condenser as specified in 4.B.21, SRS shall monitor process system parameters and leak detection systems as required by facility operating and emergency procedures to detect leaks from the condenser and take actions as necessary to isolate and correct the leak</td></tr>
</table>

PART 5.0t EMISSION UNIT REQUIREMENTS (TNX-Area)

No emission units are located in TNX-Area at this time. See Attachment B for a list of Insignificant Activities located in TNX-Area.

PART 6.0t MONITORING AND REPORTING REQUIREMENTS (TNX-Area)

[SC Regulation 61-62.1, Section II]; [SC Regulation 61-62.70.6(a)(3)(i)(B)]

No monitoring, reporting or recordkeeping is required in TNX-Area at this time. See Attachment B for a list of Insignificant Activities located in TNX-Area.

PART 5.0z EMISSION UNIT REQUIREMENTS (Z-Area)

A. EMISSION UNIT DESCRIPTION (Z-Area)

Table 5.1 is a description of emission units in Z-Area.

TABLE 5.1 EMISSION UNITS (Z-Area)		
Unit ID	**Unit Description**	**Control Device Description**
Z-001	Saltstone Facility	**Baghouse:** B011, B012, B013, B014, B015 & B016

B. CONTROL DEVICE DESCRIPTION (Z-Area)

Table 5.2 is a description of the control devices associated with the emission units in Z-Area.

TABLE 5.2 CONTROL DEVICES (Z-Area)			
Control Device ID	**Control Device Description**	**Installation Date**	**Pollutant(s) Controlled**
B012	Pulse Jet Baghouse	6/1990	PM, PM_{10}
B013	Pulse Jet Baghouse	6/1990	PM, PM_{10}
B014	Pulse Jet Baghouse	6/1990	PM, PM_{10}
B015	Pulse Jet Baghouse	6/1990	PM, PM_{10}
B016	Pulse Jet Baghouse	6/1990	PM, PM_{10}
B011	Pulse Jet Baghouse	6/1990	PM, PM_{10}

C. EQUIPMENT DESCRIPTION (Z-Area)

A description of the equipment in Z-Area is provided in the following tables:

TABLE 5.3 UNIT ID Z-001				
Equipment ID	**Equipment Description**	**Installation Date**	**Control Device ID**	**Stack ID**
075Z	Weight Hopper	1/1986	B014	ZDP0072
069Z	Premix Blender #1	1/1986	B015	ZDP0088
074Z	Premix Blender #2	1/1986	B016	ZDP0089
072Z	Flyash Silo #1	1/1986	B012	ZDT0001

TABLE 5.3 UNIT ID Z-001				
Equipment ID	**Equipment Description**	**Installation Date**	**Control Device ID**	**Stack ID**
071Z	Cement Silo #2	1/1986	B012	ZDT0001
073Z	Cement Silo #3	1/1986	B012	ZDT0001
076Z	Slag Silo	1/1986	B013	ZDT0002
052Z	Premix Feed Hopper	1/1986	B011	ZDP0071

D. EMISSION LIMITS AND STANDARDS (Z-Area)

Table 5.4 contains a summary of emission limits & standards for emission units located in Z-Area.

TABLE 5.4 EMISSION LIMITS AND STANDARDS (Z-Area)						
Unit ID	**Pollutant**	**Limit/Standard**	**Reference Method**	**Regulation**	**State Only**	**Condition Number**
Z-001	PM	41.3 lb/hr	5	SC Regulation 61-62.5 Std 4, Sect. VIII	No	z5.E.1
Z-001	Opacity	20%	9	SC Regulation 61-62.5 Std 4, Sect. IX	No	z5.E.2

The maximum allowable emission limits above are derived from the various Federal and State regulations that govern the operation of this type of source. All applicable facility wide emission limits and corresponding regulations are listed above. Additional operating requirements which may be more stringent than those above are contained in Part 4.0 and Part 7.0 of this permit or Part 6.0 in this Area-specific section.

E. EMISSION UNIT CONDITIONS (Z-Area)

Condition Number	**Conditions**
z5.E.1	In accordance with SC Regulation 61-62.5, Standard No. 4 - Emissions from Process Industries, Section VIII - Other Manufacturing, particulate matter emissions shall be limited to the rate specified by use of the following equations: For process weight rates less than or equal to 30 tons per hour ($E = 4.10P^{0.67}$); For process weight rates greater than 30 tons per hour ($E = 55.0P^{0.11} - 40$); where, E = the allowable emission rate in pounds per hour, and P = process weight rate in tons per hour. As such, the allowable particulate matter emission limit for the raw materials and handling process is 41.3 lb/hr at its nominal production rating of 35 tons per hour.
z5.E.2	In accordance with SC Regulation 61-62.5, Standard No. 4 - Emissions from Process Industries, Section IX - Visible Emissions (Where Not Specified Elsewhere), where construction or modification began after December 31, 1985, emissions (including fugitive emissions) shall not exhibit an opacity greater than 20%.

PART 6.0z MONITORING AND REPORTING REQUIREMENTS (Z-Area)

[SC Regulation 61-62.1, Section II]; [SC Regulation 61-62.70.6(a)(3)(i)(B)]

A. MONITORING AND REPORTING (Z-Area)

Table 6.1 contains summaries of the monitoring and reporting required of Z-Area.

TABLE 6.1 MONITORING AND REPORTING (Z-Area)						
Unit ID	**Pollutant/ Parameter**	**Limit**	**Required Monitoring**	**Monitoring Frequency**	**Reporting Frequency**	**Condition Number**
Z-001	Baghouse Performance	As specified	Recordkeeping	Daily	Quarterly	z6.B.1
Z-001	Visible Emissions	N/A	Recordkeeping	Daily	Semiannual	7.A.1

B. MONITORING AND REPORTING CONDITIONS (Z-Area)

Cond. Num.	Conditions

Cond. Num.	Conditions
z6.B.1	Savannah River Site shall install, operate and maintain a pressure drop gauge on each baghouse. All pressure drop gauges shall be readily accessible for verification by operating personnel and Department personnel (i.e. on ground level or easily accessible roof level). Pressure drop readings shall be recorded at the frequency specified in Table 6.1 during source operation and shall be made available to Department personnel upon request. The readings shall be maintained in logs (written or electronic (i.e., computerized data system)), along with any corrective action taken when deviations occur. Operational ranges for the monitored parameters shall be established to provide a reasonable assurance of compliance. These operational ranges for the monitored parameters shall be derived from stack test data, vendor certification, and/or operational history and visual inspections, which demonstrate the proper operation of the equipment in compliance. These ranges, with supporting documentation and quality assurance procedures, shall be submitted to the address specified in 4.B.15 for approval within 180 days of the effective date of this permit. The operating ranges may be updated using this procedure, following Bureau approval. Baghouse monitoring data shall be maintained on site for a period of at least five (5) years from the date generated and shall be made available to Department personnel upon request. Each incidence of operation outside these operational ranges, including date and time, cause, and corrective action taken, shall be recorded and kept on site for five (5) years. Quarterly reports of these incidences shall be submitted to the address specified in 4.B.15 postmarked no later than 30 days after the end of the reporting period. If no incidences occurred during the reporting period then a letter shall be submitted to indicate such. These reports shall be submitted to the address specified in 4.B.15 postmarked no later than 30 calendar days after the end of each calendar quarter. Any alternative method for monitoring baghouse performance must be approved by the Bureau and shall be incorporated into the permit as set forth in SC Regulation 61-62.70.7. In addition to the above, the facility shall conduct and log maintenance inspections of all baghouses in accordance with the Z-Area inspection & maintenance program as follows: * *For baghouses B012 & B013*: Annually inspect condition of housing: hoses secure, covers secure, gaskets in place and sealing, free of interior/exterior corrosion, bulges or deformation, door latch properly working. Check condition of filters: no tears, limited degradation of fibers/bags. Solenoid switches/housings in good condition, reversing and timing mechanism working. * *For baghouses B011, B014, B015 & B016*: Batch weigh hopper and blenders dust collectors: Tri-annual (every 4 months) - Check filters: free of tears, limited degradation of fibers/bags, good cuff to thimble mate, free of creases/permanent caking. Check baghouse housing covers secure, gaskets in place and sealing, free of interior/exterior corrosion, bulges or deformation, door latch properly working. Also, inspect housing in good condition, hoses secure, transducer tubes have no obstruction.

PART 7.0 ADDITIONAL CONDITIONS

A. SPECIFIC CONDITIONS

Cond. Num.	Conditions

Cond. Num.	Conditions
7.A.1	Once each day or portion of each day of operation, Savannah River Site shall perform a Visible Inspection (VI) on: 1) the units specified in Table 6.1 of each area-specific section for which only a cyclone or no air pollution control device (APCD) is utilized, and 2) all emission points from emission units added or replaced in accordance with the provisions of condition 7.B.1 for which no APCD is utilized. The VI shall be conducted as part of a routine walk through of the facility and the following shall be noted in a daily VI log: a. Any visible emissions (other than steam); and, b. Any mechanical failure or malfunction that results in increased air emissions. Visual Inspection means a qualitative observation of opacity during daylight hours where the inspector records results in a log, noting color, duration, density (heavy or light), cause and corrective action taken for any abnormal emissions. The observer does not need to be certified to conduct valid visual inspections. However, at a minimum, the observer should be familiar enough with the process to distinguish between normal and abnormal operations and should also be trained and knowledgeable about the effects on visibility of emissions caused by background contrast, ambient lighting, observer position relative to lighting, wind, and the presence of uncombined water. No periodic monitoring for opacity will be required during periods of burning natural gas or propane only. For each emission point noted with excessive visible emissions, mechanical problems or malfunctions, the facility shall take corrective action in the most expedient manner possible and reinspect the unit within 24 hours to verify that no excessive visible emissions exist. Failure to eliminate the excessive visible emissions or to correct the mechanical failure or malfunction specified in a. and b. within 24 hours shall be reported in accordance with condition 4.B.7. Logs shall be kept to record all visual inspections, including cause and corrective action taken for any abnormal emissions and visual inspections from date of recording. The logs shall be maintained for a period of five (5) years and be made available to the Department upon request. Savannah River Site shall submit semiannual reports of all deviations and corrective actions *not previously reported in accordance with condition 4.B.7* to the address specified in condition 4.B.15 postmarked no later than 30 calendar days after the end of the reporting period. If there are no deviations for an emission unit, this shall be clearly stated in the report.
7.A.2	The units specified in Table 6.1 of each area-specific section, including but not limited to emergency diesel engines, shall comply with all provisions of condition 7.A.1, except that the frequency of monitoring/reporting of these sources shall be semiannual.
7.A.3	All pollution control devices shall be properly operating and in place at all times when equipment or processes controlled by the devices are operating.
7.A.4	It has been determined that Savannah River Site is not subject to SC Regulation 61-62.68, Chemical Accident Prevention Provisions, neither due to in-process storage nor due to use of a regulated substance in quantities above the specified threshold. Should a change occur that would subject the facility to the above regulation, the following must be completed: a. Submittal of a Risk Management Plan (RMP) to the Environmental Protection Agency (EPA) prior to the date the regulated substance is first present above the threshold quantity in a process. b. Compliance with the Risk Management Program prior to the date the regulated substance is first present above the threshold quantity in a process. c. Submittal of subsequent revisions/updates of the RMP in accordance with SC Regulation 61-62.68.190. If it is determined by the implementing agency (or other delegated authority) that additional relevant information is needed, this facility will be required to submit the information in a timely manner.
7.A.5	No condition presented herein precludes the permittee from adherence to additional or more stringent conditions or requirements of any other Federal, State or local approval or permit. Failure to comply with the specific conditions may result in revocation of the approval and/or enforcement action by the BAQ.
7.A.6	At all times, including periods of startup, shutdown and malfunction, all emission units shall be maintained and operated in a manner consistent with good air pollution control practices for minimizing emissions.

B. OPERATIONAL FLEXIBILITY [SC Regulation 61-62.70.7(e)]

Condition Number	Conditions
7.B.1	The facility is permitted to operate the equipment as specified in the area-specific parts of this permit. For purposes of granting operational flexibility, Savannah River Site shall be allowed to make minor revisions and/or additions that are not addressed or prohibited by this Permit to the facility without having to undergo a permit modification consistent with SC Regulation 61-62.70.7(e)(5) and 61-62.70.7(e)(6). The facility understands that a change-notice may be required under these provisions. In addition, the change must also otherwise be exempt from State permit review requirements under SC Regulation 61-62.1, Section II. Any such change operated under this provision is not covered by the permit shield provisions of 61-62.70.6(f).
7.B.2	Pursuant to SC Regulation 61-62.70.7(e)(6)(ii), for each change to an insignificant activity and that remains an insignificant activity after the change, the facility will keep a record of the change including the date of the change, change in actual emissions from the change, and any applicable requirement that would apply as a result of the change. The same procedure would apply to an activity that is newly added at the facility and is an insignificant activity. For any change not described in the prior sentences of this paragraph, the facility must submit a written concurrent notice to DHEC and EPA describing the date of the change, any change in emissions, pollutants emitted, and any applicable requirement triggered as a result of the change in addition to keeping an on-site log of the change. SRS shall, on a monthly basis, provide a list of changes that have been implemented at the facility within the previous month for insignificant activities, as these changes pertain to the operational flexibility requirements of this section. Furthermore, SRS shall provide the reason(s) that the changes are subject to operational flexibility, to include calculations showing the combined pollutant PTE increase for all cumulative modifications not covered by the existing permit, in addition to other supporting documentation as appropriate. The reporting procedures required by this condition shall not supersede or contradict the Title V modification procedure as detailed in SC Regulation 61-62.70.7. This list shall be submitted monthly to the addresses specified in conditions 4.B.15 and 4.B.16 postmarked no later than 30 calendar days after the end of the reporting period.
7.B.3	Pursuant to Savannah River Site's January 24, 1996 letter to the BAQ (ESH-ESS-96-0042), the proposed plan for permitting/exempting of new sources shall remain in effect with the issuance of this permit. In an effort to eliminate the necessity of submitting information for sources which are clearly insignificant or exempt, the BAQ hereby implements the proposed plan to integrate the thresholds and exemptions identified in the following SC Regulations: *61-62.1*, *61-62.5, Standard 8* and *61-62.70*. For any source which has potential emissions of less than 0.5 lb/hr of any criteria pollutant OR less than 0.05 lb/hr of a Toxic Air Pollutant (as defined by the above-referenced Standard 8) where the Level II air dispersion modeling analysis indicates that emissions are below the Standard 8 MAAC, and the source has no other Federal requirement such that it would otherwise require a permit form the BAQ, then SRS shall consider them to be exempt from permitting requirements. No source information needs to be submitted for such sources, nor is a written determination from the BAQ required prior to placing such source into operation. Records of the calculations, basic source descriptions (e.g. size, capacities, flow rates, etc.) and records of operation of all sources that meet the above criteria shall be maintained on-site and shall be made available to Department personnel upon request.

C. COMPLIANCE SCHEDULE [SC Regulation 61-62.70.5(c)(8)]

Not applicable to Savannah River Site at this time.

D. PERMIT SHIELD [SC Regulation 61-62.70.6(f)] (Revised 11/13/98)

A copy of the "applicability determination" Savannah River Site submitted with it's Part 70 permit application is included as Attachment C. Compliance with the terms and conditions of this permit shall be deemed compliance with any applicable requirements as of the date of permit issuance. The permittee shall also be shielded from any non-applicable requirements as agreed upon by the Department as specified in Attachment C.

Nothing in the permit shield or in any Part 70 permit shall alter or affect the provisions of Section 303 of the Act, Emergency Orders, of the Clean Air Act; the liability of Savannah River Site for any violation of applicable requirements prior to or at the time of permit issuance; the applicable requirements of the Acid Rain Program, consistent with Section 408(a) of the Clean Air Act; or the ability of EPA to obtain information from a source pursuant to Section 114 of the Clean Air Act. In addition, the permit shield shall not apply to emission units in noncompliance at the time of permit issuance, minor permit modifications (SC Regulation 61-62.70.7(e)(2)), group processing of minor permit modifications (SC Regulation 61-62.70.7(e)(3)), or operational flexibility (SC Regulation 61-62.70.7(e)(5)), except as specified in SC Regulation 61-62.70.7(e)(5)(iii).

ATTACHMENT A

Modeled Emission Rates

U. S. Department of Energy
Washington Savannah River Company - Savannah River Site
TV-0080-0041

AMBIENT AIR QUALITY STANDARDS - STANDARD 2					
STACK	Modeled Emission Rates (lbs/hr)				
	TSP	PM_{10}	SO_2	NO_X	CO
A-AP0001	0.4200	0.4200	-	-	-
A-GJ0021	0.0200	0.0170	-	-	-
A-GP0007	0.0190	0.0170	-	-	-
A-LJ0009	0.0000	-	-	-	-
A-PF0001	86.0400	17.2100	501.9000	75.5600	27.5800
A-PJ0021	64.2000	15.7700	-	-	-
A-PJ0024	1.1000	1.1000	-	-	-
B-QH0001	0.1680	0.0900	0.6030	1.6760	0.4180
D-CH-1 (SCANA)	253.0000	16.1600	-	-	-
D-CH-2 (SCANA)	251.0000	15.3000	-	-	-
D-CH-3 (SCANA)	-	0.0020	-	-	-
D-IJ0020	0.0040	0.0020	0.0010	0.0440	0.0110
D-PF0001	237.6000	88.3800	1386.0000	552.8000	14.4500
D-PF0002	237.6000	88.3800	1386.0000	552.8000	14.4500
D-PF0003	237.6000	88.3800	1386.0000	552.8000	14.1800
D-PF0004	237.6000	88.3800	1386.0000	552.8000	14.1800
E-WP0004	0.0600	0.0600	-	-	-
F-BJ0011	3.6400	1.1000	-	-	-
F-BJ0013	-	0.0920	-	-	-
F-BJ0014	5.5200	5.5200	-	-	-
F-IP0002	0.0430	0.0030	-	-	-
F-PJ0006	1.7000	0.8470	-	-	-
F-SE0015	-	-	-	-	2.0560
F-SE0019	0.6380	0.4150	0.4220	25.9000	6.7700
F-SE0020	0.6380	0.4150	42.2000	25.9000	6.7700
F-SE0023	0.0410	0.0270	0.0270	1.6690	0.4360
F-SJ0003	0.3210	0.1130	-	-	-
F-SJ0024	1.5600	-	-	-	-
F-SP0023	0.1360	0.0010	0.0080	831.7000	-
F-SP0256	-	-	-	-	-
H-PF0001	86.0400	17.2100	501.9000	75.5600	27.5800
H-PF0002	43.0200	8.6040	250.9000	37.7800	13.7900
H-PJ0002	1.0580	0.4500	-	-	-
H-PP0005	0.0360	-	-	-	-
H-RP0002	-	-	-	0.0060	-
H-SE0006	0.6710	0.4330	0.1090	9.5420	2.0560
H-SE0007	0.6710	0.4330	0.1090	9.5420	2.0560
H-SE0012	0.6380	0.4150	0.4220	25.9000	6.7700
H-SE0013	0.6380	0.4150	0.4220	25.9000	6.7700
H-SE0014	0.0410	0.0270	0.0270	1.6690	0.4360
H-SJ0025	0.1850	0.0650	-	-	-
H-SP0002	0.0740	0.0740	-	33.5800	-
H-TP0025	0.5660	0.2820	-	0.0000	-
H-TP0045	0.1070	0.0540	-	-	-
H-TP0048	0.0000	0.0000	-	-	-
H-WG0002	2.8100	0.0000	38.1000	8.8580	14.2900
H-WK0006	0.1070	-	-	-	-
H-WK0007	0.0370	0.0370	-	-	-
H-WP0002	0.0000	0.0000	-	-	-
H-WP0022	0.0000	-	-	-	-
H-WP0024	0.0000	0.0000	-	-	-
H-WP0028	0.0000	0.0000	-	-	-

NOTE:A value of "0.000" indicates that the stack emits less than 5×10^{-4} lb/hr of the regulated pollutant from this particular stack. However, these values are captured in the total emissions which are reflected in the shaded rows in the above table.

ATTACHMENT A

Modeled Emission Rates

U. S. Department of Energy
Washington Savannah River Company - Savannah River Site
TV-0080-0041

AMBIENT AIR QUALITY STANDARDS - STANDARD 2					
STACK	Modeled Emission Rates (lbs/hr)				
	TSP	PM_{10}	SO_2	NO_X	CO
H-WP0045	0.0000	0.0000	-	-	-
H-WP0050	-	0.0000	-	-	-
H-WT0014	0.0070	0.0030	-	-	-
H-WT0017	0.0070	0.0030	-	-	-
H-WT0044	0.0000	0.0000	-	-	-
H-WT0049	0.0000	-	-	-	-
H-WT0050	0.0000	-	-	-	-
H-WT0057	0.0000	0.0000	-	-	-
H-WT0058	0.0000	-	-	-	-
H-WT0097	0.0000	-	-	-	-
H-WT0113	0.0000	-	-	-	-
H-WT0115	0.0000	-	-	-	-
H-WT0122	0.0000	-	-	-	-
H-WT0145	0.0000	-	-	-	-
K-PF0002	46.0000	0.5940	39.6100	11.0000	2.7510
K-PF0003	22.8000	0.2940	19.6000	5.4440	1.3610
L-RP0025	0.0550	-	-	-	-
N-BJ0003	0.1540	0.1540	-	-	-
N-BJ0011	0.4630	0.4630	-	-	-
N-BJ0014	103.1000	33.2300	-	-	-
N-BJ0015	0.2470	-	-	-	-
N-BJ0019	1.2690	0.4050	-	-	-
N-BJ0021	8.0540	1.8800	-	-	-
N-BJ0022	0.0020	0.0020	-	-	-
N-BJ0027	11.0600	11.0600	0.1280	0.8310	80.7400
N-BJ0028	800.5000	680.4000	-	-	-
N-BJ0030	0.0020	0.0020	-	-	-
N-BP0001	0.0020	0.8030	-	-	-
N-BP0002	0.8250	0.8250	-	-	-
N-BP0003	0.0920	0.0920	-	-	-
N-BP0004	0.0740	0.0740	-	-	-
N-BP0005	0.5200	0.5200	-	-	-
N-BP0006	2.3000	2.3000	-	-	-
N-BP0007	3.3700	3.3700	-	-	-
N-BP0010	348.9000	19.3300	-	-	-
N-BP0012	0.0050	0.0050	-	-	-
N-BP0013	0.7720	0.7720	-	-	-
N-BP0015	-	0.0900	-	-	-
N-BP0018	0.1820	0.1820	-	-	-
N-BP0019	0.8250	0.8250	-	-	-
N-BP0020	0.0020	0.0020	-	-	-
N-BP0021	2.7500	2.7500	-	-	-
N-BP0022	0.8250	0.8250	-	-	-
N-BP0023	1.3700	1.3700	-	-	-
N-BP0029	0.0930	0.0930	-	-	-
N-BP0030	4.5500	4.5500	-	-	-
N-BP0031	0.0030	0.0030	-	-	-
N-BP0032	0.0030	0.0030	-	-	-
N-BP0033	0.0090	0.0090	-	-	-
N-BP0034	3.3000	3.3000	-	-	-
N-BP0036	0.1540	0.1540	-	-	-
N-BP0040	3.5600	0.2490	-	-	-
N-BP0042	1.8980	0.1330	-	-	-

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STACK	Modeled Emission Rates (lbs/hr)				
	TSP	PM_{10}	SO_2	NO_X	CO
N-BP0044	0.0920	0.0920	-	-	-
N-BP0045	0.0020	0.0020	-	-	-
N-BP0046	0.7720	0.7720	-	-	-
N-BP0047	0.7720	0.7720	-	-	-
N-BP0048	0.4630	0.4630	-	-	-
N-BP0050	0.0000	-	5.1520	0.6440	0.1780
N-BP0058	0.0000	0.0000	-	-	-
N-BP0070	0.6180	0.6180	-	-	-
N-BP0072	0.8250	0.8250	-	-	-
N-GE0002	0.8400	0.5420	0.1370	11.9400	2.5730
N-GE0004	1.0170	0.6560	0.1660	14.4700	3.1170
N-GE0006	0.4890	0.3160	0.0800	6.9570	1.4990
N-GE0007	0.5410	0.3490	0.0880	7.6950	1.6580
N-GE0008	0.5060	0.3270	0.0820	7.2030	1.5520
N-GE0009	0.5410	0.3490	0.0880	7.6950	1.6580
N-GE0010	0.5410	0.3490	0.0880	7.6950	1.6580
N-GE0013	0.4540	0.2930	0.0740	6.4640	1.3930
N-GE0014	0.3610	0.2350	0.2390	14.6700	3.8330
N-GE0015	0.8310	0.5400	0.5500	33.7600	8.8200
N-GE0016	0.3920	0.2530	0.0640	5.5780	1.2020
N-GE0017	0.3920	0.2530	0.0640	5.5780	1.2020
N-GE0019	0.3920	0.2530	0.0640	5.5780	1.2020
N-GE0020	0.3920	0.2530	0.0640	5.5780	1.2020
N-GE0021	0.4720	0.3040	0.0770	6.7100	1.4460
N-GE0022	0.4720	0.3040	0.0770	6.7100	1.4460
N-GE0023	0.4720	0.3040	0.0770	6.7100	1.4460
N-GE0024	0.5800	0.3740	0.0940	8.2500	1.7770
N-GE0025	0.5800	0.3740	0.0940	8.2500	1.7770
N-GE0026	1.3450	1.0590	0.1310	11.4500	2.4670
N-GE0027	0.8010	0.5170	0.1300	11.3900	2.4530
N-GE0028	0.7050	0.4550	0.1150	10.0300	2.1620
N-GE0029	0.7050	0.4550	0.1150	10.0300	2.1620
N-GE0030	0.7050	0.4550	0.1150	10.0300	2.1620
N-GE0031	0.7050	0.4550	0.1150	10.0300	2.1620
N-GE0032	0.5190	0.3350	0.0850	7.3880	1.5910
N-GE0034	1.0170	0.6560	0.1660	14.4700	3.1170
N-GE0035	1.0210	0.6590	0.1660	14.5300	3.1300
N-GE0038	0.6010	0.3910	0.3980	24.4100	6.3770
N-GE0039	0.6400	0.4130	0.1040	9.1100	1.9600
N-GE0040	0.6400	0.4130	0.1040	9.1100	1.9600
N-GE0044	0.6750	0.4360	0.1100	9.6000	2.0700
N-GE0045	0.6750	0.4360	0.1100	9.6000	2.0700
N-GE0046	0.6750	0.4360	0.1100	9.6000	2.0700
N-PP0001	0.6800	0.6800	-	-	-
N-RP0005	0.0000	0.0000	-	-	-
N-WP0001	0.0000	0.0000	-	-	-
S-BP0003	1.2700	1.2700	-	-	-
S-DJ0001	39.2100	6.9230	0.0560	23.6350	-
S-DK0006	0.2810	-	-	-	-
S-DP0007	0.0020	-	-	-	-
Z-DP0071	0.0340	-	-	-	-
Z-DP0072	0.0010	-	-	-	-
Z-DP0088	0.0060	-	-	-	-

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U. S. Department of Energy
Washington Savannah River Company - Savannah River Site
TV-0080-0041

AMBIENT AIR QUALITY STANDARDS - STANDARD 2					
STACK	Modeled Emission Rates (lbs/hr)				
	TSP	PM_{10}	SO_2	NO_X	CO
Z-DP0089	0.0060	-	-	-	-
Z-DT0001	0.0240	-	-	-	-
Z-DT0002	0.0080	-	-	-	-
Total	3194.2280	1254.4330	6950.0370	3781.8640	338.4530

AMBIENT AIR QUALITY STANDARDS - STANDARD 2		
STACK	Modeled Emission Rates (lbs/hr)	
	Lead	Gaseous Fluorides (as HF)
A-PF0001	0.0020	-
A-PJ0021	0.0010	-
D-PF0001	0.0000	-
D-PF0002	0.0000	-
D-PF0003	0.0000	-
D-PF0004	0.0000	-
F-PJ0006	0.2600	-
F-SE0019	0.0000	-
F-SE0020	0.0000	-
F-SP0023	-	0.1240
F-SP0256	-	0.0020
H-PF0001	0.0020	-
H-PF0002	0.0010	-
H-PJ0002	0.0000	-
H-SE0006	0.0000	-
H-SE0007	0.0000	-
H-SE0012	0.0000	-
H-SE0013	0.0000	-
H-WG0002	0.1380	3.8100
K-PF0002	0.0010	-
K-PF0003	0.0000	-
N-BP0050	0.0000	-
N-GE0002	0.0000	-
N-GE0004	0.0000	-
N-GE0006	0.0000	-
N-GE0007	0.0000	-
N-GE0008	0.0000	-
N-GE0009	0.0000	-
N-GE0010	0.0000	-
N-GE0013	0.0000	-
N-GE0014	0.0000	-
N-GE0015	0.0010	-
N-GE0016	0.0000	-
N-GE0017	0.0000	-
N-GE0019	0.0000	-
N-GE0020	0.0000	-
N-GE0021	0.0000	-
N-GE0022	0.0000	-
N-GE0023	0.0000	-
N-GE0024	0.0000	-
N-GE0025	0.0000	-
N-GE0026	0.0000	-
N-GE0027	0.0000	-
N-GE0028	0.0000	-
N-GE0029	0.0000	-
N-GE0030	0.0000	-

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ATTACHMENT A

Modeled Emission Rates

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AMBIENT AIR QUALITY STANDARDS - STANDARD 2		
STACK	**Modeled Emission Rates (lbs/hr)**	
	Lead	**Gaseous Fluorides (as HF)**
N-GE0031	0.0000	-
N-GE0032	0.0000	-
N-GE0034	0.0000	-
N-GE0035	0.0000	-
N-GE0038	0.0000	-
N-GE0039	0.0000	-
N-GE0040	0.0000	-
N-GE0044	0.0000	-
N-GE0045	0.0000	-
N-GE0046	0.0000	-
S-DJ0001	3.5290	-
S-DP0007	-	0.0030
Total	3.944	3.939

TOXIC AIR POLLUTANTS MODELED - STANDARD 8						
Source	Acetaldehyde 75-07-0	Acetamide 60-35-5	Acetic Anhydride 108-24-7	Acetophenone 98-86-2	2-Acetylaminofluorine 53-96-3	Acrolein 107-02-8
H-WG0002	0.0531	0.0385	0.0385	0.0531	0.0959	0.0959
Total	0.0531	0.0385	0.0385	0.0531	0.0959	0.0959

TOXIC AIR POLLUTANTS MODELED - STANDARD 8						
Source	Acrylamide 79-06-1	Acrylic Acid 79-10-7	Acrylonitrile 107-13-1	Aldicarb 116-06-3	Allyl Chloride 107-05-1	p-Aminodiphenyl 92-67-1
H-WG0002	0.0531	0.0531	0.0531	0.2169	0.0385	0.0005
Total	0.0531	0.0531	0.0531	0.2169	0.0385	0.0005

TOXIC AIR POLLUTANTS MODELED - STANDARD 8						
Source	Ammonium Chloride 12125-02-9	o-Anisidine 90-04-0	p-Anisidine 104-94-9	Arsenic Pentoxide 1303-28-2	Benzidine 92-87-5	Benzotrichloride 98-07-7
H-WG0002	0.0385	0.0960	0.0960	0.0007	0.0531	0.0531
Total	0.0385	0.0960	0.0960	0.0007	0.0531	0.0531

TOXIC AIR POLLUTANTS MODELED - STANDARD 8						
Source	Benzyl Chloride 100-44-7	Beryllium Oxide 1304-56-9	Beryllium Sulfate 13510-49-1	Bis (Chloromethyl) Ether 542-88-1	Bis-(2-Ethylhexyl)Phthalate 117-81-7	Bromoform 75-25-2
H-WG0002	0.0531	0.0003	0.0012	0.0531	0.0531	0.0531
Total	0.0531	0.0003	0.0012	0.0531	0.0531	0.0531

TOXIC AIR POLLUTANTS MODELED - STANDARD 8						
Source	1,2-Butadiene 106-99-0	Butanethiol 109-79-5	n-Butylamine 109-73-9	1,2-Epoxybutane 106-88-7	Cadmium Oxide 1306-19-0	Cadmium Sulfate 10124-36-4
H-WG0002	0.0960	0.0960	0.0385	0.0960	0.0034	0.0055
Total	0.0960	0.0960	0.0385	0.0960	0.0034	0.0055

TOXIC AIR POLLUTANTS MODELED - STANDARD 8						
Source	Calcium Cyanamide 156-62-7	Caprolactam 105-60-2	Captan 133-06-2	Carbaryl 63-25-2	Carbon Disulfide 75-15-0	Carbonyl Sulfide 463-58-1
H-WG0002	0.0960	0.0960	0.0960	0.0960	0.0531	0.0960
Total	0.0960	0.0960	0.0960	0.0960	0.0531	0.0960

TOXIC AIR POLLUTANTS MODELED - STANDARD 8						
Source	Catechol 120-80-9	Chloramben 133-90-4	Chlordane 57-74-9	Chlorine 77821-50-5	Chloroacetic Acid 79-11-8	2-Chloroacetophenone 532-27-4

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TOXIC AIR POLLUTANTS MODELED - STANDARD 8						
Source	Catechol 120-80-9	Chloramben 133-90-4	Chlordane 57-74-9	Chlorine 77821-50-5	Chloroacetic Acid 79-11-8	2-Chloroacetophenone 532-27-4
H-WG0002	0.0386	0.0960	0.0531	1.0000	0.0385	0.0960
Total	0.0386	0.0960	0.0531	1.0000	0.0385	0.0960

TOXIC AIR POLLUTANTS MODELED - STANDARD 8						
Source	Chlorobenzilate 510-15-6	Chloromethyl Methyl Ether 107-30-2	p-Chloronitrobenzene 100-00-5	Chloroprene 126-99-8	Cyanamide 420-04-2	Cyanide 57-12-5
H-WG0002	0.0960	0.0531	0.0900	0.0960	0.0960	0.0385
Total	0.0960	0.0531	0.0900	0.0960	0.0960	0.0385

TOXIC AIR POLLUTANTS MODELED - STANDARD 8						
Source	Cyanoacetamide 107-91-5	Cyanogen 460-19-5	Dde 72-55-9	Diazomethane 334-88-3	Dibenzofuran 132-64-9	1,2-Dibromo-3-Chloropropane 96-12-8
H-WG0002	0.0960	0.0960	0.0960	0.0960	0.0960	0.0030
Total	0.0960	0.0960	0.0960	0.0960	0.0960	0.0030

TOXIC AIR POLLUTANTS MODELED - STANDARD 8						
Source	3,3-Dichlorobenzidine 91-94-1	2,4-Dichlorophenoxy Acetic Acid 94-75-7	1,3-Dichloropropene 542-75-6	Dichlorvos 62-73-7	Diethanolamine 111-42-2	Diethyl Phthalate 84-66-2
H-WG0002	0.0531	0.0525	0.0531	0.0960	0.0385	0.0385
Total	0.0531	0.0525	0.0531	0.0960	0.0385	0.0385

TOXIC AIR POLLUTANTS MODELED - STANDARD 8						
Source	Diethyl Sulfate 64-67-5	N,N-Diethylaniline 121-69-7	Diisodecyl Phthalate 26761-40-0	3,3-Dimethoxybenzidene 119-90-4	Dimethyl Carbamoyl Chloride 79-44-7	1,1-Dimethyl Hydrazine 57-14-7
H-WG0002	0.0960	0.0960	0.0960	0.0531	0.0960	0.0960
Total	0.0960	0.0960	0.0960	0.0531	0.0960	0.0960

TOXIC AIR POLLUTANTS MODELED - STANDARD 8						
Source	1,2-Dimethyl Hydrazine 540-73-8	Dimethyl Phthalate 131-11-3	Dimethyl Sulfate 77-78-1	4-Dimethylaminoazobenzene 60-11-7	3,3-Dimethylbenzidene 119-93-7	Dimethyl Formamide 68-12-2
H-WG0002	0.0960	0.0531	0.0531	0.0960	0.0531	0.0385
Total	0.0960	0.0531	0.0531	0.0960	0.0531	0.0385

TOXIC AIR POLLUTANTS MODELED - STANDARD 8						
Source	m-Dinitrobenzene 99-65-0	4,6-Dinitro-o-Cresol 534-52-1	2,4-Dinitrophenol 51-28-5	Dioctyl Phthalate 117-84-0	1,2-Diphenyl Hydrazine 122-66-7	Epichlorohydrin 106-89-8
H-WG0002	0.0385	0.0960	0.0531	0.0960	0.0531	0.0531
Total	0.0385	0.0960	0.0531	0.0960	0.0531	0.0531

TOXIC AIR POLLUTANTS MODELED - STANDARD 8						
Source	Ethanethiol 75-08-1	Ethanolamine 141-43-5	Ethyl Acrylate 140-88-5	Ethylene Dibromide 106-93-4	Ethylene Oxide 75-21-8	Ethylene Thiourea 96-45-7
H-WG0002	0.0385	0.0385	0.0385	0.0531	0.0531	0.0531
Total	0.0385	0.0385	0.0385	0.0531	0.0531	0.0531

TOXIC AIR POLLUTANTS MODELED - STANDARD 8						
Source	Ethylenimine 151-56-4	Furfural 98-01-1	Furfuryl Alcohol 98-00-0	Glycidaldehyde 7654-34-4	Glycol Ethers --	Heptachlor 76-44-8
H-WG0002	0.0531	0.0531	0.0900	0.0960	0.0385	0.2169
Total	0.0531	0.0531	0.0900	0.0960	0.0385	0.2169

TOXIC AIR POLLUTANTS MODELED - STANDARD 8

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Source	Hexachlorobenzene 118-74-1	Hexachlorobutadiene 87-68-3	Hexachlorocyclohexane 608-73-1	Lindane 58-89-9	Hexachlorocylopentadiene 77-47-4	Hexachloroethane 67-72-1
H-WG0002	0.0531	0.0531	0.0960	0.0531	0.0531	0.0531
Total	0.0531	0.0531	0.0960	0.0531	0.0531	0.0531

TOXIC AIR POLLUTANTS MODELED - STANDARD 8						
Source	Hexachloronapthalene 1335-87-1	Hexamethylphosphoramide 680-31-9	Formamide 75-12-7	Hydrogen Sulfide 7783-06-4	Isopropylamine 75-31-0	Kepone 143-50-0
H-WG0002	0.0960	0.0960	0.0385	0.0385	0.0385	0.0005
Total	0.0960	0.0960	0.0385	0.0385	0.0385	0.0005

TOXIC AIR POLLUTANTS MODELED - STANDARD 8						
Source	Ketene 463-51-4	Lead Arsenate 7645-25-2	Lead(+2) Arsenate 7784-40-9	Malathion 121-75-5	Maleic Anhydride 108-31-6	Methoxychlor 72-43-5
H-WG0002	0.0960	0.0900	0.0900	0.0385	0.0531	0.0531
Total	0.0960	0.0900	0.0900	0.0385	0.0531	0.0531

TOXIC AIR POLLUTANTS MODELED - STANDARD 8						
Source	Methyl Bromide 74-83-9	Methyl Chloride 74-87-3	4,4-Methylene Bis-2-Chloroaniline 101-14-4	Methyl Hydrazine 60-34-4	Methyl Iodide 74-88-4	Methyl Isocyanate 624-83-9
H-WG0002	0.0960	0.0531	0.0001	0.0531	0.0531	0.0260
Total	0.0960	0.0531	0.0001	0.0531	0.0531	0.0260

TOXIC AIR POLLUTANTS MODELED - STANDARD 8						
Source	Methyl Mercaptan 74-93-1	Methylamine 74-89-5	2-Methylaziridine 75-55-8	Methylene Biphenyl Isocyanate 101-68-8	4,4-Methylenedianiline 101-77-9	Mineral Fibers --
H-WG0002	0.0960	0.0385	0.0960	0.0960	0.0960	0.0960
Total	0.0960	0.0385	0.0960	0.0960	0.0960	0.0960

TOXIC AIR POLLUTANTS MODELED - STANDARD 8						
Source	Mineral Oil 8012-95-1	Mirex 2385-85-5	a-Naphthylamine 134-32-7	b-Naphthylamine 91-59-8	Nickel Carbonyl 13463-39-3	Nickel Sulfate 7786-81-4
H-WG0002	0.0960	0.0960	0.0005	0.0005	0.1200	0.6005
Total	0.0960	0.0960	0.0005	0.0005	0.1200	0.6005

TOXIC AIR POLLUTANTS MODELED - STANDARD 8						
Source	p-Nitroaniline 100-01-6	Nitrobenzene 98-95-3	4-Nitrobiphenyl 92-93-3	Nitrogen Mustard 51-75-2	Nitroglycerin 55-63-0	p-Nitrophenol 100-02-7
H-WG0002	0.0385	0.0531	0.0006	0.0005	0.0960	0.0531
M-MJ5201	-	0.0009	-	-	-	-
Total	0.0385	0.0551	0.0006	0.0005	0.0960	0.0531

TOXIC AIR POLLUTANTS MODELED - STANDARD 8						
Source	1-Nitropropane 108-03-2	2-Nitropropane 79-46-9	N-Nitroso-N-Methylurea 684-93-5	Nitrosodimethylamine 62-75-9	Nitrosomorpholine 59-89-2	p-Nitrosophenol 104-91-6
H-WG0002	0.0385	0.0531	0.0960	0.0005	0.0960	0.0005
Total	0.0385	0.0531	0.0960	0.0005	0.0960	0.0005

TOXIC AIR POLLUTANTS MODELED - STANDARD 8						
Source	p-Nitrotoluene 99-99-0	Octachloronaphthalene 2234-13-1	Paraquat 1910-42-5	Parathion 56-38-2	Pentachloronitrobenzene 82-68-8	Pentachlorophenol 87-86-5
H-WG0002	0.0385	0.0300	0.0500	0.2169	0.0531	0.0531
Total	0.0385	0.0300	0.0500	0.2169	0.0531	0.0531

TOXIC AIR POLLUTANTS MODELED - STANDARD 8

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Source	p-Phenylenediamine 106-50-3	Phenylhydrazine 100-63-0	Phosgene (Carbonyl Chloride) 75-44-5	Phosphine 7803-51-2	Phosphoric Acid 7664-38-2	Phosphorus (Yellow Or White) 7723-14-0
H-WG0002	0.0900	0.0385	0.0531	0.0960	0.0385	0.0385
Total	0.0900	0.0385	0.0531	0.0960	0.0385	0.0385

TOXIC AIR POLLUTANTS MODELED - STANDARD 8						
Source	Phthalic Anhydride 85-44-9	Picric Acid 88-89-1	Propane Sultone 1120-71-4	b-Propiolactone 57-57-8	Propionaldehyde 123-38-6	Propoxur 114-26-1
H-WG0002	0.0531	0.0960	0.0960	0.0960	0.0900	0.0960
Total	0.0531	0.0960	0.0960	0.0960	0.0900	0.0960

TOXIC AIR POLLUTANTS MODELED - STANDARD 8						
Source	Propylene Dichloride 78-87-5	1,2-Propylene Oxide 75-56-9	Pyrethrum(s) 8003-34-7	Quinoline 91-22-5	Rotenone 83-79-4	Stearic Acid 57-11-4
H-WG0002	0.0385	0.0900	0.0385	0.0960	0.0385	0.0960
Total	0.0385	0.0900	0.0385	0.0960	0.0385	0.0960

TOXIC AIR POLLUTANTS MODELED - STANDARD 8						
Source	Styrene Oxide 96-09-3	Tetrachlorinated Dibenzo-p-Dioxins 1746-01-6	1,1,2,2-Tetrachloroethane 79-34-5	Titanium Tetrachloride 7550-45-0	Toluene-2,4-Diisocynanate 584-84-9	2,4-Toluenediamine 95-80-7
E-WP0004	-	-	0.0200	-	-	-
H-WG0002	0.0385	0.0005	0.0531	0.0960	0.0385	0.0960
Total	0.0385	0.0005	0.0731	0.0960	0.0385	0.0960

TOXIC AIR POLLUTANTS MODELED - STANDARD 8						
Source	p-Toluidine 95-53-4	Toxaphene 8001-35-2	1,2,4-Trichlorobenzene 120-82-1	2,4,6-Trichlorophenol 88-06-2	Triethylamine 121-44-8	Trifluralin 1582-09-8
H-WG0002	0.0960	0.2170	0.0960	0.0960	0.0385	0.0960
Total	0.0960	0.2170	0.0960	0.0960	0.0385	0.0960

TOXIC AIR POLLUTANTS MODELED - STANDARD 8						
Source	Urethane 51-79-6	Vinyl Acetate 108-05-4	Vinyl Bromide 593-60-2	Vinyl Fluoride 75-02-5	Xylidine 1300-73-8	Polychlorinated Biphenyls (PCB) --
H-WG0002	0.0960	0.0900	0.0960	0.0900	0.0960	-
DUS system	-	-	-	-	-	3.2E-05
Total	0.0960	0.0900	0.0960	0.0900	0.0960	3.2E-05

TOXIC AIR POLLUTANTS MODELED - STANDARD 8						
Source	Acetonitrile 75-05-8	Aniline 62-53-3	2,4-Dinitrotoluene 121-14-2	Dioxane 123-91-1	Hydrazine 302-01-2	Methyl Methacrylate 80-62-6
E-WP0004	0.0200	0.0200	0.0875	0.0200	0.0200	0.0200
H-WG0002	0.0531	0.0531	0.0531	0.0531	0.0531	0.0531
Total	0.0730	0.2223	0.1406	0.0731	0.0731	0.0731

TOXIC AIR POLLUTANTS MODELED - STANDARD 8						
Source	Chlorobenzene 108-90-7	Cyanide Compounds --	Dibutyl Phthalate 84-74-2	p-Dichlorobenzene 106-46-7	1,1-Dichloroethane 75-34-3	Ethyl Chloride 75-00-3
A-GJ0022	-	-	-	-	-	-
A-GP0018	-	-	-	-	-	-
A-KJ0002	-	-	-	-	-	-
E-WP0004	0.0200	-	-	-	-	-
H-WG0002	0.0531	0.0385	0.0531	0.0531	0.0385	0.0385
H-WT0020	0.0000	-	-	-	0.0001	-
M-EP0006	0.0001	-	-	0.0002	0.0009	0.0000

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TOXIC AIR POLLUTANTS MODELED - STANDARD 8						
Source	Chlorobenzene 108-90-7	Cyanide Compounds --	Dibutyl Phthalate 84-74-2	p-Dichlorobenzene 106-46-7	1,1-Dichloroethane 75-34-3	Ethyl Chloride 75-00-3
M-EP2303	0.0001	-	-	0.0002	0.0009	0.0000
N-BP0051	-	-	0.0005	-	-	-
N-BP0052	-	-	0.0005	-	-	-
N-BP0054	-	0.0001	0.0001	-	-	-
N-BP0055	-	0.0001	0.0001	-	-	-
N-BP0073	-	-	-	-	-	-
Total	0.0732	0.0387	0.0542	0.0536	0.0403	0.0385

TOXIC AIR POLLUTANTS MODELED - STANDARD 8						
Source	Ethylene Dichloride 107-06-2	Ethylene Glycol 107-21-1	Hydroquinone 123-31-9	Isophorone 78-59-1	1,1,2-Trichloroethane 79-00-5	Vinyl Chloride 75-01-4
A-GJ0022	-	0.0003	-	-	-	-
A-GP0018	-	0.0002	-	-	-	-
A-KJ0002	-	0.0000	0.0005	-	-	-
E-WP0004	-	-	-	-	-	0.0200
H-WG0002	0.0531	0.0535	0.0385	0.0385	0.0531	0.0531
H-WT0020	0.0000	0.0000	-	-	-	0.0009
M-EP0006	0.0000	-	-	-	0.0000	0.0002
M-EP2303	0.0000	-	-	-	0.0000	0.0000
N-BP0051	-	-	-	0.0126	-	-
N-BP0052	-	-	-	0.0126	-	-
N-BP0054	-	0.0002	-	-	-	-
N-BP0055	-	0.0000	-	-	-	-
N-BP0073	-	-	0.0000	-	-	-
Total	0.0531	0.0542	0.0390	0.0637	0.0531	0.0741

TOXIC AIR POLLUTANTS MODELED - STANDARD 8						
Source	Antimony Compounds --	Arsenic 7440-38-2	Beryllium 7440-41-7	Cadmium 744043-9	Methyl Tert-Butyl Ether 1634-04-4	Selenium Compounds --
A-PJ0021	0.0000	0.0006	0.0001	-	-	-
A-YK0001	-	-	-	-	0.0712	-
B-QH0001	-	0.0000	0.0000	0.0001	-	-
E-WP0004	-	-	-	-	-	0.0200
F-PJ0006	0.0256	0.2266	0.0000	-	-	-
G-YJ0003	-	-	-	-	0.0163	-
G-YK0001	-	-	-	-	0.0163	-
H-PJ0002	0.0000	0.0000	0.0000	-	-	-
H-WG0002	0.9800	0.0070	0.0002	0.0028	0.0385	0.0110
K-YJ0001	-	-	-	-	0.0143	-
L-RP0025	0.0000	-		0.0003	-	0.0011
L-YK0001	-	-	-	-	0.0143	-
N-BJ0030	-	-	-	0.0000	-	-
N-BP0033	-	-	-	0.0002	-	-
N-YJ0002	-	-	-	-	0.0158	-
P-YK0001	-	-	-	-	0.0143	-
S-DP0007	-	-	-	-	-	0.0000
Total	1.0057	0.2343	0.0003	0.0033	0.2009	0.0321

TOXIC AIR POLLUTANTS MODELED - STANDARD 8						
Source	Chlorine 77821-50-5	Chromium (+6) Compounds --	Cobalt Compounds --	Ethylidene Dichloride 75-34-3	Hydrochloric Acid 7647-01-0	Hydrogen Cyanide 74-90-8
A-GJ0009	-	-	-	-	-	-
B-QH0001	-	0.0008	-	-	-	-
E-WP0004	-	-	-	-	0.0200	-
F-BJ0011	-	-	0.0092	-	-	-

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TOXIC AIR POLLUTANTS MODELED - STANDARD 8						
Source	Chlorine 77821-50-5	Chromium (+6) Compounds --	Cobalt Compounds --	Ethylidene Dichloride 75-34-3	Hydrochloric Acid 7647-01-0	Hydrogen Cyanide 74-90-8
F-BJ0014	-	0.7550	0.0133	-	-	-
F-SP0023	-	-	-	-	-	-
G-EJ0019	-	-	-	-	-	-
H-PT0012	-	-	-	-	-	-
H-PT0019	-	-	-	-	-	-
H-WG0002	-	0.0140	0.0300	-	4.0000	3.8130
H-WS0002	-	-	-	-	0.1600	-
M-EP0003	-	-	-	-	-	-
M-EP0004	-	-	-	-	-	-
M-EP0006	-	-	-	-	-	-
M-EP2303	-	-	-	0.0009	-	-
M-EP2304	-	-	-	-	-	-
M-MJ2203	-	-	-	-	-	-
M-MJ5201	-	-	-	-	-	-
M-MP0411	-	-	-	-	0.2800	0.2700
P-EJ0001	-	-	-	-	-	-
S-DJ0001	1.7640	-	-	-	-	-
S-DP0001	-	-	-	-	-	-
S-DP0002	-	0.0000	0.0000	-	-	-
S-DP0007	-	-	0.0000	-	0.0000	-
S-SD0002	-	-	-	-	-	-
T-XT0304	-	-	-	-	-	-
Total	1.7640	0.7698	0.0525	0.0009	4.4600	4.0830

TOXIC AIR POLLUTANTS MODELED - STANDARD 8						
Source	Methyl Alcohol 67-56-1	Nickel Oxide 1313-99-1	Polycyclic Organic Matter --	Quinone 106-51-4	Sulfuric Acid 7664-93-9	Vinylidene Chloride 75-35-4
A-GJ0009	0.0001	-	-	-	-	-
B-QH0001	-	-	-	-	-	-
E-WP0004	0.0200	-	-	-	0.0200	-
F-BJ0011	-	-	-	-	-	-
F-BJ0014	-	-	-	-	-	-
F-SP0023	-	0.0000	-	-	-	-
G-EJ0019	-	-	-	-	-	0.0009
H-PT0012	-	-	-	-	0.0000	-
H-PT0019	-	-	-	-	0.0000	-
H-WG0002	0.0531	0.0531	0.0385	0.0960	0.0385	0.0527
H-WS0002	-	-	-	-	0.6000	-
M-EP0003	-	-	-	-	-	0.0201
M-EP0004	-	-	-	-	-	0.0141
M-EP0006	-	-	-	-	-	0.0003
M-EP2303	-	-	-	-	-	0.0003
M-EP2304	-	-	-	-	-	0.0137
M-MJ2203	-	-	-	-	0.0000	-
M-MJ5201	-	-	-	-	-	-
M-MP0411	-	-	-	-	-	-
P-EJ0001	-	-	-	-	-	0.0001
S-DJ0001	-	-	-	-	-	-
S-DP0001	-	-	-	0.0111	-	-
S-DP0002	-	-	0.0000	-	-	-
S-DP0007	0.0000	0.0000	-	-	-	-
S-SD0002	-	0.0000	-	-	-	-
T-XT0304	-	-	-	-	0.0000	-
Total	0.0732	0.0531	0.0385	0.1071	0.6585	0.1021

NOTE:A value of "0.000" indicates that the stack emits less than 5 x 10^{-4} lb/hr of the regulated pollutant from this particular stack. However, these values are captured in the total emissions which are reflected in the shaded rows in the above table.

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TOXIC AIR POLLUTANTS MODELED - STANDARD 8						
Source	Methyl Ethyl Ketone 78-93-3	Methyl Isobutyl Ketone 108-10-1		Source	Nitric Acid 7697-37-2	Oxalic Acid 144-62-7
A-GJ0009	0.0001	-		A-LJ0009	0.0029	-
A-GJ0022	0.0027	-		A-LT0002	0.0000	-
A-GP0018	0.0020	0.0020		E-WP0004	0.0200	0.0200
E-WP0004	0.0200	0.0200		F-SP0023	8.3520	-
F-BJ0007	0.9465	37.2000		F-SP0256	0.0001	-
H-BJ0003	2.9300	9.5400		F-ST0056	1.2870	-
H-BJ0048	32.6000	33.0400		F-ST0071	0.0001	-
H-BJ0067	-	0.7162		F-ST0079	0.0039	-
H-WG0002	0.0531	0.0385		H-RT0001	0.0056	-
H-WT0020	0.0000	-		H-SP0002	7.4520	-
H-WT0030	0.0500	-		H-ST0036	0.8974	-
L-PJ0001	0.1500	0.0800		H-WG0002	0.0385	0.0385
M-EP0006	0.0017	0.0010		H-WK0006	-	0.0365
M-EP2303	0.0000	0.0000		H-WK0007	0.0365	-
N-BJ0020	-	1.0700		H-WP0022	0.0035	-
N-BJ0021	0.3325	3.4100		H-WP0055	0.0025	0.0000
N-BJ0031	-	0.0000		H-WP0057	0.0173	-
N-BP0024	0.0025	0.0034		H-WS0002	0.4800	-
N-BP0025	0.0003	0.0009		H-WT0089	-	0.0000
N-BP0053	-	9.8700		H-WT0122	-	0.0000
N-BP0054	0.0090	0.0001		H-WT0132	0.2723	-
N-BP0055	0.0090	-		H-WT0145	0.0002	-
N-BP0067	0.0016	0.0023		M-MT4104	0.0002	-
N-BP0068	0.0003	0.0009		S-DK0006	0.1952	-
N-BP0069	0.0017	0.0024		S-DP0007	0.0569	0.0000
N-BT0032	0.0007	-		S-DP0009	0.0057	0.0000
N-BT0033	0.0008	-		S-DP0019	-	0.0000
				S-DP0067	0.0025	-
Total	**37.1144**	**94.9976**		S-DT0028	0.0111	-
				S-DT0029	0.0085	-
				Total	**19.2538**	**0.0950**

TOXIC AIR POLLUTANTS MODELED - STANDARD 8						
Source	Formaldehyde 50-00-0	Manganese Compounds --		Source	o-Xylene 95-47-6	p-Xylene 106-42-3
B-QH0001	0.0139	0.0002		A-YK0002	0.0411	0.0192
D-IJ0020	0.0004	-		B-VJ0003	0.0260	0.0121
E-WP0004	0.0200	-		H-WG0002	0.0531	0.0531
F-BJ0007	0.1228	-		K-PK0006	0.0006	0.0004
F-BJ0011	-	0.2940		K-PK0007	0.0012	0.0008
F-BJ0014	-	0.4450		K-PK0008	0.0005	0.0003
F-SP0023	-	0.0000		N-BJ0011	0.0423	0.0301
H-BJ0048	0.2610	-		N-BK0001	0.0030	0.0014
H-WG0002	0.0531	2.6030		N-BK0004	0.0014	0.0006
L-RP0025	-	0.0000		N-BK0005	0.0023	0.0011
N-BJ0020	0.0283	-		N-BK0006	0.0018	0.0008
N-BJ0027	0.7671	-		N-BK0007	0.0011	0.0005
N-BP0051	0.0000	-		N-BK0009	0.0009	0.0004
N-BP0052	0.0000	-		N-BK0010	0.0007	0.0003
N-BP0053	0.0208	-		N-BK0011	0.0013	0.0006
S-BJ0001	0.0000	-		N-BK0013	0.0002	0.0001
S-DP0002	-	0.0000		N-BK0014	0.0003	0.0002
S-DP0007	-	0.0000		N-BK0015	0.0002	0.0001
Total	**1.2873**	**3.3422**		N-BK0016	0.0008	0.0004

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TOXIC AIR POLLUTANTS MODELED - STANDARD 8						
Source	Formaldehyde 50-00-0	Manganese Compounds --		Source	o-Xylene 95-47-6	p-Xylene 106-42-3
				N-YJ0001	0.0137	0.0064
				Total	**0.1924**	**0.1290**

TOXIC AIR POLLUTANTS MODELED - STANDARD 8		
Source	Formic Acid 64-18-6	Sodium Hydroxide 1310-73-2
A-KJ0002	-	0.0009
A-LJ0009	-	0.0000
E-WP0004	0.0200	0.0200
F-ST0054	-	0.0000
F-ST0055	-	0.0000
H-PJ0010	-	0.0000
H-ST0017	-	0.0000
H-ST0018	-	0.0000
H-WG0002	0.0531	0.0500
H-WK0006	-	0.0708
H-WK0007	-	0.0365
H-WP0045	-	0.0000
H-WP0054	-	0.0000
H-WP0055	-	0.0000
H-WT0020	0.0002	-
H-WT0021	-	0.0000
H-WT0113	-	0.0000
H-WT0115	-	0.0000
H-WT0145	-	0.0000
H-WT0131	-	0.0001
M-MJ2203	-	0.0000
M-MT4103	-	0.0000
M-MT4105	-	0.0000
S-DK0003	0.0037	-
S-DK0006	0.1872	0.2808
S-DP0002	-	0.0000
S-DP0007	0.2000	0.0000
S-DP0009	0.0011	0.0000
S-DP0019	0.0001	-
S-DT0031	-	0.0000
S-DT0032	-	0.0000
S-DT0033	-	0.0000
S-DT0035	0.0008	0.0000
S-DT0036	0.0008	0.0000
S-DT0043	0.0005	-
S-DT0045	-	0.0000
S-DT0046	0.0010	-
T-XT0303	-	0.0000
Total	**0.4684**	**0.4592**

TOXIC AIR POLLUTANTS MODELED - STANDARD 8						
Source	Carbon Tetrachloride 56-23-5	Chloroform 67-66-3	Methylene Chloride 75-09-2	Tetrachloroethylene 127-18-4	1,1,1-Trichloroethane 71-55-6	Trichloroethylene (TCE) 79-01-6
A-EJ0001	-	-	-	0.0078	-	0.0112
A-EJ0002	-	-	0.0002	0.0023	-	0.0284
A-EJ0003	-	-	0.0002	0.0023	-	0.0284
A-EJ0004	-	-	0.0002	0.0023	-	0.0284

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TOXIC AIR POLLUTANTS MODELED - STANDARD 8						
Source	Carbon Tetrachloride 56-23-5	Chloroform 67-66-3	Methylene Chloride 75-09-2	Tetrachloroethylene 127-18-4	1,1,1-Trichloroethane 71-55-6	Trichloroethylene (TCE) 79-01-6
A-EJ0005	-	-	0.0002	0.0023	-	0.0284
A-EJ0006	-	-	0.0002	0.0023	-	0.0284
A-EJ0007	-	-	0.0002	0.0023	-	0.0284
A-EJ0008	-	-	0.0002	0.0023	-	0.0284
A-EJ0009	-	-	0.0002	0.0023	-	0.0284
A-EJ0010	-	-	0.0002	0.0023	-	0.0284
A-EJ0011	-	-	0.0002	0.0023	-	0.0284
A-EJ0012	-	-	-	0.0000	-	0.0000
A-EJ0013	0.0000	0.0000	-	0.0052	0.0000	0.0023
A-EP0001	0.5740	-	-	2.0600	-	2.2900
A-GJ0009	-	-	-	-	0.0001	-
A-GJ0012	-	-	0.0041	-	-	-
A-GP0018	-	-	0.0020	-	0.0002	-
C-EP0001	-	-	8.9300	8.9300	-	8.9300
D-EJ0001	-	-	-	0.0008	-	0.0049
E-WP0004	0.0200	0.0200	-	0.0200	-	0.0200
G-EJ0019	-	-	0.0034	0.0788	-	0.0450
G-EJ0019	-	-	-	0.0050	-	0.0500
G-EP0001	-	-	-	6.4000	-	0.4950
G-EP0004	-	-	-	0.0300	-	0.2700
G-EP0005	-	-	-	0.0300	-	0.2700
G-EP0006	-	-	-	0.0300	-	0.2700
G-EP0007	-	-	-	0.0300	-	0.2700
G-EP0008	-	-	-	0.0300	-	0.2700
G-EP0009	-	-	-	0.0300	-	0.2700
G-EP0010	-	-	-	0.0300	-	0.2700
G-EP0011	-	-	-	0.0300	-	0.2700
G-EP0012	-	-	-	0.0300	-	0.2700
G-EP0013	-	-	-	0.0300	-	0.2700
G-EP0014	-	-	-	0.0300	-	0.2700
G-EP0015	-	-	-	0.0300	-	0.2700
G-EP0016	-	-	2.3800	108.4000	-	0.4900
G-EP0017	3.1100	1.3000	19.8300	160.0000	0.2100	26.5900
G-EP0018	0.5700	-	2.1200	9.7000	-	2.2900
G-EP0019	0.0002	-	0.0002	0.0020	-	0.0100
G-EP0020	0.0002	-	0.0002	0.0020	-	0.0160
G-EP0021	0.0002	-	0.0002	0.0020	-	0.0160
G-EP0022	0.0002	-	0.0002	0.0020	-	0.0160
G-EP0023	0.0002	-	0.0002	0.0020	-	0.0100
G-EP0024	0.0002	-	0.0002	0.0002	-	0.0100
G-EP0025	0.0002	-	0.0002	0.0002	-	0.0100
G-EP0026	0.0002	-	0.0002	0.0002	-	0.0100
G-EP0027	0.0002	-	0.0002	-	-	0.0020
G-EP0028	0.0002	-	0.0002	-	-	0.0040
G-EP0029	0.0002	-	0.0002	-	-	0.0020
H-WG0002	0.0531	0.0531	0.0531	0.0531	0.0385	0.0531
H-WT0020	0.0006	-	0.0029	-	0.0007	-
H-WT0030	0.0000	0.0001	-	0.0003	-	0.0003
K-RJ0001	-	-	-	-	0.0008	-
M-EJ0001	-	-	-	0.0260	-	0.0038
M-EP0003	0.0004	0.0196	-	29.7800	0.4160	1.8880
M-EP0004	0.0006	0.0005	-	1.3900	0.1178	0.2570
M-EP0005	0.0017	0.0515	-	43.5900	0.1231	1.5100
M-EP0006	0.0000	0.0002	0.0125	6.7200	0.0001	6.7200
M-EP2303	0.0000	0.0002	0.0000	6.7200	0.0001	1.8400
M-EP2304	0.0260	0.0074	-	23.8200	0.0447	3.7750

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TOXIC AIR POLLUTANTS MODELED - STANDARD 8						
Source	Carbon Tetrachloride 56-23-5	Chloroform 67-66-3	Methylene Chloride 75-09-2	Tetrachloroethylene 127-18-4	1,1,1-Trichloroethane 71-55-6	Trichloroethylene (TCE) 79-01-6
N-BT0032	-	-	-	-	0.0001	-
N-BT0033	-	-	-	-	0.0002	-
N-BJ0031	-	-	0.0000	-	-	-
P-EJ0001	-	-	-	0.0001	-	0.0001
T-EP0006	0.0175	0.0005	-	0.0010	-	0.0500
T-XJ0008	-	-	-	0.0001	-	-
T-XP0019	-	-	-	0.0008	-	-
DUS system	102	173	-	110.6	6580	224.0000
SGCP SVEU	0.2740	1.1400	1.1400	34.2	1.14	8.2200
Total	**106.6501**	**175.2853**	**34.4824**	**552.8764**	**6582.0924**	**279.9495**

TOXIC AIR POLLUTANTS MODELED - STANDARD 8						
Source	Benzene 71-43-2	Cresol 1319-77-3	Cumene 98-82-8	Diphenyl (Biphenyl) 92-52-4	Hexane 110-54-3	Mercury 7439-97-6
A-PJ0021	-	-	-	-	-	0.0000
A-YK0001	0.0190	-	-	-	-	-
A-YK0002	0.0110	-	-	-	-	-
A-YT0002	0.0065	0.0000	0.0002	0.0000	0.0130	-
A-YT0003	0.2027	-	-	-	0.3604	-
A-YT0004	0.2027	-	-	-	0.3604	-
B-QH0001	-	-	-	-	0.0031	0.0000
B-QT0001	0.0036	0.0000	0.0000	0.0000	0.0064	-
B-QT0002	0.0036	0.0000	0.0000	0.0000	0.0064	-
B-VJ0003	0.0069	-	-	-	-	-
B-VT0001	0.0010	0.0000	0.0000	0.0000	0.0020	-
D-IJ0020	-	-	-	-	0.0001	-
D-IT0021	0.0017	0.0000	0.0000	0.0000	0.0030	-
E-WP0004	0.0200	0.0200	-	-	-	0.0200
F-QT0001	0.0000	0.0000	0.0000	0.0000	0.0000	-
F-QT0002	0.0000	0.0000	0.0000	0.0000	0.0000	-
F-SK0001	0.0011	0.0000	0.0000	0.0000	0.0023	-
F-SK0002	0.0005	0.0000	0.0000	0.0000	0.0011	-
F-SK0003	0.0361	0.0000	0.0012	0.0000	0.0722	-
F-SK0004	0.0161	0.0000	0.0006	0.0000	0.0323	-
F-SP0023	-	-	-	-	-	0.1333
F-SP0207	1.0000	-	-	-	-	-
F-ST0022	0.0001	0.0000	0.0000	0.0000	0.0001	-
F-ST0171	0.0002	0.0000	0.0000	0.0000	0.0003	-
F-ST0172	0.0000	0.0000	0.0000	0.0000	0.0001	-
F-ST0173	0.0000	0.0000	0.0000	0.0000	0.0001	-
F-WP0001	-	-	-	-	-	0.0000
F-WT0004	-	-	-	-	-	0.0000
F-WT0007	-	-	-	-	-	0.0000
F-WT0012	-	-	-	-	-	0.0000
F-WT0015	-	-	-	-	-	0.0000
F-WT0019	-	-	-	-	-	0.0000
F-WT0024	-	-	-	-	-	0.0000
F-WT0025	-	-	-	-	-	0.0000
F-WT0026	-	-	-	-	-	0.0000
F-WT0030	-	-	-	-	-	0.0000
F-WT0034	-	-	-	-	-	0.0000
F-WT0040	-	-	-	-	-	0.0000
F-WT0042	-	-	-	-	-	0.0000
F-WT0048	-	-	-	-	-	0.0000
F-WT0051	-	-	-	-	-	0.0000

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TOXIC AIR POLLUTANTS MODELED - STANDARD 8						
Source	Benzene 71-43-2	Cresol 1319-77-3	Cumene 98-82-8	Diphenyl (Biphenyl) 92-52-4	Hexane 110-54-3	Mercury 7439-97-6
F-WT0056	-	-	-	-	-	0.0000
F-WT0060	-	-	-	-	-	0.0000
F-WT0065	-	-	-	-	-	0.0000
F-WT0073	-	-	-	-	-	0.0000
F-WT0077	-	-	-	-	-	0.0000
F-WT0078	-	-	-	-	-	0.0000
F-WT0083	-	-	-	-	-	0.0000
F-WT0087	-	-	-	-	-	0.0000
F-WT0096	-	-	-	-	-	0.0000
F-WT0100	-	-	-	-	-	0.0000
G-PT0023	0.0001	0.0000	0.0000	0.0000	0.0001	-
G-WT0001	0.0100	-	-	-	-	-
G-YJ0003	0.0043	-	-	-	-	-
G-YK0001	0.0043	-	-	-	-	-
G-YT0002	0.0098	-	-	-	0.0175	-
G-YT0005	0.0098	-	-	-	0.0175	-
G-YT0006	0.0001	0.0000	0.0000	0.0000	0.0003	-
G-YT0007	0.0041	-	-	-	0.0073	-
H-PJ0002	-	-	-	-	-	0.0000
H-QT0002	0.0000	0.0000	0.0000	0.0000	0.0000	-
H-SJ0025	-	-	-	-	-	0.0000
H-SK0006	0.0160	0.0000	0.0005	0.0000	0.0320	-
H-SK0007	0.0327	0.0000	0.0011	0.0000	0.0648	-
H-SP0002	-	-	-	-	-	0.0700
H-ST0027	0.0000	0.0000	0.0000	0.0000	0.0001	-
H-ST0032	0.0002	0.0000	0.0000	0.0000	0.0003	-
H-ST0034	0.0000	0.0000	0.0000	0.0000	0.0001	-
H-ST0037	0.0000	0.0000	0.0000	0.0000	0.0001	-
H-ST0038	0.0000	0.0000	0.0000	0.0000	0.0001	-
H-WG0002	0.0838	0.0531	0.0531	0.0165	0.0385	0.6461
H-WP0020	-	-	-	-	-	0.0000
H-WP0021	-	-	-	-	-	0.0000
H-WP0022	-	-	-	-	-	0.0000
H-WP0024	-	-	-	-	-	0.0000
H-WP0028	-	-	-	-	-	0.0000
H-WP0045	-	-	-	-	-	0.0000
H-WP0050	-	-	-	-	-	0.0000
H-WP0064	1.3700	-	-	-	-	0.0000
H-WP0066	-	-	-	-	-	0.0000
H-WT0016	0.0002	0.0000	0.0000	0.0000	0.0004	-
H-WT0020	0.0001	-	-	0.0001	-	-
H-WT0030	0.0009	-	-	-	-	-
H-WT0031	-	-	-	-	-	0.0000
H-WT0032	-	-	-	-	-	0.0000
H-WT0038	-	-	-	-	-	0.0000
H-WT0039	0.0101	-	-	-	-	0.0000
H-WT0040	-	-	-	-	-	0.0000
H-WT0041	-	-	-	-	-	0.0000
H-WT0042	-	-	-	-	-	0.0000
H-WT0043	-	-	-	-	-	0.0000
H-WT0044	-	-	-	-	-	0.0000
H-WT0045	-	-	-	-	-	0.0000
H-WT0046	-	-	-	-	-	0.0000
H-WT0047	-	-	-	-	-	0.0000
H-WT0048	-	-	-	-	-	0.0000
H-WT0049	-	-	-	-	-	0.0000

NOTE:A value of "0.000" indicates that the stack emits less than 5×10^{-4} lb/hr of the regulated pollutant from this particular stack. However, these values are captured in the total emissions which are reflected in the shaded rows in the above table.

ATTACHMENT A

Modeled Emission Rates

U. S. Department of Energy
Washington Savannah River Company - Savannah River Site
TV-0080-0041

TOXIC AIR POLLUTANTS MODELED - STANDARD 8						
Source	Benzene 71-43-2	Cresol 1319-77-3	Cumene 98-82-8	Diphenyl (Biphenyl) 92-52-4	Hexane 110-54-3	Mercury 7439-97-6
H-WT0050	-	-	-	-	-	0.0000
H-WT0051	-	-	-	-	-	0.0000
H-WT0052	-	-	-	-	-	0.0000
H-WT0053	-	-	-	-	-	0.0000
H-WT0054	-	-	-	-	-	0.0000
H-WT0055	0.0303	-	-	-	-	0.0000
H-WT0056	-	-	-	-	-	0.0000
H-WT0057	0.0083	-	-	-	-	0.0000
H-WT0058	-	-	-	-	-	0.0000
H-WT0094	-	-	-	-	-	0.0000
H-WT0095	-	-	-	-	-	0.0000
H-WT0096	-	-	-	-	-	0.0000
H-WT0097	-	-	-	-	-	0.0000
H-WT0103	-	-	-	-	-	0.0000
H-WT0105	-	-	-	-	-	0.0000
H-WT0107	-	-	-	-	-	0.0000
H-WT0145	-	-	-	-	-	0.0115
K-PK0006	0.0003	-	-	-	-	-
K-PK0007	0.0007	-	-	-	-	-
K-PK0008	0.0003	-	-	-	-	-
K-PT0017	0.0008	0.0000	0.0000	0.0000	0.0016	-
K-PT0018	0.0008	0.0000	0.0000	0.0000	0.0016	-
K-RT0006	0.0001	0.0000	0.0000	0.0000	0.0003	-
K-YJ0001	0.0038	-	-	-	-	-
K-YT0001	0.0049	-	-	-	0.0087	-
L-YK0001	0.0038	-	-	-	-	-
L-YT0001	0.0049	-	-	-	0.0087	-
M-EP2303	0.0000	-	-	-	-	-
N-BJ0011	0.0329	-	-	-	-	-
N-BJ0015	-	-	-	-	-	0.0014
N-BK0001	0.0008	-	-	-	-	-
N-BK0004	0.0004	-	-	-	-	-
N-BK0005	0.0006	-	-	-	-	-
N-BK0006	0.0005	-	-	-	-	-
N-BK0007	0.0003	-	-	-	-	-
N-BK0009	0.0002	-	-	-	-	-
N-BK0010	0.0002	-	-	-	-	-
N-BK0011	0.0003	-	-	-	-	-
N-BK0013	0.0001	-	-	-	-	-
N-BK0014	0.0001	-	-	-	-	-
N-BK0015	0.0001	-	-	-	-	-
N-BK0016	0.0002	-	-	-	-	-
N-BP0054	0.0000	-	-	-	-	-
N-BP0055	0.0000	-	-	-	-	-
N-BT0007	0.1370	-	-	-	0.2436	-
N-BT0012	0.0004	-	-	-	0.0006	-
N-BT0018	0.0000	0.0000	0.0000	0.0000	0.0000	-
N-BT0022	0.0000	0.0000	0.0000	0.0000	0.0001	-
N-BT0023	0.0000	0.0000	0.0000	0.0000	0.0001	-
N-BT0024	0.0000	0.0000	0.0000	0.0000	0.0001	-
N-BT0025	0.0000	0.0000	0.0000	0.0000	0.0000	-
N-BT0026	0.0000	0.0000	0.0000	0.0000	0.0000	-
N-BT0027	0.0000	0.0000	0.0000	0.0000	0.0000	-
N-BT0028	0.0001	0.0000	0.0000	0.0000	0.0002	-
N-GT0304	0.0750	-	-	-	0.1333	-
N-GT0305	0.0002	0.0000	0.0000	0.0000	0.0003	-

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ATTACHMENT A

Modeled Emission Rates

U. S. Department of Energy
Washington Savannah River Company - Savannah River Site
TV-0080-0041

TOXIC AIR POLLUTANTS MODELED - STANDARD 8						
Source	Benzene 71-43-2	Cresol 1319-77-3	Cumene 98-82-8	Diphenyl (Biphenyl) 92-52-4	Hexane 110-54-3	Mercury 7439-97-6
N-GT0306	0.0002	0.0000	0.0000	0.0000	0.0003	-
N-GT0307	0.0001	0.0000	0.0000	0.0000	0.0001	-
N-YJ0001	0.0037	-	-	-	-	-
N-YJ0002	0.0042	-	-	-	-	-
N-YT0001	0.0003	0.0000	0.0000	0.0000	0.0006	-
N-YT0002	0.0098	-	-	-	0.0175	-
N-ZT0001	0.0000	0.0000	0.0000	0.0000	0.0000	-
P-PK0005	0.0002	0.0000	0.0000	0.0000	0.0004	-
P-YK0001	0.0038	-	-	-	-	-
S-BJ0001	0.0000	-	-	-	-	-
S-DP0002	-	-	-	0.0000	-	-
S-DT0007	0.0003	0.0000	0.0000	0.0000	0.0006	0.0168
T-XT0002	0.0001	0.0000	0.0000	0.0000	0.0001	-
Z-DP0091	0.2000	-	-	-	-	0.0000
Z-DT0042	0.0000	0.0000	0.0000	0.0000	0.0001	-
Z-WT0001	0.0002	-	-	-	-	-
DUS system	-	-	-	-	-	0.15
Total	**10.6451**	**0.0731**	**0.0570**	**0.4067**	**1.4615**	**1.0526**

TOXIC AIR POLLUTANTS MODELED - STANDARD 8				
Source	Ethyl Benzene 100-41-4	Naphthalene 91-20-3	Nickel 7440-02-0	Phenol 108-95-2
A-GP0007	-	-	0.0002	-
A-GT0007	-	-	-	0.0000
A-GP0018	0.0002	-	-	-
A-PJ0021	-	-	0.0006	-
A-YK0001	0.0095	-	-	-
A-YT0002	0.0005	0.0000	-	0.0000
A-YT0003	0.0225	-	-	-
A-YT0004	0.0225	-	-	-
B-QH0001	-	-	0.0002	-
B-QT0001	0.0004	0.0000	-	0.0000
B-QT0002	0.0004	0.0000	-	0.0000
B-VT0001	0.0001	0.0000	-	0.0000
D-IT0021	0.0002	0.0000	-	0.0000
E-WP0004	-	0.0200	-	-
F-BJ0007	27.4100	-	-	-
F-BJ0011	-	-	0.3350	-
F-BJ0013	-	-	0.0110	-
F-BJ0014	-	-	0.4240	-
F-PJ0006	-	-	0.0002	-
F-QT0001	0.0000	0.0000	-	0.0000
F-QT0002	0.0000	0.0000	-	0.0000
F-SK0001	0.0001	0.0000	-	0.0000
F-SK0002	0.0000	0.0000	-	0.0000
F-SK0003	0.0025	0.0002	-	0.0000
F-SK0004	0.0011	0.0001	-	0.0000
F-ST0022	0.0000	0.0000	-	0.0000
F-ST0171	0.0000	0.0000	-	0.0000
F-ST0172	0.0000	0.0000	-	0.0000
F-ST0173	0.0000	0.0000	-	0.0000
G-PT0023	0.0000	0.0000	-	0.0000
G-YJ0003	0.0022	-	-	-
G-YK0001	0.0022	-	-	-
G-YT0002	0.0011	-	-	-

NOTE:A value of "0.000" indicates that the stack emits less than 5 x 10^{-4} lb/hr of the regulated pollutant from this particular stack. However, these values are captured in the total emissions which are reflected in the shaded rows in the above table.

ATTACHMENT A

Modeled Emission Rates

U. S. Department of Energy
Washington Savannah River Company - Savannah River Site
TV-0080-0041

TOXIC AIR POLLUTANTS MODELED - STANDARD 8				
Source	Ethyl Benzene 100-41-4	Naphthalene 91-20-3	Nickel 7440-02-0	Phenol 108-95-2
G-YT0005	0.0011	-	-	-
G-YT0006	0.0000	0.0000	-	0.0000
G-YT0007	0.0005	-	-	-
H-BJ0003	7.2000	-	-	-
H-BJ0048	22.0000	-	-	-
H-BJ0067	0.1262	-	-	-
H-PJ0002	-	-	0.0000	-
H-QT0002	0.0000	0.0000	-	0.0000
H-SK0006	0.0011	0.0001	-	0.0000
H-SK0007	0.0022	0.0002	-	0.0000
H-SP0002	-	-	0.0104	-
H-ST0027	0.0000	0.0000	-	0.0000
H-ST0032	0.0000	0.0000	-	0.0000
H-ST0034	0.0000	0.0000	-	0.0000
H-ST0037	0.0000	0.0000	-	0.0000
H-ST0038	0.0000	0.0000	-	0.0000
H-TP0025	-	-	0.0340	-
H-TP0045	-	-	0.0064	-
H-WG0002	0.0531	0.0531	0.1712	0.0531
H-WP0045	-	-	-	0.0000
H-WT0016	0.0000	0.0000	-	0.0000
H-WT0020	-	-	-	0.0000
K-BJ0005	-	-	0.0216	
K-PT0017	0.0001	0.0000	-	0.0000
K-PT0018	0.0001	0.0000	-	0.0000
K-RT0006	0.0000	0.0000	-	0.0000
K-YJ0001	0.0019	-	-	-
K-YT0001	0.0005	-	-	-
L-YK0001	0.0019	-	-	-
L-YT0001	0.0005	-	-	-
M-EP0006	0.0002	-	-	0.0006
M-EP2303	0.0000	-	-	0.0000
N-BJ0003	-	-	0.0216	-
N-BJ0004	-	-	0.0002	-
N-BJ0011	-	-	0.0648	-
N-BJ0020	9.2300	-	-	-
N-BJ0021	3.0360	-	-	-
N-BJ0022	-	-	0.0002	-
N-BJ0031	0.0000	-	-	-
N-BP0001	-	-	0.0434	-
N-BP0002	-	-	0.0414	-
N-BP0003	-	-	0.0110	-
N-BP0004	-	-	0.0104	-
N-BP0005	-	-	0.0728	-
N-BP0006	-	-	0.1910	-
N-BP0007	-	-	0.1580	-
N-BP0012	-	-	0.0004	-
N-BP0013	-	-	0.1080	-
N-BP0014	-	-	0.0216	-
N-BP0015	-	-	0.0109	-
N-BP0018	-	-	0.0219	-
N-BP0019	-	-	0.0415	-
N-BP0020	-	-	0.0002	-
N-BP0021	-	-	0.0935	-
N-BP0022	-	-	0.0280	-
N-BP0023	-	-	0.0733	-

NOTE:A value of "0.000" indicates that the stack emits less than 5×10^{-4} lb/hr of the regulated pollutant from this particular stack. However, these values are captured in the total emissions which are reflected in the shaded rows in the above table.

ATTACHMENT A

Modeled Emission Rates

U. S. Department of Energy
Washington Savannah River Company - Savannah River Site
TV-0080-0041

TOXIC AIR POLLUTANTS MODELED - STANDARD 8				
Source	Ethyl Benzene 100-41-4	Naphthalene 91-20-3	Nickel 7440-02-0	Phenol 108-95-2
N-BP0024	0.0036	-	-	-
N-BP0025	0.0001	-	-	-
N-BP0029	-	-	0.0112	-
N-BP0030	-	-	0.2720	-
N-BP0031	-	-	0.0002	-
N-BP0032	-	-	0.0002	-
N-BP0034	-	-	0.2070	-
N-BP0036	-	-	0.0216	-
N-BP0044	-	-	0.0110	-
N-BP0045	-	-	0.0002	-
N-BP0046	-	-	0.0744	-
N-BP0047	-	-	0.0744	-
N-BP0048	-	-	0.0537	-
N-BP0053	68.3000	-	-	-
N-BP0054	0.0004	-	-	-
N-BP0055	0.0004	-	-	-
N-BP0058	-	-	0.0000	-
N-BP0067	0.0024	-	-	-
N-BP0068	0.0004	-	-	-
N-BP0069	0.0025	-	-	-
N-BP0070	-	-	0.0860	-
N-BP0072	-	-	0.0415	-
N-BT0007	0.0152	-	-	-
N-BT0012	0.0000	-	-	-
N-BT0018	0.0000	0.0000	-	0.0000
N-BT0022	0.0000	0.0000	-	0.0000
N-BT0023	0.0000	0.0000	-	0.0000
N-BT0024	0.0000	0.0000	-	0.0000
N-BT0025	0.0000	0.0000	-	0.0000
N-BT0026	0.0000	0.0000	-	0.0000
N-BT0027	0.0000	0.0000	-	0.0000
N-BT0028	0.0000	0.0000	-	0.0000
N-BT0032	0.0000	-	-	-
N-BT0033	0.0000	-	-	-
N-GT0302	0.0000	-	-	-
N-GT0304	0.0083	-	-	-
N-GT0305	0.0000	0.0000	-	0.0000
N-GT0306	0.0000	0.0000	-	0.0000
N-GT0307	0.0000	0.0000	-	0.0000
N-YJ0002	0.0021	-	-	-
N-YT0001	0.0000	0.0000	-	0.0000
N-YT0002	0.0011	-	-	-
N-ZT0001	0.0000	0.0000	-	0.0000
P-PK0005	0.0000	0.0000	-	0.0000
P-YK0001	0.0019	-	-	-
S-BJ0001	-	-	0.0540	-
S-BP0003	-	-	0.1300	-
S-DJ0001	-	-	0.0627	-
S-DP0001	-	-	-	0.0000
S-DP0002	-	-	-	0.0000
S-DT0007	0.0000	0.0000	-	0.0000
T-XT0002	0.0000	0.0000	-	0.0000
T-XT0275	0.0000	-	-	-
Z-DT0042	0.0000	0.0000	-	0.0000
Total	**137.4696**	**0.0737**	**3.1289**	**0.1951**

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Modeled Emission Rates

U. S. Department of Energy
Washington Savannah River Company - Savannah River Site
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TOXIC AIR POLLUTANTS MODELED - STANDARD 8				
Source	Styrene 100-42-5	Toluene 108-88-3	2,2,4-Trimethylpentane 540-84-1	Xylene (Mixed Isomers) 1330-20-7
A-GJ0009	-	0.0001	-	0.0001
A-GJ0012	-	0.0072	-	0.3240
A-GJ0013	-	-	-	0.3115
A-GJ0022	-	0.0027	-	0.0027
A-GP0003	-	-	-	0.0060
A-GP0005	-	-	-	0.0816
A-GP0006	-	-	-	0.0816
A-GP0018	-	-	-	0.0020
A-GT0007	-	-	-	0.0000
A-YK0001	-	0.1043	-	0.0475
A-YK0002	-	0.0137	-	0.0742
A-YT0002	0.0000	0.0023	0.0001	0.0011
A-YT0003	-	0.2928	0.0046	0.1126
A-YT0004	-	0.2928	0.0046	0.1126
B-QT0001	0.0000	0.0050	0.0001	0.0019
B-QT0002	0.0000	0.0050	0.0001	0.0019
B-VJ0003		0.0086	-	0.0466
B-VT0001	0.0000	0.0003	0.0000	0.0002
D-IT0021	0.0000	0.0024	0.0000	0.0009
E-WP0004		0.0200	-	0.0200
F-BJ0007		57.9700	-	95.2300
F-QT0001	0.0000	0.0000	0.0000	0.0000
F-QT0002	0.0000	0.0000	0.0000	0.0000
F-SK0001	0.0000	0.0004	0.0000	0.0002
F-SK0002	0.0000	0.0002	0.0000	0.0001
F-SK0003	0.0002	0.0126	0.0008	0.0059
F-SK0004	0.0001	0.0056	0.0004	0.0026
F-ST0022	0.0000	0.0000	0.0000	0.0000
F-ST0171	0.0000	0.0001	0.0000	0.0000
F-ST0172	0.0000	0.0000	0.0000	0.0000
F-ST0173	0.0000	0.0000	0.0000	0.0000
G-EP0017	-	9.0400	-	-
G-EP0019	-	0.0004	-	-
G-EP0020	-	0.0004	-	-
G-EP0021	-	0.0004	-	-
G-EP0022	-	0.0004	-	-
G-EP0023	-	0.0004	-	-
G-EP0024	-	0.0004	-	-
G-EP0025	-	0.0004	-	-
G-EP0026	-	0.0004	-	-
G-EP0027	-	0.0004	-	-
G-EP0028	-	0.0004	-	-
G-EP0029	-	0.0004	-	-
G-PT0023	0.0000	0.0000	0.0000	0.0000
G-YJ0003	-	0.0240	-	0.0109
G-YK0001	-	0.0240	-	0.0109
G-YT0002	-	0.0142	0.0002	0.0055
G-YT0005	-	0.0142	0.0002	0.0055
G-YT0006	0.0000	0.0000	0.0000	0.0000
G-YT0007	-	0.0059	0.0001	0.0023
H-BJ0003	-	0.0211	-	38.0000
H-BJ0048	-	17.0000	-	311.0000
H-BJ0067	-	0.0677	-	0.9400
H-PJ0002	-	0.0000	0.0000	0.0000

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U. S. Department of Energy
Washington Savannah River Company - Savannah River Site
TV-0080-0041

TOXIC AIR POLLUTANTS MODELED - STANDARD 8				
Source	Styrene 100-42-5	Toluene 108-88-3	2,2,4-Trimethylpentane 540-84-1	Xylene (Mixed Isomers) 1330-20-7
H-QT0002	0.0000	-	-	-
H-SK0006	0.0001	0.0056	0.0004	0.0026
H-SK0007	0.0002	0.0113	0.0007	0.0053
H-ST0027	0.0000	0.0000	0.0000	0.0000
H-ST0032	0.0000	0.0001	0.0000	0.0000
H-ST0034	0.0000	0.0000	0.0000	0.0000
H-ST0037	0.0000	0.0000	0.0000	0.0000
H-ST0038	0.0000	0.0000	0.0000	0.0000
H-WG0002	0.0385	0.0001	0.0385	-
H-WT0016	0.0000	0.0001	0.0000	0.0000
H-WT0020		0.0000	-	0.0000
H-WT0138	-	0.0000	-	-
K-PK0006	-	0.0004	-	-
K-PK0007	-	0.0008	-	0.0044
K-PK0008	-	0.0003	-	0.0018
K-PT0017	0.0000	0.0003	0.0000	0.0001
K-PT0018	0.0000	0.0003	0.0000	0.0001
K-RT0006	0.0000	0.0000	0.0000	0.0000
K-YJ0001	-	0.0209	-	0.0095
K-YT0001	-	0.0071	0.0001	0.0027
L-PJ0001	-	0.6800	-	0.4500
L-YK0001	-	0.0209	-	0.0095
L-YT0001	-	0.0071	0.0001	0.0027
M-EP0006	-	0.0002	-	0.0008
M-EP2303	-	0.0000	-	0.0000
M-MJ5201	-	-	0.0868	-
N-BJ0011	-	0.0348	-	-
N-BJ0015	-	0.0019	-	-
N-BJ0020	-	0.0620	-	9.6600
N-BJ0021	-	1.8100	-	14.3300
N-BJ0031	-	0.0000	-	0.0000
N-BK0001	-	0.0010	-	0.0531
N-BK0004	-	0.0005	-	0.0025
N-BK0005	-	0.0008	-	0.0041
N-BK0006	-	0.0006	-	0.0033
N-BK0007	-	0.0004	-	0.0020
N-BK0009	-	0.0003	-	0.0016
N-BK0010	-	0.0002	-	0.0012
N-BK0011	-	0.0004	-	0.0023
N-BK0013	-	0.0001	-	0.0004
N-BK0014	-	0.0001	-	0.0006
N-BK0015	-	0.0001	-	0.0004
N-BK0016	-	0.0003	-	0.0014
N-BP0024	-	0.0032	-	0.0036
N-BP0025	-	0.0001	-	0.0015
N-BP0053	-	23.0000	-	74.9000
N-BP0054	-	0.0013	-	0.0085
N-BP0055	-	0.0013	-	0.0085
N-BP0067	-	0.0021	-	0.0024
N-BP0068	-	0.0003	-	0.0015
N-BP0069	-	0.0022	-	0.0025
N-BT0007	-	0.1979	0.0031	0.0761
N-BT0012	-	0.0005	0.0000	0.0002
N-BT0018	0.0000	0.0000	0.0000	0.0000
N-BT0022	0.0000	0.0000	0.0000	0.0000
N-BT0023	0.0000	0.0000	0.0000	0.0000

NOTE:A value of "0.000" indicates that the stack emits less than 5×10^{-4} lb/hr of the regulated pollutant from this particular stack. However, these values are captured in the total emissions which are reflected in the shaded rows in the above table.

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Washington Savannah River Company - Savannah River Site
TV-0080-0041

TOXIC AIR POLLUTANTS MODELED - STANDARD 8				
Source	Styrene 100-42-5	Toluene 108-88-3	2,2,4-Trimethylpentane 540-84-1	Xylene (Mixed Isomers) 1330-20-7
N-BT0024	0.0000	0.0000	0.0000	0.0000
N-BT0025	0.0000	0.0000	0.0000	0.0000
N-BT0026	0.0000	0.0000	0.0000	0.0000
N-BT0027	0.0000	0.0000	0.0000	0.0000
N-BT0028	0.0000	0.0000	0.0000	0.0000
N-BT0032	-	0.0001	-	0.0002
N-BT0033	-	0.0001	-	0.0002
N-GT0302	-	0.0001	-	0.0000
N-GT0304	-	0.1083	0.0017	0.0417
N-GT0305	0.0000	0.0001	0.0000	0.0000
N-GT0306	0.0000	0.0001	0.0000	0.0000
N-GT0307	0.0000	0.0000	0.0000	0.0000
N-YJ0001	-	0.0046	-	0.0247
N-YJ0002	-	0.0233	-	0.0106
N-YT0001	0.0000	0.0001	0.0000	0.0001
N-YT0002	-	0.0142	0.0002	0.0055
N-ZT0001	0.0000	0.0000	0.0000	0.0000
P-PK0005	0.0000	0.0001	0.0000	0.0000
P-YK0001	-	0.0209	-	0.0095
S-BJ0001	-	0.0000	-	-
S-DT0007	0.0000	0.0001	0.0000	-
T-XT0002	0.0000	0.0000	0.0000	0.0000
Z-DT0042	0.0000	0.0000	0.0000	0.0000
SGCP SVEU	-	0.183	-	-
Total	**0.0393**	**111.1945**	**0.1433**	**546.0925**

NOTE:A value of "0.000" indicates that the stack emits less than 5 x 10^{-4} lb/hr of the regulated pollutant from this particular stack. However, these values are captured in the total emissions which are reflected in the shaded rows in the above table.

ATTACHMENT B

Insignificant Activities (A Area) (Revised 7/3/03)

U. S. Department of Energy
Washington Savannah River Company - Savannah River Site
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The following table contains a list of activities located at the Savannah River Site's A-Area which are considered insignificant pursuant to SC Regulation 61-62.70.5(c). Sources listed below are not exempt from any otherwise applicable state or federal requirements including, but not limited to, opacity standards, ambient air quality standards, and air toxic standards.

ID	General Description	Basis
01BA	717-A Machine Shop Rockford Planer (Fugitive Emissions)	Emission Level
024A*	503-2A Emergency Diesel Generator (400 kW, < 250 hr/yr)	Emission Level
025A	716-4A Diesel Shop Chemical Usage (Fugitive Emissions)	Emission Level
02BA	717-A Machine Shop Oliver Drill Point Grinder (Fugitive Emissions)	Emission Level
033A	**VOID** - 717-A Breaker Shop Chemical Usage (Fugitive Emissions)	Emission Level
03BA	717-A Machine Shop Tool & Cutter Grinder (Fugitive Emissions)	Emission Level
049A	717-A Machine Shop Too Coating Oven (Fugitive Emissions)	Emission Level
04GA	736-A R&D Fugitive Emissions	R&D**
05BA	717-A Machine Shop Hammond Tool Grinder (Fugitive Emissions)	Emission Level
064A	711-A Valve Shop Abrasive Blasting (Fugitive Emissions)	Emission Level
066A	717-4A Varnish Dip Tank (1146 Gallons)	Emission Level
06CA	722-4A Shop Chemical Usage	Emission Level
06DA*	737-A Diesel Generator (55 kW)	List B
09BA	717-A Machine Shop Do All Surface Grinder (Fugitive Emissions)	Emission Level
103A*	794-A Emergency Diesel Generator (600 kW & < 250 hr/yr)	Emission Level
104A*	703-A Emergency Diesel Generator (200 kW & < 250 hr/yr)	Emission Level
10BA	717-A Machine Shop Black & Decker 8" Grinder (Fugitive Emissions)	Emission Level
123A*	501-A Emergency Diesel Generator (100 kW)	Emission Level
12FA	1/240th Glass Feed Prep System	R&D**
13CA & 14CA	717-A Machine Shop Hand Grinder (Fugitive Emissions)	Emission Level
13FA	786-A SRTC Minimelter	R&D**
15BA	717-A Machine Shop Standard Model 100 Buffer (Fugitive Emissions)	Emission Level
15CA & 16CA	717-A Machine Shop Oxy-Acetylene Cutting (Fugitive Emissions)	Emission Level
160A	**VOID** - 607-17A Sodium Hydroxide Tank (960 Gallons)	Emission Level
161A	**VOID** - 607-17A Neutralization Tank (3,384 Gallons)	Emission Level
162A	**VOID** - 607-17A Neutralization Tank (3,384 Gallons)	Emission Level
18BA	717-A Machine Shop Hammond Pedestal Grinder (Fugitive Emissions)	Emission Level
20AA	723-A Inorganic Storage Tank #2 (100 Gallons)	Emission Level
20DA	784-A Coal Crushing Operation (Fugitive Emissions)	Emission Level
21EA*	773-A Emergency Diesel Generator (455 kW & < 250 hr/yr)	Emission Level
25DA*	702-A Emergency Diesel Generator (250 kW & < 250 hr/yr)	Emission Level
266A	773-A D0142 Materials Lab Arc Welder #1	R&D**
274A	773-A D0142 Materials Lab Arc Welder #2	R&D**
27FA	786-A R&D Equipment (Fugitive Emissions)	R&D**
29FA	749-A Fabrication Shop R&D Equipment	R&D**
30FA	749-A Fabrication Shop R&D Equipment	R&D**
32BA	717-A Machine Shop Hammond Pedestal Grinder (Fugitive Emissions)	Emission Level
32FA	773-A Weld Development Laboratory R&D Equipment	R&D**
33FA	773-A D-0146 Laboratory R&D Equipment	R&D**

ATTACHMENT B

Insignificant Activities (A Area) (Revised 7/3/03)

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ID	General Description	Basis
34FA	773-A D-0179 Laboratory R&D Equipment	R&D**
35FA	786-A Research Project Stack	R&D**
369A	773-A Glass Shop Lab Hood	R&D**
37FA	735-A A-Wing Laboratories R&D Equipment	R&D**
39BA	717-A Machine Shop Rockwell Belt Sander (Fugitive Emissions)	Emission Level
39FA	735-A D-Wing Laboratories R&D Equipment	R&D**
48FA	Ethanol E85 tank (10,000 Gallons)	List B
513A	715-6A Diesel Fuel Tank #1 (10,000 Gallons)	Emission Level
52CA	717-A Chemical Usage (Fugitive Emissions)	Emission Level
531A	722-A Industrial Shop (Bead Blasting Fugitive Emissions)	Emission Level
532A	722-A Industrial Shop (Belt & Disc Sander Fugitive Emissions)	Emission Level
533A	722-A Industrial Shop (Chemical Usage Fugitive Emissions)	Emission Level
534A	722-A Industrial Shop (Disc Sander Fugitive Emissions)	Emission Level
535A*	720-2A Emergency Diesel Generator (455 kW & < 250 hr/yr)	Emission Level
540A	722-4A Bench Oven	Emission Level
545A	715-1A Underground Diesel Fuel Tank (5000 Gallons)	List B
546A	715-A Diesel Fuel Dispensing Station (Fugitive Emissions)	Emission Level
547A	715-7A Underground Gasoline Tank #1 (5,000 Gallons)	List B
548A	715-6A Diesel Fuel Tank #2 (10,000 Gallons)	Emission Level
549A	715-8A Underground Gasoline Tank #2 (5,000 Gallons)	List B
54CA	717-A Machine Shop Tool Grinder (Fugitive Emissions)	Emission Level
54FA	**VOID** - 731-2A ARV-001 Baroball Cluster	Emission Level
55CA	717-A Machine Shop Tool & Cutter Grinder (Fugitive Emissions)	Emission Level
55FA	**VOID** - 731-2A ARV-002 Baroball Cluster	Emission Level
56CA	717-A Machine Shop Universal Tool & Cutter Grinder (Fugitive Emissions)	Emission Level
56FA	**VOID** - 731-2A ARV-003 Baroball Cluster	Emission Level
574A*	754-5A 1250 kW Diesel Generator #1	List B
575A*	754-5A 1250 kW Diesel Generator #2	List B
57CA	722-4A Motor Shop and Balancing Facility Bench Grinder	Emission Level
57FA	**VOID** - 731-2A ARV-004 Baroball Cluster	Emission Level
58FA	**VOID** - 731-2A ARV-005 Baroball Cluster	Emission Level
596A	754-5A Diesel Fuel Tank #1 (5000 Gallons)	List B
59FA	**VOID** - 731-2A ARV-006 Baroball Cluster	Emission Level
60FA	**VOID** - 731-2A ARV-007 Baroball Cluster	Emission Level
61FA	**VOID** - 731-2A ARV-008 Baroball Cluster	Emission Level
62FA	**VOID** - 731-2A ARV-009 Baroball Cluster	Emission Level
63FA	**VOID** - 731-2A ARV-010 Baroball Cluster	Emission Level
671A	723-A Inorganic Storage Tank #1 (100 Gallons)	Emission Level
672A	723-A Inorganic Storage Tank (50 Gallons)	Emission Level
693A	784-A Coal Transfer Operation (Fugitive Emissions)	Emission Level
694A	784-A Coal Storage Pile (Fugitive Emissions)	Emission Level
700A	**VOID** - 725-A HVAC Maintenance Shop Chemical Usage (Fugitive Emissions)	Emission Level
70DA	731-5A Soil Vapor Extraction System	Emission Level
714A	715-A Gasoline Fuel Dispensing Station (Fugitive Emissions)	Emission Level

ATTACHMENT B

Insignificant Activities (A Area) (Revised 7/3/03)

U. S. Department of Energy
Washington Savannah River Company - Savannah River Site
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ID	General Description	Basis
72FA	786-A Chemical Processing Room Walk-in Chem Hood	R&D**
73CA	735-A D-2 Laboratory Equipment	R&D**
73DA*	782-3A Emergency Diesel Generator (80 kW)	Emission Level
73FA	786-A Chemical Processing Room Chemical Hood	R&D**
74CA	723-A Integrity Research R&D Equipment	R&D**
74DA*	737-24A Emergency Generator (125 kW)	List B
75CA	723-A Metallurgical Lab R&D Equipment	R&D**
76CA	773-A B-Wing Laboratories R&D Equipment	R&D**
76FA	**VOID** - 731-6A Misc. Rubble Pile (ARP) Baroballs	Emission Level
775A	**VOID** - 717-A Machine Shop Glass Bead Blaster (Fugitive Emissions)	Emission Level
776A	717-A Maintenance Shop (Tool Grinding & Cutoff Fugitive Emissions)	Emission Level
777A	717-A Maintenance Shop (Tool Cutter & Grinder Fugitive Emissions)	Emission Level
778A	717-A Maintenance Shop (Universal Tool & Cutter Grinder Fugitive Emissions)	Emission Level
779A	717-A Machine Shop Tool & Cutter Grinder (Fugitive Emissions)	Emission Level
77CA	791-A Laboratories R&D Equipment	R&D**
780A	717-A Machine Shop Tool Grinder (Fugitive Emissions)	Emission Level
781A	717-A Machine Shop Chemical Usage (Fugitive Emissions)	Emission Level
27GA	781-A Engineered Equipment & Systems Building & Laboratory (facilities & equipment include Digital Radiography Lab, Ultrasonic Test Lab, Gas Lab, GC Lab, Vacuum/RGA Lab, GC.MS Lab, Calorimetry Assembly, Paladium Membrane Experiment Lab, Tenney Environmental Chambers, Homeland Security Research Lab, and E&I and Mechanical workshops)	R&D**
782A	717-A Machine Shop Point Grinder (Fugitive Emissions)	Emission Level
783A	717-A Machine Shop Morrison Keyseater (Fugitive Emissions)	Emission Level
784A*	737-2A Diesel Generator (155 kW & < 250 hr/yr)	Emission Level
786A	722-4A Electric Motor Repair Shop (Painting/Chemical Fugitive Emissions)	Emission Level
78CA	773-A C-Wing Laboratories R&D Equipment	R&D**
793A	722-4A Bake Oven	Emission Level
820A	722-1A Instrument Shop (Chemical Usage Fugitive Emissions)	Emission Level
824A	717-A Machine Shop Tool & Cutter Grinder (Fugitive Emissions)	Emission Level
826A	717-A Machine Shop Tool Grinder and Cut Off (Fugitive Emissions)	Emission Level
829A	717-A Machine Shop Point Thinner Grinder (Fugitive Emissions)	Emission Level
83FA	Burning Rubble Pit Soil Vapor Extraction – SVE wells with microblowers	Emission Level
84FA	786-A RPP Stack Ion Exchange Vent	R&D**
85DA	**VOID** - 800 cfm Soil Vapor Extraction Unit	Emission Level
85FA*	737-A Diesel Generator (125 kW)	List B
90CA	773-A F-Wing Lab Equipment	R&D**
92CA	773-A D010 Laboratory Equipment	R&D**
94CA	735-A D1 Laboratories R&D Equipment	R&D**
95CA	735-11A SRTC Laboratories R&D Equipment	R&D**
95FA	736-A ERTS Lab 111 Laboratory Hood	R&D**
96AA	717-A Machine Shop Do All Surface Grinder (Fugitive Emissions)	Emission Level
96FA	736-A ERTS Lab 117 Laboratory Hood	R&D**
97AA	717-A Machine Shop Thompson Surface Grinder (Fugitive Emissions)	Emission Level
97FA	736-A ERTS Lab 113 Exhaust Hood	R&D**
98AA	717-A Machine Shop Cylindrical Grinder (Fugitive Emissions)	Emission Level

ATTACHMENT B

Insignificant Activities (A Area) (Revised 7/3/03)

U. S. Department of Energy
Washington Savannah River Company - Savannah River Site
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ID	General Description	Basis
99AA	717-A Machine Shop Rockford Shaper (Fugitive Emissions)	Emission Level
39GA*	**VOID -** Mobile Melt Dilute Diesel Generator (200kW & < 250 hr/yr)	Emission Level

(page updated 7/3/03)

* These insignificant activities are exempt from obtaining BAQ construction permits per SC Regulation 61-62.1 Section II (F)(2)(e) either based on the condition that they will operate less than 250 hr/yr or based on the fact that they have a rated capacity of less than 150 kW. Records of fuel usage shall be maintained onsite to verify such exemption and shall be made readily available to Department personnel upon request. Annual fuel usage rates for these units are not expected to exceed the following:

DESCRIPTION	BLDG	GAL/YR
100 kW Emergency Diesel Generator	501-A	609
400 kW Emergency Diesel Generator	503-2A	7,605
250 kW Emergency Diesel Generator	702-A	5,360
200 kW Emergency Diesel Generator	703-A	4,400
455 kW Emergency Diesel Generator	720-2A	10,100
125 kW Emergency Generator	737-24A	761
155 kW Emergency Diesel Generator	737-2A	2,635
125 kW Diesel Generator	737-A	761
55 kW Diesel Generator	737-A	335
1250 kW Emergency Diesel Generator #1	754-5A	22,400
1250 kW Emergency Diesel Generator #2	754-5A	22,400
455 kW Emergency Diesel Generator	773-A	8,825
80 kW Emergency Diesel Generator	782-3A	487
600 kW Emergency Diesel Generator	794-A	14,387
VOID - 200 kW Diesel Generator	Mobile Melt	4,050

Units in excess of the allotted values as presented above may have the above cited exemption rescinded and may be required to obtain permits prior to further operation.

** As per "South Carolina's Response to the EPA 'White Paper' Issued on July 10, 1995 to Streamline the Part 70 Application Process" (issued by BAQ on 10/23/95), Section 8 - Research & Development Activities, these activities meet the definition of R&D activities as defined in this section.

(page updated 7/3/03)

ATTACHMENT B

Insignificant Activities (B Area)

U. S. Department of Energy
Washington Savannah River Company - Savannah River Site
TV-0080-0041

The following table contains a list of activities located at the Savannah River Site's B-Area which are considered insignificant pursuant to SC Regulation 61-62.70.5(c). Sources listed below are not exempt from any otherwise applicable state or federal requirements including, but not limited to, opacity standards, ambient air quality standards, and air toxic standards.

ID	General Description	Basis
022B*	902-5B Diesel Fire Pump (370 bHp, < 250 hr/yr)	Emission Level
024B	703-5B Heliport Fuel Dispensing Station (Fugitive Emissions)	Emission Level
025B	703-5B Underground Jet Fuel Tank (12,000 Gallon)	Emission Level
026B	703-5B Emergency Gasoline Generator (15 kW)	List B
056B*	754-2B Emergency Diesel Generator (35 kW)	List B
109B*	772-25B Diesel Generator (25kW)	List B
114B	Fuel Oil Storage Tank #1 rated at 15,000 gallons	Emission Level
115B	Fuel Oil Storage Tank #2 rated at 15,000 gallons	Emission Level
116B	735-1B Domestic Water Heater rated at 0.196×10^6 BTU/hr	List B
117B	735-1B Service Water Heater rated at 0.196×10^6 BTU/hr	List B

* These insignificant activities are exempt from obtaining BAQ construction permits per SC Regulation 61-62.1 Section II (F)(2)(e) either based on the condition that they will operate less than 250 hr/yr or based on the fact that they have a rated capacity of less than 150 kW. Records of fuel usage shall be maintained onsite to verify such exemption and shall be made readily available to Department personnel upon request. Annual fuel usage rates for these units are not expected to exceed the following:

DESCRIPTION	BLDG	GAL/YR
35 kW Emergency Diesel Generator	754-2B	213
25 kW Diesel Generator	772-25B	152
2500 GPM Emergency Diesel Fire Pump	902-5B	4,700

Units in excess of the allotted values as presented above may have the above cited exemption rescinded and may be required to obtain permits prior to further operation.

ATTACHMENT B

Insignificant Activities (C Area)

U. S. Department of Energy
Washington Savannah River Company - Savannah River Site
TV-0080-0041

The following table contains a list of activities located at the Savannah River Site's C-Area which are considered insignificant pursuant to SC Regulation 61-62.70.5(c). Sources listed below are not exempt from any otherwise applicable state or federal requirements including, but not limited to, opacity standards, ambient air quality standards, and air toxic standards.

ID	General Description	Basis
209C*	702-1C Emergency Diesel Generator (115 kW)	List B
223C	**VOID** - 105-C Main Stack Plastic Blasting	Emission Level
214C	**VOID** - 105-C Portable CO_2 Blast Decon Exhaust	Emission Level
218C	**VOID** - 105-C Crane Maintenance Dry Decontamination Methods	Emission Level
219C	**VOID** - 105-C Crane Maintenance Wet Decontamination Methods	Emission Level
221C	**VOID** - 105-C Decon Methods	Emission Level
222C	**VOID** - 105-C Size Reduction Activities	Emission Level
226C	**VOID** - 100-C Area Fugitive Emissions from ROSRS Plasma Arc Cutting	Emission Level
227C	**VOID** - 100-C Area Fugitive Emissions from ROSRS Grinding	Emission Level

* This insignificant activity is exempt from obtaining BAQ construction permits per SC Regulation 61-62.1 Section II (F)(2)(e) based on the fact that it has a rated capacity of less than 150 kW. Records of fuel usage shall be maintained onsite to verify such exemption and shall be made readily available to Department personnel upon request. Annual fuel usage rates for this unit is not expected to exceed the following:

DESCRIPTION	BLDG	GAL/YR
115 kW Emergency Diesel Generator	702-1C	700

Units in excess of the allotted values as presented above may have the above cited exemption rescinded and may be required to obtain permits prior to further operation.

ATTACHMENT B

Insignificant Activities (D Area)

U. S. Department of Energy
Washington Savannah River Company - Savannah River Site
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The following table contains a list of activities located at the Savannah River Site's D-Area which are considered insignificant pursuant to SC Regulation 61-62.70.5(c). Sources listed below are not exempt from any otherwise applicable state or federal requirements including, but not limited to, opacity standards, ambient air quality standards, and air toxic standards.

ID	General Description	Basis
089D	**VOID -** 411-D Fire Training Fuel Tank (2,000 Gallons)	List B

ATTACHMENT B

Insignificant Activities (E Area)

U. S. Department of Energy
Washington Savannah River Company - Savannah River Site
TV-0080-0041

The following table contains a list of activities located at the Savannah River Site's E-Area which are considered insignificant pursuant to SC Regulation 61-62.70.5(c). Sources listed below are not exempt from any otherwise applicable state or federal requirements including, but not limited to, opacity standards, ambient air quality standards, and air toxic standards.

ID	General Description	Basis
152E	660-6E Visual Examination Facility	Emission Level

ATTACHMENT B

Insignificant Activities (F Area)

U. S. Department of Energy
Washington Savannah River Company - Savannah River Site
TV-0080-0041

The following table contains a list of activities located at the Savannah River Site's F-Area which are considered insignificant pursuant to SC Regulation 61-62.70.5(c). Sources listed below are not exempt from any otherwise applicable state or federal requirements including, but not limited to, opacity standards, ambient air quality standards, and air toxic standards.

ID	General Description	Basis
029F	241-21F Diversion Box 4 and Pump Pit Tank #2 (6,000 Gallons)	Emission Level
030F	241-21F Diversion Box 4 and Pump Pit Tank #3 (6,000 Gallons)	Emission Level
041F	241-F Waste Tank 7 Purge (750,000 Gallons)	Emission Level
045F	241-F Waste Tank 27 Purge (1,300,000 Gallons)	Emission Level
046F*	241-19F Emergency Diesel Generator (350 kW & < 250 hr/yr)	Emission Level
047F	241-F Waste Tank 34 Purge (1,300,000 Gallons)	Emission Level
066F	241-F Waste Tank 45 Purge (1,300,000 Gallons)	Emission Level
069F	241-F Waste Tank 2 Purge (750,000 Gallons)	Emission Level
071F	241-F Waste Tank 4 Purge (750,000 Gallons)	Emission Level
081F	241-F Waste Tank 46 Purge (1,300,000 Gallons)	Emission Level
08CF	**VOID** - F Canyon F1-5 Tank	Emission Level
092F	241-F Waste Tank 5 Purge (750,000 Gallons)	Emission Level
09CF	**VOID** - F Canyon F1-4 Tank	Emission Level
101F	241-F Waste Tank 18 Purge (1,300,000 Gallons)	Emission Level
106F	241-F Waste Tank 19 Purge (1,300,000 Gallons)	Emission Level
117F	241-F Waste Tank 25 Purge (1,300,000 Gallons)	Emission Level
118F	241-F Waste Tank 26 Purge (1,300,000 Gallons)	Emission Level
120F	242-3F Concentrate Transfer System (CTS) Pump Pit Tank (2950 Gallons)	Emission Level
124F	288-F Ash Basin (Fugitive Emissions)	Emission Level
125F	242-3F Concentrate Transfer System (CTS) Pump Pit Tank (2950 Gallons)	Emission Level
135F	241-F Waste Tank 8 Purge (750,000 Gallons)	Emission Level
139F	241-F Diversion Box 2	Emission Level
144F*	241-74F Emergency Diesel Generator (200 kW & < 250 hr/yr)	Emission Level
145F	241-F Waste Tank 6 Purge (750,000 Gallons)	Emission Level
149F	241-F Waste Tank 28 Purge (1,300,000 Gallons)	Emission Level
15JF*	905-100F Emergency Diesel Generator (150 kW & < 250 hr/yr)	Emission Level
165F	**VOID** - 254-10F Diesel Piping & Equipment Fugitive Emissions	Emission Level
176F*	254-9F Diesel Generator (300 kW & <250 hr/yr)	Emission Level
181F	241-F Waste Tank 1 Purge (750,000 Gallons)	Emission Level
183F	241-F Waste Tank 3 Purge (750,000 Gallons)	Emission Level
190F*	254-4F Emergency Diesel Generator (350 kW & < 250 hr/yr)	Emission Level
340F*	772-1F Emergency Diesel Generator (415 kW & <250 hr/yr)	Emission Level
353F	241-F Waste Tank 47 Purge (1,300,000 Gallons)	Emission Level
358F	241-F Waste Tank 33 Purge (1,300,000 Gallons)	Emission Level
378F	241-F Waste Tank 44 Purge (1,300,000 Gallons)	Emission Level
379F*	**VOID -** 254-7F Emergency Diesel Generator (300 kW & <250 hr/yr)	Emission Level
380F	**VOID -** 254-7F Diesel Piping & Equipment Fugitive Emissions	Emission Level
394F*	**VOID -** 720-F Diesel Generator (455 bHp & < 250 hr/yr)	Emission Level
400F	717-F Maintenance Shop Belt Sander (Fugitive Emissions)	Emission Level

ATTACHMENT B

Insignificant Activities (F Area)

U. S. Department of Energy
Washington Savannah River Company - Savannah River Site
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ID	General Description	Basis
416F	717-F Maintenance Shop Grinder (Fugitive Emissions)	Emission Level
421F	717-F Maintenance Shop Belt Sander (Fugitive Emissions)	Emission Level
422F	**VOID** - 717-F Maintenance Shop Grinder (Fugitive Emissions)	Emission Level
44EF*	254-1F Emergency Diesel Generator (250 kW & < 250 hr/yr)	Emission Level
48EF	242-16F Overhead Receiver Tank (1250 Gallons)	Emission Level
48HF	242-16F Evaporator Process	Emission Level
49EF	242-16F Overhead Receiver Tank (1250 Gallons)	Emission Level
49HF*	902-3F Diesel Fire Pump #1 (330 bHp & < 250 hr/yr)	Emission Level
50HF*	902-3F Diesel Fire Pump #2 (330 bHp & < 250 hr/yr)	Emission Level
51EF	**VOID** - 222-F Inorganic Storage Tank 221 (2900 Gallons)	Emission Level
52DF	**VOID** - 221-FB Line Cold Feed Nitric Acid Tank B (84 Gallons)	Emission Level
55HF	**VOID** - 026-FX Brush Painting (Fugitive Emissions)	Emission Level
56HF	**VOID** - 026-FX Brush Cleaning Vat (Fugitive Emissions)	Emission Level
573F	**VOID** - 221-F N-Paraffin Tank 21 (17,700 Gallons)	Emission Level
57HF	**VOID** - 026-FX Brush Cleaning Vat (Fugitive Emissions)	Emission Level
58HF	**VOID** - 002-FX Roller Painting (Fugitive Emissions)	Emission Level
62EF	**VOID** - 254-10F Diesel Fuel Tank (1500 Gallons)	Emission Level
63EF	**VOID** - 222-F Potassium Permanganate Chemical Storage (Fugitive Emissions)	Emission Level
65CF	**VOID** - F Canyon F1-3 Tank	Emission Level
65EF	**VOID** - 222-F Sodium Nitrate Chemical Storage (Fugitive Emissions)	Emission Level
66CF	**VOID** - 221-FB Line Concentrated Cold Feed Nitric Acid Tank (268 Gallons)	Emission Level
66FF	717-F Maintenance Shop Bead Blaster (Fugitive Emissions)	Emission Level
67CF	**VOID** - 221-FB Line Cold Feed Nitric Acid Tank A (84 Gallons)	Emission Level
67EF	**VOID** - 222-F Sodium Carbonate Chemical Storage (Fugitive Emissions)	Emission Level
68FF	717-F Maintenance Shop Grinder (Fugitive Emissions)	Emission Level
69EF	**VOID** - 222-F Sodium Nitrite Chemical Storage (Fugitive Emissions)	Emission Level
69FF	717-F Maintenance Shop Grinder (Fugitive Emissions)	Emission Level
709F*	772-F Emergency Diesel Generator #1 (175 kW & <250 hr/yr)	Emission Level
715F*	772-F Emergency Diesel Generator #2 (175 kW & <250 hr/yr)	Emission Level
718F*	235-F Emergency Diesel Generator (350 kW & <250 hr/yr)	Emission Level
743F	**VOID** - 211-43F 50% Sodium Hydroxide Tank #43 (17,700 Gallons)	Emission Level
744F	**VOID** - 211-42F 50% Sodium Hydroxide Tank #42 (17,700 Gallons)	Emission Level
745F	**VOID** - 221-F Tri-butyl Phosphate Tank 11 (17,700 Gallons)	Emission Level
746F	**VOID** - 221-F N-Paraffin Tank 22 (17,700 Gallons)	Emission Level
80IF	254-5F Underground Diesel Fuel Tank #2 (20,000 gallons)	Emission Level
81IF	254-5F Underground Diesel Fuel Tank #1 (20,000 gallons)	Emission Level
85IF	254-13F Production Diesel Engine #1 (800 kW)	Emission Level
86IF	254-13F Production Diesel Engine #2 (800 kW)	Emission Level
86FF	**VOID** - 254-5F Diesel Piping & Equipment Fugitive Emissions	Emission Level
87FF	**VOID** - 619-F Diesel Piping & Equipment Fugitive Emissions	Emission Level
908F	**VOID** - 222-F Inorganic Storage Tank 271 (7400 Gallons)	Emission Level
911F*	221-F Diesel Generator (1,000 kW)	List B
918F*	254-8F Emergency Diesel Generator (350 kW & < 250 hr/yr)	Emission Level

ATTACHMENT B

Insignificant Activities (F Area)

U. S. Department of Energy
Washington Savannah River Company - Savannah River Site
TV-0080-0041

ID	General Description	Basis
923F*	292-2F Emergency Diesel Generator (300 kW & <250 hr/yr)	Emission Level

* These insignificant activities are exempt from obtaining BAQ construction permits per SC Regulation 61-62.1 Section II (F)(2)(e) based on the condition that they will operate less than 250 hr/yr. Records of fuel usage shall be maintained onsite to verify such exemption and shall be made readily available to Department personnel upon request. Annual fuel usage rates for these units are not expected to exceed the following:

DESCRIPTION	BLDG	GAL/YR
1000 kW Emergency Diesel Generator	221-F	18,300
350 kW Emergency Diesel Generator	235-F	7,900
350 kW Emergency Diesel Generator	241-19F	6,750
200 kW Emergency Diesel Generator	241-74F	4,100
250 kW Emergency Diesel Generator	254-1F	5,512
350 kW Emergency Diesel Generator	254-4F	6,750
VOID - 300 kW Emergency Diesel Generator	254-7F	NA
350 kW Emergency Diesel Generator	254-8F	7,605
800 kW Production Diesel Engine #1	254-13F	14,975
800 kW Production Diesel Engine #2	254-13F	14,975
300 kW Emergency Diesel Generator	254-9F	5,095
300 kW Emergency Diesel Generator	292-2F	6,500
455 kW Emergency Diesel Generator	720-F	9,492
415 kW Emergency Diesel Generator	772-1F	7,400
175 kW Emergency Diesel Generator	772-F	3,200
175 kW Emergency Diesel Generator	772-F	3,200
2500 GPM Emergency Diesel Fire Pump	902-3F	4,775
2500 GPM Emergency Diesel Fire Pump	902-3F	4,775
150 kW Emergency Diesel Generator	905-100F	3,525

Units in excess of the allotted values as presented above may have the above cited exemption rescinded and may be required to obtain permits prior to further operation.

ATTACHMENT B

Insignificant Activities (G Area)

U. S. Department of Energy
Washington Savannah River Company - Savannah River Site
TV-0080-0041

The following table contains a list of activities located at the Savannah River Site's G-Area which are considered insignificant pursuant to SC Regulation 61-62.70.5(c). Sources listed below are not exempt from any otherwise applicable state or federal requirements including, but not limited to, opacity standards, ambient air quality standards, and air toxic standards.

ID	General Description	Basis
021G	715-1G Gasoline Dispensing Station (Fugitive Emissions)	Emission Level
022G	715-1G Underground Gasoline Fuel Tank #1 (10,000 Gallons)	Emission Level
049G*	**VOID** - 701-5G Emergency Diesel Generator (15 kW)	List B
053G*	**VOID** - 701-6G Emergency Diesel Generator (15.75 kW)	List B
064G*	681-3G Emergency Diesel Generator (100 kW)	List B
065G*	623-29G Diesel Generator (48 kW)	List B
078G*	623-30G Diesel Generator (80 kW)	List B
079G*	701-3G Emergency Diesel Generator (15 kW)	List B
084G	701-4G Emergency Generator	List B
088G*	**VOID** - 739-G Diesel Generator (18.5 kW)	List B
094G	**VOID** - 735-7G Laboratory Hood	R&D**
096G*	710-13G Emergency Diesel Generator (30 kW)	List B
098Z	681-15G (551-Z) Low Point Drain Tank (8800 Gallons)	Emission Level
099G*	701-12G Emergency Diesel Generator (30 kW)	List B
103G	**VOID** - 735-7G Laboratory Hood	R&D**
104G*	701-8G Emergency Diesel Generator (30 kW)	List B
137G*	737-G Diesel Generator (130 kW)	List B
138G	715-2G Gasoline Dispensing Station (Fugitive Emissions)	Emission Level
139G	715-2G Underground Gasoline Fuel Tank #1 (10,000 Gallons)	Emission Level
165G	620-G Underground Diesel Fuel Tank #2 (2000 Gallons)	Emission Level
168G	654-G Diesel Fuel Tank (1000 Gallons)	Emission Level
169G*	654-G Diesel Generator (1,000 kW)	List B
187G	620-G Diesel Fuel Dispensing Station (Fugitive Emissions)	Emission Level
188G	620-G Gasoline Dispensing Station (Fugitive Emissions)	Emission Level
191G	620-G Underground Gasoline Fuel Tank #1 (2000 Gallons)	Emission Level
196G	Soil Vapor Extraction Unit (SRO 5957)	R&D**
241G*	760-1G Emergency Backup Generator (95 kW)	List B
245G	USFS Tree Marking	Emission Level
269G, 270G, 274G, 275G, 276G, 277G, 278G, 279G, 280G, 281G, 282G & 283G	Southern Sector Recirculation Wells In-Situ Air Stripping	Emission Level
273G	904-11G Passive Soil Vapor Extraction System	Emission Level
290G*	623-40G Emergency Diesel Generator (40 kW)	List B
292G, 293G, 294G, 295G, 296G, 297G, 298G, 299G, 300G, 301G & 302G	Misc. Chemical Basin In-Situ Air Stripping Wells (MIS-001 thru MIS-011)	Emission Level
305G	H-Area E-85 Ethanol Tank (10,000 Gallons)	List B
308G	**VOID** - Southern Sector Phyto-Irrigation	Emission Level
309G	Mobile Soil Vapor Extraction Unit (SRO 2919)	R&D**

ATTACHMENT B

Insignificant Activities (G Area)

U. S. Department of Energy
Washington Savannah River Company - Savannah River Site
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ID	General Description	Basis
310G	Mobile Soil Vapor Extraction Unit (SRO2856)	R&D**
327G*	701-20G Emergency Diesel Generator (84 kW)	Emission Level
334G*	701-21G Emergency Diesel Generator (75 kW)	Emission Level

* These insignificant activities are exempt from obtaining BAQ construction permits per SC Regulation 61-62.1 Section II (F)(2)(e) either based on the condition that they will operate less than 250 hr/yr or based on the fact that they have a rated capacity of less than 150 kW. Records of fuel usage shall be maintained onsite to verify such exemption and shall be made readily available to Department personnel upon request. Annual fuel usage rates for these units are not expected to exceed the following:

DESCRIPTION	BLDG	GAL/YR
48 kW Diesel Generator	623-29G	10,244
80 kW Diesel Generator	623-30G	17,074
40 kW Emergency Diesel Generator	623-40G	243
1000 kW Emergency Diesel Generator	654-G	19,650
100 kW Emergency Diesel Generator	681-3G	609
30 kW Emergency Diesel Generator	701-12G	182
15 kW Emergency Diesel Generator	701-3G	91
30 kW Emergency Generator	701-4G	182
VOID - 15 kW Emergency Diesel Generator	701-5G	NA
15.75 kW Emergency Diesel Generator	701-6G	96
30 kW Emergency Diesel Generator	701-8G	182
30 kW Emergency Diesel Generator	710-13G	182
130 kW Diesel Generator	737-G	792
95 kW Emergency Backup Generator	760-1G	578
84 kW Emergency Diesel Generator	701-20G	1350
75 kW Emergency Diesel Generator	701-21G	1500

Units in excess of the allotted values as presented above may have the above cited exemption rescinded and may be required to obtain permits prior to further operation.

** As per "South Carolina's Response to the EPA 'White Paper' Issued on July 10, 1995 to Streamline the Part 70 Application Process" (issued by BAQ on 10/23/95), Section 8 - Research & Development Activities, these activities meet the definition of R&D activities as defined in this section.

ATTACHMENT B

Insignificant Activities (H Area)

U. S. Department of Energy
Washington Savannah River Company - Savannah River Site
TV-0080-0041

The following table contains a list of activities located at the Savannah River Site's H-Area which are considered insignificant pursuant to SC Regulation 61-62.70.5(c). Sources listed below are not exempt from any otherwise applicable state or federal requirements including, but not limited to, opacity standards, ambient air quality standards, and air toxic standards.

ID	General Description	Basis
08DH	H Canyon High Activity Waste	Emission Level
13DH	H Canyon Segregated Solvent	Emission Level
150H	211-H Nitric Acid Tank (1000 Gallons)	Emission Level
181H*	299-1H Emergency Diesel Generator (200 kW & < 250 hr/yr)	Emission Level
182H	284-H Ash Sluice Pump	Emission Level
18DH	**VOID** - HBL (old) Process Rooms	Emission Level
210H	5000-32H Brush Painting	Emission Level
213H	284-11H Coal Storage Pile	Emission Level
21BH	222-H H-Canyon Manganous Nitrate Mixing (Fugitive Emissions)	Emission Level
241H	**VOID** - 245-H Sodium Hydroxide Tank (1000 Gallons)	Emission Level
260H	230-H Diesel Tank (2,000 Gallons)	List B
26AH	**VOID** - 619-H Diesel Fuel Tank Piping Fugitive Emissions	Emission Level
274H	**VOID** - RBOF Liquid Waste Tank EP38 (6,500 Gallons)	Emission Level
27AH	**VOID** - 254-5H Emergency Diesel Piping Fugitive Emissions	Emission Level
30BH	242-25H RHLW Evaporator Antifoam Tank	Emission Level
31BH	242-25H RHLW Evaporator Chemical Addition Tank	Emission Level
336H	241-H Waste Tank 38 Purge (1,300,000 Gallons)	Emission Level
337H	241-H Waste Tank 9 Purge (750,000 Gallons)	Emission Level
338H	241-H Waste Tank 10 Purge (750,000 Gallons)	Emission Level
340H	241-H Waste Tank 39 Purge (1,300,000 Gallons)	Emission Level
345H	241-H Waste Tank 41 Purge (1,300,000 Gallons)	Emission Level
347H	241-H Waste Tank 40 Purge (1,300,000 Gallons)	Emission Level
34BH	242-25H RHLWE Evaporator Cell	Emission Level
356H	241-H Waste Tank 42 Purge (1,300,000 Gallons)	Emission Level
357H	241-H Waste Tank 43 Purge (1,300,000 Gallons)	Emission Level
361H	241-H Waste Tank 50 Purge (1,300,000 Gallons)	Emission Level
362H	241-H Waste Tank 51 Purge (1,300,000 Gallons)	Emission Level
364H	241-H Waste Tank 13 Purge (1,000,000 Gallons)	Emission Level
365H	241-H Waste Tank 22 Purge (1,300,000 Gallons)	Emission Level
368H	241-H Waste Tank 11 Purge (750,000 Gallons)	Emission Level
370H	241-H Waste Tank 21 Purge (1,300,000 Gallons)	Emission Level
371H	241-H Waste Tank 23 Purge (1,300,000 Gallons)	Emission Level
391H	241-H Waste Tank 24 Purge (1,300,000 Gallons)	Emission Level
393H	241-H Waste Tank 29 Purge (1,300,000 Gallons)	Emission Level
399H	241-H Waste Tank 30 Purge (1,300,000 Gallons)	Emission Level
401H	241-H Waste Tank 31 Purge (1,300,000 Gallons)	Emission Level
404H	241-H Waste Tank 32 Purge (1,300,000 Gallons)	Emission Level
405H	241-H Waste Tank 35 Purge (1,300,000 Gallons)	Emission Level
406H	241-H Waste Tank 36 Purge (1,300,000 Gallons)	Emission Level
407H	241-H Waste Tank 37 Purge (1,300,000 Gallons)	Emission Level

ATTACHMENT B

Insignificant Activities (H Area)

U. S. Department of Energy
Washington Savannah River Company - Savannah River Site
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ID	General Description	Basis
409H	241-H Waste Tank 12 Purge (750,000 Gallons)	Emission Level
40DH	221-H HB Line HBL Scrap Recovery CFP (132 Gallons)	Emission Level
410H	241-H Waste Tank 14 Purge (1,000,000 Gallons)	Emission Level
414H	241-32H ITP Chemical Storage - Cold Feeds Liquid Unloading Station	Emission Level
415H	241-32H ITP Chemical Storage -Oxalic Acid Storage Tank	Emission Level
417H	241-32H ITP Chemical Storage - NaOH Storage Tank	Emission Level
418H	241-32H ITP Chemical Storage -NaOH Washwater Tank	Emission Level
41DH	221-H HB Line HBL NP/PU Oxide CFP (528 Gallons)	Emission Level
420H*	254-9H Emergency Diesel Generator (400 kW & < 250 hr/yr)	Emission Level
422H	241-H Waste Tank 15 Purge (1,000,000 Gallons)	Emission Level
439H*	254-3H Emergency Diesel Generator (275 kW & < 250 hr/yr)	Emission Level
43AH	284-11H Coal Transfer Operation	Emission Level
448H	241-H Diversion Box 2 (6000 Gallons)	Emission Level
457H	**VOID** - 253-H Solid Waste Compactor	Emission Level
45BH	261-H Caustic Storage Tank (5500 Gallons)	Emission Level
461H*	254-H Emergency Diesel Generator (500 kW & < 250 hr/yr)	Emission Level
462H*	254-8H Emergency Diesel Generator (500 kW & < 250 hr/yr)	Emission Level
478H*	254-1H Emergency Diesel Generator (250 kW & < 250 hr/yr)	Emission Level
488H	241-54H ETF 10% NaOH Day Tank	Emission Level
490H	241-54H 6% Nitric Acid Day Tank (13,600 Gallons)	Emission Level
491H	241-60H ETF Tank Truck Unloading Station	Emission Level
493H	241-61H ETF 50% NaOH Storage Tank	Emission Level
505H*	234-H Emergency Diesel Generator (300 kW & < 250 hr/yr)	Emission Level
50FH	242-25H RHLWE Mercury Removal Tank (562 Gallons)	Emission Level
513H*	254-4H Emergency Diesel Generator (150 kW & < 250 hr/yr)	Emission Level
528H	242-16H Evaporator 2H Overhead Receiver Tank (890 Gallons)	Emission Level
52DH	242-16H Evaporator 2H Process (1800 Gallons)	Emission Level
536H	211-H Tri-Butyl Phosphate Tank 11 (17,700 Gallons)	Emission Level
538H	211-H N-Paraffin Tank 21 (17,700 Gallons)	Emission Level
541H	222-H H-Canyon Sodium Nitrite Mixing (Fugitive Emissions)	Emission Level
542H	222-H H-Canyon Potassium Permanganate Mixing (Fugitive Emissions)	Emission Level
543H	222-H H-Canyon Mercury Mixing Station (Fugitive Emissions)	Emission Level
544H	222-H H-Canyon Boric Acid Mixing (Fugitive Emissions)	Emission Level
545H	222-H H-Canyon Sodium Carbonate Mixing (Fugitive Emissions)	Emission Level
546H*	221-HB Line Emergency Diesel Generator (300 kW & < 250 hr/yr)	Emission Level
547H	221-H N-Paraffin Tank 22 (17,700 Gallons)	Emission Level
548H	241-70H Pump Tank 5 (5800 Gallons)	Emission Level
54DH	242-25H RHLWE Enclosure Building	Emission Level
562H*	254-13H Diesel Generator (30kW)	List B
563H	241-6H ETF Chemical Mix Tank (375 Gallons)	Emission Level
56FH*	200-H Emergency Diesel Generator (900kW)	List B
576H	241-6H ETF Waste Concentrate Tank #2 (1850 Gallons)	Emission Level
577H	241-6H ETF Waste Concentrate Tank #1 (1850 Gallons)	Emission Level
57FH*	254-21H Emergency Diesel Generator (1,000 kW)	Emission Level
583H	241-6H ETF Filter Cleaning Tank (2438 Gallons)	Emission Level

ATTACHMENT B

Insignificant Activities (H Area)

U. S. Department of Energy
Washington Savannah River Company - Savannah River Site
TV-0080-0041

ID	General Description	Basis
60FH*	719-H Emergency Diesel Generator (50 kW)	List B
612H	**VOID** - 211-CSF 50% Sodium Hydroxide Tank 42 (17,700 Gallons)	Emission Level
613H	211-CSF Sodium Hydroxide Tank 43 (17,700 Gallons)	Emission Level
618H*	221-H Emergency Diesel Generator (1,000 kW)	List B
61DH	221-H HB Line Welder - HBL Canisters	Emission Level
61EH	619-H Emergency Diesel Tank (13,300 Gallons)	Emission Level
624H	**VOID** - 242-21H CTS Pump Tank 18H (3000 Gallons)	Emission Level
65FH	241-H Waste Tank 49 Purge (1,300,000 Gallons)	Emission Level
66FH	241-H Waste Tank 48 Purge (1,300,000 Gallons)	Emission Level
67DH	**VOID** - 704HH8 Brush Painting	Emission Level
68DH	**VOID** - 704HH8 Brush Cleaning Vat	Emission Level
691H	248-H Lathe	Emission Level
692H	248-H Metal Cutting Band Saw	Emission Level
693H	248-H Drill Press	Emission Level
695H	248-H Pedestal Grinder	Emission Level
696H	248-H Power Bandsaw	Emission Level
69DH	**VOID** - 704HH8 Brush Cleaning Vat	Emission Level
70BH*	**VOID** - 232-H Emergency Diesel Generator (500 kW & < 250 hr/yr)	Emission Level
70FH	284-11H Coal Crushing Operation	Emission Level
723H*	905-87H Emergency Water Pump (192 bHp)	List B
72DH	27,000 Gallon Solvent Storage Tank	Emission Level
73DH	27,000 Gallon Solvent Storage Tank	Emission Level
743H*	234-4H Emergency Diesel Generator (200 kW & < 250 hr/yr)	Emission Level
74DH	27,000 Gallon Solvent Storage Tank	Emission Level
75DH	27,000 Gallon Solvent Storage Tank	Emission Level
77BH	242-16H Evaporator-2H Antifoam Tank	Emission Level
79DH	242-16H Evaporator 2H Overhead Receiver Tank (890 Gallons)	Emission Level
80AH*	254-15H Emergency Diesel Generator (300 kW & < 250 hr/yr)	Emission Level
80DH	**VOID** - 712 C-Train Brush Painting	Emission Level
81AH*	254-16H Emergency Diesel Generator (300 kW & < 250 hr/yr)	Emission Level
81DH	**VOID** - 712 C-Train Brush Cleaning Vat	Emission Level
82DH	**VOID** - 712 C-Train Brush Cleaning Vat	Emission Level
83DH	Waste Storage Tank (6500 Gallons)	Emission Level
10GH	234-7H Metallography Hood	Emission Level
84DH	**VOID** - 262-H CIF Tank Farm Spare Organic Blend Tank #1 (4200 Gallons)	Emission Level
85DH	**VOID** - 262-H CIF Tank Farm Spare Organic Blend Tank #2 (4200 Gallons)	Emission Level
86DH	**VOID** - 262-H CIF Tank Farm Spare Aqueous Waste Tank (6500 Gallons)	Emission Level
86EH	20,000 Gallon Underground Diesel Fuel Tank	Emission Level
11GH	234-7H Cutting Hood	Emission Level
874H	234-H Reservoir Finishing	Emission Level
87DH	**VOID** - Fuel Oil Tank (12,500 Gallons)	Emission Level
884H	234-H Electrical & Instrument Repair	Emission Level
88DH	**VOID** - 262-H Concrete Silo (1146 cu. ft.)	Emission Level
88EH	20,000 Gallon Underground Diesel Fuel Tank	Emission Level
895H	238-H Reservoir Decontamination	Emission Level

ATTACHMENT B

Insignificant Activities (H Area)

U. S. Department of Energy
Washington Savannah River Company - Savannah River Site
TV-0080-0041

ID	General Description	Basis
89DH	**VOID** - 261-H Cement Day Hopper (66 cu. ft)	Emission Level
902H	238-H Lathe	Emission Level
906H	238-H Milling & Machining	Emission Level
909H*	**VOID** - 254-12H Diesel Generator (350 kW & < 250 hr/yr)	Emission Level
90DH	**VOID** - 261-H Ash Crete/Blow Crete Unit	Emission Level
910H*	**VOID** - 254-11H Emergency Diesel Generator (350 kW & < 250 hr/yr)	Emission Level
911H*	241-125H Diesel Fire Pump #1 (330 bHp & < 250 hr/yr)	Emission Level
912H*	241-125H Diesel Fire Pump #2 (330 bHp & < 250 hr/yr)	Emission Level
915H*	254-10H Emergency Diesel Generator (750 kW & < 250 hr/yr)	Emission Level
940H*	720-H Diesel Generator (455 kW & < 250 hr/yr)	Emission Level
99BH	241-100H New Waste Transfer Tanks (5800 Gallons)	Emission Level
12GH	200-H Emergency Diesel Generator #2 (900 kW & < 250 hr/yr)	Emission Level
58FH	254-21H Diesel Fuel Tank (1700 Gallon)	Emission Level

* These insignificant activities are exempt from obtaining BAQ construction permits per SC Regulation 61-2.1 Section II (F)(2)(e) either based on the condition that they will operate less than 250 hr/yr or based on the fact that they have a rated capacity of less than 150 kW. Records of fuel usage shall be maintained onsite to verify such exemption and shall be made readily available to Department personnel upon request. Annual fuel usage rates for these units are not expected to exceed the following:

DESCRIPTION	BLDG	GAL/YR
900 kW Emergency Diesel Generator	200-H	16,900
300 kW Emergency Diesel Generator	221-H	6,000
1,000 kW Emergency Diesel Generator	221-H	18,250
500 kW Emergency Diesel Generator	232-H	9,467
200 kW Emergency Diesel Generator	234-4H	3,800
300 kW Emergency Diesel Generator	234-H	6,070
2,500 GPM Emergency Diesel Fire Pump	241-125H	4,175
2,500 GPM Emergency Diesel Fire Pump	241-125H	4,175
750 kW Emergency Diesel Generator	254-10H	19,205
VOID - 350 kW Emergency Diesel Generator	254-11H	NA
VOID - 350 kW Emergency Diesel Generator	254-12H	N/A
30 kW Diesel Generator	254-13H	6,402
300 kW Emergency Diesel Generator	254-15H	5,675
300 kW Emergency Diesel Generator	254-16H	5,675
250 kW Emergency Diesel Generator	254-1H	5,510
1,000 kW Emergency Diesel Generator	254-21H	17,475
275 kW Emergency Diesel Generator	254-3H	5,512
150 kW Emergency Diesel Generator	254-4H	2,920
500 kW Emergency Diesel Generator	254-8H	11,407
400 kW Emergency Diesel Generator	254-9H	8,682
500 kW Emergency Diesel Generator	254-H	11,407
200 kW Emergency Diesel Generator	299-1H	4,875
50 kW Emergency Diesel Generator	719-H	1,025
455 kW Emergency Diesel Generator	720-H	6,000
192 bHp Emergency Water Pump	905-87H	872
900 kW Emergency Diesel Generator #2	200-H	16,900

Units in excess of the allotted values as presented above may have the above cited exemption rescinded and may be required to obtain permits prior to further operation.

ATTACHMENT B

Insignificant Activities (K Area)

U. S. Department of Energy
Washington Savannah River Company - Savannah River Site
TV-0080-0041

The following table contains a list of activities located at the Savannah River Site's K-Area which are considered insignificant pursuant to SC Regulation 61-62.70.5(c). Sources listed below are not exempt from any otherwise applicable state or federal requirements including, but not limited to, opacity standards, ambient air quality standards, and air toxic standards.

ID	General Description	Basis
089K*	152-7K Emergency Diesel Generator (200 kW & < 250 hr/yr)	Emission Level
093K*	183-3K Emergency Diesel Generator (365 kW & < 250 hr/yr)	Emission Level
128K	715-K Fuel Dispensing Station (Fugitive Emissions)	Emission Level
163K	715-K Underground Gasoline Tank #1 (5000 Gallons)	List B
201K*	192-2K Diesel Fire Pump (375 bHp & < 250 hr/yr)	Emission Level
223K	184-10 K Piping and Equipment Fugitive Emissions	Emission Level
236K	184-12K Fuel Unloading Area (Fugitive Emissions)	Emission Level
237K	184-2K Fuel Unloading Area (Fugitive Emissions)	Emission Level
238K	Diesel Fuel Tank (30,000 Gallons)	Emission Level
239K	Diesel Fuel Tank (30,000 Gallons)	Emission Level
291K*	105-K Emergency Diesel Generator (20kW & < 250 hrs/yr)	Emission Level

* These insignificant activities are exempt from obtaining BAQ construction permits per SC Regulation 61-62.1 Section II (F)(2)(e) either based on the condition that they will operate less than 250 hr/yr or based on the fact that they have a rated capacity of less than 150 kW. Records of fuel usage shall be maintained onsite to verify such exemption and shall be made readily available to Department personnel upon request. Annual fuel usage rates for these units are not expected to exceed the following:

DESCRIPTION	BLDG	GAL/YR
200 kW Emergency Diesel Generator	152-7K	1,218
365 kW Emergency Diesel Generator	183-3K	7,100
2500 GPM Emergency Diesel Fire Pump	192-2K	4,750
20kW Emergency Diesel Generator	105-K	725

Units in excess of the allotted values as presented above may have the above cited exemption rescinded and may be required to obtain permits prior to further operation.

ATTACHMENT B

Insignificant Activities (L Area)

U. S. Department of Energy
Washington Savannah River Company - Savannah River Site
TV-0080-0041

The following table contains a list of activities located at the Savannah River Site's L-Area which are considered insignificant pursuant to SC Regulation 61-62.70.5(c). Sources listed below are not exempt from any otherwise applicable state or federal requirements including, but not limited to, opacity standards, ambient air quality standards, and air toxic standards.

ID	General Description	Basis
010L*	152-7L Diesel Generator (200 kW & < 250 hr/yr)	Emission Level
118L*	**VOID -** 183-3L Emergency Diesel Generator (365 kW & < 250 hr/yr)	Emission Level
125L	715-L Underground Gasoline Tank #1 (5000 Gallons)	List B
138L	715-L Gasoline Fuel Dispensing Station (Fugitive Emissions)	Emission Level

* These insignificant activities are exempt from obtaining BAQ construction permits per SC Regulation 61-62.1 Section II (F)(2)(e) based on the condition that they will operate less than 250 hr/yr. Records of fuel usage shall be maintained onsite to verify such exemption and shall be made readily available to Department personnel upon request. Annual fuel usage rates for these units are not expected to exceed the following:

DESCRIPTION	BLDG	GAL/YR
200 kW Emergency Diesel Generator	152-7L	3,425
VOID - 365 kW Emergency Diesel Generator	183-3L	NA

Units in excess of the allotted values as presented above may have the above cited exemption rescinded and may be required to obtain permits prior to further operation.

ATTACHMENT B

Insignificant Activities (M Area)

U. S. Department of Energy
Washington Savannah River Company - Savannah River Site
TV-0080-0041

The following table contains a list of activities located at the Savannah River Site's M-Area which are considered insignificant pursuant to SC Regulation 61-62.70.5(c). Sources listed below are not exempt from any otherwise applicable state or federal requirements including, but not limited to, opacity standards, ambient air quality standards, and air toxic standards.

ID	General Description	Basis
522M*	782-1M Diesel Fire Pump (117 bHp)	List B
606M	Process Sewer Line PSVE Wells	Emission Level
607M	**VOID** - 321-M Plasma Arc Cutting in SS Hut	Emission Level
608M	SSTA SVE Wells	Emission Level

* These insignificant activities are exempt from obtaining BAQ construction permits per SC Regulation 61-62.1 Section II (F)(2)(e) either based on the condition that they will operate less than 250 hr/yr or based on the fact that they have a rated capacity of less than 150 kW. Records of fuel usage shall be maintained onsite to verify such exemption and shall be made readily available to Department personnel upon request. Annual fuel usage rates for these units are not expected to exceed the following:

DESCRIPTION	BLDG	GAL/YR
117 bHp Diesel Fire Pump	782-1M	531

Units in excess of the allotted values as presented above may have the above cited exemption rescinded and may be required to obtain permits prior to further operation.

ATTACHMENT B

Insignificant Activities (N Area)

U. S. Department of Energy
Washington Savannah River Company - Savannah River Site
TV-0080-0041

The following table contains a list of activities located at the Savannah River Site's N-Area which are considered insignificant pursuant to SC Regulation 61-62.70.5(c). Sources listed below are not exempt from any otherwise applicable state or federal requirements including, but not limited to, opacity standards, ambient air quality standards, and air toxic standards.

ID	General Description	Basis
236S	**VOID** - Boiler/Space Heater & < 1.5E+6 BTU/hr Input Capacity	List B
372N	Boiler/Space Heater, 9.375E+5 BTU/hr Input Capacity	List B
003N & 022N	Boilers/Space Heaters, 3.5E+5 BTU/hr Input Capacity	List B
002N, 227N, & SH14	Boilers/Space Heaters, 3.15E+5 BTU/hr Input Capacity	List B
013N, SH13, SH16, & 259N	Boilers/Space Heaters, 2.85E+5 BTU/hr Input Capacity	List B
262N & 270N	**VOID** - Boilers/Space Heaters, 2.85E+5 BTU/hr Input Capacity	List B
019N, 047N, & 056N	Boilers/Space Heaters, 2.80E+5 BTU/hr Input Capacity	List B
SH20, 078N, SH18, 293N, 297N, & 201N	Boilers/Space Heaters, 2.52E+5 BTU/hr Input Capacity	List B
091N	**VOID** - Boilers/Space Heaters, 2.5E+5 BTU/hr Input Capacity	List B
SH03, 016N, 014N, 094N, SH26, 059N, 039N, 322N, 237N, 330N, 200N, 204N, & 166N	Boilers/Space Heaters, 2.5E+5 BTU/hr Input Capacity	List B
SH06, SH05, SH07, 093N, 088N, 100N, 323N, & 275N	Boilers/Space Heaters, 2.30E+5 BTU/hr Input Capacity	List B
321N	**VOID** - Boilers/Space Heaters, 2.30E+5 BTU/hr Input Capacity	List B
023N, SH04, 066N, 104N, 103N, 046N, 064N, SH52, & 250N	Boilers/ Space Heaters, 2.25E+5 BTU/hr Input Capacity	List B
083N, 343N, 345N, 346N, 348N, 261N, 269N, 092N, 098N, & 109N	Boilers/Space Heaters, 1.18E+5 BTU/hr Input Capacity	List B
470N, 471N, 472N, 473N, 474N, 299N, 982N, 985N, 986N, 258N, 075N, 706N, 707N, 708N, 709N, 710N, 711N, 712N, 713N, 714N, 715N, 716N, 717N, 718N, 719N, 720N, 721N, 722N, 723N, 724N, 725N, 726N, 727N	Construction Grinding Operations	Emission Level

ATTACHMENT B

Insignificant Activities (N Area)

U. S. Department of Energy
Washington Savannah River Company - Savannah River Site
TV-0080-0041

ID	General Description	Basis
728N, 729N, 730N, 731N, 732N, 733N, 734N, 735N, 736N, 737N, 738N, 739N, 740N, 741N, 742N, 743N, 744N, 745N, 746N, 747N, 748N, 749N, 750N, 751N, 752N, 753N, 754N, 755N, 756N, 757N, 758N, 759N, 760N, 761N, 762N, 763N, 764N, 765N, 15DN, 16DN, 17DN, 18DN, 19DN, 20DN, 044N, 523N, 524N, 525N, 526N, 68CN, 69CN, 70CN, 531N, 534N, 535N, 536N, 537N, 538N, 75CN, 76CN, 77CN, 78CN, 519N, 521N, 522N, 57CN, 58CN, 59CN, 61CN, 62CN, 63CN, 64CN, 120N, 122N, 88BN, 89BN, 90BN, 92BN, 476N, 212N, 226N, 504N, 505N, 506N, 508N, 509N, 510N, 511N, 512N, 497N, 498N, 499N, 268N, 500N, 501N, 502N, 503N, 278N, 96BN, 97BN, 99BN, 01CN, 02CN, & 03CN	Construction Grinding Operations	Emission Level
07CN, 08CN, 09CN, 10CN, 12CN, 13CN, 14CN, 15CN, 294N, 296N, 257N, 144N, 84CN, 85CN, 86CN, 87CN, 88CN, 465N, 466N, 467N, 468N, 469N, 177N, 516N, 517N, 518N, 342N, 487N, 488N, 490N, 97CN, 99CN, 065N, 301N, 970N, 979N, 844N, 845N, 846N, 847N, 848N, 849N, 850N, 851N, 852N, 853N, 854N, 855N & 856N	Construction Welding Operations	Emission Level
857N, 858N, 859N, 860N, 861N, 862N, 863N, 864N, 865N, 866N, 867N, 868N, 869N, 870N, 871N, 872N, 873N, 874N, 875N, 879N, 876N, 877N, 878N, 880N, 881N, 882N, 883N, 884N, 885N, 93BN, 886N, 887N, 888N, 889N, 890N, 891N, 892N, 899N, 893N, 894N, 895N, 896N, 897N, 898N, 900N, 902N, 903N, 904N, 905N, 906N, 907N, 908N, 909N, 910N, 911N, 912N, 913N, 914N, 915N, 916N, 917N, 918N, 919N, 920N, 921N, 922N, 923N, 924N, 925N, 926N, 927N, 928N, 929N, 930N, 931N, 932N, 933N, 934N, 935N, 936N & 937N	Construction Welding Operations	Emission Level
938N, 939N, 940N, 941N, 942N, 943N, 944N, 945N, 946N, 947N, 948N, 949N, 950N, 951N, 952N, 953N, 954N, 955N, 956N, 957N, 958N, 959N, 960N, 961N, 962N, 964N, 966N, 967N, 968N, 969N, 971N, 973N, 976N, 978N, 980N, 981N, 983N, 984N, 987N, 988N, 989N, 990N, 991N, 992N, 993N, 994N, 995N, 996N, 997N, 998N, 999N, 01AN, 02AN, 03AN, 04AN, 06AN, 07AN, 08AN, 09AN, 11AN, 12AN, 13AN, 15AN, 20AN, 22AN, 23AN, 25AN & 27AN	Construction Grinding Operations	Emission Level

ATTACHMENT B

Insignificant Activities (N Area)

U. S. Department of Energy
Washington Savannah River Company - Savannah River Site
TV-0080-0041

ID	General Description	Basis
28AN, 29AN, 30AN, 31AN, 32AN, 33AN, 34AN, 35AN, 36AN, 38AN, 39AN, 40AN, 41AN, 42AN, 43AN, 44AN, 46AN, 47AN, 48AN, 50AN, 51AN, 52AN, 53AN, 55AN, 57AN, 58AN, 59AN, 61AN, 63AN, 64AN, 65AN, 66AN, 67AN, 68AN, 69AN, 70AN, 71AN, 72AN, 73AN, 74AN, 75AN, 76AN, 77AN, 78AN, 79AN, 80AN, 81AN, 82AN, 83AN, 84AN, 85AN, 88AN, 89AN, 90AN, 91AN, 93AN, 94AN, 95AN, 96AN, 97AN, 98AN, 99AN, 01BN, 02BN, 03BN, 04BN, 05BN, 06BN, 07BN, 08BN, 09BN, 10BN & 11BN	Construction Welding Operations	Emission Level
496N, 263N, 265N, 264N, 267N, 266N, 280N, 284N, 281N, 282N, 285N, 287N, 290N, 289N, 288N, 492N, 668N, 671N, 303N, 306N, 304N, 309N, 319N, 318N, 317N, 316N, 315N, 314N, 313N, 312N, 256N, 182N, 184N, 183N, 185N, 186N, 161N, 163N, 162N, 165N, 164N, 178N, 179N, 180N, 483N, 484N, 486N, 94CN, & 96CN	Construction Welding Operations	Emission Level
527N, 528N, 529N, 530N, 532N, 533N, 520N, 56CN, 60CN, 91BN, 477N, 478N, 507N, 98BN, 04CN, 05CN & 06CN	**VOID** - Construction Grinding Operations	Emission Level
11CN, 98CN, 283N, 286N, 292N, 291N, 493N, & 95CN	**VOID** - Construction Welding Operations	Emission Level
14DN, 57DN, 475N & 079N	Construction Oxy/Acetylene Cutting Operations	Emission Level
58DN, 59DN, 024N, 202N, 277N, 494N & 136N	Construction Plasma Arc Cutting Operations	Emission Level
001G*	681-17N Diesel Pump (370 bHp & < 250 hr/yr)	Emission Level
032N	645-2N Drum Crusher	Emission Level
03EN*	Portable Diesel Equipment Pool – Internal Combustion Engines < 200 bHp	List B
04EN	Portable Gasoline Equipment Pool – Internal Combustion Engines < 200 bHp	List B
05AN	725-N Spray Painting (Fugitive Emissions)	List B
068N	711-N Fuel Oil Distribution (Fugitive Emissions)	List B
077N	711-2N Fuel Oil Distribution (Fugitive Emissions)	List B
080N	715-N Underground Diesel Fuel Tank #1 (10,000 Gallons)	Emission Level
082N & 096N	715-N Diesel & Gasoline Fuel Dispensing Station (Fugitive Emissions)	Emission Level
101N	715-N Underground Gasoline Tank #1 (10,000 Gallons)	Emission Level
105N	**VOID -** 711-3N Fuel Oil Distribution (Fugitive Emissions)	List B
112N	711-9N Fuel Oil System (Fugitive Emissions)	List B

ATTACHMENT B

Insignificant Activities (N Area)

U. S. Department of Energy
Washington Savannah River Company - Savannah River Site
TV-0080-0041

ID	General Description	Basis
127N	711-9N Abrasive Cleaning Booth	List B
140N	717-3N Fuel Oil Piping (Fugitive Emissions)	List B
16CN	715-2N Gasoline Tank (1,000 Gallons)	List B
203N	**VOID** - 622-1N Asphalt Emulsion Storage Tank (20,000 Gallons)	Emission Level
236N	717-8N Fuel Oil Distribution (Fugitive Emissions)	List B
239N	717-8N Disk/Belt Sander	List B
240N & 245N	717-8N Band Saw	List B
241N	717-8N Jointer	List B
242N	717-8N Shaper	List B
243N	717-8N Sanding/Planing Planer	List B
246N & 247N	717-8N Radial Arm Saw #1 & 2	List B
260N	717-7N Form Release Compound Spraying (Fugitive Emissions)	List B
26CN	725-2N Varsol Vat (Fugitive Emissions)	List B
271N	717-9N Fuel Oil Distribution (Fugitive Emissions)	List B
273N	725-N Carpenter Shop Plexiglass Cutting (Fugitive Emissions)	List B
274N	725-N Artist Brush Painting (Fugitive Emissions)	List B
27CN	725-2N 54 Reducer Vat (Fugitive Emissions)	List B
295N	**VOID** - 725-N Fuel Oil Distribution (Fugitive Emissions)	List B
298N	**VOID** - 716-N Parts Cleaning Tank #1 (Fugitive Emissions)	List B
300N	**VOID** - 716-N Parts Cleaning Tank #2 (Fugitive Emissions)	List B
324N, 325N & 329N	717-10N Band Saw (Fugitive Emissions)	List B
326N & 328N	717-10N Router (Fugitive Emissions)	List B
327N	717-10N Table Saw (Fugitive Emissions)	List B
344N	725-1N Fuel Oil Distribution (Fugitive Emissions)	List B
347N	717-9N Brazing Booth	List B
349N	716-N Fuel Oil Distribution (Fugitive Emissions)	List B
351N & 371N	725-N Silk Screening Operations	Emission Level
369N	**VOID** - 714-5N Office Space Heater (3.0E+5 BTU/hr)	List B
373N	725-2N Piping & Equipment Fugitive Emissions	List B
374N	725-2N Fuel Oil Tank (1000 Gallons)	List B
384N	711-4N Lead Melting Pot #1	Emission Level
385N	711-4N Lead Melting Pot #2	Emission Level
386N	725-2N Spray Paint Application Building (Fugitive Emissions)	List B
387N	725-1N Brush Painting (Fugitive Emissions)	List B
40BN & 42BN	717-8N Miter Saw	List B
437N	**VOID** - 717-12N Waste Paint Drumming Operations (Fugitive Emissions)	List B

ATTACHMENT B

Insignificant Activities (N Area)

U. S. Department of Energy
Washington Savannah River Company - Savannah River Site
TV-0080-0041

ID	General Description	Basis
491N	711-5N Brazing Operations (Fugitive Emissions)	List B
540N	717-3N Fuel Oil Tank (2000 Gallons)	List B
542N	717-9N Fuel Oil Tank (1000 Gallons)	List B
543N	717-8N Fuel Oil Tank (1000 Gallons)	List B
544N	725-1N Fuel Oil Tank (1000 Gallons)	List B
545N	715-2N Diesel Tank #2 (10,000 Gallons)	Emission Level
546N	715-3N Fuel Oil Tank (10,000 Gallons)	Emission Level
547N	715-2N Diesel Tank #1 (10,000 Gallons)	Emission Level
81DN	717-N Shredder/Pelletizer	Emission Level
83DN*	704-N Emergency Diesel Generator (30 kW)	List B
84DN*	713-1N Emergency Diesel Generator (75kW)	List B
85DN*	717-9N Emergency Diesel Generator (75 kW)	List B
91CN	**VOID** - 717-12N Aerosol Can Crusher (Fugitive Emissions)	List B
93CN	631-2N Portable Truck Mounted Grinder/Chipper	Emission Level
95BN	716-N Fuel Oil Tank (2,000 Gallons)	List B
974N	**VOID** - 716-N Parts Cleaning Tank #4 (Fugitive Emissions)	List B

* These insignificant activities are exempt from obtaining BAQ construction permits per SC Regulation 61-62.1 Section II (F)(2)(e) either based on the condition that they will operate less than 250 hr/yr or based on the fact that they have a rated capacity of less than 150 kW. Records of fuel usage shall be maintained onsite to verify such exemption and shall be made readily available to Department personnel upon request. Annual fuel usage rates for these units are not expected to exceed the following:

DESCRIPTION	BLDG	GAL/YR
2500 GPM Emergency Diesel Fire Pump	681-17N	4,700
30 kW Emergency Diesel Generator	704-N	182
75 kW Emergency Diesel Generator	713-1N	456
75 kW Emergency Diesel Generator	717-9N	456
Portable Diesel Equipment Pool	714-2N	420,000

Under no circumstances shall the annual facility wide limit established 4.B.25 be exceeded without first obtaining construction permits from the BAQ.

Units in excess of the allotted values as presented above may have the above cited exemption rescinded and may be required to obtain permits prior to further operation.

ATTACHMENT B

Insignificant Activities (P Area)

U. S. Department of Energy
Washington Savannah River Company - Savannah River Site
TV-0080-0041

The following table contains a list of activities located at the Savannah River Site's P-Area which are considered insignificant pursuant to SC Regulation 61-62.70.5(c). Sources listed below are not exempt from any otherwise applicable state or federal requirements including, but not limited to, opacity standards, ambient air quality standards, and air toxic standards.

ID	General Description	Basis
243P	P-Area Burning Rubble Pit Passive Soil Vapor Extraction	Emission Level

ATTACHMENT B

Insignificant Activities (R Area)

U. S. Department of Energy
Washington Savannah River Company - Savannah River Site
TV-0080-0041

The following table contains a list of activities located at the Savannah River Site's R-Area which are considered insignificant pursuant to SC Regulation 61-62.70.5(c). Sources listed below are not exempt from any otherwise applicable state or federal requirements including, but not limited to, opacity standards, ambient air quality standards, and air toxic standards.

ID	General Description	Basis
None	None	None

ATTACHMENT B

Insignificant Activities (S Area)

U. S. Department of Energy
Washington Savannah River Company - Savannah River Site
TV-0080-0041

The following table contains a list of activities located at the Savannah River Site's S-Area which are considered insignificant pursuant to SC Regulation 61-62.70.5(c). Sources listed below are not exempt from any otherwise applicable state or federal requirements including, but not limited to, opacity standards, ambient air quality standards, and air toxic standards.

ID	General Description	Basis
020S	980-S Organic Waste Neutralization Tank #2 (3150 Gallons)	Emission Level
071S	980-S Caustic Waste Neutralization Tank #1 (6,100 Gallons)	Emission Level
074S	980-S 5% NaOH Mix Tank (150 Gallons)	Emission Level
076S	980-S Caustic Waste Neutralization Tank #2 (6100 Gallons)	Emission Level
079S	980-S Organic Waste Neutralization Tank #1 (3150 Gallons)	Emission Level
080S	980-S 10% NaOH Mix Tank (150 Gallons)	Emission Level
085S	221-S Vitrification Process Off Gas Chemical Feed Tank	Emission Level
096S	221-S Zone 2 Caustic Floor Drain Catch Tank (1200 Gallons)	Emission Level
098S	221-S Zone 2 Acid Drain Catch Tank (1200 Gallons)	Emission Level
100S	221-S Vitrification Process Nitric Acid Feed Tank (600 Gallons)	Emission Level
102S	221-S Zone 2 Organic Acid Drain Tank (1200 gallons)	Emission Level
103S	221-S Vitrification Process Oxalic Decon Feed Tank (1100 gallons)	Emission Level
105S	221-S Zone 2 Additive Mix Feed Tank (100 Gallons)	Emission Level
106S	221-S Zone 2 Catalyst Feed Tank (180 gallons)	Emission Level
107S	221-S Vitrification Process Frit Decon Slurry Feed Tank (780 Gallons)	Emission Level
108S	221-S Zone 2 Process Frit Slurry Feed Tank (2,800 Gallons)	Emission Level
109S	221-S Vitrification Process Nitric Acid Decon Feed Tank (1100 Gallons)	Emission Level
110S	221-S Vitrification Process Caustic Tank (600 Gallons)	Emission Level
111S	221-S Vitrification Process Nitric Acid Tank (100 Gallons)	Emission Level
121S	221-S Vitrification Process 90% Formic Acid Tank (600 Gallons)	Emission Level
128S	422-S Frit Slurry Makeup Tank (2400 gallon)	List B
129S	221-S Vitrification Process Formic Acid Dilution Tank, 2000 Gal	Emission Level
131S	221-S Vitrification Process Diluted Formic Acid Feed Tank (2000 Gallons)	List B
132S	221-S Vitrification Process Oxalic Acid Makeup Tank (1300 gallon)	List B
138S	292-S Underground Diesel Fuel Tank (15,000 Gallon)	Emission Level
176S	511-S Sludge Tank (5800 Gallons)	Emission Level
177S	511-S Recycle Tank (5800 Gallons)	Emission Level
178S	511-S Precipitate Tank (5800 Gallons)	Emission Level
192S	980-S 8% Nitric Acid Mix Day Tank (375 Gallons)	Emission Level
221S	**VOID** - Construction Grinding and Construction Welding	Emission Level
229S	Construction Grinding and Construction Welding	Emission Level
239S	292-S Underground Diesel Fuel Tank (15,000 Gallon)	Emission Level
253S*	905-1S Deep Well Diesel Pump (174 bHp)	List B
254S	221-S Salt Processing Cell	Emission Level
255S	221-S Analytical Cells 1, 2, and 3	Emission Level
256S	221-S Vitrification Process CDC-SME ISO Pot	Emission Level
257S	221-S Vitrification Process Reactor Bottoms Tank (11,000 Gallons)	Emission Level
259S	221-S Vitrification Process Canister Decon Chamber #1 & #2	Emission Level
261S	221-S Crane Maintenance Area	Emission Level

ATTACHMENT B

Insignificant Activities (S Area)

U. S. Department of Energy
Washington Savannah River Company - Savannah River Site
TV-0080-0041

ID	General Description	Basis
262S	**VOID** - 221-S Vitrification Process Canister Decon Chamber #2	Emission Level
263S	221-S Vitrification Process Slurry Mix Evaporator Condensate Tank (11,000 Gallons)	Emission Level
264S	221-S Vitrification Process Decon Waste Treatment	Emission Level
265S	221-S Vitrification Process Melter Feed Tank (11,000 Gallons)	Emission Level
268S	221-S Mercury Purification Cell	Emission Level
269S	Decon and Maintenance Cell	Emission Level
271S	Chemical Process Cell (west)	Emission Level
272S	221-S Canister Decon Cell	Emission Level
273S	221-S Chemical Process Cell	Emission Level
274S	221-S Vitrification Process Recycle Collection Tank (11,000 Gallons)	Emission Level
275S	221-S Vitrification Process Reactor Feed Tank (7,000 Gallons)	Emission Level
276S	221-S Sample Cell	Emission Level
278S	221-S Vitrification Process Off Gas Condensate Tank (OGCT) #1	Emission Level
279S	221-S Vitrification Process Organic Evaporator Condensate Tank (370 Gallons)	Emission Level
282S	422-S Formic Acid Storage Tank #1 (fugitives)	Emission Level
286S	221-S Vitrification Process Potassium Nitrate Make-up Tank (160 gal)	Emission Level
287S	221-S Vitrification Process Boric Acid Make-up Tank (160 gal)	Emission Level
288S	422-S Catalyst Makeup Tank (600 gallon)	List B
289S	221-S Vitrification Process Sodium Nitrite Make-up Tank (540 gal)	Emission Level
291S	221-S Vitrification Process Nitric Acid Decon Makeup Tank (1300 Gallons)	Emission Level
293S	221-S Vitrification Process 50% Nitric Acid Storage Tank (1000 Gallons)	Emission Level
295S	221-S Vitrification Process Decon Solution Make-up Tank (550 gal)	Emission Level
298S	221-S Vitrification Process Formic Acid Storage Tank #2 (6500 Gallons)	Emission Level
301S	221-S Vitrification Process Caustic Storage Tank (6500 Gallons)	Emission Level
332S*	980-S Diesel Pump (261 bHp & < 250 hr/yr)	Emission Level
333S	980-S Organic Waste Neutralization Tank #1 (fugitives)	Emission Level
334S	980-S Organic Waste Neutralization Tank #2 (fugitives)	Emission Level
335S	980-S Nitric Acid Waste Hold Tank (2100 Gallons)	Emission Level
349S	422-S Frit Transfer (0.25 Tons/yr)	Emission Level
367S	980-S 8% Nitric Acid Mix Day Tank	Emission Level
368S	980-S 10% NaOH Mix Day Tank (fugitives)	Emission Level
369S	980-S 10% NaOH Mix Day Tank (fugitives)	Emission Level
370S	980-S Caustic Waste Neutralization Tank #2 (fugitives)	Emission Level
371S	980-S Caustic Waste Neutralization Tank #1 (fugitives)	Emission Level
372S	980-S Nitric Acid Waste Hold Tank (fugitives)	Emission Level
374S	221-S Vitrification Process Formic Acid Storage Tank #1 (6500 Gallons)	Emission Level
388S	221-S Crane Decon Feed Tank	Emission Level
403S*	905-2S Deep Well Diesel Pump (174 bHp)	List B
488S	221-S Vitrification Process Off Gas Condensate (OGCT) #2	Emission Level

* These insignificant activities are exempt from obtaining BAQ construction permits per SC Regulation 61-62.1 Section II (F)(2)(e) either based on the condition that they will operate less than 250 hr/yr or based on the fact that they have a rated capacity of less than 150 kW. Records of fuel usage shall be maintained onsite to verify such exemption and shall be made readily available to Department personnel upon request. Annual fuel usage rates for these units are not expected to exceed the following:

ATTACHMENT B

Insignificant Activities (S Area)

U. S. Department of Energy
Washington Savannah River Company - Savannah River Site
TV-0080-0041

DESCRIPTION	BLDG	GAL/YR
Deep Well Diesel Pump (174 bHp)	905-1S	790
Deep Well Diesel Pump (174 bHp)	905-2S	790
261 bHp Emergency Diesel Fire Pump	980-S	3,875

Units in excess of the allotted values as presented above may have the above cited exemption rescinded and may be required to obtain permits prior to further operation.

ATTACHMENT B

Insignificant Activities (TNX Area)

U. S. Department of Energy
Washington Savannah River Company - Savannah River Site
TV-0080-0041

The following table contains a list of activities located at the Savannah River Site's TNX-Area which are considered insignificant pursuant to SC Regulation 61-62.70.5(c). Sources listed below are not exempt from any otherwise applicable state or federal requirements including, but not limited to, opacity standards, ambient air quality standards, and air toxic standards.

ID	General Description	Basis
254T	906-T Air Stripper	Emission Level

ATTACHMENT B

Insignificant Activities (Z Area)

U. S. Department of Energy
Washington Savannah River Company - Savannah River Site
TV-0080-0041

The following table contains a list of activities located at the Savannah River Site's Z-Area which are considered insignificant pursuant to SC Regulation 61-62.70.5(c). Sources listed below are not exempt from any otherwise applicable state or federal requirements including, but not limited to, opacity standards, ambient air quality standards, and air toxic standards.

ID	General Description	Basis
035Z*	901-Z Fire Water Diesel (141 bHp)	List B
040Z*	956-Z Emergency Diesel Generator (425 kW & < 250 hr/yr)	Emission Level
042Z	956-Z Diesel Fuel Storage Tank (1500 Gallons)	Emission Level
089Z	Clean Cap Batch Tank	Emission Level
091Z	Salt Feed Tank	Emission Level
092Z	Pig Launcher	Emission Level
093Z	Process Room Ventilation	Emission Level
103Z	Saltstone Disposal Area (4.35 E+7 Cu. Ft.)	Emission Level

* These insignificant activities are exempt from obtaining BAQ construction permits per SC Regulation 61-62.1 Section II (F)(2)(e) either based on the condition that they will operate less than 250 hr/yr or based on the fact that they have a rated capacity of less than 150 kW. Records of fuel usage shall be maintained onsite to verify such exemption and shall be made readily available to Department personnel upon request. Annual fuel usage rates for these units are not expected to exceed the following:

DESCRIPTION	BLDG	GAL/YR
141 bHp Fire Water Diesel	901-Z	640
425 kW Emergency Diesel Generator	956-Z	7,220

Units in excess of the allotted values as presented above may have the above cited exemption rescinded and may be required to obtain permits prior to further operation.

ATTACHMENT C

Applicable and Non-Applicable Federal and State Regulations

U. S. Department of Energy
Washington Savannah River Company - Savannah River Site
TV-0080-0041

The following contains the Federal and South Carolina air pollution regulations which were specified in the Part 70 permit application and determined as applicable and non-applicable by the Department as of the date of this permit issuance. This attachment may be revised by the Department in the event of a change in the nature or emission of pollutants at the source or promulgation of new or revised regulations. The Department is not granting a permit shield for non-applicability to SC Regulation Standard Number 7. Otherwise, the Department grants a shield for non-applicability to other applicable requirements located in the facility's permit shield request received by the Department on March 14, 1996.

Attachment C remains unchanged from Previous Document

ATTACHMENT D

N-Area Mobile Diesel Equipment Pool

U. S. Department of Energy
Washington Savannah River Company - Savannah River Site
TV-0080-0041

UNIT ID N-031				
Equipment ID	**Equipment Description**	**Installation Date**	**Control Device ID**	**Stack ID**
463N	Portable Diesel Generator SRO 7850 (260 kW)	5/1993	None	NGE0004
76DN	Portable Air Compressor SRO 5232 (335 bHp)	4/2000	None	NGE0044
77DN	Portable Air Compressor SRO 5289 (335 bHp)	4/2000	None	NGE0045
78DN	Portable Air Compressor SRO 6933 (335 bHp)	4/2000	None	NGE0046
50DN	Portable Air Compressor SRO 7776 (315 bHp)	7/1996	None	NGE0032
411N	Portable Diesel Compressor SRO 1334 (215 bHp)	8/1992	None	NGE0020
412N	**VOID -** Portable Diesel Compressor SRO 1345 (211 bHp)	8/1992	None	NGE0021
2130	**VOID -** Portable Diesel Compressor SRO 1347 (211 bHp)	8/1992	None	NGE0023
51DN	Portable Diesel Generator SRO 7947 (160 kW)	6/1996	None	NGE0028
52DN	Portable Diesel Generator SRO 7948 (160 kW)	6/1996	None	NGE0029
53DN	**VOID -** Portable Diesel Generator SRO 7949 (160 kW)	6/1996	None	NGE0030
54DN	Portable Diesel Generator SRO 7950 (160 kW)	6/1996	None	NGE0031
61DN	61DN 315 bHp Portable Air Compressor SRO 5262	9/1998	None	NGE0039
62DN	62DN 315 bHp Portable Air Compressor SRO 5263	9/1998	None	NGE0040
39GA	Mobile Diesel Generator (200 kW)	5/2005	None	ALE0015