



South Carolina Department of Health  
and Environmental Control

## Part 70 Air Quality Permit

United States Department of Energy  
Savannah River Nuclear Solutions, LLC – Savannah River Site  
Environmental Services Section  
Savannah River Site D-Area Powerhouse  
Building 705-3C  
Aiken, SC 29808-0001  
(permit updated 1/21/09 and 10/16/09)

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 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 dated October 31, 2005, and revisions received January 3, 2006, and February 28, 2006.

This permit is subject to and conditioned upon the terms, limitations, standards, and schedules contained in or specified on the 25 pages, with the accompanying attachments, of this permit.

Permit Number: TV-0300-0036  
Issue Date: May 15, 2007

Effective Date: July 1, 2007  
Expiration Date: June 30, 2012

Director, Engineering Services Division  
Bureau of Air Quality



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**PART 1.0 GENERAL INFORMATION**

**A. APPLICABLE PERMIT DATES**

ISSUE DATE : May 15, 2007  
EFFECTIVE DATE : July 1, 2007  
EXPIRATION DATE : June 30, 2012  
  
RENEWAL APPLICATION DUE : December 31, 2011

**B. FACILITY INFORMATION**

ENVIRONMENTAL CONTACT : Ms. Kim A Wolfe  
CONTACT TELEPHONE NUMBER : (803) 557-8676  
INTERNET E-MAIL ADDRESS : kim.wolfe@srs.gov  
FACILITY LOCATION : SC Hwy 19, about 20 miles south of Aiken  
COUNTY : Aiken  
SIC CODE(S) : 4911  
NAICS CODE(S) : 221112  
AFS CODE : 45 011 00036

**C. FACILITY ADDRESS**

FACILITY NAME : Savannah River Site  
c/o Ms. Kim A Wolfe  
ADDRESS : Building 705-3C  
CITY, STATE, ZIP : Aiken, SC 29808-0001

**D. FACILITY BILLING ADDRESS**

FACILITY BILLING NAME : Savannah River Site  
c/o Ms. Kim A Wolfe  
ADDRESS : Building 705-3C  
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 Section 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 US 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 makes 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 Part 5.0 of this permit. (Revised 05/21/99)

#### **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)] *(Revised 05/21/99)***

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 unless the regulation specifically provides for a longer compliance period. 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)] (Revised 05/21/99)**

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; and

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.

Additionally, 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 05/21/99)*

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 that meets the requirements of SC Regulation 61-62.70.5(d).

The responsible official 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 methods or means used for determining the compliance status with each term and condition during the certification period, and whether such methods or 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 5/21/99)*

The permittee shall submit a compliance schedule that contains the following for all Part 70 sources that are not in compliance with all applicable rules:

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.

<b>TABLE 4.1 EMISSION LIMITS AND STANDARDS</b>				
<b>Pollutant</b>	<b>Limit/Standard</b>	<b>Regulation</b>	<b>State Only Requirement</b>	<b>Condition Number</b>
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, Standard 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, Section III	No	N/A
Ozone Depleting Substances	*	40 CFR Part 82, Subpart F	No	4.B.7
Asbestos	*	40 CFR Part 61.145	No	4.B.8

**TABLE 4.1 EMISSION LIMITS AND STANDARDS**

Pollutant	Limit/Standard	Regulation	State Only Requirement	Condition Number
Hazardous Air Pollutants (HAPs)	As specified in the Regulation	40CFR63, Subpart DDDDD - National Emission Standards For Hazardous Air Pollutants For Industrial, Commercial, and Institutional Boilers and Process Heaters and Subpart A	No	4.B.9

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)

Condition Number	Condition
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.
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. This 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 are considered insignificant pursuant to SC Regulation 61-62.70.5(c) has been submitted with your Title V application and reviewed by our 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)

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Condition Number	Condition
4.B.5	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 Manager of the Technical Management Section, Bureau of Air Quality (BAQ). 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.6	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.7	The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, 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.
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	This facility is subject to the provisions of 40 CFR Part 63, National Emission Standards for Hazardous Air Pollutants, Subparts A and DDDDD (Industrial, Commercial, and Institutional Boilers and Process Heaters). Existing affected sources shall comply with the applicable provisions by the compliance date specified in Subpart DDDDD. Any new affected sources shall comply with the requirements of these Subparts upon initial start-up unless otherwise noted.

**PART 5.0 EMISSION UNIT REQUIREMENTS**

**A. EMISSION UNIT DESCRIPTION**

Table 5.1 is a description of emission units located at this facility.

<b>TABLE 5.1 EMISSION UNITS</b>		
Unit ID	Unit Description	Control Device Description
01	484-D Pulverized Coal Boiler #1	Unit #1 Cyclone/Multiclone, Unit #1 Electrostatic Precipitator

Unit ID	Unit Description	Control Device Description
02	484-D Pulverized Coal Boiler #2	Unit #2 Cyclone/Multiclone, Unit #2 Electrostatic Precipitator
03	484-D Pulverized Coal Boiler #3	Unit #3 Cyclone/Multiclone, Unit #3 Electrostatic Precipitator
04	484-D Pulverized Coal Boiler #4	Unit #4 Cyclone/Multiclone, Unit #4 Electrostatic Precipitator
05	VOID	N/A
06	484-D Coal Handling Operations	N/A
07	VOID	N/A
08	VOID	N/A

N/A = Not Applicable

**B. CONTROL DEVICE DESCRIPTION**

Table 5.2 is a description of control devices located at this facility.

Control Device ID	Control Device Description	Installation Date	Pollutant(s) Controlled
C 001	Unit #1 Cyclone/Multiclone	1952	PM, PM <sub>10</sub>
E 001	Unit #1 Electrostatic Precipitator	1974	PM, PM <sub>10</sub>
C 002	Unit #2 Cyclone/Multiclone	1952	PM, PM <sub>10</sub>
E 002	Unit #2 Electrostatic Precipitator	1974	PM, PM <sub>10</sub>
C 003	Unit #3 Cyclone/Multiclone	1952	PM, PM <sub>10</sub>
E 003	Unit #3 Electrostatic Precipitator	1974	PM, PM <sub>10</sub>
C 004	Unit #4 Cyclone/Multiclone	1952	PM, PM <sub>10</sub>
E 004	Unit #4 Electrostatic Precipitator	1974	PM, PM <sub>10</sub>

**C. EQUIPMENT DESCRIPTION**

A description of the equipment located at this facility is provided in the following tables:

Equip ID	Equipment Description	Installation Date	Control Device ID	Stack ID
021D	396 x 10 <sup>6</sup> Btu/hr nominally rated pulverized coal boiler	1952	C 001, E 001	D PF 001

Equip ID	Equipment Description	Installation Date	Control Device ID	Stack ID
022D	396 x 10 <sup>6</sup> Btu/hr nominally rated pulverized coal boiler	1952	C 002, E 002	D PF 002

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<b>TABLE 5.5 UNIT ID 03 – Boiler #3</b>				
<b>Equip ID</b>	<b>Equipment Description</b>	<b>Installation Date</b>	<b>Control Device ID</b>	<b>Stack ID</b>
023D	396 x 10 <sup>6</sup> Btu/hr nominally rated pulverized coal boiler	1952	C 003, E 003	D PF 003

<b>TABLE 5.6 UNIT ID 04 – Boiler #4</b>				
<b>Equip ID</b>	<b>Equipment Description</b>	<b>Installation Date</b>	<b>Control Device ID</b>	<b>Stack ID</b>
024D	396 x 10 <sup>6</sup> Btu/hr nominally rated pulverized coal boiler	1952	C 004, E 004	D PF 004

<b>TABLE 5.7 UNIT ID 06 – Coal Handling Operations</b>				
<b>Equip ID</b>	<b>Equipment Description</b>	<b>Installation Date</b>	<b>Control Device ID</b>	<b>Stack ID</b>
034D	Coal Storage Pile	1952	N/A	D PJ 006
198D	Truck Unloading	1952	N/A	D PJ 005
199D	Bulldozers/Loader	1952	N/A	D PJ 005
201D	Coal Transfer/Drop Points	1952	N/A	D PJ 005
033D	Coal Crushing	1952	N/A	D PJ 005

**D. EMISSION LIMITS AND STANDARDS**

Table 5.8 contains summaries of emission unit emission limits and standards.

<b>TABLE 5.8 EMISSION LIMITS AND STANDARDS</b>						
<b>Unit ID</b>	<b>Pollutant/Standard</b>	<b>Limit</b>	<b>Reference Method</b>	<b>Regulation</b>	<b>State Only</b>	<b>Condition Number</b>
01-04	Opacity	40%, each	9	SC Regulation 61-62.5, Std. No. 1	No	5.E.1
01-04	PM	0.6 lb/10 <sup>6</sup> Btu, each	5, 17	SC Regulation 61-62.5, Std. No. 1	No	5.E.2
01-04	SO <sub>2</sub>	3.5 lb/10 <sup>6</sup> Btu, each	6, 6C	SC Regulation 61-62.5, Std. No. 1	No	5.E.3
06	Opacity	40%	9	SC Regulation 61-62.5, Std. No. 4	No	5.E.4
06	PM	63.0 lb/hr	5, 17	SC Regulation 61-62.5, Std. No. 4	No	5.E.5
01-04	Burning of waste oil	maximum of 6% waste firing rate, each	N/A	SC Reg 61-62.5, Std. No. 3	Yes	5.E.6

N/A = Not Applicable

\* This limit is an operating limit, not an emissions limit

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, Part 6.0, and Part 7.0 of this permit.

**E. EMISSION UNIT CONDITIONS**

Condition Number	Conditions
5.E.1	(ID01-04) In accordance with SC Regulation 61-62.5, Standard No. 1, Section I A., this source shall not discharge into the ambient air smoke which exceeds an opacity limit of forty (40%) during any 6-minute average. The forty (40) percent opacity limit may be exceeded for soot blowing only, where so equipped, but may not be exceeded for more than six (6) minutes in a one hour period nor be exceeded more than a total of twenty-four (24) minutes in a twenty-four (24) hour period. Emissions caused by soot blowing shall not exceed sixty (60) percent. This opacity standard applies at all times except during periods of startup or shutdown. 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. In addition, the owner/operator shall maintain a log of the time, magnitude, duration and any other pertinent information to determine periods of startup and shutdown.
5.E.2	(ID01-04) In accordance with SC Regulation 61-62.5, Standard 1, Emissions from Fuel Burning Operations, Section II, Particulate Matter Emissions, the maximum allowable discharge of particulate matter resulting from fuel burning operations is 0.6 lbs/10 <sup>6</sup> Btu heat input.
5.E.3	(ID01-04) In accordance with SC Regulation 61-62.5, Standard No. 1 - Emissions from Fuel Burning Operations, Section III - Sulfur Dioxide Emissions, the maximum allowable discharge of SO <sub>2</sub> resulting from fuel burning operations is 3.5 lbs/10 <sup>6</sup> Btu heat input.
5.E.4	(ID06) 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%.
5.E.5	(ID06) 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 ( $E = 4.10P^{0.67}$ ) and 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 coal handling allowable particulate matter emission limit is 63.0 lb/hr based on nominal production rating of 300 tons/hr.
5.E.6	Sources burning small quantities of spent petroleum products that is generated by the owner/operator with firing rate not exceeding 6% of unit's design heat input, are exempt from the requirements of SC Regulation 61-62.5, Standard No. 3, Section III(J) except as follows: <ol style="list-style-type: none"> <li>1) facility must have a valid permit for the boiler specifying the exact spent petroleum products to be burned,</li> <li>2) an analysis may be required to prove that the material to be burned is one of the substances authorized by the permit.</li> </ol>

**PART 6.0 MONITORING AND REPORTING REQUIREMENTS**

[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 this facility.

<b>TABLE 6.1 MONITORING AND REPORTING</b>						
<b>Unit ID</b>	<b>Pollutant/Parameter</b>	<b>Limit</b>	<b>Required Monitoring</b>	<b>Monitoring Frequency</b>	<b>Reporting Frequency</b>	<b>Condition Number</b>
01-04	PM	0.6 lb/10 <sup>6</sup> Btu	Source Test	Biennial or Annual	Within 30 days of test completion	6.B.1 6.B.2 6.B.3
01-04	Opacity	40%	COMS	Continuous	Quarterly	6.B.4 6.B.6
01-04	Opacity	40%	Source Test	Biennial or Annual	Within 30 days of test completion	6.B.5
01-04	PM	0.6 lb/10 <sup>6</sup> Btu	CAM	Semi-annual	Semi-annual	6.B.7
06	Opacity	40%	Visual Inspection	Semi-annual	Semi-annual	6.B.8
01-04	Fuel oil sulfur content	See Condition	Record keeping	Each shipment or batch	On Site	6.B.9
01-04	Coal sulfur content	See Condition.	Record keeping	Each shipment	On Site	6.B.10

N/A = Not Applicable

\*This limit is an operating limit, not an emissions limit

**B. MONITORING AND REPORTING CONDITIONS**

<b>Condition Number</b>	<b>General Conditions</b>
6.B.GC1	(Facility wide) Unless elsewhere specified within this permit, all records required to demonstrate compliance with the limits established under this permit shall be maintained on site for a period of at least five (5) years from the date generated and shall be made available to a Department representative upon request.
6.B.GC2	(Facility wide) Unless elsewhere specified within this permit, all reports required under this permit including all recorded parameters and calculated values shall be submitted to the Manager of the Technical Management Section, Bureau of Air Quality, at the address listed below, postmarked no later than thirty (30) calendar days after the end of the reporting period.  SC DHEC - BAQ Technical Management Section 2600 Bull Street Columbia, SC 29201

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Condition Number	Conditions
6.B.1	<p>(ID01-04) Compliance with the particulate matter emission limit shall be demonstrated through periodic particulate matter source testing in accordance with SC Regulation 61-62.1, Section IV – “Source Tests,” and Federal requirements, when applicable. Compliance with the particulate matter emission limit is to be observed during all periods of normal operation, including periods of soot-blowing, where applicable. This source is subject to SC Regulation 61-62.5, Standard No. 1, Section II and compliance with the particulate matter emission limit is to be observed during all periods of normal operation, including periods of soot blowing, where applicable. Particulate matter source testing is to be conducted in accordance with SC Regulation 61-62.1 Section IV D.5. and is not required to include soot blowing where so equipped. EPA Reference Method 5, 5B, or 17 shall be used for determination of particulate matter emissions when appropriate.</p> <p>The permittee shall submit a compliance test protocol representative of operational conditions during the period in question as required by SC Regulation 61-62.1, Section IV – “Source Tests” before conducting the test. Per SC Regulation 61-62.1, Section IV B.1, the requirement to submit a complete compliance test protocol is waived if the pre-approved test protocol remains unchanged from the previous particulate matter source test and the permittee specifically states so as part of the particulate matter source test schedule notification. Per SC Regulation 61-62.1 Section IV B.1, there shall be no waiver of the requirement to submit the particulate matter source test schedule notification portion of the protocol.</p>
6.B.2	<p>(ID01-04) For SC Standard No. 1 compliance, particulate matter source testing shall be conducted biennially during the same quarter as determined by the established cycle, except for the following alternate schedule. For periodic monitoring purposes if a unit exceeds 80 percent of its particulate limit during a stack test, stack tests shall be scheduled and conducted annually during the same quarter as determined by the established cycle. Upon demonstration that the source is operating under 80 percent of its particulate limit, as shown by two consecutive annual stack tests in which emissions from each test are less than 80% of the standard, the source may resume biennial stack testing. All source test reports shall be submitted to the Manager of the Source Evaluation Section of the Bureau of Air Quality no later than 30 days after the completion of the on-site testing, except as allowed per provisions of SC Regulation 61-62.1, Section IV(F)(1).</p>
6.B.3	<p>(ID01-04) The Department shall be notified not less than two (2) weeks before the proposed initiation of the tests so the Department may observe the test if it desires to do so.</p>
6.B.4	<p>(ID01-04) The owner/operator shall maintain on file all measurements including continuous monitoring system or monitoring device performance measurements; all continuous monitoring system performance evaluations; all continuous monitoring system or monitoring device calibration checks; adjustments and maintenance performed on these systems or devices; and all other information required in a permanent form suitable for inspection by Department personnel for at least five years following the date of such measurement, maintenance, report &amp; record.</p>
6.B.5	<p>(ID01-04) Compliance with the opacity limit shall be demonstrated through source testing and shall be done concurrently with required PM emissions testing. All source test reports shall be submitted to the Manager of Source Evaluation Section, Bureau of Air Quality, no later than 30 days after the completion of the on-site testing.</p> <p>A visible emission observation, in accordance with EPA Reference Test Method 9, shall be done concurrently with required PM emission testing. In circumstances where concurrent visual emission observations are biased (such as overlapping plumes, overcast skies or other non-controllable variables described in Method 9), the facility shall perform a make-up visible emission observation within 15 days of the PM test. The make-up observation shall be done with the unit’s operational mode (steam production, electricity generation) comparable to that of the PM test and shall be completed no later than fifteen (15) days after the PM test. All source test reports shall be submitted to the Manager of the Source Evaluation Section of the Bureau of Air Quality no later than 30 days after the completion of the on-site testing.</p>

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Condition Number	Conditions
6.B.6	<p>(ID01-04) Continuous Opacity Monitor reports shall be submitted quarterly and shall include the following minimum information:</p> <ul style="list-style-type: none"><li>A. All integrated six minute opacity measurements for periods during which the applicable provisions of SC Regulation 61-62.5, Standard No. 1, Section I have been exceeded, together with their nature and cause.</li><li>B. For periods of monitoring system malfunction:<ul style="list-style-type: none"><li>i) The date and time identifying each period during which the monitoring system was inoperative, except for zero and span checks.</li><li>ii) The nature of monitoring system repairs or adjustments.</li><li>iii) Proof of opacity monitoring system performance may be required by the Department whenever repairs or adjustments have been made.</li></ul></li><li>C. Boiler system repairs or adjustments made to correct violations of the provisions of SC 62.5, Std. 1, Section I.</li></ul>

Condition Number	Conditions																									
6.B.7	<p>(ID01-04) These sources are subject to 40 CFR 64, Compliance Assurance Monitoring for PM<sub>10</sub> emissions and shall comply with all applicable provisions, until such time as the boilers are in compliance with the requirements of 40 CFR 63 Subpart DDDDD.</p> <p>To meet the requirements of 40 CFR 64 the owner/operator shall continue to operate and maintain the indicators shown below as the measurement approach:</p> <table border="1" data-bbox="337 548 1422 726"> <thead> <tr> <th>Unit/Equip/Control ID</th> <th>Indicator/Condition 40CFR64.6(c)(1)(i)</th> <th>Measurement Approach 40CFR64.6(c)(1)(ii)</th> <th>Averaging Period 40CFR64.6(c)(1)(iii)</th> <th>Excursion Level 40CFR64.6(c)(2)</th> </tr> </thead> <tbody> <tr> <td>01/021D/E 001</td> <td>Opacity</td> <td>COMS</td> <td>3 hour block average</td> <td>&gt; 35%</td> </tr> <tr> <td>02/022D/E 002</td> <td>Opacity</td> <td>COMS</td> <td>3 hour block average</td> <td>&gt; 30%</td> </tr> <tr> <td>03/023D/E 003</td> <td>Opacity</td> <td>COMS</td> <td>3 hour block average</td> <td>&gt; 35%</td> </tr> <tr> <td>04/024D/E 004</td> <td>Opacity</td> <td>COMS</td> <td>3 hour block average</td> <td>&gt; 30%</td> </tr> </tbody> </table> <p>The indicators shown shall be used to provide assurance of compliance with each applicable requirement.</p> <p>These operational ranges for the monitored parameters were derived from stack test data, which demonstrate the proper operation of the equipment in compliance.</p> <p>QA/QC practices, etc. shall consist of performing performance evaluations and calibration checks for the COMS that meet 40 CFR 60.13 and 40 CFR 60 Appendix B, Performance Specification 1 requirements.</p> <p>An excursion is defined as any 3-hour block average where the indicator is greater than the excursion level. Upon detecting an excursion, the owner or operator shall restore operation of the pollutant-specific emissions unit (including the control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. The response shall include minimizing any malfunction period and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion (other than those caused by excused startup and shutdown conditions).</p> <p>A semiannual report for monitoring under 40CFR64.9 shall include, at a minimum, the information required under SC Regulation 61-62.70.6(a)(3)(iii) and the following information as applicable:</p> <ol style="list-style-type: none"> <li>1) Summary information of the number, duration and cause (including unknown cause, if applicable) of excursions or exceedances, as applicable, and the corrective actions taken;</li> <li>2) Summary information on the number, duration and cause (including unknown cause, if applicable) for monitor downtime incidents (other than downtime associated with zero span or other daily calibration checks, if applicable);</li> <li>3) If applicable, evidence of an effectivity assessment respecting response to excursion and exceedance events.</li> <li>4) If applicable, all aspects of the CAM plan(s) that need revision, correction, or addition.</li> <li>5) If applicable, a description of the actions taken to implement a Quality Improvement Plan (QIP) during the reporting period as specified in 40CFR64.8. Upon completion of a QIP, the owner or operator shall include in the next summary report documentation that the implementation of the plan has been completed and reduced the likelihood of similar levels of excursions occurring.</li> </ol> <p>The owner or operator shall maintain records of monitoring data, monitor performance data, corrective action and quality improvement plans.</p> <p>Upon compliance with the Boiler MACT (40 CFR 63 Subpart DDDDD), the facility will no longer be subject to the CAM requirements specified in this condition.</p>	Unit/Equip/Control ID	Indicator/Condition 40CFR64.6(c)(1)(i)	Measurement Approach 40CFR64.6(c)(1)(ii)	Averaging Period 40CFR64.6(c)(1)(iii)	Excursion Level 40CFR64.6(c)(2)	01/021D/E 001	Opacity	COMS	3 hour block average	> 35%	02/022D/E 002	Opacity	COMS	3 hour block average	> 30%	03/023D/E 003	Opacity	COMS	3 hour block average	> 35%	04/024D/E 004	Opacity	COMS	3 hour block average	> 30%
Unit/Equip/Control ID	Indicator/Condition 40CFR64.6(c)(1)(i)	Measurement Approach 40CFR64.6(c)(1)(ii)	Averaging Period 40CFR64.6(c)(1)(iii)	Excursion Level 40CFR64.6(c)(2)																						
01/021D/E 001	Opacity	COMS	3 hour block average	> 35%																						
02/022D/E 002	Opacity	COMS	3 hour block average	> 30%																						
03/023D/E 003	Opacity	COMS	3 hour block average	> 35%																						
04/024D/E 004	Opacity	COMS	3 hour block average	> 30%																						

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<b>Condition Number</b>	<b>Conditions</b>
6.B.8	(ID06) The owner or operator shall conduct semi-annual Visual Inspections (as defined in Part 7.0 - Additional Conditions) for the Coal Handling System. The facility shall submit the results of such inspections on a semi-annual basis.
6.B.9	(ID01-04) Fuel oil supplier certification shall be obtained for each batch of oil received and stored on site. Fuel oil sulfur percentages shall not exceed those values that generated the lb/hr SO <sub>2</sub> emission rates that were modeled as shown in Attachment A. Records of fuel oil certification shall be maintained on site.
6.B.10	(ID01-04) Coal supplier certification shall be completed as required by Federal Energy Regulatory Commission (FERC) policy and the data obtained for each shipment of coal received stored on site. Coal sulfur percentages shall not exceed those values that generated the lb/hr SO <sub>2</sub> emission rates that were modeled as shown in Attachment A. Records of coal certification, either in accordance with FERC Form 423 or by another means such as a vendor certification, that has received written approval from the Bureau, shall be maintained on site.

**PART 7.0 ADDITIONAL CONDITIONS**

**A. SPECIFIC CONDITIONS**

<b>Condition Number</b>	<b>Conditions</b>
7.A.1	Visual Inspection is defined as 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.
7.A.2	The boilers are permitted to burn coal as a primary fuel. No. 2 fuel oil and / or propane shall be used during start up and shut down as well as during significant boiler load changes for flame stability purposes. In addition to coal, the boilers are permitted to burn the following: automotive and engine lubricants, pump and equipment lubricants, kerosene, fuel oil, non-PCB transformer oil, gear box oil, diesel oil and oil/water mixture from storage tank containments which meets the definition of used oil in Regulation 62.1, Section 1.
7.A.3	No waste fuels other than those listed above are to be burned without prior approval from the Department of Health and Environmental Control.

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

No proposed reasonably anticipated operating scenarios identified in the permittee's Part 70 Application.

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

Not applicable at this time.

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

A copy of the “applicability determination” Washington Savannah River Company, LLC, submitted with its 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 with the exception of the following.

SC Regulation 61-62.5, Standard No. 7

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 the permittee 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

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<b>AMBIENT AIR QUALITY STANDARDS - STANDARD 2</b>					
SOURCE IDENTIFICATION	TSP (LBS/HR)	PM <sub>10</sub> (LBS/HR)	SO <sub>2</sub> (LBS/HR)	NO <sub>2</sub> (LBS/HR)	CO (LBS/HR)
D-CH-1 (034D: D-Area Power House coal pile)	253	16.16	--	--	--
D-CH-2 (199D, 201D, 033D: D-Area Power House truck unload, dozer/loader, crusher to storage pile, crusher)	251	15.3	--	--	--
D-CH-3 (no longer in operation)	0.0	0.002	--	--	--
D-IJ0020 (no longer in operation)	0.004	0.002	0.001	0.044	0.011
D-PF0001 (D-Area Power House Boiler 1)	237.6	88.38	1386	552.8	14.45
D-PF0002 (D-Area Power House Boiler 2)	237.6	88.38	1386	552.8	14.45
D-PF0003 (D-Area Power House Boiler 3)	237.6	88.38	1386	552.8	14.45
D-PF0004 (D-Area Power House Boiler 4)	237.6	88.38	1386	552.8	14.45
FACILITY TOTAL	1454.404	384.984	5544.001	2211.244	57.271

**NOTES:**

(1) The actual emission rates for D-CH-01 are now 4.21 lb/hr for TSP and 2.1 for PM10 for the coal pile. These rates are less than the rates modeled previously, and further modeling is not required at this time.

(2) The actual emission rates for D-CH-02 TSP are now estimated to be 0.082 lb/hr for truck unloading, 18.83 lb/hr for the dozer and loader, 0.491 lb/hr for the crusher to storage pile, and 84 lb/hr for crusher operations. This totals 103.4 lb/hr TSP, which is less than the 251 lb/hr modeled previously. PM10 rates for D-CH-02 consist of 0.039 lb/hr for truck unloading, 5.46 lb/hr for the dozer and loader, 0.232 lb/hr for the crusher to storage pile, and 5.1 lb/hr for crusher operations. This totals 10.8 lb/hr PM10, which is less than the 15.3 lb/hr modeled previously. There are no changes to modeling at this time.

(3) D-CH-3 and D-IJ0020 are no longer in operation, but these sources have not been removed from modeling. No modeling updates required at this time.

(4) D-PF0001 thru D-PF0004 have been reset back to the original emission rates before synfuel was used since these rates are reflected in the modeling. If the facility powers these units with synfuel, the emission rates for SO2 will be 1291 lb/hr, NO2 will be 156.5 lb/hr and CO will be 8.1 lb/hr. Modeling is conservatively high; thus, no new modeling is required at this time.

The facility may want to take credit for the differences described above for future modeling.

This facility is co-located with Permit Nos. 0080-0041 and 0080-0139 and any modeling changes at either location must be considered collectively.

## ATTACHMENT B

### Insignificant Activities

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The following table contains a list of activities 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.

<b>Equip ID</b>	<b>Source Description</b>	<b>Basis</b>
CH-4	Coal Handling Operation – Transfer House	Emission Level
CH-6	Coal Handling Operation - Pulverizer and Bunker Loading	Emission Level
CH-7	Coal Handling Operation – Conveyors (3)	Emission Level
CH-8	Coal Handling Operation – Truck Traffic	Emission Level
CTW-1	Cooling Tower	Emission Level
INSIG-A	Degassifiers (2)	Emission Level
INSIG-B	15,000 Gallon Diesel Storage Tank	Emission Level
INSIG-C	3,000 Gallon Hydraulic Oil Storage Tank	SC List
INSIG-D	VOID - 10,000 Gallon Diesel Storage Tank	Emission Level
INSIG-E	1,500 Gallon Hydraulic Storage Tank	SC List
INSIG-F	VOID- Portable Mud Hog Pumps (3)	SC List
INSIG-G	Glove Box-Type Abrasive Blasting Unit	Emission Level
INSIG-H	VOID - Stationary Vacuum System	SC List

## **ATTACHMENT C**

### **Applicable and Non-Applicable Federal and State Regulations**

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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.

## Notice of Appeal Procedure

The following procedures are in effect beginning July 1, 2006, pursuant to 2006 Act No. 387:

1. This decision of the S.C. Department of Health and Environmental Control (Department) becomes the final agency decision 15 days after notice of the decision has been mailed to the applicant or respondent, unless a written request for final review is filed with the Department by the applicant, permittee, licensee, or affected person.
2. An applicant, permittee, licensee, or affected person who wishes to appeal this decision must file a written request for final review with the Clerk of the Board at the following address or by facsimile at 803-898-3393.

Clerk of the Board  
SC DHEC  
2600 Bull Street  
Columbia, SC 29201
3. The request for final review should include the following:
  - a. the grounds on which the Department's decision is challenged and the specific changes sought in the decision
  - b. a statement of any significant issues or factors the Board should consider in deciding how to handle the matter
  - c. a copy of the Department's decision or action under review
4. In order to be timely, a request for final review must be received by the Clerk of the Board within 15 days after notice of the decision has been mailed to the applicant or respondent. If the 15th day occurs on a weekend or State holiday, the request is due to be received by the Clerk of the Board on the next working day. The request for final review must be received by the Clerk of the Board by 5:00 p.m. on the date it is due.
5. If a timely request for final review is filed with the Clerk of the Board, the Clerk will provide additional information regarding procedures.
6. The Board of Health and Environmental Control has 60 days from the date of receipt of a request for final review to conduct a final review conference. The conference may be conducted by the Board, its designee, or a committee of three members of the Board appointed by the chair.
7. If a final review conference is not conducted within 60 days, the Department decision becomes the final agency decision, and a party may request a contested case hearing before the Administrative Law Court within 30 days after the deadline for the final review conference.

**The above information is provided as a courtesy; parties are responsible for complying with all applicable legal requirements.**