



Bureau of Air Quality Title V Operating Permit

**United States Department of Energy – Savannah River Site
Savannah River Nuclear Solutions LLC
Building 730-4B
Aiken, South Carolina 29808-0001
Aiken County**

In accordance with the provisions of the Pollution Control Act, Sections 48-1-50(5), 48-1-100(A), and 48-1-110(a), the 1976 Code of Laws of South Carolina, as amended, and South Carolina Regulation 61-62, Air Pollution Control Regulations and Standards, the Bureau of Air Quality authorizes the operation of this facility and the equipment specified herein in accordance with valid construction permits, and the plans, specifications, and other information submitted in the Title V permit application received on September 18, 2007, as amended. All official correspondence, plans, permit applications, and written statements are an integral part of the permit. Any false information or misrepresentation in the application for a construction permit may be grounds for permit revocation.

The operation of this facility is subject to and conditioned upon the terms, limitations, standards, and schedules contained herein or as specified by this permit and its accompanying attachments.

Permit Number: TV-0080-0041

Issue Date:
Expiration Date:

January 19, 2021
March 31, 2026

Effective Date: April 1, 2021
Renewal Due Date: September 30, 2025

**Steve McCaslin, P. E., Director
Air Permitting Division
Bureau of Air Quality**

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RECORD OF REVISIONS		
Date	Type	Description of Changes
05-13-2021	AA	Correct a typographical error on page 1 of 9 of Attachment – Emission Rates for Ambient Air Standards. The NOx emission rate at SDP7 should be 13.17 lb/hr, not 1.317 lb/hr.
01-27-2022	SM	Revised source test language in permit condition No. C.15.
05-11-2022	AA	Removal of "(as currently operated by Savannah River Remediation (SRR))" from the equipment description of all equipment in Emission Units 16 and 18. Change Condition C.33 from "...utilizing Method 8260B..." to "...utilizing the most current method for analyzing...".

AA Administrative Amendment
MM Minor Modification
SM Significant Modification

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A. EMISSION UNIT DESCRIPTION

Emission Unit ID	Emission Unit Description
01	A-Area
02	B-Area
03	C-Area
04	D-Area
05	E-Area
06	F-Area
07	G-Area
08	H-Area
09	J- Area
10	K-Area
11	L-Area
12	M-Area
13	N-Area
14	P-Area
15	R-Area
16	S-Area
17	T-Area
18	Z-Area

B. EQUIPMENT AND CONTROL DEVICE(S)

B.1 EQUIPMENT FOR EMISSION UNIT 01 – A Area

Equipment ID	Equipment Description	Installation/ Modification Date	Control Device ID	Emission Point ID
794A	722-4A Bead Blaster with inherent collection/recycle system (as currently operated by SRNS, LLC)	02/1992	CD-H 0999	EP-A G P 007
66GA	784-7A Steam Facility Biomass Boiler (as currently operated by SRNS, LLC)	09/2008	CD-E 0009	EP-A PF 0002
67GA	784-7A Steam Facility Oil Fired Boiler (as currently operated by SRNS, LLC)	12/2007	None	EP-A PF 0003

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B.2 CONTROL DEVICE(S) FOR EMISSION UNIT 01 – A-Area

Control Device ID	Control Device Description	Installation/Modification Date	Pollutant(s) Controlled
CD-H 0999	HEPA Filter (voluntary)	2018	PM, PM ₁₀ ; PM _{2.5}
CD-E 0009	Electrostatic Precipitator, PPC Industries, H1212-2S	09/2008	PM, PM ₁₀ ; PM _{2.5}

B.3 EQUIPMENT FOR EMISSION UNIT 02 – B Area

Equipment ID	Equipment Description	Installation/Modification Date	Control Device ID	Emission Point ID
162B	735-1B Lab Hot Water Heater/Boiler 6 (as currently operated by SRNS, LLC)	04/2020	None	EP-B Q H 001
159B	735-1B Lab Hot Water Heater/Boiler 4 (as currently operated by SRNS, LLC)	05/2017	None	EP-B Q H 001
161B	735-1B Lab Hot Water Heater/Boiler 5 (as currently operated by SRNS, LLC)	02/2018	None	EP-B Q H 001

B.4 EQUIPMENT FOR EMISSION UNIT 03 – C Area

No permitted equipment is located in C-Area at this time. This emission unit is reserved for future permitted equipment located in C-Area.

B.5 EQUIPMENT FOR EMISSION UNIT 04 – D-Area

No permitted equipment is located in D-Area at this time. This emission unit is reserved for future permitted equipment located in D-Area.

B.6 EQUIPMENT FOR EMISSION UNIT 05 – E-Area

No permitted equipment is located in E-Area at this time. This emission unit is reserved for future permitted equipment located in E-Area.

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B.7 EQUIPMENT FOR EMISSION UNIT 06 – F-Area

Equipment ID	Equipment Description	Installation/Modification Date	Control Device ID	Emission Point ID
77CF	F-Canyon, Canyon Cell Exhaust (as currently operated by SRNS, LLC)	01/1955	CD-N 0007	EP-F S P 023

B.8 CONTROL DEVICE(S) FOR EMISSION UNIT 06 – F-Area

Control Device ID	Control Device Description	Installation/Modification Date	Pollutant(s) Controlled
CD-N 0007	Sand Filter, DuPont	01/1976	Radionuclides

B.9 EQUIPMENT FOR EMISSION UNIT 07 – G-Area

No permitted equipment is located in G-Area at this time. This emission unit is reserved for future permitted equipment located in G-Area.

B.10 EQUIPMENT FOR EMISSION UNIT 08 – H-Area

Equipment ID	Equipment Description	Installation/Modification Date	Control Device ID	Emission Point ID
99CH	H-Canyon, Dissolving (as currently operated by SRNS, LLC)	01/1955	None	EP-H S P 002
01DH	H-Canyon, Head End (as currently operated by SRNS, LLC)	01/1955	CD-N 0003	EP-H S P 002
02DH	H-Canyon, First Cycle (as currently operated by SRNS, LLC)	01/1955	CD-N 0003	EP-H S P 002
03DH	H-Canyon, Second Uranium Cycle (as currently operated by SRNS, LLC)	01/1955	CD-N 0003	EP-H S P 002
05DH	H-Canyon, Solvent Recovery (as currently operated by SRNS, LLC)	01/1955	CD-N 0003	EP-H S P 002
07DH	H-Canyon, Low Activity Waste (as currently operated by SRNS, LLC)	01/1955	CD-N 0003	EP-H S P 002
08DH	H-Canyon, High Activity Waste (as currently operated by SRNS, LLC)	01/1955	CD-N 0003	EP-H S P 002
09DH	H-Canyon, Acid Recovery (as currently operated by SRNS, LLC)	01/1955	CD-N 0003	EP-H S P 002
10DH	Sumps & Spent Solvent Sample Returns (SSSR) (as currently operated by SRNS, LLC)	01/1955	CD-N 0003	EP-H S P 002

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B.10 EQUIPMENT FOR EMISSION UNIT 08 – H-Area

Equipment ID	Equipment Description	Installation/Modification Date	Control Device ID	Emission Point ID
12DH	H-Canyon, GP Evaporator (as currently operated by SRNS, LLC)	01/1955	CD-N 0003	EP-H S P 002
13DH	H-Canyon, Segregated Solvent (as currently operated by SRNS, LLC)	01/1955	CD-N 0003	EP-H S P 002
20DH	H-Canyon, Cold Feed, 3 rd Level (as currently operated by SRNS, LLC)	01/1955	CD-N 0003	EP-H S P 002
24DH	H-Canyon, EU System (as currently operated by SRNS, LLC)	01/1955	CD-N 0003	EP-H S P 002
770H	211-H, Nitric Acid Tank 32 (as currently operated by SRNS, LLC)	01/1953	None	EP-H S T 036
772H	211-H, Nitric Acid Tank 33 (as currently operated by SRNS, LLC)	01/1953	None	EP-H S T 036
773H	211-H, Nitric Acid Tank 34 (as currently operated by SRNS, LLC)	01/1953	None	EP-H S T 036
774H	211-H, Nitric Acid Tank 35 (as currently operated by SRNS, LLC)	01/1953	None	EP-H S T 036

B.11 CONTROL DEVICE(S) FOR EMISSION UNIT 08 – H-Area

Control Device ID	Control Device Description	Installation/Modification Date	Pollutant(s) Controlled
CD-N 0003	Sand Filter, DuPont	12/1976	Radionuclides

B.12 EQUIPMENT FOR EMISSION UNIT 09 – J-Area

No permitted equipment is located in J-Area at this time. This emission unit is reserved for future permitted equipment located in K-Area.

B.13 EQUIPMENT FOR EMISSION UNIT 10 – K-Area

No permitted equipment is located in K-Area at this time. This emission unit is reserved for future permitted equipment located in K-Area.

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B.14 EQUIPMENT FOR EMISSION UNIT 11 – L-Area

No permitted equipment is located in L-Area at this time. This emission unit is reserved for future permitted equipment located in L-Area.

B.15 EQUIPMENT FOR EMISSION UNIT 12 – M-Area

Equipment ID	Equipment Description	Installation/Modification Date	Control Device ID	Emission Point ID
529M	323-M, M-1 Groundwater Air Stripper (as currently operated by SRNS, LLC)	07/1984	None	EP-M E P 2303

B.16 EQUIPMENT FOR EMISSION UNIT 13 – N-Area

Equipment ID	Equipment Description	Installation/Modification Date	Control Device ID	Emission Point ID
370N	725-1N Abrasive Blasting (as currently operated by SRNS, LLC)	01/1975	None	EP-N B J 028

B.17 EQUIPMENT FOR EMISSION UNIT 14 – P-Area

No permitted equipment is located in P-Area at this time. This emission unit is reserved for future permitted equipment located in P-Area.

B.18 EQUIPMENT FOR EMISSION UNIT 15 – R-Area

No permitted equipment is located in R-Area at this time. This emission unit is reserved for future permitted equipment located in R-Area.

B.19 EQUIPMENT FOR EMISSION UNIT 16 – S-Area

Equipment ID	Equipment Description	Installation/Modification Date	Control Device ID	Emission Point ID
266S	Slurry Mix Evaporator (SME)	1988	CD-J 0005	EP-S D P 007
267S	Sludge Receipt and Adjustment Tank (SRAT)	1988	CD-J 0005	EP-S D P 007
270S	Melter	1988	None	EP-S D P 007
275S	Precipitate Reactor Feed Tank	1988	None	EP-S D P 007
264S	Decontaminate Waste Treatment Tank	1988	None	EP-S D P 007
256S	SME Isolation Pot	1988	CD-J 0005	EP-S D P 007

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B.19 EQUIPMENT FOR EMISSION UNIT 16 – S-Area

Equipment ID	Equipment Description	Installation/ Modification Date	Control Device ID	Emission Point ID
278S	Offgas Condensate Tank 1	1988	None	EP-S D P 007
488S	Offgas Condensate Tank 2	1988	None	EP-S D P 007
388S	Crane Decon Feed Tank	1988	None	EP-S D P 007
176S	Sludge Tank	1988	None	EP-S D P 001
177S	Recycle Tank	1988	None	EP-S D P 001
178S	Precipitate Tank	1988	None	EP-S D P 001
121S	Formic Acid Tank	1988	None	EP-S D P 009
111S	Nitric Acid Dilution Tank	1988	None	EP-S D P 009
109S	Nitric Acid Decon Feed Tank	1988	None	EP-S D P 009
108S	Process Frit Slurry Feed Tank	1988	None	EP-S D P 009
107S	Frit Decon Slurry Feed Tank	1988	None	EP-S D P 009
106S	Copper Catalyst Feed Tank	1988	None	EP-S D P 009
105S	Additive Mix Feed Tank	1988	None	EP-S D P 009
103S	Oxalic Decon Feed Tank	1988	None	EP-S D P 009
102S	Acid Drain Tank	1988	None	EP-S D P 009
101S	Sodium Nitrite Feed Tank	1988	None	EP-S D P 009
100S	Nitric Acid Feed Tank	1988	None	EP-S D P 009
098S	Acid Drain Catch Tank	1988	None	EP-S D P 009
132S	Oxalic Acid Make Up Tank	1988	None	EP-S D P 0019
131S	Formic Acid Feed Tank	1988	None	EP-S D P 0019
129S	Formic Acid Dilution Tank	1988	None	EP-S D P 0019
128S	Frit Slurry Make Up Tank	1988	None	EP-S D P 0019

B.20 CONTROL DEVICE(S) FOR EMISSION UNIT 16 – S-Area

Control Device ID	Control Device Description	Installation/ Modification Date	Pollutant(s) Controlled
CD-J 0005	Condenser	02/1993	Mercury (Elemental) Formic Acid

B.21 EQUIPMENT FOR EMISSION UNIT 17 – T-Area

No permitted equipment is located in T-Area at this time. This emission unit is reserved for future permitted equipment located in T-Area.

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B.22 EQUIPMENT FOR EMISSION UNIT 18 – Z-Area

Equipment ID	Equipment Description	Installation/Modification Date	Control Device ID	Emission Point ID
052Z	Premix Feed Hopper/Mixer	1/1986 12/2019	CD-B 0011	EP-ZD P 071
069Z	Premix Blender #1	1/1986 12/2019	CD-B 0015	EP-ZD P 088
071Z	Dry Material Silo 071Z	1/1986 12/2019	CD-B 0017	EP-ZD T 001
072Z	Dry Material Silo 072Z	1/1986 12/2019	CD-B 0017	EP-ZD T 001
073Z	Dry Material Silo 073Z	1/1986 12/2019	CD-B 0017	EP-ZD T 001
074Z	Premix Blender #2	1/1986 12/2019	CD-B 0016	EP-ZD P 089
075Z	Weigh Hopper	1/1986 12/2019	CD-B 0014	EP-ZD P 072
076Z	Dry Material Silo 076Z	1/1986 12/2019	CD-B 0013	EP-ZD T 002
091Z	Salt Feed Tank	1/1986	None	EP-ZD P 091

B.23 CONTROL DEVICE(S) FOR EMISSION UNIT 18 – Z-Area

Control Device ID	Control Device Description	Installation/Modification Date	Pollutant(s) Controlled
CD-B 0011	Baghouse, Flex Kleen, 84-NRBS-48 IIG, 10-83-30-106	6/1990	PM, PM ₁₀ , PM _{2.5} , Lead
CD-B 0013	Baghouse, Halliburton Services, HPJ-55, Item #1I	6/1990	PM, PM ₁₀ , PM _{2.5} , Lead
CD-B 0014	Baghouse, Flex Kleen, 84-BVBS-9IIG, 10-52-30104	6/1990	PM, PM ₁₀ , PM _{2.5}
CD-B 0015	Baghouse, Flex Kleen, 58-BVBS-25II, 10-52-30105	6/1990	PM, PM ₁₀ , PM _{2.5} , Lead
CD-B 0016	Baghouse, Flex Kleen, 58-BVBV-25II, 10-52-30104	6/1990	PM,

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B.23 CONTROL DEVICE(S) FOR EMISSION UNIT 18 – Z-Area

Control Device ID	Control Device Description	Installation/ Modification Date	Pollutant(s) Controlled
			PM ₁₀ , PM _{2.5} , Lead
CD-B 0017	Baghouse, Halliburton Services, Cam Fil Farr GS-4X or approved equal, Model Z-205000-BMH-DCOL-0001	12/2019	PM, PM ₁₀ , PM _{2.5} , Lead

C. LIMITATIONS, MONITORING AND REPORTING CONDITIONS
(S.C. Regulation 61-62.1, Section II; S.C. Regulation 61-62.70.6.a.3.i.B)

Condition Number	Conditions
C.1	Emission Unit ID: All Equipment ID: All Control Device ID: All (S.C. Regulation 61-62.1, Section II.J.2) Equipment capacities provided under the Equipment Description column of the Equipment Tables above are not intended to be permit limits unless otherwise specified within the Table of Conditions for the particular equipment. However, this condition does not exempt the facility from the construction permitting process, from PSD review, nor from any other applicable requirements that must be addressed prior to increasing production rates.
C.2	Emission Unit ID: All Equipment ID: All Control Device ID: All (S.C. Regulation 61-62.1, Section II.J.1.g) A copy of the Department issued construction and/or operating permit must be kept readily available at the facility at all times. The owner or operator shall maintain such operational records; make reports; install, use, and maintain monitoring equipment or methods; sample and analyze emissions or discharges in accordance with prescribed methods at locations, intervals, and procedures as the Department shall prescribe; and provide such other information as the Department reasonably may require. All records required to demonstrate compliance with the limits established under this permit shall be maintained on site for a period of at least 5 years from the date the record was generated and shall be made available to a Department representative upon request.
C.3	Emission Unit ID: 01, 06, 08, 16, 18 Equipment ID: 66GA, 77CF, 01DH, 02DH, 03DH, 05DH, 07DH, 08DH, 09DH, 10DH, 12DH, 13DH, 20DH, 24DH, 266S, 267S, 270S, 275S, 264S, 256S, 278S, 488S, 388S, 176S, 177S, 178S, 121S, 111S, 109S, 108S,

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C. LIMITATIONS, MONITORING AND REPORTING CONDITIONS
(S.C. Regulation 61-62.1, Section II; S.C. Regulation 61-62.70.6.a.3.i.B)

Condition Number	Conditions
	107S, 106S, 105S, 103S, 102S, 101S, 100S, 098S, 132S, 131S, 129S, 128S, 052Z, 069Z, 071Z, 072Z, 073Z, 074Z, 075Z, 076Z Control Device ID: CD-E 0009, CD-N 0007, CD-N 0003, CD-J 0005, CD-B 0011, CD-B 0017, CD-B 0013, CD-B 0014, CD-B 0015, CD-B 0016 The owner/operator shall inspect, calibrate, adjust, and maintain continuous monitoring systems, monitoring devices, and gauges in accordance with manufacturer's specifications or good engineering practices. 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 those control devices that only control radionuclides and are subject to 40 CFR 61 Subpart H, <i>National Emission Standards for Emissions of Radionuclides Other Than Radon From Department of Energy Facilities</i>, compliance with 40 CFR 61, Subpart H, will be sufficient to ensure compliance with this permit condition. (S.C. Regulation 61-62.1, Section II.J.1.d) Sources required to have continuous emission monitors shall submit reports as specified in applicable parts of the permit, law, regulations, or standards.
C.4	Emission Unit ID: 01, 06, 08, 16, 18 Equipment ID: 66GA, 77CF, 01DH, 02DH, 03DH, 05DH, 07DH, 08DH, 09DH, 10DH, 12DH, 13DH, 20DH, 24DH, 266S, 267S, 270S, 275S, 264S, 256S, 278S, 488S, 388S, 176S, 177S, 178S, 121S, 111S, 109S, 108S, 107S, 106S, 105S, 103S, 102S, 101S, 100S, 098S, 132S, 131S, 129S, 128S, 052Z, 069Z, 071Z, 072Z, 073Z, 074Z, 075Z, 076Z Control Device ID: CD-E 0009, CD-N 0007, CD-N 0003, CD-J 0005, CD-B 0011, CD-B 0017, CD-B 0013, CD-B 0014, CD-B 0015, CD-B 0016 (S.C. Regulation 61-62.1, Section II.J.2) All gauges shall be readily accessible and easily read by operating personnel and Department personnel (i.e. on ground level or easily accessible roof level). Monitoring parameter readings (i.e., pressure drop readings, etc.) and inspection checks shall be maintained in logs (written or electronic), along with any corrective action taken when deviations occur. Each incidence of operation outside the operational ranges, including date and time, cause, and corrective action taken, shall be recorded and kept on site. Exceedance of operational range shall not be considered a violation of an emission limit of this permit, unless the exceedance is also accompanied by other information demonstrating that a violation of an emission limit has taken place. Reports of these incidences shall be submitted semiannually. If no incidences occurred during the reporting period, the report shall state so.

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C. LIMITATIONS, MONITORING AND REPORTING CONDITIONS
(S.C. Regulation 61-62.1, Section II; S.C. Regulation 61-62.70.6.a.3.i.B)

Condition Number	Conditions
	For those control devices that only control radionuclides and are subject to 40 CFR 61 Subpart H, <i>National Emission Standards for Emissions of Radionuclides Other Than Radon From Department of Energy Facilities</i>, compliance with 40 CFR 61, Subpart H, will be sufficient to ensure compliance with this permit condition. Any alternative method for monitoring control device performance must be preapproved by the Bureau and shall be incorporated into the permit as set forth in SC Regulation 61-62.70.7.
C.5	Emission Unit ID: All Equipment ID: All Control Device ID: All For any source test required under an applicable standard or permit condition, the owner, operator, or representative shall comply with S.C. Regulation 61-62.1, Section IV - Source Tests. Unless approved otherwise by the Department, the owner, operator, or representative shall ensure that source tests are conducted while the source is operating at the maximum expected production rate or other production rate or operating parameter which would result in the highest emissions for the pollutants being tested. Some sources may have to spike fuels or raw materials to avoid being subjected to a more restrictive feed or process rate. Any source test performed at a production rate less than the rated capacity may result in permit limits on emission rates, including limits on production if necessary. When conducting source tests subject to this section, the owner, operator, or representative shall provide the following: • Department access to the facility to observe source tests; • Sampling ports adequate for test methods; • Safe sampling site(s); • Safe access to sampling site(s); • Utilities for sampling and testing equipment; and • Equipment and supplies necessary for safe testing of a source. The owner or operator shall comply with any limits that result from conducting a source test at less than rated capacity. A copy of the most recent Department issued source test summary letter, whether it imposes a limit or not, shall be maintained on-site, for each source that is required to conduct a source test. On site operating procedures shall be changed appropriately for each source in which a required source test imposes restrictions. Site-specific test plans and amendments, notifications, and source test reports shall be submitted to the Manager of the Source Evaluation Section, Bureau of Air Quality.

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C. LIMITATIONS, MONITORING AND REPORTING CONDITIONS
(S.C. Regulation 61-62.1, Section II; S.C. Regulation 61-62.70.6.a.3.i.B)

Condition Number	Conditions
C.6	Emission Unit ID: 01 Equipment ID: 66GA, 67GA Control Device ID: CD-E 0009 These sources are subject to New Source Performance Standard (NSPS), 40 CFR 60, Subpart A, General Provisions and Subpart Dc, Small Industrial-Commercial-Institutional Steam Generating Units and S.C. Regulation 61-62.60, Subparts A and Dc, Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units, as applicable. The owner/operator shall comply with all applicable requirements of Subparts A and Dc.
C.7	Emission Unit ID: 01 Equipment ID: 66GA Control Device ID: CD-E 0009 This source must demonstrate simultaneous compliance with requirements and associated record keeping as detailed below: • (S.C. Regulation 61-62.5, Standard No. 1, Section I.B) This source shall not discharge into the ambient air smoke which exceeds opacity of 20%. During times of soot blowing the opacity may be exceeded for a total of 6 minutes in any hour or 24 minutes in any 24-hour period, but shall in no case exceed opacity of 60%. • (40 CFR 60.43c(c)) This source shall not discharge into the ambient air smoke which exceeds an opacity of 20% except for one six-minute period per hour of not more than 27% opacity. This opacity standard does not apply during startup, shutdown, and 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. 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 and make these records available to a Department representative upon request. (§60.47c(a)) The owner or operator calibrate, maintain, and continue to operate a COMS for measuring the opacity of the emissions discharged to the atmosphere and record the output of the system. (§60.47c(b)) The owner or operator of the boiler shall submit to the Administrator the performance test data from the initial and any subsequent performance tests and, if applicable, the performance evaluation of the CEMS and/or COMS using the applicable performance specifications in appendix B of §60.

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C. LIMITATIONS, MONITORING AND REPORTING CONDITIONS
(S.C. Regulation 61-62.1, Section II; S.C. Regulation 61-62.70.6.a.3.i.B)

Condition Number	Conditions
	(\$60.48c(c)) The owner or operator is required to submit excess emission reports to the Bureau of Air Quality semiannually during which there are excess emissions. If there are no excess emissions during the reporting period, the owner or operator shall submit a report semiannually stating that excess emissions have not occurred.
C.8	Emission Unit ID: 01 Equipment ID: 67GA Control Device ID: None This source must demonstrate simultaneous compliance with requirements and associated record keeping as detailed below: • (S.C. Regulation 61-62.5, Standard No. 1, Section I.B) This source shall not discharge into the ambient air smoke which exceeds opacity of 20%. During times of soot blowing the opacity may be exceeded for a total of 6 minutes in any hour or 24 minutes in any 24-hour period, but shall in no case exceed opacity of 60%. • (40 CFR 60.43c(c)) This source shall not discharge into the ambient air smoke which exceeds an opacity of 20% except for one six-minute period per hour of not more than 27% opacity. This opacity standard does not apply during startup, shutdown, and 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. 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 and make these records available to a Department representative upon request. The owner/operator shall perform a visual inspection on a weekly basis during source operation. Logs shall be kept to record all visual inspections, noting color, duration, density (heavy or light), cause, and corrective action taken for any abnormal emissions. If a source did not operate during the required visual inspection time frame, the log shall indicate such. The owner/operator shall submit semiannual reports. The report shall include records of abnormal emissions, if any, and corrective actions taken. If the unit did not operate during the semiannual period, the report shall state so. Visual inspection means a qualitative observation of opacity during daylight hours. The observer does not need to be certified to conduct valid visual inspections. However, at a minimum, the observer should be skilled and knowledgeable about the effects on visibility of emissions caused by background contrast, ambient lighting, and observer position relative to lighting, wind, and the presence of uncombined water.

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C. LIMITATIONS, MONITORING AND REPORTING CONDITIONS
(S.C. Regulation 61-62.1, Section II; S.C. Regulation 61-62.70.6.a.3.i.B)

Condition Number	Conditions
C.9	Emission Unit ID: 02 Equipment ID: 162B, 159B, 161B Control Device ID: None (S.C. Regulation 61-62.5, Standard No. 1, Section I) The fuel burning source(s) shall not discharge into the ambient air smoke which exceeds opacity of 20%. The opacity limit may be exceeded for sootblowing, but may not be exceeded for more than 6 minutes in a one hour period nor be exceeded for more than a total of 24 minutes in a 24 hour period. Emissions caused by sootblowing shall not exceed an opacity of 60%. Owners and operators 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 or operator shall maintain a log of the time, magnitude, duration, and any other pertinent information to determine periods of startup and shutdown and make available to the Department upon request. The owner/operator shall perform a visual inspection on a semiannual basis during source operation. Logs shall be kept to record all visual inspections, noting color, duration, density (heavy or light), cause, and corrective action taken for any abnormal emissions. If a source did not operate during the required visual inspection time frame, the log shall indicate such. The owner/operator shall submit semiannual reports. The report shall include records of abnormal emissions, if any, and corrective actions taken. If the unit did not operate during the semiannual period, the report shall state so. Visual inspection means a qualitative observation of opacity during daylight hours. The observer does not need to be certified to conduct valid visual inspections. However, at a minimum, the observer should be skilled and knowledgeable about the effects on visibility of emissions caused by background contrast, ambient lighting, and observer position relative to lighting, wind, and the presence of uncombined water.
C.10	Emission Unit ID: 01 Equipment ID: 66GA Control Device ID: CD-E 0009 (S.C. Regulation 61-62.5, Standard No. 1, Section II) The maximum allowable discharge of particulate matter resulting from this source is 0.6 pounds per million BTU input. S.C. Regulation 61-62.5 Standard No. 1 requires a PM source test every two (2) years after the initial source test. This requirement shall be deferred to the testing required by 40CFR 63, Subpart DDDDD, National Emissions Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters. Should the applicability to Subpart DDDDD change or

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Condition Number	Conditions
	if the testing requirements are modified to be less stringent, the permit may be revised to reflect the Standard No. 1 testing requirements. All source tests should be completed to ensure the results are acceptable for use in demonstrating compliance with Standard No. 1 allowable PM emission limits. The owner or operator of the boilers shall calibrate, maintain, and continue to operate a COMS for measuring the opacity and ensuring compliance of the ESP per 40 CFR 63, Subpart DDDDD, and record the output of the system. The ESP shall be in place and operational whenever processes controlled by it are running, except during periods of ESP malfunction or mechanical failure.
C.11	Emission Unit ID: 01 Equipment ID: 67GA Control Device ID: None (S.C. Regulation 61-62.5, Standard No. 1, Section II) The maximum allowable discharge of particulate matter resulting from this source(s) is 0.6 pounds per million BTU input. The owner or operator shall record and maintain records of the amounts and types of each fuel combusted. The amount and type of fuel combusted shall be recorded daily. Report of the recorded parameters shall be submitted quarterly.
C.12	Emission Unit ID: 02 Equipment ID: 162B, 159B, 161B Control Device ID: None (S.C. Regulation 61-62.5, Standard No. 1, Section II) The maximum allowable discharge of particulate matter resulting from this/these source(s) is 0.6 pounds per million BTU input. Compliance shall be determined by ensuring calculated maximum potential emissions for required fuel types do not exceed the limit.
C.13	Emission Unit ID: 01 Equipment ID: 66GA Control Device ID: CD-E 0009 (S.C. Regulation 61-62.5, Standard No. 1, Section III) The maximum allowable discharge of sulfur dioxide (SO₂) resulting from this source is 2.3 pounds per million BTU input.
C.14	Emission Unit ID: 01, 02 Equipment ID: 67GA, 162B, 159B, 161B Control Device ID: None (S.C. Regulation 61-62.5, Standard No. 1, Section III) The maximum allowable discharge of sulfur dioxide (SO₂) resulting from these sources is 2.3 pounds per million BTU input.

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Condition Number	Conditions
	(SC Regulation 61-62.5, Standard No. 1, Section VI) Compliance with the fuel sulfur limit shall be determined based on certification from the fuel supplier. Records of these certifications shall be kept on site. Reports shall be submitted semiannually. The reports shall consist of the fuel certification records and a signed statement from the owner/operator that the records of fuel supplier certifications submitted represent all of the fuel combusted during the reporting period.
C.15	Emission Unit ID: 01 Equipment ID: 66GA Control Device ID: CD-E 0009 (S.C. Regulation 61-62.5, Standard No. 5.2, Section III) The allowable discharge of NO_x resulting from this source is 0.33 lb/million BTU. (S.C. Regulation 61-62.5, Standard No. 5.2, Section IV) Periodic source tests for NO_x shall be conducted every thirty-seven (37) months from the last source test. Source tests will be used to show compliance with the NO_x standard. The owner or operator shall perform tune-ups every twenty-four (24) months in accordance with manufacturer's specifications or with good engineering practices. The first tune-up shall be conducted no more than twenty-four (24) months from replacement of a burner assembly for affected existing sources. Each subsequent tune-up shall be conducted no more than twenty-four (24) months after the previous tune-up. All tune-up records are required to be maintained on site and available for inspection by the Department for a period of five (5) years from the date generated. The owner or operator shall develop and retain a tune-up plan on file. If the owner or operator of a boiler is required to comply with federal tune-up requirements in 40 CFR 63, then the federal requirements shall meet the tune up compliance requirements above. (S.C. Regulation 61-62.5, Standard No. 5.2, Section IV) The owner or operator shall record monthly the amounts and types of each fuel combusted by the affected sources and maintain these records on site. The owner or operator shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected source; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative.

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Condition Number	Conditions
C.16	Emission Unit ID: 01 Equipment ID: 67GA Control Device ID: None (S.C. Regulation 61-62.5, Standard No. 5.2, Section III) The allowable discharge of NO_x resulting from this sources is 0.15 lb/million BTU. (S.C. Regulation 61-62.5, Standard No. 5.2, Section IV) The owner or operator shall perform tune-ups every twenty-four (24) months in accordance with manufacturer's specifications or with good engineering practices. The first tune-up shall be conducted no more than twenty-four (24) months from replacement of a burner assembly for affected existing sources. Each subsequent tune-up shall be conducted no more than twenty-four (24) months after the previous tune-up. All tune-up records are required to be maintained on site and available for inspection by the Department for a period of five (5) years from the date generated. The owner or operator shall develop and retain a tune-up plan on file. (S.C. Regulation 61-62.5, Standard No. 5.2, Section IV) The owner or operator shall record monthly the amounts and types of each fuel combusted by the affected sources and maintain these records on site. The owner or operator shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected source; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative.
C.17	Emission Unit ID: 01 Equipment ID: 66GA, 67GA Control Device ID: CD-E 0009 (§60.43c(e)(1)) On and after the date on which the initial performance test is completed or is required to be completed under §60.8, whichever date comes first, no owner or operator of an affected facility that commences construction, reconstruction, or modification after February 28, 2005, and that combusts coal, oil, wood, a mixture of these fuels, or a mixture of these fuels with any other fuels and has a heat input capacity of 8.7 MW (30 MMBtu/h) or greater shall cause to be discharged into the atmosphere from that affected facility any gases that contain PM in excess of 13 ng/J (0.030 lb/MMBtu) heat input. (§60.48c(g)) The owner or operator of each affected facility shall record and maintain records of the

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Condition Number	Conditions
	amount of each fuel combusted during each operating day.
C.18	Emission Unit ID: 01 Equipment ID: 67GA Control Device ID: None 40 CFR Part 60, Subpart Dc (§60.42c(d)) On or after the date on which the initial performance test is completed or is required to be completed under 40 CFR 60.8, whichever date comes first, the owner/operator shall not cause to be discharged into the atmosphere any gases that contain SO₂ in excess of 215 ng/J (0.50 lb/million Btu) heat input; or, as an alternative, shall not combust oil that contains greater than 0.5 weight percent sulfur. (§60.44c) Where the owner or operator seeks to demonstrate compliance with the SO₂ standards based on fuel supplier certification, the performance test shall consist of the certification, the certification from the fuel supplier, as described under 40 CFR 60.48c(f)(1), (2), or (3), as applicable. (§60.42c(h)) Compliance with the emission limits or fuel oil sulfur limits may be determined based on a certification from the fuel supplier, as described under §60.42c(f)(1). (§60.44c(h), 40 CFR 60.45c(c), 40 CFR 60.46c(e), and 40 CFR 60.47c(c)), the owner/operator of the Fuel Oil Boiler is not required to conduct emissions monitoring if they maintain fuel supplier certifications of the sulfur content of the fuels burned, indicating that the oil burned contained no more than 0.5 weight percent sulfur. (§60.48c) Reports of fuel oil certification shall be submitted semi-annually. The reports shall consist of the fuel certification records and a signed statement from the owner/operator that the records of fuel supplier certifications submitted represent all of the fuel combusted during the reporting period.
C.19	Emission Unit ID: 08, 12 Equipment ID: 770H, 772H, 773H, 774H, 529M Control Device ID: None (S.C. Regulation 61-62.5, Standard No. 4, Section IX) Where construction or modification began before December 31, 1985, emissions from these sources (including fugitive emissions) shall not exhibit an opacity greater than 40%, each. The owner/operator shall perform a visual inspection on a semiannual basis during source operation. Logs shall be kept to record all visual inspections, noting color, duration, density (heavy or light), cause, and corrective action taken for any abnormal emissions. If a source did not operate during the

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Condition Number	Conditions
	required visual inspection time frame, the log shall indicate such. The owner/operator shall submit semiannual reports. The report shall include records of abnormal emissions, if any, and corrective actions taken. If the unit did not operate during the semiannual period, the report shall state so. Visual inspection means a qualitative observation of opacity during daylight hours. The observer does not need to be certified to conduct valid visual inspections. However, at a minimum, the observer should be skilled and knowledgeable about the effects on visibility of emissions caused by background contrast, ambient lighting, and observer position relative to lighting, wind, and the presence of uncombined water.
C.20	Emission Unit ID: 13 Equipment ID: 370N Control Device ID: None (S.C. Regulation 61-62.5, Standard No. 4, Section IX) Where construction or modification began before December 31, 1985, emissions from these sources (including fugitive emissions) shall not exhibit an opacity greater than 40%, each. The owner/operator shall perform a visual inspection during source operation on every day the source operates. No inspection shall be required on days the source does not operate. Logs shall be kept to record all visual inspections, noting color, duration, density (heavy or light), cause, and corrective action taken for any abnormal emissions. The owner/operator shall submit semiannual reports. The report shall include records of abnormal emissions, if any, and corrective actions taken. If the unit did not operate during the semiannual period, the report shall state so. Visual inspection means a qualitative observation of opacity during daylight hours. The observer does not need to be certified to conduct valid visual inspections. However, at a minimum, the observer should be skilled and knowledgeable about the effects on visibility of emissions caused by background contrast, ambient lighting, and observer position relative to lighting, wind, and the presence of uncombined water.
C.21	Emission Unit ID: 06, 08 Equipment ID: 77CF, 99CH, 01DH, 02DH, 03DH, 05DH, 07DH, 08DH, 09DH, 10DH, 12DH, 13DH, 20DH, 24DH Control Device ID: CD-N 0007, CD-N 0003 (S.C. Regulation 61-62.5, Standard No. 4, Section IX) Where construction or modification began before December 31, 1985, emissions from these sources (including fugitive emissions) shall not exhibit an opacity greater than 40%, each. For those sources that emit radionuclides as their only form of particulate matter, SC Regulation 61-

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Condition Number	Conditions
	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, <i>National Emission Standards for Emissions of Radionuclides Other Than Radon From Department of Energy Facilities</i> , the methods described in this NESHAP will be sufficient to ensure continued compliance with Standard 4.
C.22	Emission Unit ID: 01 Equipment ID: 794A Control Device ID: None (S.C. Regulation 61-62.5, Standard No. 4, Section IX) Where construction or modification began after December 31, 1985, emissions from this source (including fugitive emissions) shall not exhibit an opacity greater than 20%, each. The owner/operator shall perform a visual inspection at the beginning of each blasting operation. No inspection shall be required on days the source does not operate. Logs shall be kept to record all visual inspections, noting color, duration, density (heavy or light), cause, and corrective action taken for any abnormal emissions. The owner/operator shall submit semiannual reports. The report shall include records of abnormal emissions, if any, and corrective actions taken. If the unit did not operate during the semiannual period, the report shall state so. Visual inspection means a qualitative observation of opacity during daylight hours. The observer does not need to be certified to conduct valid visual inspections. However, at a minimum, the observer should be skilled and knowledgeable about the effects on visibility of emissions caused by background contrast, ambient lighting, and observer position relative to lighting, wind, and the presence of uncombined water.
C.23	Emission Unit ID: 16, 18 Equipment ID: 266S, 267S, 270S, 275S, 264S, 256S, 278S, 488S, 388S, 176S, 177S, 178S, 121S, 111S, 109S, 108S, 107S, 106S, 105S, 103S, 102S, 101S, 100S, 098S, 132S, 131S, 129S, 128S, 091Z Control Device ID: CD-J 0005 (S.C. Regulation 61-62.5, Standard No. 4, Section IX) Where construction or modification began after December 31, 1985, emissions from these sources (including fugitive emissions) shall not exhibit an opacity greater than 20%, each. The owner/operator shall perform a visual inspection on a semiannual basis during source operation. Logs shall be kept to record all visual inspections, noting color, duration, density (heavy or light), cause, and corrective action taken for any abnormal emissions. If a source did not operate during the required visual inspection time frame, the log shall indicate such. The owner/operator shall submit semiannual reports. The report shall include records of abnormal emissions, if any, and corrective actions taken. If the unit did not operate during the semiannual period, the report shall state so.

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Condition Number	Conditions
	Visual inspection means a qualitative observation of opacity during daylight hours. The observer does not need to be certified to conduct valid visual inspections. However, at a minimum, the observer should be skilled and knowledgeable about the effects on visibility of emissions caused by background contrast, ambient lighting, and observer position relative to lighting, wind, and the presence of uncombined water.
C.24	Emission Unit ID: 18 Equipment ID: 052Z, 069Z, 071Z, 072Z, 073Z, 074Z, 075Z, 076Z Control Device ID: CD-B 0011, CD-B 0013, CD-B 0014, CD-B 0015, CD-B 0016, CD-B 0017 (S.C. Regulation 61-62.5, Standard No. 4, Section IX) Where construction or modification began after December 31, 1985, emissions from these sources (including fugitive emissions) shall not exhibit an opacity greater than 20%, each. The owner/operator shall perform a visual inspection on a daily basis during source operation. Logs shall be kept to record all visual inspections, noting color, duration, density (heavy or light), cause, and corrective action taken for any abnormal emissions. If a source did not operate during the required visual inspection time frame, the log shall indicate such. The owner/operator shall submit semiannual reports. The report shall include records of abnormal emissions, if any, and corrective actions taken. If the unit did not operate during the semiannual period, the report shall state so. Visual inspection means a qualitative observation of opacity during daylight hours. The observer does not need to be certified to conduct valid visual inspections. However, at a minimum, the observer should be skilled and knowledgeable about the effects on visibility of emissions caused by background contrast, ambient lighting, and observer position relative to lighting, wind, and the presence of uncombined water.
C.25	Emission Unit ID: 01, 13, 16, 18 Equipment ID: 794A, 370N, 266S, 267S, 270S, 275S, 264S, 256S, 278S, 488S, 388S, 176S, 177S, 178S, 121S, 111S, 109S, 108S, 107S, 106S, 105S, 103S, 102S, 101S, 100S, 098S, 132S, 131S, 129S, 128S, 052Z, 069Z, 071Z, 072Z, 073Z, 074Z, 075Z, 076Z, 091Z Control Device ID: CD-J 0005, CD-B 0011, CD-B 0013, CD-B 0014, CD-B 0015, CD-B 0016, CD-B 0017 (S.C. Regulation 61-62.5, Standard No. 4, Section VIII) 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 $E = (F) 4.10P^{0.67}$ and For process weight rates greater than 30 tons per hour $E = (F) 55.0P^{0.11} - 40$ Where E = the allowable emission rate in pounds per hour

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Condition Number	Conditions										
	P = process weight rate in tons per hour F = effect factor from Table B in S.C. Regulation 61-62.5, Standard No. 4 For the purposes of compliance with this condition, the process boundaries are defined as follows: <table border="1" data-bbox="505 661 1300 1066"> <thead> <tr> <th>Process/Equipment IDs</th><th>Max Process Weight Rate (ton/hr)</th></tr> </thead> <tbody> <tr> <td>794A</td><td>0.0855</td></tr> <tr> <td>370N</td><td>1.649</td></tr> <tr> <td>266S, 267S, 270S, 275S, 264S, 256S, 278S, 488S, 388S, 176S, 177S, 178S, 121S, 111S, 109S, 108S, 107S, 106S, 105S, 103S, 102S, 101S, 100S, 098S, 132S, 131S, 129S, 128S</td><td>0.24</td></tr> <tr> <td>052Z, 069Z, 071Z, 072Z, 073Z, 074Z, 075Z, 076Z, 091Z</td><td>35.0</td></tr> </tbody> </table> The bead blaster (Equipment ID, 794A) shall be monitored when it is in operation as follows: (a) At the beginning of each blasting operation, the operator shall inspect and ensure all windows and doors are closed in the building. (b) Logs shall be kept to record all inspections, including cause and corrective action taken for any abnormal emissions from date of recording. Operation of the abrasive blasting unit (Equipment ID 370N) 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 Department personnel upon request. The owner/operator of the vitrification process (Equipment IDs 266S, 267S, 270S, 275S, 264S, 256S, 278S, 488S, 388S, 176S, 177S, 178S, 121S, 111S, 109S, 108S, 107S, 106S, 105S, 103S, 102S, 101S, 100S, 098S, 132S, 131S, 129S, 128S) 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 as specified in WSRC Letter ESH-ECS-2002-00284. (Equipment IDs 266S, 267S, 270S, 275S, 264S, 256S, 278S, 488S, 388S, 176S, 177S, 178S, 121S, 111S, 109S, 108S, 107S, 106S, 105S, 103S, 102S, 101S, 100S, 098S, 132S, 131S, 129S, 128S) Operational ranges for the monitored parameters have been established to ensure proper operation of the pollution control equipment. These operational ranges for the monitored parameters were derived	Process/Equipment IDs	Max Process Weight Rate (ton/hr)	794A	0.0855	370N	1.649	266S, 267S, 270S, 275S, 264S, 256S, 278S, 488S, 388S, 176S, 177S, 178S, 121S, 111S, 109S, 108S, 107S, 106S, 105S, 103S, 102S, 101S, 100S, 098S, 132S, 131S, 129S, 128S	0.24	052Z, 069Z, 071Z, 072Z, 073Z, 074Z, 075Z, 076Z, 091Z	35.0
Process/Equipment IDs	Max Process Weight Rate (ton/hr)										
794A	0.0855										
370N	1.649										
266S, 267S, 270S, 275S, 264S, 256S, 278S, 488S, 388S, 176S, 177S, 178S, 121S, 111S, 109S, 108S, 107S, 106S, 105S, 103S, 102S, 101S, 100S, 098S, 132S, 131S, 129S, 128S	0.24										
052Z, 069Z, 071Z, 072Z, 073Z, 074Z, 075Z, 076Z, 091Z	35.0										

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Condition Number	Conditions
	from stack test data, vendor certification, and/or operational history and visual inspections, which demonstrate the proper operation of the equipment. The facility shall maintain the established ranges and supporting documentation for these monitored parameters. Operating ranges may be updated following submittal to the Director of the Air Permitting Division. (Equipment IDs 266S, 267S, 270S, 275S, 264S, 256S, 278S, 488S, 388S, 176S, 177S, 178S, 121S, 111S, 109S, 108S, 107S, 106S, 105S, 103S, 102S, 101S, 100S, 098S, 132S, 131S, 129S, 128S) The condenser shall be in place and operational whenever processes controlled by it are running, except during periods of condenser malfunction or mechanical failure. (Equipment IDs 266S, 267S, 270S, 275S, 264S, 256S, 278S, 488S, 388S, 176S, 177S, 178S, 121S, 111S, 109S, 108S, 107S, 106S, 105S, 103S, 102S, 101S, 100S, 098S, 132S, 131S, 129S, 128S) Quarterly reports of incidences identified in WSRC Letter ESH-ECS-2002-00284 shall be submitted. If no incidences occurred during the reporting period, the report shall state so. (Equipment IDs 052Z, 069Z, 071Z, 072Z, 073Z, 074Z, 075Z, 076Z) The owner/operator shall continue to operate and maintain a pressure drop gauge on each module of each baghouse. Pressure drop readings shall be recorded daily during source operation. Operation and maintenance checks shall be made on at least a weekly basis for baghouse cleaning systems, dust collection hoppers and conveying systems for proper operation. Each baghouse shall be in place and operational whenever processes controlled by it are running, except during periods of baghouse malfunction or mechanical failure. The readings shall be maintained in logs (written or electronic (i.e., computerized data system)), along with any corrective action taken when deviations occur. (Equipment IDs 052Z, 069Z, 071Z, 072Z, 073Z, 074Z, 075Z, 076Z) Operational ranges for the monitored parameters have been established to ensure proper operation of the pollution control equipment. These operational ranges for the monitored parameters were derived from stack test data, vendor certification, and/or operational history and visual inspections, which demonstrate the proper operation of the equipment. The facility shall maintain the established ranges and supporting documentation for these monitored parameters. Operating ranges may be updated following submittal to the Director of the Air Permitting Division. (Equipment IDs 052Z, 069Z, 071Z, 072Z, 073Z, 074Z, 075Z, 076Z) 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. (Equipment IDs 052Z, 069Z, 071Z, 072Z, 073Z, 074Z, 075Z, 076Z) Quarterly reports of these incidences shall be submitted. If no incidences occurred during the reporting period then a letter shall be submitted to indicate such. Any alternative method for monitoring baghouse performance must be

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Condition Number	Conditions
	approved by the Bureau and shall be incorporated into the permit as set forth in SC Regulation 61 62.70.7. (Equipment IDs 052Z, 069Z, 071Z, 072Z, 073Z, 074Z, 075Z, 076Z) 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 CD-B 0013 & CD-B 0017: 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 CD-B 0011, CD-B 0014, CD-B 0015 & CD-B 0016: 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. Any further alternative methods for monitoring must be approved by the Bureau and shall be incorporated into the permit as set forth in SC Regulation 61 62.70.7.
C.26	Emission Unit ID: 13 Equipment ID: 370N Control Device ID: None (S.C. Regulation 61-62.5, Standard No. 4, Section X) All non-enclosed operations shall be conducted in such a manner that a minimum of particulate matter becomes airborne. In no case shall established ambient air quality standards be exceeded at or beyond the property line. The owner/operator of all such operations shall maintain dust control on the premises.
C.27	Emission Unit ID: 13 Equipment ID: 370N Control Device ID: None (S.C. Regulation 61-62.6 - Control of Fugitive Particulate Matter, Section III - Control of Fugitive Particulate Matter Statewide) Emissions of fugitive particulate matter shall be controlled in such a manner and to the degree that it does not create an undesirable level of air pollution. Restrictions and requirements may be contained in operating permits on a case-by-case basis that are deemed appropriate and necessary to control fugitive particulate matter in accordance with reasonably available control technology. No source/plant shall use any method of materials handling which will

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Condition Number	Conditions
	generate fugitive particulate matter that is not fully described in the permit application. Volatile organic compounds shall not be used for dust control purposes. Oil treatment is also prohibited
C.28	Emission Unit ID: 06 Equipment ID: 77CF Control Device ID: CD-N 0007 The HEPA filters and sand filters shall be in place and operational whenever processes controlled by it are running, except during periods of HEPA and sand filter malfunction or mechanical failure.
C.29	Emission Unit ID: 08 Equipment ID: 01DH, 02DH, 03DH, 05DH, 07DH, 08DH, 09DH, 10DH, 12DH, 13DH, 20DH, 24DH Control Device ID: CD-N 0003 The sand filters shall be in place and operational whenever processes controlled by it are running, except during periods of sand filter malfunction or mechanical failure.
C.30	Emission Unit ID: 01 Equipment ID: 66GA Control Device ID: CD-E 0009 This source is permitted to burn only clean wood, as defined in SC Regulation 61-62.1, Section I - Definitions, untreated wood or untreated wood products including clean untreated lumber, tree stumps (whole or chipped), and tree limbs (whole or chipped), as fuel. Clean wood does not include yard waste, or construction, renovation, and demolition waste (including but not limited to railroad ties and telephone poles). The use of any other substances as fuel is prohibited without prior written approval from the Department.
C.31	Emission Unit ID: 01, 02 Equipment ID: 67GA, 162B, 159B, 161B Control Device ID: None These sources are permitted to burn only No. 2 fuel oil as fuel. The use of any other substances as fuel is prohibited without prior written approval from the Department.
C.32	Emission Unit ID: 01, 02 Equipment ID: 67GA, 162B, 159B, 161B Control Device ID: None (S.C. Regulation 61-62.1, Section II.J.2) Fuel oil sulfur content shall be less than or equal to 0.0015 percent by weight. 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 sulfur content less than or equal to 0.0015 percent by weight and (c) the American Society for Testing Materials (ASTM) Method utilized to determine sulfur content. A letter summarizing all batches of oil received on a semiannual basis

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C. LIMITATIONS, MONITORING AND REPORTING CONDITIONS
(S.C. Regulation 61-62.1, Section II; S.C. Regulation 61-62.70.6.a.3.i.B)

Condition Number	Conditions
	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. Reports of the recorded sulfur content shall be submitted semiannually.
C.33	Emission Unit ID: 12 Equipment ID: 529M Control Device ID: None (S.C. Regulation 61-62.1, Section II.E) This facility established federally enforceable operating limitations to limit the potential to emit from this source to less than 12.9 tons per year of VOCs to avoid a project wide PSD Significant Increase of 40.0 tons per year of VOCs. Air emissions assume that 100% of the contaminants are stripped from the inlet groundwater. Water sampling will be performed by a certified laboratory utilizing the most current method for analyzing – Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry. Water sampling frequencies shall be completed once per month. 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. The owner or operator shall determine the VOC emissions from Equipment ID 529M 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 12.9 TPY. A quarterly report summarizing the monthly VOC emissions and associated twelve (12) month rolling sum shall be submitted. 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. An algorithm, including example calculations and emission factors, explaining the method used to determine emission rates has been submitted. Subsequent submittals of the algorithm are required within 30 days of the change if the algorithm or basis for emissions is modified or the Department requests additional information. 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.
C.34	Emission Unit ID: 01 Equipment ID: 66GA, 67GA Control Device ID: CD-E 0009 (S.C. Regulation 61-62.1, Section II.E) This facility established federally enforceable operating limitations to limit the potential to emit from these sources to less than 25.0 tons per year of PM to avoid a PSD Significant Increase of 25.0 tons per year of PM.

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C. LIMITATIONS, MONITORING AND REPORTING CONDITIONS
(S.C. Regulation 61-62.1, Section II; S.C. Regulation 61-62.70.6.a.3.i.B)

Condition Number	Conditions
	(Equipment ID 66GA) The owner or operator of the boilers shall calibrate, maintain, and continue to operate a COMS for measuring the opacity and ensuring compliance of the ESP per 40 CFR 63, Subpart DDDDD, and record the output of the system. The ESP shall be in place and operational whenever processes controlled by it are running, except during periods of ESP malfunction or mechanical failure. Operational ranges for the monitored parameters have been established to ensure proper operation of the pollution control equipment. These operational ranges for the monitored parameters were derived from stack test data, vendor certification, and/or operational history and visual inspections, which demonstrate the proper operation of the equipment. The facility shall maintain the established ranges and supporting documentation for these monitored parameters. Operating ranges may be updated following submittal to the Director of the Air Permitting Division. The owner/operator shall record weekly fuel consumption, including fuel grade and supplier certification of sulfur content of the fuel. The owner/operator shall calculate PM emissions on a twelve-month rolling sum. The calculations shall include sulfur content, fuel consumption, and Department approved emission factors. PM emissions shall be less than 25.0 tons. Reports of the calculated values and the twelve-month rolling sum, calculated for each month in the reporting period, shall be submitted quarterly. An algorithm, including example calculations and emission factors, explaining the method used to determine emission rates shall has been submitted. Subsequent submittals of the algorithm are required within 30 days of the change if the algorithm or basis for emissions is modified or the Department requests additional information.
C.35	Emission Unit ID: 01 Equipment ID: 66GA, 67GA Control Device ID: CD-E 0009 (S.C. Regulation 61-62.1, Section II.E) This facility established federally enforceable operating limitations to limit the potential to emit from these sources to less than 15.0 tons per year of PM₁₀ to avoid a PSD Significant Increase of 15.0 tons per year of PM₁₀. (Equipment ID 66GA) The owner or operator of the boilers shall calibrate, maintain, and continue to operate a COMS for measuring the opacity and ensuring compliance of the ESP per 40 CFR 63, Subpart DDDDD, and record the output of the system. The ESP shall be in place and operational whenever processes controlled by it are running, except during periods of ESP malfunction or mechanical failure.

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C. LIMITATIONS, MONITORING AND REPORTING CONDITIONS
(S.C. Regulation 61-62.1, Section II; S.C. Regulation 61-62.70.6.a.3.i.B)

Condition Number	Conditions
	Operational ranges for the monitored parameters have been established to ensure proper operation of the pollution control equipment. These operational ranges for the monitored parameters were derived from stack test data, vendor certification, and/or operational history and visual inspections, which demonstrate the proper operation of the equipment. The facility shall maintain the established ranges and supporting documentation for these monitored parameters. Operating ranges may be updated following submittal to the Director of the Air Permitting Division. The owner/operator shall record weekly fuel consumption, including fuel grade and supplier certification of sulfur content of the fuel. The owner/operator shall calculate PM₁₀ emissions on a twelve-month rolling sum. The calculations shall include sulfur content, fuel consumption, and Department approved emission factors. PM₁₀ emissions shall be less than 15.0 tons. Reports of the calculated values and the twelve-month rolling sum, calculated for each month in the reporting period, shall be submitted quarterly. An algorithm, including example calculations and emission factors, explaining the method used to determine emission rates has been submitted. Subsequent submittals of the algorithm are required within 30 days of the change if the algorithm or basis for emissions is modified or the Department requests additional information.
C.36	Emission Unit ID: 01 Equipment ID: 66GA, 67GA Control Device ID: CD-E 0009 (S.C. Regulation 61-62.1, Section II.E) This facility established federally enforceable operating limitations to limit the potential to emit from these sources to less than 40.0 tons per year of SO₂ to avoid a PSD Significant Increase of 40.0 tons per year of SO₂. The owner/operator shall record weekly fuel consumption, including fuel grade and supplier certification of sulfur content of the fuel. The owner/operator shall calculate SO₂ emissions on a twelve-month rolling sum. The calculations shall include sulfur content, fuel consumption, and Department approved emission factors. SO₂ emissions shall be less than 40.0 tons. Reports of the calculated values and the twelve-month rolling sum, calculated for each month in the reporting period, shall be submitted quarterly. An algorithm, including example calculations and emission factors, explaining the method used to determine emission rates has been submitted. Subsequent submittals of the algorithm are required within 30 days of the change if the algorithm or basis for emissions is modified or the Department requests additional information.
C.37	Emission Unit ID: 01 Equipment ID: 66GA, 67GA

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C. LIMITATIONS, MONITORING AND REPORTING CONDITIONS
(S.C. Regulation 61-62.1, Section II; S.C. Regulation 61-62.70.6.a.3.i.B)

Condition Number	Conditions
	Control Device ID: CD-E 0009 (S.C. Regulation 61-62.1, Section II.E) This facility established federally enforceable operating limitations to limit the potential to emit from these sources to less than 40.0 tons per year of NO_x to avoid a PSD Significant Increase of 40.0 tons per year of NO_x. The owner/operator shall record weekly fuel consumption, including fuel grade and supplier certification of sulfur content of the fuel. The owner/operator shall calculate NO_x emissions on a twelve-month rolling sum. The calculations shall include sulfur content, fuel consumption, and Department approved emission factors. NO_x emissions shall be less than 40.0 tons. Reports of the calculated values and the twelve-month rolling sum, calculated for each month in the reporting period, shall be submitted quarterly. An algorithm, including example calculations and emission factors, explaining the method used to determine emission rates has been submitted. Subsequent submittals of the algorithm are required within 30 days of the change if the algorithm or basis for emissions is modified or the Department requests additional information.
C.38	Emission Unit ID: 01 Equipment ID: 66GA, 67GA Control Device ID: CD-E 0009 (S.C. Regulation 61-62.1, Section II.E) This facility established federally enforceable operating limitations to limit the potential to emit from these sources to less than 100.0 tons per year of CO to avoid a PSD Significant Increase of 100.0 tons per year of CO. The owner/operator shall record weekly fuel consumption, including fuel grade and supplier certification of sulfur content of the fuel. The owner/operator shall calculate CO emissions on a twelve-month rolling sum. The calculations shall include sulfur content, fuel consumption, and Department approved emission factors. CO emissions shall be less than 100.0 tons. Reports of the calculated values and the twelve-month rolling sum, calculated for each month in the reporting period, shall be submitted quarterly. An algorithm, including example calculations and emission factors, explaining the method used to determine emission rates has been submitted. Subsequent submittals of the algorithm are required within 30 days of the change if the algorithm or basis for emissions is modified or the Department requests additional information.
C.39	Emission Unit ID: All Equipment ID: All Control Device ID: All

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C. LIMITATIONS, MONITORING AND REPORTING CONDITIONS
(S.C. Regulation 61-62.1, Section II; S.C. Regulation 61-62.70.6.a.3.i.B)

Condition Number	Conditions
	The owner/operator shall be allowed to operate Internal Combustions Engines (ICEs) that meet the definition of nonroad engines as defined by 40 CFR 1068.30. The owner/operator shall maintain a system that can demonstrate that any given nonroad ICE shall be at a location on site and intended for use for a period of 12 months or less. The system for demonstrating compliance shall be submitted and approved within 180 days of the effective date of this permit. The system shall include, but is not limited to, (1) Where on the site they are; (2) Where they have been; (3) Their start of operation at a location; and (4) Their end of operation at a location. The facility shall not be required to notify the Department prior to operating these units. Permanent units, not qualifying as Insignificant Activities, shall require prior notification and approval by the Department and will be shown in the facility's operating permit as permitted sources. If any given nonroad ICE exceeds the 12-month period, emissions from the use of such equipment must be added to the facility wide totals, as applicable, and any necessary permitting for the ICE must be addressed.
C.40	Emission Unit ID: All Equipment ID: All Control Device ID: All USDOE – Savannah River Nuclear Solutions, LLC (Permit number TV-0080-0041) is considered co-located with Ameresco Biomass Cogeneration (Permit number TV-0080-0144). Aggregate emissions shall be considered when determining facility emissions.

D. NESHAP PERIODIC REPORTING SCHEDULE SUMMARY

NESHAP Part	NESHAP Subpart	Compliance Monitoring Report Submittal Frequency	Reporting Period	Report Due Date
61	H	Annual	January 1 through December 31	June 30
63	ZZZZ (Emergency Engines see note 3 and 4)	N/A	N/A	N/A

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D. NESHAP PERIODIC REPORTING SCHEDULE SUMMARY

NESHAP Part	NESHAP Subpart	Compliance Monitoring Report Submittal Frequency	Reporting Period	Report Due Date
63	DDDDD	Semi-Annual	January 1 through June 30 July 1 through December 31	Postmarked or delivered no later than July 31 or January 31, whichever date is the first date following the end of the semiannual reporting period

1. This table summarizes only the periodic compliance reporting schedule. Additional reports may be required. See specific NESHAP Subpart for additional reporting requirements and associated schedule.
2. This reporting schedule does not supersede any other reporting requirements including but not limited to 40 CFR Part 60, 40 CFR Part 61, 40 CFR Part 63, and/or Title V. The MACT reporting schedule may be adjusted to coincide with the Title V reporting schedule with prior approval from the Department in accordance with 40 CFR 63.10(a)(5). This request may be made 1 year after the compliance date for the associated MACT standard.
3. Facilities with emergency engines are not required to submit reports. Only facilities with non-emergency engines are required to submit semiannual reports.
4. Facilities with emergency engines shall comply with the operations limits specified in 40 CFR 63.6640(f).

E. NESHAP – CONDITIONS

Condition Number	Conditions
E.1	All NESHAP notifications and reports shall be sent to the Manager of the Air Toxics Section, South Carolina Department of Health and Environmental Control - Bureau of Air Quality.
E.2	All NESHAP notifications and the cover letter to periodic reports shall be sent to the United States Environmental Protection Agency (US EPA) at the following address or electronically as required by the specific subpart: US EPA, Region 4 Air, Pesticides and Toxics Management Division 61 Forsyth Street SW Atlanta, GA 30303
E.3	Emergency power generators less than or equal to 150 kilowatt (kW) rated capacity or greater than 150 kW rated capacity designated for emergency use only and operated a total of 500 hours per year or less for testing and maintenance with a method to record the actual hours of use such as an hour meter have been determined to be exempt from construction permitting requirements in accordance with South Carolina Regulation 61-62.1. These sources shall still comply with the requirements of all applicable regulations including but not limited to the following:

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E. NESHAP – CONDITIONS

Condition Number	Conditions
	New Source Performance Standards (NSPS) 40 CFR 60 Subpart A (General Provisions); NSPS 40 CFR 60 Subpart IIII (Stationary Compression Ignition Internal Combustion Engines); NSPS 40 CFR 60 Subpart JJJJ (Stationary Spark Ignition Internal Combustion Engines); National Emission Standards for Hazardous Air Pollutants (NESHAP) 40 CFR 63 Subpart A (General Provisions); and NESHAP 40 CFR 63 Subpart ZZZZ (Stationary Reciprocating Internal Combustion Engines).
E.4	This facility has processes subject to the provisions of S.C. Regulation 61-62.61 and 40 CFR Part 61, National Emission Standards for Hazardous Air Pollutants, Subparts A and H, National Emission Standards For Emissions Of Radionuclides Other Than Radon From Department Of Energy Facilities. The owner or operator shall comply with all applicable requirements of these Subparts; which are incorporated by reference as if fully repeated herein. Existing affected sources shall be in compliance with the requirements of these Subparts by the compliance date, unless otherwise noted. Any new affected sources shall comply with the requirements of these Subparts upon initial start-up unless otherwise noted.
E.5	This facility has processes subject to the provisions of S.C. Regulation 61-62.63 and 40 CFR Part 63, National Emission Standards for Hazardous Air Pollutants, Subparts A and DDDDD, National Emission Standards For Hazardous Air Pollutants For Major Sources: Industrial, Commercial, And Institutional Boilers And Process Heaters. The owner or operator shall comply with all applicable requirements of these Subparts; which are incorporated by reference as if fully repeated herein. Existing affected sources shall be in compliance with the requirements of these Subparts by the compliance date, unless otherwise noted. Any new affected sources shall comply with the requirements of these Subparts upon initial start-up unless otherwise noted.

F. COMPLIANCE SCHEDULE - RESERVED

G. PERMIT SHIELD

Condition Number	Conditions
G.1	(S.C. Regulation 61-62.70.6.f) A copy of the "applicability determination" submitted with the Part 70 permit application is included as Attachment – Applicable and Non-Applicable Federal and State Regulations. With the exception of those listed below, compliance with the terms and conditions of this permit shall be deemed compliance with the applicable requirements specified in Attachment – Applicable and Non-Applicable Federal and State Regulations as of the date of permit issuance provided that such applicable requirements are included and are specifically identified in the permit. The owner or operator shall also be shielded from the non-applicable requirements specified in Attachment – Applicable and Non-Applicable Federal and State Regulations. Exceptions to this are stated below in the Permit Shield Exceptions Table. This permit shield does not extend to applicable

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G. PERMIT SHIELD

Condition Number	Conditions
	requirements which are promulgated after permit issuance, unless the permit has been appropriately modified to reflect such new requirements. 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 owner or operator 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 US 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 (S.C. Regulation 61-62.70.7.e.2), group processing of minor permit modifications (S.C. Regulation 61-62.70.7.e.3), or operational flexibility (S.C. Regulation 61-62.70.7.e.5.i), except as specified in S.C. Regulation 61-62.70.7.e.5.iii.

Permit Shield Exceptions	
40 CFR 50 - National Primary and Secondary Ambient Air Quality Standards	
40 CFR 51.166 - Prevention of Significant Deterioration of Air Quality	
40 CFR 60 Subpart A, General Provisions	
40 CFR 60 Subpart B, Adoption and Submittal of State Plans for Designated Facilities	
40 CFR 60 Subpart C, Emission Guidelines and Compliance Times	
40 CFR 61 Subpart A, General Provisions	
40 CFR 61 Subpart M, National Emission Standard for Asbestos	
40 CFR 63 Subpart A, General Provisions	
40 CFR 63 Subpart B, Requirements for Control Technology Determinations for Major Sources in Accordance with Clean Air Act Sections, Sections 112 (g) and 112 (j)	
40 CFR 63 Subpart C, List of Hazardous Pollutants, Petition Process, Lesser Quantity Designations, Source Category List	
40 CFR 64, Compliance Assurance Monitoring	
40 CFR 70 - State Operating Permit Programs	
40 CFR 95 - Mandatory Patent Licenses	
40 CFR 98 - Mandatory Greenhouse Gas Reporting	
40 CFR 261.2 - Definition of Solid Waste	
SC Regulation 61-62.1, Definitions and General Requirements	
SC Regulation 61-62.5, Standard No. 2, Ambient Air Quality Standards	
SC Regulation 61-62.5, Standard No. 7, Prevention of Significant Deterioration	
SC Regulation 61-62.5, Standard No. 7.1, Nonattainment New Source Review	
SC Regulation 61-62.6, Control of Fugitive Particulate Matter	
SC Regulation 61-62.60 South Carolina Designated Facility Plan and New Source Performance Standards	
SC Regulation 61-62.61 Subpart A, General Provisions	
SC Regulation 61-62.61 Subpart M, National Emission Standard for Asbestos	
SC Regulation 61-62.63 National Emission Standards for Hazardous Air Pollutants (NESHAP)	

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Permit Shield Exceptions
SC Regulation 61-62.70, Title V Operating Permit Program
SC Regulation 61-86.1 - Standards of Performance for Asbestos Projects

H. PERMIT FLEXIBILITY

Condition Number	Conditions
H.1	The facility may install, remove, and modify insignificant activities as defined in S.C. Regulation 61-62.70.5.c and exempt sources as listed in S.C. Regulation 61-62.1, Section II.B, without revising or reopening the Title V Operating Permit. A list of insignificant activities/exempt sources must be maintained on site, along with any necessary documentation to support the determination that the activity is insignificant and/or exempt, and shall be made available to a Department representative upon request. The list shall be submitted with the next renewal application.

I. AMBIENT AIR STANDARDS REQUIREMENTS

Condition Number	Conditions
I.1	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 ambient air standard. Any changes in the parameters used in this demonstration 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 - Emission Rates for Ambient Air Standards of this permit. Higher emission rates may be administratively incorporated into Attachment - Emission Rates for Ambient Air Standards of this permit provided a demonstration using these higher emission rates shows the attainment and maintenance of any state or federal ambient air quality 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. The owner/operator shall maintain this facility at or below the emission rates as listed in Attachment - Emission Rates for Ambient Air Standards, not to exceed the pollutant limitations of this permit. Should the facility wish to increase the emission rates listed in Attachment - Emission Rates for Ambient Air Standards, not to exceed the pollutant limitations in the body of this permit, it may do so by the administrative process specified above. This is a State Only enforceable requirement.

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J. PERIODIC REPORTING SCHEDULE

Compliance Monitoring Report Submittal Frequency	Reporting Period (Begins on the effective date of the permit)	Report Due Date
Quarterly	January-March April-June July-September October-December	April 30 July 30 October 30 January 30
Semiannual	January-June April-September July-December October-March	July 30 October 30 January 30 April 30
Note: This reporting schedule does not supersede any federal reporting requirements including but not limited to 40 CFR Part 60, 40 CFR Part 61, and 40 CFR Part 63. All federal reports must meet the reporting time frames specified in the federal standard unless the Department or EPA approves a change.		

K. TITLE V COMPLIANCE CERTIFICATION REPORTING SCHEDULE

Title V Compliance Certification Submittal Frequency	Reporting Period (Begins on the effective date of the permit)	Report Due Date
Annual	January-December April-March July-June October-September	February 14 May 15 August 14 November 14

L. TITLE V RECORD KEEPING AND REPORTING REQUIREMENTS

Condition Number	Conditions
L.1	Reporting required in this permit, shall be submitted in a timely manner as directed in the Title V Periodic Reporting Schedule and the Title V Compliance Certification Reporting Schedule of this permit. All required reports must be certified by a responsible official consistent with S.C. Regulation 61-62.70.5.d.
L.2	All reports and notifications required under this permit shall be submitted to the person indicated in the specific condition at the following address: 2600 Bull Street Columbia, SC 29201 The contact information for the local Environmental Affairs Regional office can be found at: http://www.scdhec.gov

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L. TITLE V RECORD KEEPING AND REPORTING REQUIREMENTS

Condition Number	Conditions
L.3	Unless elsewhere specified within this permit, all reports required under this permit shall be submitted to the Manager of the Technical Management Section, Bureau of Air Quality.
L.4	All Title V Annual Compliance Certifications shall be sent to the US EPA, Region 4, Air Enforcement Branch and to the Manager of the Technical Management Section, Bureau of Air Quality. US EPA, Region 4 Air Enforcement Branch 61 Forsyth Street SW Atlanta, GA 30303
L.5	(S.C. Regulation 61-62.70.6.a.3.ii) The owner or operator shall comply, where applicable, with the following monitoring/support information collection and retention record keeping requirements: 1. Records of required monitoring information shall include the following: a. The date, place as defined in the permit, and time of sampling or measurements; b. The date(s) analyses were performed; c. The company or entity that performed the analyses; d. The analytical techniques or methods used; e. The results of such analyses; and f. The operating conditions as existing at the time of sampling or measurement; 2. Records of all required monitoring data and support information shall be retained for a period of at least 5 years from the date of the monitoring sample, measurement, report, or application. 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 the permit.
L.6	(S.C. Regulation 61-62.1, Section II.J.1.c) For sources not required to have continuous emission monitors, 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 (1) hour or more and which are greater than those discharges described for normal operation in the permit application, shall be reported to the Department within twenty-four (24) hours after the beginning of the occurrence and a written report shall be submitted to the Department within thirty (30) days. The written report shall include, at a minimum, the following: 1. The identity of the stack and/or emission point where the excess emissions occurred; 2. The magnitude of excess emissions expressed in the units of the applicable emission limitation and the operating data and calculations used in determining the excess emissions; 3. The time and duration of excess emissions; 4. The identity of the equipment causing the excess emissions; 5. The nature and cause of such excess emissions; 6. The steps taken to remedy the malfunction and the steps taken or planned to prevent the recurrence of such malfunction; 7. The steps taken to limit the excess emissions; and, 8. Documentation that the air pollution control equipment, process equipment, or processes

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L. TITLE V RECORD KEEPING AND REPORTING REQUIREMENTS

Condition Number	Conditions
	were at all times maintained and operated, to the maximum extent practicable, in a manner consistent with good practice for minimizing emissions. The initial twenty-four (24) hour notification should be made to the Department's local Environmental Affairs Regional office. The written report should be sent to the Manager of the Technical Management Section, Bureau of Air Quality and the local Environmental Affairs Regional office.
L.7	(S.C. Regulation 61-62.70.6.c.5.iii) The responsible official shall certify, annually, compliance with the conditions of this permit as required under S.C. Regulation 61-62.70.6.c. 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 means used by the owner or operator for determining the compliance status with each term and condition of the permit during the certification period. 3. The status of compliance with the terms and conditions of the permit for the period covered by the certification, including whether compliance during the period was continuous or intermittent. The certification shall be based on the method or means designated in S.C. Regulation 61-62.70.6.c.5.iii.B. The certification shall identify each deviation and take it into account in the compliance certification. 4. Such other facts as the Department may require to determine the compliance status of the source.
L.8	(S.C. Regulation 61-62.1, Section II.M) Within 30 days of the transfer of ownership/operation of a facility, the current permit holder and prospective new owner or operator shall submit to the Director of Air Permitting a written request for transfer of the source operating or construction permits. The written request for transfer of the source operating or construction permit shall include any changes pertaining to the facility name and mailing address; the name, mailing address, and telephone number of the owner or operator for the facility; and any proposed changes to the permitted activities of the source. Transfer of the operating or construction permits will be effective upon written approval by the Department.

M. GENERAL FACILITY WIDE

Condition Number	Conditions
M.1	The owner or operator shall comply with S.C. Regulation 61-62.2 "Prohibition of Open Burning."
M.2	The owner or operator shall comply with S.C. Regulation 61-62.3 "Air Pollution Episodes."
M.3	The owner or operator shall comply with S.C. Regulation 61-62.4 "Hazardous Air Pollution Conditions."

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M. GENERAL FACILITY WIDE

Condition Number	Conditions
M.4	The owner or operator shall comply with S.C. Regulation 61-62.6 "Control of Fugitive Particulate Matter", Section III "Control of Fugitive Particulate Matter Statewide."
M.5	The owner or operator shall comply with the standards of performance for asbestos abatement operations pursuant to 40 CFR Part 61.145, including, but not limited to, requirements governing training, licensing, notification, work practice, cleanup, and disposal.
M.6	The owner or operator shall comply with the standards of performance for asbestos abatement operations pursuant to S.C. Regulation 61-86.1, including, but not limited to, requirements governing training, licensing, notification, work practice, cleanup, and disposal.
M.7	The owner or operator 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 owner or operator performs a service on motor (fleet) vehicles that involves ozone-depleting substance refrigerant in MVACs, the owner or operator is subject to all applicable requirements of 40 CFR Part 82, Subpart B, Servicing of MVACs.
M.8	(S.C. 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.
M.9	(S.C. Regulation 61-62.70.6.a.6.i) The owner or operator must comply with all of the conditions of this permit. Any permit noncompliance constitutes a violation of the S.C. 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.
M.10	(S.C. Regulation 61-62.70.6.a.6.ii) It shall not be a defense for an owner or operator 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.
M.11	(S.C. Regulation 61-62.70.6.a.6.iii) The permit may be modified, revoked, reopened and reissued, or terminated for cause by the Department. The filing of a request by the owner or operator 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.
M.12	(S.C. Regulation 61-62.70.6.a.6.iv) The permit does not convey any property rights of any sort, or any exclusive privilege.
M.13	(S.C. Regulation 61-62.70.6.a.6.v) The owner or operator 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 and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the owner or operator shall also furnish to the Department copies of records required to be kept by the permit or, for information claimed to be confidential, the owner or operator may furnish such records directly to the Administrator along with a claim of confidentiality. The Department may also request that the owner or operator furnish such records directly to the Administrator along with a claim of confidentiality.
M.14	(S.C. Regulation 61-62.70.6.a.8) No permit revision shall be required, under any approved economic

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Condition Number	Conditions
	incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit.
M.15	(S.C. Regulation 61-62.70.6.c.2) Upon presentation of credentials and other documents as may be required by law, the owner or operator shall allow the Department or an authorized representative to perform the following: 1. Enter upon the owner or operator'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 S.C. Pollution Control Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.
M.16	(S.C. Regulation 61-62.70.6.g) In the case of an emergency, as defined in S.C. Regulation 61-62.70.6.g.1, the owner or operator shall demonstrate an affirmative defense of emergency through properly signed, contemporaneous operating logs, or other relevant evidence that: 1. An emergency occurred and that the owner or operator 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 owner or operator took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and 4. The owner or operator 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 S.C. 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 owner or operator seeking to establish the occurrence of an emergency has the burden of proof.
M.17	(S.C. Regulation 61-62.70.6.a.1.ii) 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.
M.18	(S.C. Regulation 61-62.70.6.a.4) According to S.C. Regulation 61-62.70.6.a.4, the owner or operator 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

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M. GENERAL FACILITY WIDE

Condition Number	Conditions
	shall be placed on the number of allowances held by a source. The source may not, however, use allowances as a defense to 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.
M.19	(S.C. Regulation 61-62.70.7.c.1.ii) Permit expiration terminates the source's right to operate unless a timely and complete renewal application has been submitted consistent with S.C. Regulation 61-62.70.5.a.1.iii, 62.70.5.a.2.iv, and 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 S.C. Regulation 61-62.70.6.f shall remain in effect until the renewal permit has been issued or denied.
M.20	Requests for permit modification and amendments shall be submitted on the appropriate Department approved Title V Modification Form(s).
M.21	(S.C. 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 S.C. Regulation 61-62.70.9. Failure to pay applicable fee can be considered grounds for permit revocation.
M.22	(S.C. Regulation 61-62.1, Section III) The owners or operators of Part 70 sources shall complete and submit a new updated emissions inventory consistent with the schedule approved pursuant to S.C. Regulation 61-62.1, Section III. These Emissions Inventory Reports shall be submitted to the Manager of the Emissions Inventory Section, Bureau of Air Quality. This requirement notwithstanding, an emissions inventory may be required at any time in order to determine the compliance status of any facility.
M.23	This permit expressly incorporates insignificant activities. Emissions from these activities shall be included in the emissions inventory submittals as required by S.C. Regulation 61-62.1, Section III.B.2.g.
M.24	(S.C. Regulation 61-62.1, Section II.J.1.a) No applicable law, regulation, or standard will be contravened.
M.25	(S.C. Regulation 61-62.1, Section II.J.1.e) Any owner or operator who constructs or operates a source or modification not in accordance with the application submitted pursuant to S.C. Regulation 61-62.1 or with the terms of any approval to construct, or who commences construction after the effective date of S.C. Regulation 61-62.1 without applying for and receiving approval hereunder, shall be subject to enforcement action.

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The emission rates listed herein are not considered enforceable limitations but are used to evaluate ambient air quality impact. Until the Department makes a determination that a facility is causing or contributing to an exceedance of a state or federal ambient air quality standard, increases to these emission rates are not in themselves considered violations of these ambient air quality standards (see Ambient Air Standards Requirements).

AMBIENT AIR QUALITY STANDARDS – STANDARD NO. 2 and 7						
Emission Point ID	Emission Rates (lbs/hr)					
	PM ₁₀	PM _{2.5}	SO ₂	NO _x	CO	Lead
0080-0041						
AGP7	0.2167	0.0217	--	--	--	--
APF2	2.28	2.08	1.00	13.17	23.97	1.90E-03
APF3	0.66	0.44	6.09E-02	2.85	1.43	4.32E-04
BQH1	0.17	0.16	1.55E-02	1.65	0.39	8.42E-05
FOP1	3.80E-05	7.59E-06	--	--	--	1.39E-09
GLJ3	0.17	2.49E-02	2.68E-03	1.39E-02	0.46	1.82E-03
GQJ1	0.25	1.04E-02	1.70E-03	1.88E-04	0.18	1.17E-03
GVJ2	7.86E-02	5.38E-02	1.01E-04	4.13E-02	1.00	5.20E-03
HSP2	--	--	--	118.26	--	--
HWP3	4.43E-02	4.43E-02	--	--	--	2.98E-05
NBJ16	0.12	0.12	9.02E-04	0.22	0.13	2.93E-02
NBJ28	4.80	0.96	--	--	--	--
SDJ1	0.56	8.49E-02	--	--	--	1.60E-03
SDP7	0.12	0.12	--	13.17	--	1.69E-06
SDP107	1.00E-02	1.00E-02	--	--	--	1.00E-05
ZDP71	3.12E-02	3.12E-02	--	--	--	1.53E-07
ZDP88	0.16	0.16	--	--	--	7.64E-07
ZDP89	0.16	0.16	--	--	--	7.64E-07
ZDT1	5.50E-02	5.50E-02	--	--	--	2.60E-05
ZDT2	0.18	0.18	--	--	--	8.67E-06
0080-0144						
Boiler 3	4.61	4.61	7.84	19.6	4.76	4.70E-03
1STACK	9.87	9.87	56.6	31.5	27.3	2.05E-02
2STACK	9.87	9.87	56.6	31.5	27.3	2.05E-02
KBIOB	0.30	0.30	3.70E-02	0.30	0.40	7.15E-05
LBIOB	0.33	0.33	0.15	1.22	1.65	3.00E-04
TB-1	4.26	4.26	4.48	11.0	6.65	7.70E-04

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STANDARD NO. 8 - TOXIC AIR POLLUTANTS EMISSION RATES (LBS/HR) TABLE 1				
STACK ID	Acetaldehyde	Acrylonitrile	Antimony Compounds	Carbon Disulfide
	75-07-0	107-13-1	N/A	75-15-0
GLJ3	1.29E-04	2.17E-08	1.02E-06	1.18E-03
GQJ1	--	--	2.44E-06	--

STANDARD NO. 8 – TOXIC AIR POLLUTANTS EMISSION RATES (LB/HR) TABLE 2				
Emission Point ID	Carbon Tetrachloride	Chlorine	Chloroform	Cumene
	56-23-5	7782-50-5	67-66-3	98-82-8
AEJ1	1.14E-04	--	--	--
AEJ15	3.68E-05	--	1.85E-04	--
DEJ2	--	--	5.48E-06	3.93E-03
GEJ21	--	--	5.14E-05	--
GLJ3	1.25E-04	7.50E-04	--	--
MEJ4	4.70E-04	--	--	--
TEJ2	3.27E-02	--	7.95E-04	--
ZDP91	--	--	2.63E-05	--

STANDARD NO. 8 - TOXIC AIR POLLUTANTS EMISSION RATES (LBS/HR) TABLE 3				
STACK ID	Ethyl Benzene	Benzene	Toluene	m-Xylene
	100-41-4	71-43-2	108-88-3	108-38-3
AGT23	--	1.64E-03	--	--
APT14	2.40E-05	1.48E-05	1.75E-04	4.41E-04
AYK1	--	1.01E-01	--	--
AYK2	8.72E-03	4.49E-03	6.19E-02	1.54E-01
AYK3	--	8.13E-04	--	--
BQT1	5.71E-06	3.42E-06	4.57E-05	1.15E-04
BQT2	5.71E-06	3.42E-06	4.57E-05	1.15E-04
BVJ3	4.09E-02	1.37E-02	1.28E-01	8.29E-02
BVT1	1.99E-04	6.62E-05	6.28E-04	4.04E-04
DEJ2	3.88E-03	4.93E-04	1.23E-02	--

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STANDARD NO. 8 - TOXIC AIR POLLUTANTS EMISSION RATES (LBS/HR) TABLE 3				
STACK ID	Ethyl Benzene	Benzene	Toluene	m-Xylene
	100-41-4	71-43-2	108-88-3	108-38-3
FST172	9.25E-05	4.75E-04	1.92E-03	1.38E-03
FST173	9.25E-05	4.75E-04	1.92E-03	1.38E-03
GLJ3	--	2.14E-05	--	--
GQJ1	--	3.06E-04	--	--
GVJ2	--	3.24E-04	--	--
GYJ3	--	3.38E-02	--	--
GYK1	--	3.38E-02	--	--
GYK2	7.56E-04	3.90E-04	5.37E-03	1.34E-02
GYK3	--	1.69E-02	--	--
GYK5	--	8.13E-04	--	--
GYT2	--	5.65E-03	--	--
GYT5	--	5.65E-03	--	--
GYT9	--	1.67E-03	--	--
HST37	1.14E-06	1.14E-06	7.99E-06	1.94E-05
HST38	1.14E-06	1.14E-06	7.99E-06	1.94E-05
HWT138	--	--	1.14E-06	
KYJ1	--	1.69E-02	--	--
LYK1	--	1.69E-02	--	--
NBT28	3.42E-06	2.28E-06	2.51E-05	6.28E-05
NGT305	4.57E-06	2.28E-06	3.20E-05	7.99E-05
NGT306	4.57E-06	2.28E-06	3.20E-05	7.99E-05
NGT307	--	3.46E-03	--	--
NYJ1	1.74E-02	8.97E-03	1.24E-01	3.08E-01
NYJ2	--	3.38E-02	--	--
NYT1	7.99E-06	4.57E-06	5.82E-05	1.47E-04
NYT2	--	5.65E-03	--	--
PEJ2	--	6.85E-04	6.85E-04	--

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STANDARD NO. 8 - TOXIC AIR POLLUTANTS EMISSION RATES (LBS/HR) TABLE 3				
STACK ID	Ethyl Benzene	Benzene	Toluene	m-Xylene
	100-41-4	71-43-2	108-88-3	108-38-3
SDT7	5.71E-06	3.42E-06	4.11E-05	1.03E-04
SDT8	5.71E-06	3.42E-06	4.11E-05	1.03E-04
ZDP91	--	2.63E-05	--	--

STANDARD NO. 8 - TOXIC AIR POLLUTANTS EMISSION RATES (LBS/HR) TABLE 4				
STACK ID	Chromium (+6) Compounds	Manganese Compounds	Mercury	Nickel
	N/A	N/A	7439-97-6	7440-02-0
GQJ1	6.63E-05	--	--	--
GVJ2	1.69E-05	--	--	8.17E-07
HSJ25	--	1.12E-01	--	--
HTP25	5.65E-02	5.65E-03	--	3.39E-02
HTP45	1.07E-02	1.07E-03	--	6.44E-03
HWP3	--	--	3.90E-02	--
NBJ28	--	5.76E-02	--	--
SDP1	--	3.42E-06	--	--
SDP7	--	7.53E-05	--	--
SDP9	--	1.14E-06	--	--

STANDARD NO. 8 - TOXIC AIR POLLUTANTS EMISSION RATES (LBS/HR) TABLE 5				
STACK ID	1,4-Dioxane	Formaldehyde	Hydrogen Sulfide	o-Xylene
	123-91-1	50-00-0	7783-06-4	95-47-6
DEJ2				1.85E-03
GEJ21	1.03E-02	--	--	--
GLJ3	--	1.92E-04	2.46E-02	--

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STANDARD NO. 8 - TOXIC AIR POLLUTANTS EMISSION RATES (LBS/HR) TABLE 6				
STACK ID	Formic Acid	Nickel Oxide	Oxalic Acid	Sodium Hydroxide
	64-18-6	1313-99-1	144-62-7	1310-73-2
HSL1	--	--	--	2.28E-01
HWP3	--	--	--	4.43E-02
HWP55	--	--	1.77E-02	--
HWT32	--	--	4.34E-05	--
HWT122	--	--	2.93E-03	--
JDP3	--	--	--	3.60E-03
SDJ1	--	3.99E-03	--	--
SDP7	1.46E-03	--	4.57E-15	--
SDP9	2.99E-03	--	1.47E-03	--
SDP19	2.15E-04	--	3.20E-05	--
SDP67	--	--	--	--
SDP107	--	2.50E-05	--	--
SDT35	9.58E-04	--	--	--
SDT36	9.53E-04	--	--	--
SDT43	1.13E-02	--	--	--
SDT46	1.47E-02	--	--	--
SDT47	--	--	1.77E-03	--

STANDARD NO. 8 - TOXIC AIR POLLUTANTS EMISSION RATES (LBS/HR) TABLE 7				
STACK ID	Nitric Acid	Vinyl Chloride	Vinylidene Chloride	Xylene
	7697-37-2	75-01-4	75-35-4	1330-20-7
FOP1	7.30E-02	--	--	--
FOP2	3.85E-04	--	--	--
DEJ2	--	1.15E-03	--	4.06E-03
GEJ21	--	9.27E-05	--	--
HSP2	37.22	--	--	--

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STANDARD NO. 8 - TOXIC AIR POLLUTANTS EMISSION RATES (LBS/HR) TABLE 7				
STACK ID	Nitric Acid	Vinyl Chloride	Vinylidene Chloride	Xylene
	7697-37-2	75-01-4	75-35-4	1330-20-7
HST36	8.33E-02	--	--	--
HWP55	2.10E-03	--	--	--
HWP57	6.08E-02	--	--	--
HWT6	6.85E-06	--	--	--
HWT32	3.84E-04	--	--	--
HWT115	1.83E-04	--	--	--
HWT132	9.23E-03	--	--	--
JDP2	1.50E-02	--	--	--
MEJ4	--	--	2.97E-03	--
PEJ1	--	--	6.85E-05	--
SDP7	1.16	--	--	--
SDP9	7.23E-03	--	--	--
SDP67	3.75E-03	--	--	--
SDT28	1.25E-02	--	--	--
SDT29	9.48E-03	--	--	--
ZDT55	2.08E-02	--	--	--

STANDARD NO. 8 - TOXIC AIR POLLUTANTS EMISSION RATES (LBS/HR) TABLE 8				
STACK ID	Methyl Chloroform	Methyl Ethyl Ketone	Methylene Chloride	Methyl-Isobutyl Ketone
	71-55-6	78-93-3	75-09-2	108-10-1
DEJ2	6.12E-06	6.62E-04	1.56E-03	3.61E-03
GEJ21	--	5.14E-04	5.46E-05	--
GLJ3	--	--	1.10E-01	--
GQJ1	--	--	1.59E-02	--
MEJ4	1.23E-02	--	--	--

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STANDARD NO. 8 - TOXIC AIR POLLUTANTS EMISSION RATES (LBS/HR) TABLE 8				
STACK ID	Methyl Chloroform	Methyl Ethyl Ketone	Methylene Chloride	Methyl-Isobutyl Ketone
	71-55-6	78-93-3	75-09-2	108-10-1
MEP11	2.85E-05	--	--	--
MEP2303	--	--	2.12E-02	--
ZDP91	--	2.44E-04	--	--

STANDARD NO. 8 - TOXIC AIR POLLUTANTS EMISSION RATES (LB/HR): Table 9				
Emission Point ID	Hexane	Hydrogen Cyanide	Methanol	--
	110-54-3	74-90-8	67-56-1	--
BVJ3	2.76E-02	--	--	--
BVT1	1.35E-04	--	--	--
CHIP	--	--	4.08E-04	--
DEJ2	1.97E-02	--	--	--
GLJ3	--	1.09E-03	--	--
GQJ1	--	1.12E-06	--	--
GVJ2	--	8.90E-03	--	--
JDP1	--	--	4.00E-03	--

STANDARD NO. 8 - TOXIC AIR POLLUTANTS EMISSION RATES (LB/HR): Table 10				
Emission Point ID	Tetrachloro-ethylene	Trichloro-ethylene	--	--
	127-18-4	79-01-6	--	--
AEJ1	2.60E-02	3.31E-02	--	--
AEJ2	2.06E-02	4.89E-02	--	--
AEJ3	2.06E-02	4.89E-02	--	--
AEJ4	2.06E-02	4.89E-02	--	--
AEJ5	2.06E-02	4.89E-02	--	--
AEJ6	2.06E-02	4.89E-02	--	--
AEJ7	2.06E-02	4.89E-02	--	--
AEJ8	2.06E-02	4.89E-02	--	--
AEJ9	2.06E-02	4.89E-02	--	--

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STANDARD NO. 8 - TOXIC AIR POLLUTANTS EMISSION RATES (LB/HR): Table 10				
Emission Point ID	Tetrachloro-ethylene	Trichloro-ethylene	--	--
	127-18-4	79-01-6	--	--
AEJ10	2.06E-02	4.89E-02	--	--
AEJ11	2.06E-02	4.89E-02	--	--
AEJ14	1.41E-02	9.89E-02	--	--
AEJ15	2.28E-02	6.60E-03	--	--
AEJ16	1.79E-02	9.18E-03	--	--
AGL1	2.56E-02	1.70E-01	--	--
CEP1	--	7.53E-03	--	--
DEJ2	1.73E-02	1.00E-03	--	--
GEJ13	--	2.35E-02	--	--
GEJ21	8.49E-05	1.05E-03	--	--
GEP1	1.64E-03	1.05E-01	--	--
GEP11	8.33E-04	5.94E-03	--	--
GEP12	4.68E-03	3.31E-02	--	--
GEP30	9.70E-01	2.67E-01	--	--
GEP32	4.06E-01	1.61E-01	--	--
GEP32A14	8.88E-01	3.02E-02	--	--
GET1	7.58E-03	3.54E-01	--	--
GLJ3	1.17E-04	--	--	--
MEJ1	3.17E-01	1.26E-01	--	--
MEJ4	5.02E-02	4.02E-02	--	--
MEJ6	1.26E-01	4.98E-02	--	--
MEJ7	4.57E-03	4.57E-02	--	--
MEJ8	1.286	3.65E-01	--	--
MEJ9	1.14E-01	1.81E-02	--	--
MEP9	4.57E-02	3.62E-02	--	--
MEP10	6.86E-04	1.25E-02	--	--
MEP11	3.58E-02	7.95E-04	--	--
MEP2303	6.722	2.937	--	--
PEJ1	1.60E-04	9.13E-05	--	--
PEJ2	1.30E-02	1.85E-02	--	--
TEJ2	1.49E-02	4.65E-02	--	--
ZDP91	2.28E-06	9.13E-06	--	--

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The following contains the Federal and South Carolina air pollution regulations and their applicability, as specified in the Part 70 permit application.

APPLICABILITY DETERMINATION		
Citation	Regulation	Applicable (Yes / No)
40 CFR 50	NATIONAL PRIMARY AND SECONDARY AMBIENT AIR QUALITY STANDARDS (NAAQS)	Y
40 CFR 51	REQUIREMENTS FOR PREPARATION, ADOPTION AND SUBMITTAL OF IMPLEMENTATION PLANS	N
40 CFR 52	APPROVAL AND PROMULGATION OF IMPLEMENTATION PLANS	N
40 CFR 53	AMBIENT AIR MONITORING REFERENCE AND EQUIVALENT METHODS	N
40 CFR 54	PRIOR NOTICE OF CITIZENS SUITS	N
40 CFR 55	OUTER CONTINENTAL SHELF AIR REGULATIONS	N
40 CFR 56	REGIONAL CONSISTENCY	N
40 CFR 57	PRIMARY NONFERROUS SMELTER ORDERS	N
40 CFR 58	AMBIENT AIR QUALITY SURVEILLANCE	N
40 CFR 59	NATIONAL VOLATILE ORGANIC COMPOUND EMISSION STANDARDS FOR CONSUMER AND COMMERCIAL PRODUCTS	N
40 CFR 60	STANDARDS OF PERFORMANCE FOR NEW STATIONARY SOURCES (NSPS)	Y
40 CFR 60, SUBPART A	GENERAL PROVISIONS	Y
40 CFR 60, SUBPART AA	STANDARDS OF PERFORMANCE FOR STEEL PLANTS: ELECTRIC ARC FURNACES CONSTRUCTED AFTER OCTOBER 21, 1974, AND ON OR BEFORE AUGUST 17, 1983	N
40 CFR 60, SUBPART AA (a)	STANDARDS OF PERFORMANCE FOR STEEL PLANTS: ELECTRIC ARC FURNACES AND ARGON-OXYGEN DECARBURIZATION VESSELS CONSTRUCTED AFTER AUGUST 7, 1983	N
40 CFR 60, SUBPART AAA	STANDARDS OF PERFORMANCE FOR NEW RESIDENTIAL WOOD HEATERS	N
40 CFR 60, SUBPART AAAA	STANDARDS OF PERFORMANCE FOR SMALL MUNICIPAL WASTE COMBUSTION UNITS FOR WHICH CONSTRUCTION IS COMMENCED AFTER AUGUST 30, 1999 OR FOR WHICH MODIFICATION OR RECONSTRUCTION IS COMMENCED AFTER JUNE 6, 2001	N
40 CFR 60, SUBPART B	ADOPTION AND SUBMITTAL OF STATE PLANS FOR DESIGNATED FACILITIES	N
40 CFR, SUBPART B (a)	ADOPTION AND SUBMITTAL OF STATE PLANS FOR DESIGNATED FACILITIES	N
40 CFR 60, SUBPART BB	STANDARDS OF PERFORMANCE FOR KRAFT PULP MILLS	N
40 CFR 60, SUBPART BB (a)	STANDARDS OF PERFORMANCE FOR KRAFT PULP MILLS	N

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Citation	Regulation	Applicable (Yes / No)
40 CFR 60, SUBPART BBB	STANDARDS OF PERFORMANCE FOR THE RUBBER TIRE MANUFACTURING INDUSTRY	N
40 CFR 60, SUBPART BBBB	EMISSION GUIDELINES AND COMPLIANCE TIMES FOR SMALL MUNICIPAL WASTE COMBUSTION UNITS CONSTRUCTED ON OR BEFORE AUGUST 30, 1999	N
40 CFR 60, SUBPART C	EMISSION GUIDELINES AND COMPLIANCE TIMES	N
40 CFR 60, SUBPART C (a)	STANDARDS OF PERFORMANCE RESERVED	N
40 CFR 60, SUBPART C (b)	EMISSIONS GUIDELINES AND COMPLIANCE TIMES FOR LARGE MUNICIPAL WASTE COMBUSTORS THAT ARE CONSTRUCTED ON OR BEFORE SEPTEMBER 20, 1994	N
40 CFR 60, SUBPART C (c)	EMISSION GUIDELINES AND COMPLIANCE TIMES FOR MUNICIPAL SOLID WASTE LANDFILLS	N
40 CFR 60, SUBPART C (d)	EMISSION GUIDELINES AND COMPLIANCE TIMES FOR SULFURIC ACID PRODUCTION UNITS	N
40 CFR 60, SUBPART C (e)	EMISSION GUIDELINES AND COMPLIANCE TIMES FOR HOSPITAL/MEDICAL/INFECTIOUS WASTE INCINERATORS	N
40 CFR 60, SUBPART C (f)	EMISSION GUIDELINES AND COMPLIANCE TIMES FOR MUNICIPAL SOLID WASTE LANDFILLS	N
40 CFR 60, SUBPART CC	STANDARDS OF PERFORMANCE FOR GLASS MANUFACTURING PLANTS	N
40 CFR 60, SUBPART CCC	STANDARDS OF PERFORMANCE - RESERVED	N
40 CFR 60, SUBPART CCCC	STANDARDS OF PERFORMANCE FOR COMMERCIAL AND INDUSTRIAL SOLID WASTE INCINERATION UNITS FOR WHICH CONSTRUCTION IS COMMENCED AFTER NOVEMBER 30, 1999 OR FOR WHICH MODIFICATION OR RECONSTRUCTION IS COMMENCED ON OR AFTER JUNE 1, 2001	N
40 CFR 60, SUBPART D	STANDARDS OF PERFORMANCE FOR FOSSIL-FUEL FIRED STEAM GENERATORS FOR WHICH CONSTRUCTION IS COMMENCED AFTER AUGUST 17, 1971	N
40 CFR 60, SUBPART D (a)	STANDARDS OF PERFORMANCE FOR ELECTRIC UTILITY STEAM GENERATING UNITS FOR WHICH CONSTRUCTION IS COMMENCED AFTER SEPTEMBER 18, 1978	N
40 CFR 60, SUBPART D (b)	STANDARDS OF PERFORMANCE FOR INDUSTRIAL-COMMERCIAL-INSTITUTIONAL STEAM GENERATING UNITS	N
40 CFR 60, SUBPART D (c)	STANDARDS OF PERFORMANCE FOR SMALL INDUSTRIAL-COMMERCIAL-INSTITUTIONAL STEAM GENERATING UNITS	Y
40 CFR 60, SUBPART DD	STANDARDS OF PERFORMANCE FOR GRAIN ELEVATORS	N

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Citation	Regulation	Applicable (Yes / No)
40 CFR 60, SUBPART DDD	STANDARDS OF PERFORMANCE FOR VOLATILE ORGANIC COMPOUND (VOC) EMISSIONS FROM THE POLYMER MANUFACTURING INDUSTRY	N
40 CFR 60, SUBPART DDDD	EMISSION GUIDLINES AND COMPLIANCE TIMES FOR COMMERCIAL AND INDUSTRIAL SOLID WASTE INCINERATION UNITS THAT COMMENCED CONSTRUCTION ON OR BEFORE NOVEMBER 30, 1999	N
40 CFR 60, SUBPART E	STANDARDS OF PERFORMANCE FOR INCINERATORS	N
40 CFR 60, SUBPART E (a)	STANDARDS OF PERFORMANCE FOR MUNICIPAL WASTE COMBUSTORS FOR WHICH CONSTRUCTION IS COMMENCED AFTER DECEMBER 20, 1989 AND ON OR BEFORE SEPTEMBER 20, 1994	N
40 CFR 60, SUBPART E (b)	STANDARDS OF PERFORMANCE FOR LARGE MUNICIPAL WASTE COMBUSTORS FOR WHICH CONSTRUCTION IS COMMENCED AFTER SEPTEMBER 20, 1994 OR FOR WHICH MODIFICATION OR RECONSTRUCTION IS COMMENCED AFTER JUNE 19, 1996	N
40 CFR 60, SUBPART E (c)	STANDARDS OF PERFORMANCE FOR HOSPITAL/MEDICAL/INFECTIOUS WASTE INCINERATORS FOR WHICH CONSTRUCTION IS COMMENCED AFTER JUNE 20, 1996	N
40 CFR 60, SUBPART EE	STANDARDS OF PERFORMANCE FOR SURFACE COATING OF METAL FURNITURE	N
40 CFR 60, SUBPART EEE	STANDARDS OF PERFORMANCE - RESERVED	N
40 CFR 60, SUBPART EEEE	STANDARDS OF PERFORMANCE FOR OTHER SOLID WASTE INCINERATION UNITS FOR WHICH CONSTRUCTION IS COMMENCED AFTER DECEMBER 9, 2004 OR FOR WHICH MODIFICATION OR RECONSTRUCTION IS COMMENCED ON OR AFTER JUNE 16, 2006	N
40 CFR 60, SUBPART F	STANDARDS OF PERFORMANCE FOR PORTLAND CEMENT PLANTS	N
40 CFR 60, SUBPART FF	STANDARDS OF PERFORMANCE - RESERVED	N
40 CFR 60, SUBPART FFF	STANDARDS OF PERFORMANCE FOR FLEXIBLE VINYL AND URETHANE COATING AND PRINTING	N
40 CFR 60, SUBPART FFFF	EMISSION GUIDLINES AND COMPLIANCE TIMES FOR OTHER SOLID WASTE INCINERATION UNITS THAT COMMENCED CONSTRUCTION ON OR BEFORE DECEMBER 9, 2004	N
40 CFR 60, SUBPART G	STANDARDS OF PERFORMANCE FOR NITRIC ACID PLANTS	N
40 CFR 60, SUBPART G (a)	STANDARDS OF PERFORMANCE FOR NITRIC ACID PLANTS FOR WHICH CONSTRUCTION, RECONSTRUCTION, OR MODIFICATION COMMENCED AFTER OCTOBER 14, 2011	N
40 CFR 60, SUBPART GG	STANDARDS OF PERFORMANCE FOR STATIONARY GAS TURBINES	N

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40 CFR 60, SUBPART GGG	STANDARDS OF PERFORMANCE FOR EQUIPMENT LEAKS OF VOC IN PETROLEUM REFINERIES FOR WHICH CONSTRUCTION, RECONSTRUCTION, OR MODIFICATION COMMENCED AFTER JANUARY 4, 1983 AND ON OR BEFORE NOVEMBER 7, 2006.	N
40 CFR 60, SUBPART GGG (a)	STANDARDS OF PERFORMANCE FOR EQUIPMENT LEAKS OF VOC IN PETROLEUM REFINERIES FOR WHICH CONSTRUCTION, RECONSTRUCTION, OR MODIFICATION COMMENCED AFTER NOVEMBER 7, 2006	N
40 CFR 60, SUBPART GGGG	STARNDARDS OF PERFORMANCE – RESERVED	N
40 CFR 60, SUBPART H	STANDARDS OF PERFORMANCE FOR SULFURIC ACID PLANTS	N
40 CFR 60, SUBPART HH	STANDARDS OF PERFORMANCE FOR LIME MANUFACTURING PLANTS	N
40 CFR 60, SUBPART HHH	STANDARDS OF PERFORMANCE FOR SYNTHETIC FIBER PRODUCTION FACILITIES	N
40 CFR 60, SUBPART HHHH	STANDARDS OF PERFORMANCE - RESERVED	N
40 CFR 60, SUBPART I	STANDARDS OF PERFORMANCE FOR HOT MIX ASPHALT FACILITIES	N
40 CFR 60, SUBPART II	STANDARDS OF PERFORMANCE - RESERVED	N
40 CFR 60, SUBPART III	STANDARDS OF PERFORMANCE FOR VOLATILE ORGANIC COMPOUND (VOC) EMISSIONS FROM THE SYNTHETIC ORGANIC CHEMICAL MANUFACTURING INDUSTRY (SOCMI) AIR OXIDATION UNIT PROCESSES	N
40 CFR 60, SUBPART IIII	STANDARDS OF PERFORMANCE FOR STATIONARY COMPRESSION IGNITION INTERNAL COMBUSTION ENGINES	Y
40 CFR 60, SUBPART J	STANDARDS OF PERFORMANCE FOR PETROLEUM REFINERIES	N
40 CFR 60, SUBPART J (a)	STANDARDS OF PERFORMANCE FOR PETROLEUM REFINERIES FOR WHICH CONSTRUCTION, RECONSTRUCTION OR MODIFICATION COMMENCED AFTER MAY 14, 2007	N
40 CFR 60, SUBPART JJ	STANDARDS OF PERFORMANCE - RESERVED	N
40 CFR 60, SUBPART JJJ	STANDARDS OF PERFORMANCE FOR PETROLEUM DRY CLEANERS	N
40 CFR 60, SUBPART JJJJ	STANDARDS OF PERFORMANCE FOR STATIONARY SPARK IGNITION INTERNAL COMBUSTION ENGINES	Y
40 CFR 60, SUBPART K	STANDARDS OF PERFORMANCE FOR STORAGE VESSELS FOR PETROLEM LIQUIDS FOR WHICH CONSTRUCTION, RECONSTRUCTION, OR MODIFICATION COMMENCED AFTER JUNE 11, 1973 AND PRIOR TO MAY 19, 1978	N

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40 CFR 60, SUBPART K (a)	STANDARDS OF PERFORMANCE FOR STORAGE VESSELS FOR PETROLEUM LIQUIDS FOR WHICH CONSTRUCTION, RECONSTRUCTION, OR MODIFICATION COMMENCED AFTER MAY 18, 1978 AND PRIOR TO JULY 23, 1984	N
40 CFR 60, SUBPART K (b)	STANDARDS OF PERFORMANCE FOR VOLATILE ORGANIC LIQUID STORAGE VESSELS (INCLUDING PETROLEUM LIQUID STORAGE VESSELS) FOR WHICH CONSTRUCTION, RECONSTRUCTION, OR MODIFICATION COMMENCED AFTER JULY 23, 1984	N
40 CFR 60, SUBPART KK	STANDARDS OF PERFORMANCE FOR LEAD-ACID BATTERY MANUFACTURING PLANTS	N
40 CFR 60, SUBPART KKK	STANDARDS OF PERFORMANCE FOR EQUIPMENT LEAKS OF VOC FROM ONSHORE NATURAL GAS PROCESSING PLANTS	N
40 CFR 60, SUBPART KKKK	STANDARDS OF PERFORMANCE FOR STATIONARY COMBUSTION TURBINES	N
40 CFR 60, SUBPART L	STANDARDS OF PERFORMANCE FOR SECONDARY LEAD SMELTERS	N
40 CFR 60, SUBPART LL	STANDARDS OF PERFORMANCE FOR METALLIC MINERAL PROCESSING PLANTS	N
40 CFR 60, SUBPART LLL	STANDARDS OF PERFORMANCE FOR ONSHORE NATURAL GAS PROCESSING: SO ₂ EMISSIONS	N
40 CFR 60, SUBPART LLLL	STANDARDS OF PERFORMANCE FOR NEW SLUDGE INCINERATION UNITS	N
40 CFR 60, SUBPART M	STANDARDS OF PERFORMANCE FOR SECONDARY BRASS AND BRONZE PRODUCTION PLANTS	N
40 CFR 60, SUBPART MM	STANDARDS OF PERFORMANCE FOR AUTOMOBILE AND LIGHT-DUTY TRUCK SURFACE COATING OPERATIONS	N
40 CFR 60, SUBPART MMM	STANDARDS OF PERFORMANCE - RESERVE	N
40 CFR 60, SUBPART MMMM	EMISSION GUIDELINES AND COMPLIANCE TIMES FOR EXISTING SEWAGE SLUDGE INCINERATION UNITS	N
40 CFR 60, SUBPART N	STANDARDS OF PERFORMANCE FOR PRIMARY EMISSIONS FROM BASIC OXYGEN PROCESS FURNACES FOR WHICH CONSTRUCTION IS COMMENCED AFTER JUNE 11, 1973	N
40 CFR 60, SUBPART N (a)	STANDARDS OF PERFORMANCE FOR SECONDARY EMISSIONS FROM BASIC OXYGEN PROCESS STEELMAKING FACILITIES FOR WHICH CONSTRUCTION IS COMMENCED AFTER JANUARY 20, 1983	N
40 CFR 60, SUBPART NN	STANDARDS OF PERFORMANCE FOR PHOSPHATE ROCK PLANTS	N

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Citation	Regulation	Applicable (Yes / No)
40 CFR 60, SUBPART NNN	STANDARDS OF PERFORMANCE FOR VOLATILE ORGANIC COMPOUND (VOC) EMISSIONS FROM SYNTHETIC ORGANIC CHEMICAL MANUFACTURING INDUSTRY (SOCMI) DISTILLATION OPERATIONS	N
40 CFR 60, SUBPART O	STANDARDS OF PERFORMANCE FOR SEWAGE TREATMENT PLANTS	N
40 CFR 60, SUBPART OO	STANDARDS OF PERFORMANCE - RESERVED	N
40 CFR 60, SUBPART OOO	STANDARDS OF PERFORMANCE FOR NONMETALLIC MINERAL PROCESSING PLANTS	N
40 CFR 60, SUBPART OOOO	STANDARDS OF PERFORMANCE FOR CRUDE OIL AND NATURAL GAS PRODUCTION, TRANSMISSION AND DISTRIBUTION FOR WHICH CONSTRUCTION, MODIFICATION OR RECONSTRUCTION COMMENCED AFTER AUGUST 23, 2011, AND ON OR BEFORE SEPTEMBER 18, 2015	N
40 CFR 60, SUBPART OOOO (a)	STANDARDS OF PERFORMANCE FOR CRUDE OIL AND NATURAL GAS PRODUCTION, TRANSMISSION AND DISTRIBUTION FOR WHICH CONSTRUCTION, MODIFICATION OR RECONSTRUCTION COMMENCED AFTER SEPTEMBER 18, 2015	N
40 CFR 60, SUBPART P	STANDARDS OF PERFORMANCE FOR PRIMARY COPPER SMELTERS	N
40 CFR 60, SUBPART PP	STANDARDS OF PERFORMANCE FOR AMMONIUM SULFATE MANUFACTURE FACILITIES	N
40 CFR 60, SUBPART PPP	STANDARDS OF PERFORMANCE FOR WOOL FIBERGLASS INSULATION MANUFACTURING PLANTS	N
40 CFR 60, SUBPART PPPP	STANDARDS OF PERFORMANCE - RESERVED	N
40 CFR 60, SUBPART Q	STANDARDS OF PERFORMANCE FOR PRIMARY ZINC SMELTERS	N
40 CFR 60, SUBPART QQ	STANDARDS OF PERFORMANCE FOR THE GRAPHIC ARTS INDUSTRY: PUBLICATION ROTOGRAVURE PRINTING	N
40 CFR 60, SUBPART QQQ	STANDARDS OF PERFORMANCE FOR VOC EMISSIONS FROM PETROLEUM REFINERY WASTEWATER SYSTEMS	N
40 CFR 60, SUBPART QQQQ	STANDARDS OF PERFORMANCE FOR NEW RESIDENTIAL HYDRONIC HEATERS AND FORCED-AIR FURNACES	N
40 CFR 60, SUBPART R	STANDARDS OF PERFORMANCE FOR PRIMARY LEAD SMELTERS	N
40 CFR 60, SUBPART RR	STANDARDS OF PERFORMANCE FOR PRESSURE SENSITIVE TAPE AND LABEL SURFACE COATING OPERATIONS	N
40 CFR 60, SUBPART RRR	STANDARDS OF PERFORMANCE FOR VOLATILE ORGANIC COMPOUND EMISSIONS FROM SYNTHETIC ORGANIC CHEMICAL MANUFACTURING INDUSTRY (SOCMI) REACTOR PROCESSES	N
40 CFR 60, SUBPART RRRR	STANDARDS OF PERFORMANCE - RESERVED	N

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40 CFR 60, SUBPART S	STANDARDS OF PERFORMANCE FOR PRIMARY ALUMINUM REDUCTION PLANTS	N
40 CFR 60, SUBPART SS	STANDARDS OF PERFORMANCE FOR INDUSTRIAL SURFACE COATING: LARGE APPLIANCES	N
40 CFR 60, SUBPART SSS	STANDARDS OF PERFORMANCE FOR MAGNETIC TAPE COATING FACILITIES	N
40 CFR 60, SUBPART SSSS	STANDARDS OF PERFORMANCE - RESERVED	N
40 CFR 60, SUBPART T	STANDARDS OF PERFORMANCE FOR THE PHOSPHATE FERTILIZER INDUSTRY: WET-PROCESS PHOSPHORIC ACID PLANTS	N
40 CFR 60, SUBPART TT	STANDARDS OF PERFORMANCE FOR METAL COIL SURFACE COATING	N
40 CFR 60, SUBPART TTT	STANDARDS OF PERFORMANCE FOR INDUSTRIAL SURFACE COATING: SURFACE COATING OF PLASTIC PARTS FOR BUSINESS MACHINES	N
40 CFR 60, SUBPART TTTT	STANDARDS OF PERFORMANCE FOR GREENHOUSE GAS EMISSIONS FOR ELECTRIC GENERATING UNITS	N
40 CFR 60, SUBPART U	STANDARDS OF PERFORMANCE FOR THE PHOSPHATE FERTILIZER INDUSTRY: SUPERPHOSPHORIC ACID PLANTS	N
40 CFR 60, SUBPART UU	STANDARDS OF PERFORMANCE FOR ASPHALT PROCESSING AND ASPHALT ROOFING MANUFACTURE	N
40 CFR 60, SUBPART UUU	STANDARDS OF PERFORMANCE FOR CALCINERS AND DRYERS IN MINERAL INDUSTRIES	N
40 CFR 60, SUBPART UUUU	STANDARDS OF PERFORMANCE - RESERVED	N
40 CFR 60, SUBPART UUUU (a)	EMISSION GUIDELINES FOR GREENHOUSE GAS EMISSIONS FROM EXISTING ELECTRIC UTILITY GENERATING UNITS	N
40 CFR 60, SUBPART V	STANDARDS OF PERFORMANCE FOR THE PHOSPHATE FERTILIZER INDUSTRY: DIAMMONIUM PHOSPHATE PLANTS	N
40 CFR 60, SUBPART VV	STANDARDS OF PERFORMANCE FOR EQUIPMENT LEAKS OF VOC IN THE SYNTHETIC ORGANIC CHEMICALS MANUFACTURING INDUSTRY FOR WHICH CONSTRUCTION, RECONSTRUCTION, OR MODIFICATION COMMENCED AFTER JANUARY 5, 1981 AND ON OR BEFORE NOVEMBER 7, 2006	N
40 CFR 60, SUBPART VV (a)	STANDARDS OF PERFORMANCE FOR EQUIPMENT LEAKS OF VOC IN THE SYNTHETIC ORGANIC CHEMICALS MANUFACTURING INDUSTRY FOR WHICH CONSTRUCTION, RECONSTRUCTION, OR MODIFICATION COMMENCED AFTER NOVEMBER 7, 2006	N
40 CFR 60, SUBPART VVV	STANDARDS OF PERFORMANCE FOR POLYMERIC COATING OF SUPPORTING SUBSTRATES FACILITIES	N

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40 CFR 60, SUBPART W	STANDARDS OF PERFORMANCE FOR THE PHOSPHATE FERTILIZER INDUSTRIES: TRIPLE SUPERPHOSPHATE PLANTS	N
40 CFR 60, SUBPART WW	STANDARDS OF PERFORMANCE FOR THE BEVERAGE CAN SURFACE COATING INDUSTRY	N
40 CFR 60, SUBPART WWW	STANDARDS OF PERFORMANCE FROM MUNICIPAL SOLID WASTE LANDFILLS	N
40 CFR 60, SUBPART X	STANDARDS OF PERFORMANCE FOR THE PHOSPHATE FERTILIZER INDUSTRY: GRANULAR TRIPLE SUPERPHOSPHATE STORAGE FACILITIES	N
40 CFR 60, SUBPART XX	STANDARDS OF PERFORMANCE FOR BULK GASOLINE TERMINALS	N
40 CFR 60, SUBPART XXX	STANDARDS OF PERFORMANCE FOR MUNICIPAL SOLID WASTE LANDFILLS THAT COMMENCED CONSTRUCTION, RECONSTRUCTION, OR MODIFICATION AFTER JULY 17, 2014	N
40 CFR 60, SUBPART Y	STANDARDS OF PERFORMANCE FOR COAL PREPARATION PLANTS	N
40 CFR 60, SUBPART YY	STANDARDS OF PERFORMANCE - RESERVED	N
40 CFR 60, SUBPART YYY	STANDARDS OF PERFORMANCE - RESERVED	N
40 CFR 60, SUBPART Z	STANDARDS OF PERFORMANCE FOR FERROALLOY PRODUCTION FACILITIES	N
40 CFR 60, SUBPART ZZ	STANDARDS OF PERFORMANCE - RESERVED	N
40 CFR 60, SUBPART ZZZ	STANDARDS OF PERFORMANCE - RESERVED	N
40 CFR 61	NATIONAL EMISSION STANDARD FOR HAZARDOUS AIR POLLUTANTS	Y
40 CFR 61, SUBPART A	GENERAL PROVISIONS	Y
40 CFR 61, SUBPART AA	RESERVED	N
40 CFR 61, SUBPART B	NATIONAL EMISSION STANDARDS FOR RADON EMISSIONS FROM UNDERGROUND URANIUM MINES	N
40 CFR 61, SUBPART BB	NATIONAL EMISSION STANDARDS FOR BENZENE EMISSIONS FROM BENZENE TRANSFER OPERATIONS	N
40 CFR 61, SUBPART C	NATIONAL EMISSION STANDARDS FOR BERYLLIUM	N
40 CFR 61, SUBPART CC	RESERVED	N
40 CFR 61, SUBPART D	NATIONAL EMISSION STANDARDS FOR BERYLLIUM ROCKET MOTOR FIRING	N
40 CFR 61, SUBPART DD	RESERVED	N
40 CFR 61, SUBPART E	NATIONAL EMISSION STANDARDS FOR MERCURY	N
40 CFR 61, SUBPART EE	RESERVED	N
40 CFR 61, SUBPART F	NATIONAL EMISSION STANDARDS FOR VINYL CHLORIDE	N
40 CFR 61, SUBPART FF	NATIONAL EMISSION STANDARDS FOR BENZENE WASTE OPERATIONS	N

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40 CFR 61, SUBPART G	RESERVED	N
40 CFR 61, SUBPART H	NATIONAL EMISSION STANDARDS FOR EMISSIONS OF RADIONUCLIDES OTHER THAN RADON FROM DEPARTMENT OF ENERGY FACILITIES	Y
40 CFR 61, SUBPART I	NATIONAL EMISSION STANDARDS FOR RADIONUCLIDES EMISSIONS FROM FEDERAL FACILITIES OTHER THAN NUCLEAR REGULATORY COMMISSION LICENSEES AND NOT COVERED BY SUBPART H	N
40 CFR 61, SUBPART J	NATIONAL EMISSION STANDARDS FOR EQUIPMENT LEAKS (FUGITIVE EMISSION SOURCES) OF BENZENE	N
40 CFR 61, SUBPART K	NATIONAL EMISSION STANDARDS FOR RADIONUCLIDE EMISSIONS FROM ELEMENTAL PHOSPHORUS PLANTS	N
40 CFR 61, SUBPART L	NATIONAL EMISSION STANDARDS FOR BENZENE EMISSIONS FROM COKE BY-PRODUCT RECOVERY PLANTS	N
40 CFR 61, SUBPART M	NATIONAL EMISSION STANDARDS FOR ASBESTOS	Y
40 CFR 61, SUBPART N	NATIONAL EMISSION STANDARDS FOR INORGANIC ARSENIC EMISSIONS FROM GLASS MANUFACTURING PLANTS	N
40 CFR 61, SUBPART O	NATIONAL EMISSION STANDARDS FOR INORGANIC ARSENIC EMISSIONS FROM PRIMARY COPPER SMELTERS	N
40 CFR 61, SUBPART P	NATIONAL EMISSION STANDARDS FOR INORGANIC ARSENIC EMISSIONS FROM ARSENIC TRIOXIDE AND METALLIC ARSENIC PRODUCTION FACILITIES	N
40 CFR 61, SUBPART Q	NATIONAL EMISSION STANDARDS FOR RADON EMISSIONS FROM DEPARTMENT OF ENERGY FACILITIES	N
40 CFR 61, SUBPART R	NATIONAL EMISSION STANDARDS FOR RADON EMISSIONS FROM PHOSPHOGYPSUM STACKS	N
40 CFR 61, SUBPART S	RESERVED	N
40 CFR 61, SUBPART T	NATIONAL EMISSION STANDARDS FOR RADON EMISSIONS FROM THE DISPOSAL OF URANIUM MILL TAILINGS	N
40 CFR 61, SUBPART U	RESERVED	N
40 CFR 61, SUBPART V	NATIONAL EMISSION STANDARDS FOR EQUIPMENT LEAKS (FUGITIVE EMISSION SOURCES)	N
40 CFR 61, SUBPART W	NATIONAL EMISSION STANDARDS FOR RADON EMISSIONS FROM OPERATING MILL TAILINGS	N
40 CFR 61, SUBPART X	RESERVED	N
40 CFR 61, SUBPART Y	NATIONAL EMISSION STANDARDS FOR BENZENE EMISSIONS FROM BENZENE STORAGE VESSELS	N
40 CFR 61, SUBPART Z	RESERVED	N

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40 CFR 63	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORIES (NESHAP)	Y
40 CFR 63, SUBPART A	GENERAL PROVISIONS	Y
40 CFR 63, SUBPART AA	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FROM PHOSPHORIC ACID MANUFACTURING PLANTS	N
40 CFR 63, SUBPART AAA	RESERVED	N
40 CFR 63, SUBPART AAAA	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS: MUNICIPAL SOLID WASTE LANDFILLS	N
40 CFR 63, SUBPART AAAAA	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR LIME MANUFACTURING PLANTS	N
40 CFR 63, SUBPART AAAAAA	RESERVED	N
40 CFR 63, SUBPART AAAAAAA	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR AREA SOURCES: ASPHALT PROCESSING AND ASPHALT ROOFING MANUFACTURING	N
40 CFR 63, SUBPART B	REQUIREMENTS FOR CONTROL TECHNOLOGY DETERMINATIONS FOR MAJOR SOURCES IN ACCORDANCE WITH CLEAN AIR ACT SECTIONS 112(G) AND 112(J)	Y
40 CFR 63, SUBPART BB	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FROM PHOSPHATE FERTILIZERS PRODUCTION PLANTS	N
40 CFR 63, SUBPART BBB	RESERVED	N
40 CFR 63, SUBPART BBBB	RESERVED	N
40 CFR 63, SUBPART BBBBB	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SEMICONDUCTOR MANUFACTURING	N
40 CFR 63, SUBPART BBBBBB	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORY: GASOLINE DISTRIBUTION BULK TERMINALS, BULK PLANTS, PIPELINE FACILITIES AND GASOLINE DISPENSING FACILITIES	N
40 CFR 63, SUBPART BBBBBBBB	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR AREA SOURCES: CHEMICAL PREPARATIONS INDUSTRY	N
40 CFR 63, SUBPART C	LIST OF HAZARDOUS AIR POLLUTANTS, PETITION PROCESS, LESSER QUANTITY DESIGNATIONS, SOURCE CATEGORY LIST	Y
40 CFR 63, SUBPART CC	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FROM PETROLEUM REFINERIES	N
40 CFR 63, SUBPART CCC	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR STLE PICKLING-HCL PROCESS FACILITIES AND HYDROCHLORIC ACID REGENERATION PLANTS	N

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40 CFR 63, SUBPART CCCC	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS: MANUFACTURING OF NUTRITIONAL YEAST	N
40 CFR 63, SUBPART CCCCC	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR COKE OVENS: PUSHING, QUENCHING, AND BATTERY STACKS	N
40 CFR 63, SUBPART CCCCCC	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORY: GASOLINE DISPENSING FACILITIES	N
40 CFR 63, SUBPART CCCCCC	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR AREA SOURCES: PAINTS AND ALLIED PRODUCTS MANUFACTURING	N
40 CFR 63, SUBPART D	REGULATIONS GOVERNING COMPLIANCE EXTENSIONS FOR EARLY REDUCTIONS OF HAZARDOUS AIR POLLUTANTS	N
40 CFR 63 DD	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FROM OFF-SITE WASTE AND RECOVERY OPERATIONS	N
40 CFR 63, SUBPART DDD	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR MINERAL WOOL PRODUCTION	N
40 CFR 63, SUBPART DDDD	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS: PLYWOOD AND COMPOSITE WOOD PRODUCTS	N
40 CFR 63, SUBPART DDDDD	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR INDUSTRIAL, COMMERCIAL, AND INSTITUTIONAL BOILERS AND PROCESS HEATERS	Y
40 CFR 63, SUBPART DDDDDD	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR POLYVINYL CHLORIDE AND COPOLYMERS PRODUCTION AREA SOURCES	N
40 CFR 63, SUBPART DDDDDDD	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR AREA SOURCES: PREPARED FEEDS MANUFACTURING	N
40 CFR 63, SUBPART E	APPROVAL OF STATE PROGRAMS AND DELEGATION OF FEDERAL AUTHORITIES	N
40 CFR 63, SUBPART EE	NATIONAL EMISSION STANDARDS FOR MAGNETIC TAPE MANUFACTURING OPERATIONS	N
40 CFR 63, SUBPART EEE	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FROM HAZARDOUS WASTE COMBUSTORS	N
40 CFR 63, SUBPART EEEE	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS: ORGANIC LIQUIDS DISTRIBUTION (NON-GASOLINE)	N
40 CFR 63, SUBPART EEEEE	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR IRON AND STEEL FOUNDRIES	N

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40 CFR 63, SUBPART EEEEEEE	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR PRIMARY COPPER SMELTING AREA SOURCES	N
40 CFR 63, SUBPART EEEEEEE	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS: GOLD MINE ORE PROCESSING AND PRODUCTION AREA SOURCE CATEGORY	N
40 CFR 63, SUBPART F	NATIONAL EMISSION STANDARDS FOR ORGANIC HAZARDOUS AIR POLLUTANTS FROM THE SYNTHETIC ORGANIC CHEMICAL MANUFACTURING INDUSTRY	N
40 CFR 63, SUBPART FF	RESERVED	N
40 CFR 63, SUBPART FFF	RESERVED	N
40 CFR 63, SUBPART FFFF	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS: MISCELLANEOUS ORGANIC CHEMICAL MANUFACTURING	N
40 CFR 63, SUBPART FFFFF	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR INTEGRATED IRON AND STEEL MANUFACTURING FACILITIES	N
40 CFR 63, SUBPART FFFFFF	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SECONDARY COPPER SMELTING AREA SOURCES	N
40 CFR 63, SUBPART FFFFFFF	RESERVED	N
40 CFR 63, SUBPART G	NATIONAL EMISSION STANDARDS FOR ORGANIC HAZARDOUS AIR POLLUTANTS FROM THE SYNTHETIC ORGANIC CHEMICAL MANUFACTURING INDUSTRY FOR PROCESS VENTS, STORAGE VESSELS, TRANSFER OPERATIONS, AND WASTEWATER	N
40 CFR 63, SUBPART GG	NATIONAL EMISSION STANDARDS FOR AEROSPACE MANUFACTURING AND REWORK FACILITIES	N
40 CFR 63, SUBPART GGG	NATIONAL EMISSION STANDARDS FOR PHARMACEUTICALS PRODUCTION	N
40 CFR 63, SUBPART GGGG	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS: SOLVENT EXTRACTION FOR VEGETABLE OIL PRODUCTION	N
40 CFR 63, SUBPART GGGGG	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS: SITE REMEDIATION	N
40 CFR 63, SUBPART GGGGGG	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR PRIMARY NONFERROUS METALS AREA SOURCES – ZINC, CADMIUM, AND BERYLLIUM	N
40 CFR 63, SUBPART GGGGGGG	RESERVED	N
40 CFR 63, SUBPART H	NATIONAL EMISSION STANDARDS FOR ORGANIC HAZARDOUS AIR POLLUTANTS FOR EQUIPMENT LEAKS	N

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40 CFR 63, SUBPART HH	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FROM OIL AND NATURAL GAS PRODUCTION FACILITIES	N
40 CFR 63, SUBPART HHH	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FROM NATURAL GAS TRANSMISSIONS AND STORAGE FACILITIES	N
40 CFR 63, SUBPART HHHH	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR WET-FORMED FIBERGLASS MAT PRODUCTION	N
40 CFR 63, SUBPART HHHHH	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS: MISCELLANEOUS COATING MANUFACTURING	N
40 CFR 63, SUBPART HHHHHH	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS; PAINT STRIPPING AND MISCELLANEOUS SURFACE COATING OPERATIONS AT AREA SOURCES	N
40 CFR 63, SUBPART HHHHHHH	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS EMISSIONS FOR POLYVINYL CHLORIDE AND COPOLYMERS PRODUCTION	N
40 CFR 63, SUBPART I	NATIONAL EMISSION STANDARDS FOR ORGANIC HAZARDOUS AIR POLLUTANTS FOR CERTAIN PROCESSES SUBJECT TO THE NEGOTIATED REGULATION FOR EQUIPMENT LEAKS	N
40 CFR 63, SUBPART II	NATIONAL EMISSION STANDARDS FOR SHIPBUILDING AND SHIP REPAIR (SURFACE COATING)	N
40 CFR 63, SUBPART III	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR FLEXIBLE POLYURETHANE FOAM PRODUCTION	N
40 CFR 63, SUBPART IIII	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS: SURFACE COATING OF AUTOMOBILES AND LIGHT DUTY TRUCKS	N
40 CFR 63, SUBPART IIIII	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS: MERCURY EMISSIONS FROM MERCURY CELL CHLOR-ALKALI PLANTS	N
40 CFR 63, SUBPART IIIIII	RESERVED	N
40 CFR 63, SUBPART J	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR POLYVINYL CHLORIDE AND COPOLYMERS PRODUCTION	N
40 CFR 63, SUBPART JJ	NATIONAL EMISSION STANDARDS FOR WOOD FURNITURE MANUFACTURING OPERATIONS	N
40 CFR 63, SUBPART JJJ	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANT EMISSIONS: GROUP IV POLYMERS AND RESINS	N

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40 CFR 63, SUBPART JJJJ	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS: PAPER AND OTHER WEB COATING	N
40 CFR 63, SUBPART JJJJJ	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR BRICK AND STRUCTURAL CLAY PRODUCTS MANUFACTURING	N
40 CFR 63, SUBPART JJJJJJ	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR INDUSTRIAL, COMMERCIAL, AND INSTITUTIONAL BOILERS AT AREA SOURCES	N
40 CFR 63, SUBPART K	RESERVED	N
40 CFR 63, SUBPART KK	NATIONAL EMISSION STANDARDS FOR THE PRINTING AND PUBLISHING INDUSTRY	N
40 CFR 63, SUBPART KKK	RESERVED	N
40 CFR 63, SUBPART KKKK	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS: SURFACE COATING OF METAL CANS	N
40 CFR 63, SUBPART KKKKK	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR CLAY CERAMICS MANUFACTURING	N
40 CFR 63, SUBPART KKKKKK	RESERVED	N
40 CFR 63, SUBPART L	NATIONAL EMISSION STANDARDS FOR COKE OVEN BATTERIES	N
40 CFR 63, SUBPART LL	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR PRIMARY ALUMINUM REDUCTION PLANTS	N
40 CFR 63, SUBPART LLL	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FROM THE PORTLAND CEMENT MANUFACTURING INDUSTRY	N
40 CFR 63, SUBPART LLLL	RESERVED	N
40 CFR 63, SUBPART LLLLL	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS: ASPHALT PROCESSING AND ASPHALT ROOFING MANUFACTURING	N
40 CFR 63, SUBPART LLLLLL	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR ACRYLIC AND MODACRYLIC FIBER PRODUCTION AREA SOURCES	N
40 CFR 63, SUBPART M	NATIONAL PERCHLOROETHYLENE AIR EMISSION STANDARD FOR DRY CLEANING FACILITIES	N
40 CFR 63, SUBPART MM	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR CHEMICAL RECOVERY COMBUSTION SOURCES AT KRAFT, SODA, SULFITE AND STAND-ALONE SEMICHEMICAL PULP MILLS	N
40 CFR 63, SUBPART MMM	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR PESTICIDE ACTIVE INGREDIENT PRODUCTION	N

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40 CFR 63, SUBPART MMMM	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SURFACE COATING OF MISCELLANEOUS METAL PARTS AND PRODUCTS	N
40 CFR 63, SUBPART MMMMM	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS: FLEXIBLE POLYURETHANE FOAM FABRICATION OPERATIONS	N
40 CFR 63, SUBPART MMMMMM	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR CARBON BLACK PRODUCTION AREA SOURCES	N
40 CFR 63, SUBPART N	NATIONAL EMISSION STANDARDS FOR CHROMIUM EMISSIONS FROM HARD AND DECORATIVE CHROMIUM ELECTROPLATING AND CHROMIUM ANODIZING TANKS	N
40 CFR 63, SUBPART NN	RESERVED	N
40 CFR 63, SUBPART NNN	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR WOOD FIBER GLASS MANUFACTURING	N
40 CFR 63, SUBPART NNNN	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS: SURFACE COATING OF LARGE APPLIANCES	N
40 CFR 63, SUBPART NNNNN	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS: HYDROCHLORIC ACID PRODUCTION	N
40 CFR 63, SUBPART NNNNNN	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR CHEMICAL MANUFACTURING AREA SOURCES: CHROMIUM COMPOUNDS	N
40 CFR 63, SUBPART O	ETHYLENE OXIDE EMISSION STANDARDS FOR STERILIZATION FACILITIES	N
40 CFR 63, SUBPART OO	NATIONAL EMISSION STANDARDS FOR TANKS-LEVEL 1	N
40 CFR 63, SUBPART OOO	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANT EMISSIONS: MANUFACTURE OF AMINO/PHENOLIC RESINS	N
40 CFR 63, SUBPART OOOO	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS: PRINTING, COATING, AND DYEING OF FABRICS AND OTHER TEXTILES	N
40 CFR 63, SUBPART OOOOO	RESERVED	N
40 CFR 63, SUBPART OOOOOO	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR FLEXIBLE POLYURETHANE FOAM PRODUCTION AND FABRICATION AREA SOURCES	N
40 CFR 63, SUBPART P	RESERVED	N
40 CFR 63, SUBPART PP	NATIONAL EMISSION STANDARDS FOR CONTAINERS	N
40 CFR 63, SUBPART PPP	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANT EMISSIONS FOR POLYETHER POLYOLS PRODUCTION	N

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40 CFR 63, SUBPART PPPP	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SURFACE COATING OF PLASTIC PARTS AND PRODUCTS	N
40 CFR 63, SUBPART PPPPP	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR ENGINE TEST CELLS/STANDS	N
40 CFR 63, SUBPART PPPPPP	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR LEAD ACID BATTERY MANUFACTURING AREA SOURCES	N
40 CFR 63, SUBPART Q	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR INDUSTRIAL PROCESS COOLING TOWERS	N
40 CFR 63, SUBPART QQ	NATIONAL EMISSION STANDARDS FOR SURFACE IMPOUNDMENTS	N
40 CFR 63, SUBPART QQQ	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR PRIMARY COPPER SMELTING	N
40 CFR 63, SUBPART QQQQ	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS: SURFACE COATING OF WOOD BUILDING PRODUCTS	N
40 CFR 63, SUBPART QQQQQ	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR FRICTION MATERIALS MANUFACTURING FACILITIES	N
40 CFR 63, SUBPART QQQQQQ	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR WOOD PRESERVING AREA SOURCES	N
40 CFR 63, SUBPART R	NATIONAL EMISSION STANDARDS FOR GASOLINE DISTRIBUTION FACILITIES (BULK GASOLINE TERMINALS AND PIPELINE BREAKOUT STATIONS)	N
40 CFR 63, SUBPART RR	NATIONAL EMISSION STANDARDS FOR INDIVIDUAL DRAIN SYSTEMS	N
40 CFR 63, SUBPART RRR	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SECONDARY ALUMINUM PRODUCTION	N
40 CFR 63, SUBPART RRRR	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS: SURFACE COATING OF METAL FURNITURE	N
40 CFR 63, SUBPART RRRRR	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS: TACONITE IRON ORE PROCESSING	N
40 CFR 63, SUBPART RRRRRR	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR CLAY CERAMICS MANUFACTURING AREA SOURCES	N
40 CFR 63, SUBPART S	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FROM THE PULP AND PAPER INDUSTRY	N
40 CFR 63, SUBPART SS	NATIONAL EMISSION STANDARDS FOR CLOSED VENT SYSTEMS, CONTROL DEVICES, RECOVERY DEVICES AND ROUTING TO A FUEL GAS SYSTEM OR A PROCESS	N

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40 CFR 63, SUBPART SSS	RESERVED	N
40 CFR 63, SUBPART SSSS	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS: SURFACE COATING OF METAL COIL	N
40 CFR 63, SUBPART SSSSS	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR REFRACTORY PRODUCTS MANUFACTURING	N
40 CFR 63, SUBPART SSSSSS	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR GLASS MANUFACTURING AREA SOURCES	N
40 CFR 63, SUBPART T	NATIONAL EMISSION STANDARDS FOR HALOGENATED SOLVENT CLEANING	N
40 CFR 63, SUBPART TT	NATIONAL EMISSION STANDARDS FOR EQUIPMENT LEAKS-CONTROL LEVEL 1	N
40 CFR 63, SUBPART TTT	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR PRIMARY LEAD SMELTING	N
40 CFR 63, SUBPART TTTT	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR LEATHER FINISHING OPERATIONS	N
40 CFR 63, SUBPART TTTTT	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR PRIMARY MAGNESIUM REFINING	N
40 CFR 63, SUBPART TTTTTT	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR GLASS MANUFACTURING AREA SOURCES	N
40 CFR 63, SUBPART U	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANT EMISSIONS: GROUP I POLYMERS AND RESINS	N
40 CFR 63, SUBPART UU	NATIONAL EMISSION STANDARDS FOR EQUIPMENT LEAKS-CONTROL LEVEL 2 STANDARDS	N
40 CFR 63, SUBPART UUU	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR PETROLEUM REFINERIES: CATALYTIC CRACKING UNITS, CATALYTIC REFORMING UNITS, AND SULFUR RECOVERY UNITS	N
40 CFR 63, SUBPART UUUU	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR CELLULOSE PRODUCTS MANUFACTURING	N
40 CFR 63, SUBPART UUUUU	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS: COAL AND OIL-FIRED ELECTRIC UTILITY STEAM GENERATING UNITS	N
40 CFR 63, SUBPART UUUUUU	RESERVED	N
40 CFR 63, SUBPART V	RESERVED	N
40 CFR 63, SUBPART VV	NATIONAL EMISSION STANDARDS FOR OIL-WATER SEPARATORS AND ORGANIC-WATER SEPARATORS	N
40 CFR 63, SUBPART VVV	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS: PUBLICLY OWNED TREATMENT WORKS	N

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40 CFR 63, SUBPART VVV	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR BOAT MANUFACTURING	N
40 CFR 63, SUBPART VVVV	RESERVED	N
40 CFR 63, SUBPART VVVVV	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR CHEMICAL MANUFACTURING AREA SOURCES	N
40 CFR 63, SUBPART W	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR EPOXY RESINS PRODUCTION AND NON-NYLON POLAMIDES PRODUCTION	N
40 CFR 63, SUBPART WW	NATIONAL EMISSION STANDARDS FOR STORAGE VESSELS (TANKS)-CONTROL LEVEL 2	N
40 CFR 63, SUBPART WWW	RESERVED	N
40 CFR 63, SUBPART WWWW	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS: REINFORCED PLASTIC COMPOSITES PRODUCTION	N
40 CFR 63, SUBPART WWWWV	NATIONAL EMISSION STANDARDS FOR HOSPITAL ETHYLENE OXIDE STERILIZERS	N
40 CFR 63, SUBPART WWWWWW	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS: AREA SOURCE STANDARDS FOR PLATING AND POLISHING OPERATIONS	N
40 CFR 63, SUBPART X	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FROM SECONDARY LEAD SMELTING	N
40 CFR 63, SUBPART XX	NATIONAL EMISSION STANDARDS FOR ETHYLENE MANUFACTURING PROCESS UNITS: HEAT EXCHANGE SYSTEMS AND WASTE OPERATIONS	N
40 CFR 63, SUBPART XXX	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR FERROALLOYS PRODUCTION: FERROMANGANESE AND SILICOMANGANESE	N
40 CFR 63, SUBPART XXXX	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS: RUBBER TIRE MANUFACTURING	N
40 CFR 63, SUBPART XXXXX	RESERVED	N
40 CFR 63, SUBPART XXXXXX	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS AREA SOURCE STANDARDS FOR NINE METAL FABRICATION AND FINISHING SOURCE CATEGORIES	N
40 CFR 63, SUBPART Y	NATIONAL EMISSION STANDARDS FOR MARINE TANK VESSEL LOADING OPERATIONS	N
40 CFR 63, SUBPART YY	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORIES: GENERIC MAXIMUM ACHIEVABLE CONTROL TECHNOLOGY STANDARDS	N
40 CFR 63, SUBPART YYY	RESERVED	N

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40 CFR 63, SUBPART YYYY	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR STATIONARY COMBUSTION TURBINES	N
40 CFR 63, SUBPART YYYYY	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR AREA SOURCES: ELECTRIC ARC FURNACE STEELMAKING FACILITIES	N
40 CFR 63, SUBPART YYYYYY	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR AREA SOURCES: FERROALLOYS PRODUCTION FACILITIES	N
40 CFR 63, SUBPART Z	RESERVED	N
40 CFR 63, SUBPART ZZ	RESERVED	N
40 CFR 63, SUBPART ZZZ	RESERVED	N
40 CFR 63, SUBPART ZZZZ	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR STATIONARY RECIPROCATING INTERNAL COMBUSTION ENGINES	Y
40 CFR 63, SUBPART ZZZZZ	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR IRON AND STEEL FOUNDRIES AREA SOURCES	N
40 CFR 63, SUBPART ZZZZZZ	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS: AREA SOURCE STANDARDS FOR ALUMINUM, COPPER AND OTHER NONFERROUS FOUNDRIES	N
40 CFR 64	COMPLIANCE ASSURANCE MONITORING PROGRAM	Y
40 CFR 65	CONSOLIDATED FEDERAL AIR RULE	N
40 CFR 68	CHEMICAL ACCIDENT PREVENTION PROVISION	N
40 CFR 70	STATE OPERATING PERMIT PROGRAMS	N
40 CFR 72	PERMITS REGULATION - ACID RAIN PROGRAM	N
40 CFR 73	SULFUR DIOXIDE ALLOWANCE SYSTEM - ACID RAIN	N
40 CFR 74	SULFUR DIOXIDE OPT-INS	N
40 CFR 75	CONTINUOUS EMISSION MONITORING (CEM)	N
40 CFR 76	ACID RAIN NITROGEN OXIDES EMISSION REDUCTION PROGRAM	N
40 CFR 77	EXCESS EMISSIONS	N
40 CFR 78	APPEAL PROCEDURES	N
40 CFR 79	REGISTRATION OF FUELS AND FUEL ADDITIVES	N
40 CFR 80	REGULATION OF FUELS AND FUEL ADDITIVES	N
40 CFR 81	DESIGNATION OF AREAS FOR AIR QUALITY PLANNING PURPOSES	N
40 CFR 82	PROTECTION OF STRATOSPHERIC OZONE	Y
40 CFR 82, SUBPART A	PRODUCTION AND COMSUMPTION CONTROLS	Y
40 CFR 82, SUBPART B	SERVICING OF MOTOR VEHICLE AIR CONDITIONERS	Y

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APPLICABILITY DETERMINATION		
Citation	Regulation	Applicable (Yes / No)
40 CFR 82, SUBPART C	BAN ON NONESSENTIAL PRODUCTS CONTAINING CLASS I SUBSTANCES AND BAN ON NONESSENTIAL PRODUCTS CONTAINING OR MANUFACTURED WITH CLASS II SUBSTANCES	N
40 CFR 82, SUBPART D	FEDERAL PROCUREMENT	Y
40 CFR 82, SUBPART E	THE LABELING OF PRODUCTS USING OZONE-DEPLETING SUBSTANCES	Y
40 CFR 82, SUBPART F	RECYCLING AND EMISSION REDUCTION	Y
40 CFR 82, SUBPART G	SIGNIFICANT NEW ALTERNATIVES POLICY PROGRAM	Y
40 CFR 82, SUBPART H	HALON EMISSIONS REDUCTION	Y
40 CFR 82, SUBPART I	BAN ON REFRIGERATION AND AIR-CONDITIONING APPLIANCES CONTAINING HCFCs	N
40 CFR 85	CONTROL OF AIR POLLUTION FROM MOBILE SOURCES	N
40 CFR 86	CONTROL OF EMISSIONS FROM NEW AND IN-USE HIGHWAY VEHICLES AND ENGINES	N
40 CFR 87	CONTROL OF AIR POLLUTION FROM AIRCRAFT ENGINES	N
40 CFR 88	CLEAN FUEL VEHICLES	N
40 CFR 89	CONTROL OF EMISSIONS FROM NEW AND IN-USE NON-ROAD COMPRESSION-IGNITION ENGINES	N
40 CFR 90	CONTROL OF EMISSIONS FROM NONROAD SPARK-IGNITION ENGINES AT OR BELOW 19 KILOWATTS	N
40 CFR 91	CONTROL OF EMISSIONS FROM MARINE SPARK-IGNITION ENGINES	N
40 CFR 92	CONTROL OF AIR POLLUTION FROM LOCOMOTIVES AND LOCOMOTIVE ENGINES	N
40 CFR 93	DETERMINING CONFORMITY OF FEDERAL ACTIONS TO STATE OR FEDERAL IMPLEMENTATION PLANS	N
40 CFR 94	CONTROL OF EMISSIONS FROM MARINE COMPRESSION-IGNITION ENGINES	N
40 CFR 95	MANDATORY PATENT LICENSES	N
40 CFR 96	NO _x BUDGET TRADING PROGRAM AND CAIR NO _x AND SO ₂ TRADING PROGRAMS FOR STATE IMPLEMENTATION PLANS	N
40 CFR 97	FEDERAL NO _x BUDGET TRADING PROGRAM CAIR NO _x AND SO ₂ TRADING PROGRAMS	N
40 CFR 98	MANDATORY GREENHOUSE GAS REPORTING	Y
SC 61 - 86.1	STANDARDS OF PERFORMANCE FOR ASBESTOS PROJECTS	Y
SC 61-30	ENVIRONMENTAL PROTECTION FEES	Y
SC 61-62.1	DEFINITIONS AND GENERAL REQUIREMENTS	Y
SC 61-62.2	PROHIBITION OF OPEN BURNING	Y
SC 61-62.3	AIR POLLUTION EPISODES	Y

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SC 61-62.4	HAZARDOUS AIR POLLUTION CONDITIONS	Y
SC 61-62.5, Std. 1	EMISSIONS FROM FUEL BURNING OPERATIONS	Y
SC 61-62.5, Std. 2	AMBIENT AIR QUALITY STANDARDS	Y
SC 61-62.5, Std. 3	WASTE COMBUSTION AND REDUCTION	N
SC 61-62.5, Std. 3.1	HOSPITAL / MEDICAL / INFECTIOUS WASTE INCINERATIONS (HMIWI)	N
SC 61-62.5, Std. 4	EMISSIONS FROM PROCESS INDUSTRIES	Y
SC 61-62.5, Std. 4, Sect. I	EMISSIONS FROM PROCESS INDUSTRIES - GENERAL	Y
SC 61-62.5, Std. 4, Sect. II	EMISSIONS FROM PROCESS INDUSTRIES - SULFURIC ACID MANUFACTURING	N
SC 61-62.5, Std. 4, Sect. III	EMISSIONS FROM PROCESS INDUSTRIES - KRAFT PULP AND PAPER MANUFACTURING	N
SC 61-62.5, Std. 4, Sect. IV	EMISSIONS FROM PROCESS INDUSTRIES - RESERVED	N
SC 61-62.5, Std. 4, Sect. IX	EMISSIONS FROM PROCESS INDUSTRIES - VISIBLE EMISSIONS (WHERE NOT SPECIFIED ELSEWHERE)	Y
SC 61-62.5, Std. 4, Sect. V	EMISSIONS FROM PROCESS INDUSTRIES - COTTON GINS	N
SC 61-62.5, Std. 4, Sect. VI	EMISSIONS FROM PROCESS INDUSTRIES - HOT MIX ASPHALT MANUFACTURING	N
SC 61-62.5, Std. 4, Sect. VII	EMISSIONS FROM PROCESS INDUSTRIES - METAL REFINING	N
SC 61-62.5, Std. 4, Sect. VIII	EMISSIONS FROM PROCESS INDUSTRIES - OTHER MANUFACTURING	Y
SC 61-62.5, Std. 4, Sect. X	EMISSIONS FROM PROCESS INDUSTRIES - NON-ENCLOSED OPERATIONS	Y
SC 61-62.5, Std. 4, Sect. XI	EMISSIONS FROM PROCESS INDUSTRIES - TOTAL REDUCED SULFUR EMISSIONS FROM KRAFT PULP MILLS	N
SC 61-62.5, Std. 4, Sect. XII	EMISSIONS FROM PROCESS INDUSTRIES - PERIODIC TESTING	N
SC 61-62.5, Std. 4, Sect. XIII	EMISSIONS FROM PROCESS INDUSTRIES - RESERVED	N
SC 61-62.5, Std. 5	VOLATILE ORGANIC COMPOUNDS (VOC)	N
SC 61-62.5, Std. 5.1	LOWEST ACHIEVABLE EMISSION RATE (LAER) APPLICABLE TO VOLATILE ORGANIC COMPOUNDS	Y
SC 61-62.5, Std. 5.2	CONTROL OF OXIDES OF NITROGEN (NOX)	Y
SC 61-62.5, Std. 6	ALTERNATIVE EMISSION LIMITATION OPTIONS ("BUBBLE")	N
SC 61-62.5, Std. 7	PREVENTION OF SIGNIFICANT DETERIORATION (PSD)	Y
SC 61-62.5, Std. 7.1	NONATTAINMENT NEW SOURCE REVIEW (NSR)	N
SC 61-62.5, Std. 8	TOXIC AIR POLLUTANTS	Y
SC 61-62.6	CONTROL OF FUGITIVE PARTICULATE MATTER	N
SC 61-62.6, Sect. I	CONTROL OF FUGITIVE PARTICULATE MATTER - IN NON-ATTAINMENT AREAS	N
SC 61-62.6, Sect. II	CONTROL OF FUGITIVE PARTICULATE MATTER - IN PROBLEM AREAS	N
SC 61-62.6, Sect. III	CONTROL OF FUGITIVE PARTICULATE MATTER - STATEWIDE	Y

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SC 62-62.6, Sect. IV	CONTROL OF FUGITIVE PARTICULATE MATTER – EFFECTIVE DATE	Y
SC 61-62.60	SOUTH CAROLINA DESIGNATED FACILITY PLAN AND NEW SOURCE PERFORMANCE STANDARDS	Y
SC 61-62.63	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS (NESHAP)	Y
SC 61-62.68	CHEMICAL ACCIDENT PREVENTION PROVISIONS	N
SC 61-62.7	GOOD ENGINEERING PRACTICE (GEP) STACK HEIGHT	Y
SC 61-62.70	TITLE V OPERATION PERMIT PROGRAM	Y
SC 61-62.72	ACID RAIN - PROGRAM GENERAL PROVISIONS - DEFINITIONS	N
SC 61-62.72	ACID RAIN	N
SC 61-62.96	NITROGEN OXIDES (NO _x) BUDGET TRADING PROGRAM (SEPTEMBER 24, 2004)	N
SC 61-62.99	NITROGEN OXIDES (NO _x) BUDGET PROGRAM REQUIREMENTS FOR STATIONARY SOURCES NOT IN THE TRADING PROGRAM (MAY 24, 2002)	N

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**Subpart H—National Emission Standards for Emissions of Radionuclides Other
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Contents

- §61.90 Designation of facilities.
- §61.91 Definitions.
- §61.92 Standard.
- §61.93 Emission monitoring and test procedures.
- §61.94 Compliance and reporting.
- §61.95 Recordkeeping requirements.
- §61.96 Applications to construct or modify.
- §61.97 Exemption from the reporting and testing requirements of 40 CFR 61.10.

§61.90 Designation of facilities.

The provisions of this subpart apply to operations at any facility owned or operated by the Department of Energy that emits any radionuclide other than radon-222 and radon-220 into the air, except that this subpart does not apply to disposal at facilities subject to 40 CFR part 191, subpart B or 40 CFR part 192.

§61.91 Definitions.

As used in this subpart, all terms not defined here have the meaning given them in the Clean Air Act or 40 CFR part 61, subpart A. The following terms shall have the following specific meanings:

(a) *Effective dose equivalent* means the sum of the products of absorbed dose and appropriate factors to account for differences in biological effectiveness due to the quality of radiation and its distribution in the body of reference man. The unit of the effective dose equivalent is the rem. For purposes of this subpart, doses caused by radon-222 and its respective decay products formed after the radon is released from the facility are not included. The method for calculating effective dose equivalent and the definition of reference man are outlined in the International Commission on Radiological Protection's Publication No. 26.

(b) *Facility* means all buildings, structures and operations on one contiguous site.

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(c) *Radionuclide* means a type of atom which spontaneously undergoes radioactive decay.

(d) *Residence* means any home, house, apartment building, or other place of dwelling which is occupied during any portion of the relevant year.

§61.92 Standard.

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.

§61.93 Emission monitoring and test procedures.

(a) To determine compliance with the standard, 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.

(b) Radionuclides emission rates from existing point sources (stacks or vents) shall be measured in accordance with the following requirements or with the requirements of paragraph (c) of this section, or other procedures for which EPA has granted prior approval:

(1) Effluent flow rate measurements shall be made using the following methods:

(i) Reference Method 2 of appendix A to part 60 of this chapter shall be used to determine velocity and volumetric flow rates for stacks and large vents.

(ii) Reference Method 2A of appendix A to part 60 of this chapter shall be used to measure flow rates through pipes and small vents.

(iii) The frequency of the flow rate measurements shall depend upon the variability of the effluent flow rate. For variable flow rates, continuous or frequent flow rate measurements shall be made. For relatively constant flow rates only periodic measurements are necessary.

(2) Radionuclides shall be directly monitored or extracted, collected and measured using the following methods:

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(i) Reference Method 1 of appendix A to part 60 of this chapter shall be used to select monitoring or sampling sites.

(ii) 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 ANSIN13.1-1969 "Guide to Sampling Airborne Radioactive Materials in Nuclear Facilities" (including the guidance presented in appendix A of ANSIN13.1) (incorporated by reference—see §61.18). The requirements for continuous sampling are applicable to batch processes when the unit is in operation. Periodic sampling (grab samples) may be used only with EPA's prior approval. Such approval may be granted in cases where continuous sampling is not practical and radionuclide emission rates are relatively constant. In such cases, grab samples shall be collected with sufficient frequency so as to provide a representative sample of the emissions.

(iii) Radionuclides shall be collected and measured using procedures based on the principles of measurement described in 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 Administrator. EPA reserves the right to approve measurement procedures.

(iv) A quality assurance program shall be conducted that meets the performance requirements described in appendix B, Method 114.

(3) When it is impractical to measure the effluent flow rate at an existing source in accordance with the requirements of paragraph (b)(1) of this section or to monitor or sample an effluent stream at an existing source in accordance with the site selection and sample extraction requirements of paragraph (b)(2) of this section, the facility owner or operator may use alternative effluent flow rate measurement procedures or site selection and sample extraction procedures provided that:

(i) It can be shown that the requirements of paragraph (b) (1) or (2) of this section are impractical for the effluent stream.

(ii) The alternative procedure will not significantly underestimate the emissions.

(iii) The alternative procedure is fully documented.

(iv) The owner or operator has received prior approval from EPA.

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(4) (i) Radionuclide emission measurements in conformance with the requirements of paragraph (b) of this section shall be made at all release points which have a potential to discharge radionuclides into the air in quantities which could cause an effective dose equivalent in excess of 1% of the standard. All radionuclides which could contribute greater than 10% of the potential effective dose equivalent for a release point shall be measured. With prior EPA approval, DOE may determine these emissions through alternative procedures. For other release points which have a potential to release radionuclides into the air, periodic confirmatory measurements shall be made to verify the low emissions.

(ii) To determine whether a release point is subject to the emission measurement requirements of paragraph (b) of this section, it is necessary to evaluate the potential for radionuclide emissions for that release point. In evaluating the potential of a release point to discharge radionuclides into the air for the purposes of this section, the estimated radionuclide release rates shall be based on the discharge of the effluent stream that would result if all pollution control equipment did not exist, but the facilities operations were otherwise normal.

(5) Environmental measurements of radionuclide air concentrations at critical receptor locations may be used as an alternative to air dispersion calculations in demonstrating compliance with the standard if the owner or operator meets the following criteria:

(i) The air at the point of measurement shall be continuously sampled for collection of radionuclides.

(ii) Those radionuclides released from the facility, which are the major contributors to the effective dose equivalent must be collected and measured as part of the environmental measurement program.

(iii) Radionuclide concentrations which would cause an effective dose equivalent of 10% of the standard shall be readily detectable and distinguishable from background.

(iv) Net measured radionuclide concentrations shall be compared to the concentration levels in Table 2 of appendix E to determine compliance with the standard. In the case of multiple radionuclides being released from a facility, compliance shall be demonstrated if the value for all radionuclides is less than the concentration level in Table 2, and the sum of the fractions that result when each measured concentration value is divided by the value in Table 2 for each radionuclide is less than 1.

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(v) A quality assurance program shall be conducted that meets the performance requirements described in appendix B, Method 114.

(vi) Use of environmental measurements to demonstrate compliance with the standard is subject to prior approval of EPA. Applications for approval shall include a detailed description of the sampling and analytical methodology and show how the above criteria will be met.

(c) Radionuclide emission rates from new point sources (stacks or vents) as defined in subpart A shall be measured in accordance with the following requirements, or other procedures for which EPA has granted prior approval:

(1) Effluent flow rate measurements shall be made using the following methods:

(i) ANSI/HPS N13.1-1999 "Sampling and Monitoring Releases of Airborne Radioactive Substances from the Stacks and Ducts of Nuclear Facilities" (incorporated by reference—see §61.18) shall be used to determine velocity and volumetric flow rates for stacks and large vents.

(ii) ANSI/HPS N13.1-1999 shall be used to measure flow rates through pipes and small vents.

(iii) The frequency of the flow rate measurements shall depend upon variability of the effluent flow rate. For variable flow rates, continuous or frequent flow rate measurements shall be made. For relatively constant flow rates only periodic measurements are necessary.

(2) Radionuclide shall be directly monitored or extracted, collected and measured using the following methods:

(i) ANSI/HPS N13.1-1999 shall be used to select monitoring or sampling sites.

(ii) 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/HPS N13.1-1999. The requirements for continuous sampling are applicable to batch processes when the unit is in operation. Periodic sampling (grab samples) may be used only with EPA's prior approval. Such approval may be granted in cases where continuous sampling is not practical and radionuclide emission rates are relatively constant. In such cases, grab samples shall be collected with sufficient frequency so as to provide a representative sample of the emissions.

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(iii) Radionuclides shall be collected and measured using procedures based on the principles of measurement described in appendix B, Method 114 of this part. Use of methods based on principles of measurement different from those described in appendix B, Method 114 of this part must have prior approval from the Administrator. EPA reserves the right to approve measurement procedures.

(iv) A quality assurance program shall be conducted that meets the performance requirements described in ANSI/HPS N13.1-1999.

(d) When it is impractical to measure the effluent flow rate at a source in accordance with the requirements of paragraph (b)(1) or (c) of this section or to monitor or sample an effluent stream at a source in accordance with the site selection and sample extraction requirements of paragraph (b)(2) or (c) of this section, the facility owner or operator may use alternative effluent flow rate measurement procedures or site selection and sample extraction procedures provided that:

(1) It can be shown that the requirements of paragraph (b)(1) or (2) or (c) of this section are impractical for the effluent stream.

(2) The alternative procedure will not significantly underestimate the emissions.

(3) The alternative procedure is fully documented.

(4) The owner or operator has received prior approval from EPA.

(e) Radionuclide emission measurements in conformance with the requirements of paragraph (b) or (c) of this section shall be made at all release points that have a potential to discharge radionuclides into the air in quantities that could cause an effective dose equivalent in excess of 1% of the standard. All radionuclides that could contribute greater than 10% of the potential effective dose equivalent for a release point shall be measured. With prior EPA approval, DOE may determine these emissions through alternative procedures. For other release points that have a potential to release radionuclides into the air, periodic confirmatory measurements shall be made to verify the low emissions.

(f) To determine whether a release point is subject to the emission measurement requirements of paragraph (b) or (c) of this section, it is necessary to evaluate the potential for radionuclide emissions for that release point. In evaluating the potential of a release point to discharge radionuclides into the air for the purposes of this section, the estimated radionuclide release rates shall be based on the discharge of the effluent stream that would result if all pollution control equipment did not exist, but the facilities operations were otherwise normal.

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(g) Environmental measurements of radionuclide air concentrations at critical receptor locations may be used as an alternative to air dispersion calculations in demonstrating compliance with the standard if the owner or operator meets the following criteria:

(1) The air at the point of measurement shall be continuously sampled for collection of radionuclides.

(2) Those radionuclides released from the facility that are the major contributors to the effective dose equivalent must be collected and measured as part of the environmental measurement program.

(3) Radionuclide concentrations that would cause an effective dose equivalent of 10% of the standard shall be readily detectable and distinguishable from background.

(4) Net measured radionuclide concentrations shall be compared to the concentration levels in Table 2 appendix E of this part to determine compliance with the standard. In the case of multiple radionuclides being released from a facility, compliance shall be demonstrated if the value for all radionuclides is less than the concentration level in Table 2 of appendix E of this part, and the sum of the fractions that result when each measured concentration value is divided by the value in Table 2 of appendix E of this part for each radionuclide is less than 1.

(5) A quality assurance program shall be conducted that meets the performance requirements described in appendix B, Method 114 of this part.

(6) Use of environmental measurements to demonstrate compliance with the standard is subject to prior approval of EPA. Applications for approval shall include a detailed description of the sampling and analytical methodology and show how the above criteria will be met.

§61.94 Compliance and reporting.

(a) Compliance with this standard shall be determined 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 both EPA headquarters and the appropriate regional office by June 30 which includes the results of the monitoring as recorded in DOE's Effluent Information System and the dose calculations required by §61.93(a) for the previous calendar year.

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(b) In addition to the requirements of paragraph (a) of this section, an annual report shall include the following information:

- (1) The name and location of the facility.
- (2) A list of the radioactive materials used at the facility.
- (3) A description of the handling and processing that the radioactive materials undergo at the facility.
- (4) A list of the stacks or vents or other points where radioactive materials are released to the atmosphere.
- (5) A description of the effluent controls that are used on each stack, vent, or other release point and an estimate of the efficiency of each control device.
- (6) Distances from the points of release to the nearest residence, school, business or office and the nearest farms producing vegetables, milk, and meat.
- (7) The values used for all other user-supplied input parameters for the computer models (e.g., meteorological data) and the source of these data.
- (8) A brief description of all construction and modifications which were completed in the calendar year for which the report is prepared, but for which the requirement to apply for approval to construct or modify was waived under §61.96 and associated documentation developed by DOE to support the waiver. EPA reserves the right to require that DOE send to EPA all the information that normally would be required in an application to construct or modify, following receipt of the description and supporting documentation.
- (9) Each report shall be signed and dated by a corporate officer or public official in charge of the facility and contain the following declaration immediately above the signature line: "I certify under penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment. See, 18 U.S.C. 1001."

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(c) If the facility is not in compliance with the emission limits of §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 paragraph (b) of this section, 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 has determined that the monthly reports are no longer necessary. In addition to all the information required in paragraph (b) of this section, monthly reports shall also include the following information:

(1) All controls or other changes in operation of the facility that will be or are being installed to bring the facility into compliance.

(2) If the facility is under a judicial or administrative enforcement decree, the report will describe the facilities performance under the terms of the decree.

(d) In those instances where the information requested is classified, such information will be made available to EPA separate from the report and will be handled and controlled according to applicable security and classification regulations and requirements.

§61.95 Recordkeeping requirements.

All facilities 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.

§61.96 Applications to construct or modify.

(a) 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.

(b) An application for approval under §61.07 or notification of startup under §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

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standard prescribed in §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 §61.93. DOE may, with prior approval from EPA, use another procedure for estimating the source term for use in this paragraph. A facility is eligible for this exemption only if, based on its last annual report, the facility is in compliance with this subpart.

(c) Conditions to approvals granted under §61.08 will not contain requirements for post approval reporting on operating conditions beyond those specified in §61.94.

§61.97 Exemption from the reporting and testing requirements of 40 CFR 61.10.

All facilities designated under this subpart are exempt from the reporting requirements of 40 CFR 61.10.