



South Carolina Department of Health
and Environmental Control

Conditional Major Air Quality Permit

**Winthrop University
701 Oakland Avenue
Rock Hill, SC 29733**

In accordance with the provisions of the Pollution Control Act, Sections 48-1-50(5) and 48-1-110(a), and the 1976 Code of Laws of South Carolina, as amended, Regulation 61-62, the above named permittee is hereby granted permission to discharge air contaminants into the ambient air. The Bureau of Air Quality authorizes the operation of this facility and its applicable equipment specified herein in accordance with the Conditional Major permit request submitted on December 30, 2008.

This permit is subject to and conditioned upon the terms, limitations, standards, and schedules contained in or specified on the 15 pages, with the accompanying attachments, of this permit.

Permit Number: CM-2440-0084
Issue Date: [DRAFT]

Effective Date: [DRAFT]
Expiration Date: [DRAFT]

**Director, Engineering Services Division
Bureau of Air Quality**

TABLE OF CONTENTS

Part 1.0 GENERAL INFORMATION

- A. Applicable Permit Dates
- B. Facility Information
- C. Facility Mailing Address
- D. Facility Billing Address

Part 2.0 APPLICABILITY

- A. General Applicability
- B. Criteria

Part 3.0 GENERAL CONDITIONS

Part 4.0 FACILITY WIDE REQUIREMENTS

Part 5.0 EMISSION UNIT REQUIREMENTS

- A. Emission Unit Description
- B. Generic Conditions
- C. Emission Unit – Limitations, Monitoring, and Reporting

Part 6.0 REPORTING REQUIREMENTS

Part 7.0 ADDITIONAL CONDITIONS

- A. Specific Conditions
- B. Exempt Sources

ATTACHMENT A - Modeled Emission Rates

WINTHROP UNIVERSITY

CM-2440-0084

Page 4 of 15

PART 1.0 GENERAL INFORMATION

A. APPLICABLE PERMIT DATES

ISSUE DATE: <DRAFT>
EFFECTIVE DATE: <DRAFT>
EXPIRATION DATE: <DRAFT>

B. FACILITY INFORMATION

ENVIRONMENTAL CONTACT: Mitzi Stewart
CONTACT TELEPHONE NUMBER: (803) 323-2328
CONTACT FAX NUMBER: (803) 323-2426
INTERNET E-MAIL ADDRESS: stewartm@winthrop.edu
FACILITY LOCATION: 701 Oakland Avenue – Rock Hill
COUNTY: York
SIC CODE(S): 8221
NAICS CODE(S): 71131
AFS CODE: 4509100084

C. FACILITY MAILING ADDRESS

FACILITY NAME: Winthrop University
ADDRESS: 701 Oakland Avenue
CITY, STATE, ZIP: Rock Hill, SC 29733

D. FACILITY BILLING ADDRESS

FACILITY BILLING NAME: Winthrop University
ADDRESS: 701 Oakland Avenue
CITY, STATE, ZIP: Rock Hill, SC 29733

WINTHROP UNIVERSITY

CM-2440-0084

Page 5 of 15

PART 2.0 APPLICABILITY

A. GENERAL APPLICABILITY

Condition Number	Condition
2.A.1	This permit applies to any major stationary source, as defined by SC Regulation 61-62.70.2(r), which requests and fulfills the conditions of SC Regulation 61-62.1, Section II(G) to obtain and adhere to federally enforceable permit conditions to limit the source's potential to emit less than applicable major source thresholds.

B. CRITERIA

Condition Number	Condition
2.B.1	All limitations and requirements listed as enforceable permit conditions shall be permanent, quantifiable, or otherwise enforceable in a practical manner.
2.B.2	All permit conditions that constrain the operation of a source in an effort to limit potential to emit shall be federally enforceable. Unless otherwise agreed by the SC Department of Health and Environmental Control (Department) and US Environmental Protection Agency (US EPA), the Department shall provide to US EPA on a timely basis a copy of all draft and final permits intended to be federally enforceable.
2.B.3	This facility may be required to obtain a Part 70 operating permit in accordance with SC Regulation 61-62.70 if at any time an applicable major source threshold is exceeded.

PART 3.0 GENERAL CONDITIONS

The following conditions are applicable unless superseded by specific permit condition(s):

Condition Number	Condition
3.1	The permittee must comply with all applicable statutes and regulations of the United States and the State of South Carolina and this permit does not relieve the permittee from compliance with applicable local laws, ordinances, and regulations.
3.2	This permit has been issued based on information submitted by the permittee in a Conditional Major permit application. Any false information or misrepresentation in the application may be grounds for permit revocation. This permit supersedes any other operating permit issued by the Bureau of Air Quality upon the permit's effective date.

WINTHROP UNIVERSITY

CM-2440-0084

Page 6 of 15

Condition Number	Condition
3.3	<p>In accordance with SC Regulation 61-62.1, Section II(H), the permittee shall submit an operating permit renewal request to the Department no later than 90 days prior to the operating permit expiration date. The source may be inspected by the Department in order to decide whether to renew the permit. Past records of compliance and future probability of compliance will be considered in making the decision regarding renewal.</p> <p>Submission of a request for renewal meeting the requirements in S.C. Regulation 61-62.1, Section II(H) shall allow the permittee to continue operating pursuant to the most recent conditional major operating permit, until such time as the Department has taken final action on the request for renewal. In addition to the minimum information required by S.C. Regulation 61-62.1, Section II(C), any facility requesting a conditional major operating permit must also provide the following:</p> <ul style="list-style-type: none">i. Potential emission calculations and proposed Federally enforceable emission limitations for each emission unit at the facility verifying that the total emissions at the facility will be below the major source (or facility) thresholds.ii. All proposed production and/or operational limitations that will constrain the operation of each emission unit that are to be identified as Federally enforceable.iii. All proposed monitoring parameters, recordkeeping and reporting requirements the source will use to determine and verify compliance with the requested Federally enforceable limitations on a continuous basis. The source shall also provide the compliance status of these proposed parameters and requirements at the time of the request submittal.
3.4	This permit expressly incorporates all the provisions of SC Regulation 61-62.1, Section II(J).
3.5	<p>In accordance with SC Regulation 61-62.1, Section II(J) for all sources not required to have continuous emissions monitors, in the event of any malfunction of air pollution control equipment or system, process upset or other equipment failure which results in discharges of air contaminants lasting for one hour or more and which are greater than those discharges described for normal operation in the permit application shall be reported to the local Environmental Quality Control (EQC) Regional office within twenty-four (24) hours after the beginning of the occurrence. The permittee shall also submit a written report within thirty (30) days of the occurrence. This report shall be submitted to the Manager of the Technical Management Section, Bureau of Air Quality (BAQ). The report shall contain as a minimum, the following: the identity of the emission unit and associated equipment where excess emissions occurred, the magnitude of excess emissions, the time and duration of excess emissions, the steps taken to remedy the malfunction and to prevent a recurrence, documentation that control equipment and processes were at all times maintained and operated, to the maximum extent practicable, in a manner that was consistent with good practice for minimizing emissions. Such a report shall in no way serve to excuse, otherwise justify, or in any manner affect any potential liability or enforcement action resulting from the occurrence.</p>
3.6	<p>This permit only covers emission units and control equipment while physically present at the indicated facility. Unless the permit specifically provides for the equipment relocation, this permit is void for an item of equipment on the day it is removed from the permitted facility, notwithstanding the expiration date specified on the permit.</p>
3.7	<p>In accordance with SC Regulation 61-62.1, Section II(M) within thirty (30) days of the transfer of ownership/operation of a facility, the current permit holder and prospective new owner/operator shall submit to the Department 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 company name and mailing address; the facility name and mailing address (if different from that of the company); the name, mailing address, and telephone number of the owner or agent for the company; 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.</p>

WINTHROP UNIVERSITY

CM-2440-0084

Page 7 of 15

Condition Number	Condition
3.8	<p>Any permittee who plans to construct, alter, or add to a source of air contaminants, including the installation of any device for the control of air contaminant discharges shall submit a complete construction permit application package as described in SC Regulation 61-62.1, Section II(C)</p> <p>A construction permit application package for a federally-enforceable construction permit will be required if any of the emissions changes described above will affect a pollutant limited under SC Regulation 61-62.1, Section II(G). The Department may grant permission to proceed with minor alterations or additions without issuance of a permit when the Department determines that the alteration or addition will not increase the quantity and will not alter the character of the source's emissions.</p>
3.9	<p>Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Department or an authorized representative to perform the following:</p> <ol style="list-style-type: none">1. Enter the facility where emissions-related activity is conducted, or where records must be kept under the conditions of the permit.2. Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit.3. Inspect any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.4. As authorized by the Act and/or the SC Pollution Control Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.
3.10	<p>This permit may be reopened by the Department for cause or to include any new standard or regulation which becomes applicable to a source during the life of the permit.</p>
3.11	<p>The permittee shall pay fees in accordance with SC Regulation 61-30, SC Environmental Protection Fees.</p>
3.12	<p>In the event of an emergency situation, as defined by SC Regulation 61-62.1, Section II(L), an affirmative defense to any action brought for noncompliance with an emission limitation shall be demonstrated by the facility if all of the conditions of SC Regulation 61-62.1, Section II(L) are met.</p>

PART 4.0 FACILITY WIDE REQUIREMENTS

Condition Number	Condition
4.1	<p>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 the air dispersion modeling may require a review by the facility to determine continuing compliance with these standards. These potential changes include any decrease in stack height, decrease in stack velocity, increase in stack diameter, decrease in stack exit temperature, increase in building height or building additions, increase in emission rates, decrease in distance between stack and property line, changes in vertical stack orientation, and installation of a rain cap that impedes vertical flow. Parameters that are not required in the determination will not invalidate the demonstration if they are modified. The emission rates used in the determination are listed in Attachment A of this permit. Higher emission rates may be administratively incorporated into Attachment A of this permit provided a demonstration using these higher emission rates shows the attainment and maintenance of any state or federal 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. This is a State Only enforceable requirement.</p>
4.2	<p>The owner/operator shall maintain this facility at or below the emission rates as listed in Attachment A, not to exceed the pollutant limitations of this Conditional Major operating permit. Should the facility wish to increase the emission rates listed in Attachment A, not to exceed the pollutant limitations in the body of this permit, it may do so by the administrative process specified in condition 4.1. This is a State Only enforceable requirement.</p>
4.3	<p>The permittee shall comply with SC Regulation 61-62.4 "Hazardous Air Pollution Conditions".</p>

WINTHROP UNIVERSITY

CM-2440-0084

Page 8 of 15

Condition Number	Condition
4.4	The permittee shall comply with SC Regulation 61-62.2 “Prohibition of Open Burning”.
4.5	The permittee shall comply with SC Regulation 61-62.6 “Control of Fugitive Particulate Matter”, Section III “Control of Fugitive Particulate Matter Statewide”.
4.6	<p>Limits/Standards: In accordance with SC Regulation 61-62.1, Section II(G) – Conditional Major Operating Permits, this facility is limited to less than 100 tons per year, each, for PM₁₀, SO₂, and NO_x emissions, which are federally enforceable limits to avoid Title V.</p> <p>Testing: None Required.</p> <p>Monitoring/Record Keeping/Reporting/Other: The owner/operator must record No. 6 fuel oil consumption monthly and calculate yearly No. 6 fuel oil consumption on a twelve-month rolling sum. The twelve month rolling sum shall be less than 590,000 gallons. Reports of the calculated values and the twelve-month rolling sum shall be submitted semiannually.</p>

PART 5.0 EMISSION UNIT REQUIREMENTS

A. EMISSION UNIT DESCRIPTION

TABLE 5.1 EMISSION UNITS		
Unit ID	Unit Description	Control Device
01	Boilers (Group 1)	N/A
02	Boilers (Group 2)	N/A
03	Boilers (Group 3) (Group 3 Boilers are now listed as exempt sources.)	N/A
04	Boilers (Group 4) *** VOID – DECOMMISSIONED ***	N/A

N/A = Not Applicable

TABLE 5.2 CONTROL DEVICES			
Control Device ID	Control Device Description	Installation Date	Pollutant(s) Controlled
None	None	None	None

B. GENERIC CONDITIONS

GENERIC CONDITIONS			
Condition Number	Unit ID	Equipment ID	Condition
GC1	01-02	All sources	Unless elsewhere specified within this permit, all records required to demonstrate compliance with the limits established under this permit shall be maintained on site for a period of at least five (5) years from the date generated and shall be made available to a Department representative upon request.

WINTHROP UNIVERSITY

CM-2440-0084

Page 9 of 15

GENERIC CONDITIONS			
Condition Number	Unit ID	Equipment ID	Condition
GC2	01-02	All sources	Unless elsewhere specified within this permit, all reports required under this permit including all recorded parameters and calculated values shall be submitted to the Manager of the Technical Management Section, Bureau of Air Quality, at the address listed below, postmarked no later than thirty (30) calendar days after the end of the reporting period. SC DHEC – BAQ Technical Management Section 2600 Bull Street Columbia, SC 29201

C. EMISSION UNIT – LIMITATIONS, MONITORING AND REPORTING

Table 5.3 – Unit ID 01 – Group 1 Boilers

Equipment ID	Description	Installation Date/Modification Date	Control Device ID	Stack ID
CEB1	Central Energy Boiler #1 rated at 84x10 ⁶ BTU/hr heat input and fired on natural gas/#6 fuel oil (Manufactured by Babcock & Wilcox, Model FP-18 No.44)	1963	N/A	CEB1
CEB2	Central Energy Boiler #2 rated at 84x10 ⁶ BTU/hr heat input and fired on natural gas/#6 fuel oil (Manufactured by Babcock & Wilcox, Model FP-18 No.44)	1963	N/A	CEB2

Table 5.4 – Control Device(s) For Unit ID 01 – Group 1 Boilers

Control Device ID	Description	Installation Date/Modification Date	Pollutant(s) Controlled
None	None	None	None

WINTHROP UNIVERSITY

CM-2440-0084

Page 10 of 15

Conditions For Unit ID 01 – Group 1 Boilers			
Condition Number	Equip ID	Regulated Pollutant/Standard	Conditions
01.1	CEB1, CEB2	Fuel	<p>Limits/Standards: Group 1 Boilers, CEB1 and CEB2, are permitted to burn only natural gas and No. 6 fuel oil with sulfur content less than or equal to 2.1% as fuel. Group 1 Boilers are permitted to burn a total of 590,000 gallons of No. 6 fuel oil annually. The use of any other substances as fuel is prohibited without prior written approval from the Bureau of Air Quality.</p> <p>Testing: None Required.</p> <p>Monitoring/Record Keeping/Reporting/Other: A) For each boiler, the owner/operator must record No. 6 fuel oil consumption monthly and calculate yearly No. 6 fuel oil consumption on a twelve-month rolling sum. Reports of the calculated values and the twelve-month rolling sum shall be submitted semiannually.</p> <p>B) Fuel oil sulfur content shall be less than or equal to 2.1% by weight. Acceptable fuel oil certification can be ensured by following Department guidance entitled “Guidance For Fuel Oil Certifications” issued on August 12, 2004 and any subsequent revisions. Fuel oil supplier certification shall be obtained for each batch of oil received and stored on site.</p>
01.2	CEB1, CEB2	Opacity	<p>Limits/Standards: In accordance with SC Regulation 61-62.5, Standard No. 1, Emissions from Fuel Burning Operations, Group 1 Boilers, CEB1 and CEB2, shall not discharge into the ambient air smoke which exceeds an opacity of 40%, each. The forty (40) percent opacity limit may be exceeded for sootblowing, but may not be exceeded for more than six (6) minutes in a one hour period nor be exceeded for more than a total of twenty-four (24) minutes in a twenty-four (24) hour period. Emissions caused by sootblowing shall not exceed sixty (60) percent opacity. The opacity standards set forth above do not apply during startup or shutdown.</p> <p>Testing: None Required.</p> <p>Monitoring/Record Keeping/Reporting/Other: The owner/operator shall, to the extent practicable, maintain and operate any source including associated air pollution control equipment in a manner consistent with good air pollution control practices for minimizing emissions. The owner/operator shall 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.</p>
01.3	CEB1, CEB2	PM	<p>Limits/Standards: In accordance with SC Regulation 61-62.5, Standard No. 1 – Emissions from Fuel Burning Operations, Section II – Particulate Matter Emissions, the allowable discharge of particulate matter resulting from each fuel burning operation is 0.6 pounds per million BTU input.</p> <p>Testing: None Required.</p> <p>Monitoring/Record Keeping/Reporting/Other: Not Required.</p>
01.4	CEB1, CEB2	SO ₂	<p>Limits/Standards: In accordance with SC Regulation 61-62.5, Standard No. 1 - Emissions from Fuel Burning Operations, Section III - Sulfur Dioxide Emissions, the maximum allowable discharge of sulfur dioxide (SO₂) resulting from each fuel burning operation is 3.5 pounds per million BTU input.</p> <p>Testing: None Required.</p> <p>Monitoring/Record Keeping/Reporting/Other: Not Required.</p>

WINTHROP UNIVERSITY

CM-2440-0084

Page 11 of 15

Table 5.5 - Unit ID 02 – Group 2 Boilers				
Equipment ID	Description	Installation Date/ Modification Date	Control Device ID	Stack ID
CEB3	Central Energy Boiler #3 rated at 40×10^6 BTU/hr heat input and fired on natural gas/#6 fuel oil (Manufactured by Babcock & Wilcox, Model FP-48 No.28) *** VOID – DECOMMISSIONED ***	1963	N/A	CEB3
CEB4	Central Energy Boiler #4, rated at 11.81×10^6 BTU/hr, Natural Gas Fired Boiler, equipped with low NO _x burners (Manufactured by Miura, Model LX-300)	2007	N/A	CEB4
CEB5	Central Energy Boiler #5, rated at 11.81×10^6 BTU/hr, Natural Gas Fired Boiler, equipped with low NO _x burners (Manufactured by Miura, Model LX-300)	2007	N/A	CEB5

Table 5.6 - Control Device(s) For Unit ID 02 – Group 2 Boilers			
Control Device ID	Description	Installation Date/ Modification Date	Pollutant(s) Controlled
None	None	None	None

Conditions For Unit ID 02 – Group 2 Boilers			
Condition Number	Equip ID	Regulated Pollutant/ Standard	Conditions
02.1	CEB4, CEB5	Fuel	<p>Limits/Standards: Group 2 Boilers, CEB4 and CEB5, are permitted to burn only natural gas as fuel. The use of any other substances as fuel is prohibited without prior written approval from the Bureau of Air Quality.</p> <p>Testing: None Required.</p> <p>Monitoring/Record Keeping/Reporting/Other: Not Required.</p>
02.2	CEB4, CEB5	Opacity	<p>Limits/Standards: In accordance with SC Regulation 61-62.5, Standard No. 1, Emissions from Fuel Burning Operations, Group 2 Boilers, CEB4 and CEB5, shall not discharge into the ambient air smoke which exceeds an opacity of 20%, each. The opacity standards set forth above apply at all times.</p> <p>Testing: None Required.</p> <p>Monitoring/Record Keeping/Reporting/Other: Not Required.</p>

WINTHROP UNIVERSITY

CM-2440-0084

Page 12 of 15

Conditions For Unit ID 02 – Group 2 Boilers			
Condition Number	Equip ID	Regulated Pollutant/Standard	Conditions
02.3	CEB4, CEB5	NO _x	<p>Limits/Standards: Group 2 Boilers, CEB4 and CEB5, are subject to SC Regulation 61-62.5, Standard No. 5.2 – Control of Oxides of Nitrogen, Section III, the allowable discharge of NO_x resulting from each fuel burning operation is ≤30ppmv @ 3% O₂ Dry (0.036 lb/10⁶ BTU input). Compliance with the regulation will be by the use of low NO_x burners and burning only natural gas.</p> <p>Testing: None Required.</p> <p>Monitoring/Record Keeping/Reporting/Other: In accordance with SC Regulation 61-62.5, Standard No. 5.2 – Control of Oxides of Nitrogen, Section IV, stationary sources (Group 2 Boilers, CEB4 and CEB5) that emit or have the potential to emit NO_x generated from fuel combustion constructed after 06/25/2004 must perform tune-ups every two years, a tune-up plan must be developed and kept on file, and records of tune-ups must be kept on site for a minimum of 5 years.</p>
02.4	CEB4, CEB5	NSPS, 40 CFR 60 Subparts A and DC	<p>Limits/Standards: Group 2 Boilers, CEB4 and CEB5, are subject to New Source Performance Standards (NSPS), 40 CFR 60 subparts A and Dc, Small Industrial-Commercial-Institutional Steam Generating Units, as applicable. Compliance with the regulation will be by burning only natural gas for fuel. The use of other fuels will subject this source to additional emission limitations and is prohibited without prior written approval from the Bureau of Air Quality.</p> <p>Testing: None Required.</p> <p>Monitoring/Record Keeping/Reporting/Other: The owner/operator shall record and maintain records of the amounts and types of each fuel combusted by Group 2 Boilers, CEB4 and CEB5. The amount and type of fuel combusted shall be recorded monthly. Reports shall be submitted semiannually.</p>
02.5	CEB4, CEB5	PM	<p>Limits/Standards: In accordance with SC Regulation 61-62.5, Standard No. 1 – Emissions from Fuel Burning Operations, Section II – Particulate Matter Emissions, the allowable discharge of particulate matter resulting from each fuel burning operation is 0.6 pounds per million BTU input.</p> <p>Testing: None Required.</p> <p>Monitoring/Record Keeping/Reporting/Other: Not Required.</p>
02.6	CEB4, CEB5	SO ₂	<p>Limits/Standards: In accordance with SC Regulation 61-62.5, Standard No. 1 - Emissions from Fuel Burning Operations, Section III - Sulfur Dioxide Emissions, the maximum allowable discharge of sulfur dioxide (SO₂) resulting from each fuel burning operation is 3.5 pounds per million BTU input.</p> <p>Testing: None Required.</p> <p>Monitoring/Record Keeping/Reporting/Other: Not Required.</p>

WINTHROP UNIVERSITY

CM-2440-0084

Page 13 of 15

PART 6.0 REPORTING REQUIREMENTS

TABLE 6.1 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 th July 30 th October 30 th January 30 th
Semiannual	January-June April-September July-December October-March	July 30 th October 30 th January 30 th April 30 th
Annual	January-December April-March July-June October-September	January 30 th April 30 th July 30 th October 30 th
<p>Note: This reporting schedule does not supercede any Federal reporting requirements including but not limited to 40 CFR 60, 61, and 63. All Federal reports must meet the reporting time frames specified in the Federal standard unless the Department or EPA approves a change.</p>		

PART 7.0 ADDITIONAL CONDITIONS

A. SPECIFIC CONDITIONS

Condition Number	Conditions
7.A.1	<p>Emergency power generators have been determined to be exempt from construction permitting requirements in accordance with South Carolina Regulation 61-62.1 Section II.B.2.f and as such are listed as exempt sources in this permit. These sources shall still comply with the requirements of all applicable regulations including but not limited to:</p> <ul style="list-style-type: none"> New Source Performance Standards (NSPS) 40 CFR 60 Subparts A (General Provisions); IIII (Stationary Compression Ignition Internal Combustion Engines); and JJJJ (Stationary Spark Ignition Internal Combustion Engines)
7.A.2	The Life Sciences / Sims Diesel Generator rated at 600 kW (Equip. ID LSG) is limited to operating a maximum of 500 hours per year. The owner/operator must record the actual operating hours monthly and maintain these records on site for a period of at least five (5) years from the date generated.
7.A.3	The Tillman Hall Diesel Generator rated at 230 kW (Equip. ID TG) is limited to operating a maximum of 500 hours per year. The owner/operator must record the actual operating hours monthly and maintain these records on site for a period of at least five (5) years from the date generated.
7.A.4	The North Campus Diesel Fire Pump rated at 210 HP (~156 kW) / 1500 GPM (Equip. ID NCFP) is limited to operating a maximum of 500 hours per year. The owner/operator must record the actual operating hours monthly and maintain these records on site for a period of at least five (5) years from the date generated.

WINTHROP UNIVERSITY

CM-2440-0084

Page 14 of 15

B. EXEMPT SOURCES

Equip ID	Source Description	Date Listed	Exemption Basis
DT1	#6 fuel oil storage tank rated at 5,000 gallons (pre-1980)	11/24/2003	SC Regulation 61-62.1, Section II (B)(2)(h)
ST1	#6 fuel oil storage tank rated at 100,000 gallons (pre-1980)	11/24/2003	SC Regulation 61-62.1, Section II (B)(2)(h)
ST2	#6 fuel oil storage tank rated at 68,000 gallons (pre-1980)	11/24/2003	SC Regulation 61-62.1, Section II (B)(2)(h)
ST3	#6 fuel oil storage tank rated at 68,000 gallons (pre-1980)	11/24/2003	SC Regulation 61-62.1, Section II (B)(2)(h)
LWB1	Lee Wicker Boiler rated at 1.124x10 ⁶ BTU/hr heat input	12/12/2003	SC Regulation 61-62.1, Section II (B)(2)(b)
McB1	McLaurin Boiler rated at 726,000 BTU/hr	12/12/2003	SC Regulation 61-62.1, Section II (B)(2)(b)
RB1	Richardson Boiler rated at 1.124X10 ⁶ BTU/hr	12/12/2003	SC Regulation 61-62.1, Section II (B)(2)(b)
CCB1	Conference Center Boiler #1 rated at 335,000 BTU/hr	12/12/2003	SC Regulation 61-62.1, Section II (B)(2)(b)
CCB2	Conference Center Boiler #2 rated at 335,000 BTU/hr	12/12/2003	SC Regulation 61-62.1, Section II (B)(2)(b)
WLB1	Winthrop Lodge Boiler #1 rated at 670,000 BTU/hr	12/12/2003	SC Regulation 61-62.1, Section II (B)(2)(b)
WLB2	Winthrop Lodge Boiler #2 rated at 670,000 BTU/hr	12/12/2003	SC Regulation 61-62.1, Section II (B)(2)(b)
WLB3	Winthrop Lodge Boiler #3 rated at 670,000 BTU/hr	12/12/2003	SC Regulation 61-62.1, Section II (B)(2)(b)
DB1	Dinkins Boiler rated at 186,000 BTU/hr	12/12/2003	SC Regulation 61-62.1, Section II (B)(2)(b)
JHHW	Johnson Hall Gas Hot Water Heater rated at 125,000 BTU/hr	12/12/2003	SC Regulation 61-62.1, Section II (B)(2)(b)
SHGP1	Stewart House Gas Pack #1 rated at 120,000 BTU/hr	11/24/2003	SC Regulation 61-62.1, Section II (B)(2)(h)
SHGP2	Stewart House Gas Pack #2 rated at 60,000 BTU/hr	11/24/2003	SC Regulation 61-62.1, Section II (B)(2)(h)
MHGP	Meeting House Gas Pack rated at 42,000 BTU/hr	11/24/2003	SC Regulation 61-62.1, Section II (B)(2)(h)
SGP1	The Shack Gas Pack #1 rated at 60,000 BTU/hr	11/24/2003	SC Regulation 61-62.1, Section II (B)(2)(h)
SGP2	The Shack Gas Pack #2 rated at 36,000 BTU/hr	11/24/2003	SC Regulation 61-62.1, Section II (B)(2)(h)
GRN	Greenhouse natural gas heaters (13) rated at 80,000 BTU/hr (each)	04/2009	SC Regulation 61-62.1, Section II (B)(2)(h)
FMGP1	Facilities Management Gas Pack #1 rated at 36,000 BTU/hr	11/24/2003	SC Regulation 61-62.1, Section II (B)(2)(h)
FMGP2	Facilities Management Gas Pack #2 rated at 36,000 BTU/hr	11/24/2003	SC Regulation 61-62.1, Section II (B)(2)(h)
PHF	President's House Furnace rated at 100,000 BTU/hr	11/24/2003	SC Regulation 61-62.1, Section II (B)(2)(h)
OCGP1	Operations Center Gas Pack #1 (structural) rated at 250,000 BTU/hr	11/24/2003	SC Regulation 61-62.1, Section II (B)(2)(h)
OCGP2	Operations Center Gas Pack #2 (shops) rated at 250,000 BTU/hr	11/24/2003	SC Regulation 61-62.1, Section II (B)(2)(h)

WINTHROP UNIVERSITY

CM-2440-0084

Page 15 of 15

Equip ID	Source Description	Date Listed	Exemption Basis
OCGP3	Operations Center Gas Pack #3 (receiving) rated at 100,000 BTU/hr	11/24/2003	SC Regulation 61-62.1, Section II (B)(2)(h)
OCGP4	Operations Center Gas Pack #4 rated at 100,000 BTU/hr	11/24/2003	SC Regulation 61-62.1, Section II (B)(2)(h)
OCGP5	Operations Center Gas Pack #5 (supply) rated at 220,000 BTU/hr	11/24/2003	SC Regulation 61-62.1, Section II (B)(2)(h)
LCR	Lake Complex Residence Gas Pack rated at 36,000 BTU/hr	11/24/2003	SC Regulation 61-62.1, Section II (B)(2)(h)
BB1	Bancroft Boiler rated at 2.002x10 ⁶ BTU/hr	04/2009	SC Regulation 61-62.1, Section II (B)(2)(b)
MS1	Math/Science Boiler rated at 8.66x10 ⁶ BTU/hr	04/2009	SC Regulation 61-62.1, Section II (B)(2)(b)
LSH	Life Sciences Laboratory Hoods (28 hoods and 40 linear feet of bench-top ventilation units)	04/2009	SC Regulation 61-62.1, Section II (B)(2)(b)
SSH	Sims Science Laboratory Hoods (24 hoods and 46 bench-top ventilation units)	04/2009	SC Regulation 61-62.1, Section II (B)(2)(b)
RK1	Rutledge Hall Natural Gas Ceramic Kiln #1 rated at 624,000 BTU/hr	04/2009	SC Regulation 61-62.1, Section II (B)(2)(b)
RK2	Rutledge Hall Natural Gas Ceramic Kiln #2 rated at 336,600 BTU/hr	04/2009	SC Regulation 61-62.1, Section II (B)(2)(b)
RK3	Rutledge Hall Natural Gas Ceramic Kiln #3 rated at 624,000 BTU/hr	04/2009	SC Regulation 61-62.1, Section II (B)(2)(b)
RF	Rutledge Hall Natural Gas Forge	04/2009	SC Regulation 61-62.1, Section II (B)(2)(b)
RH	Rutledge Hall (2 laboratory hoods and 30 linear feet of bench-top ventilation)	04/2009	SC Regulation 61-62.1, Section II (B)(2)(b)
WCD	West Center Natural Gas Dryers (2) rated at 20,000 BTU/hr (each)	04/2009	SC Regulation 61-62.1, Section II (B)(2)(b)
McBD	McBryde Hall Commercial Dishwasher rated at 130,000 BTU/hr	04/2009	SC Regulation 61-62.1, Section II (B)(2)(b)
LSG	Life Sciences / Sims Diesel Generator rated at 600 kW	04/2009	SC Regulation 61-62.1, Section II (B)(2)(f)
DG	Dinkins Natural Gas Generator rated at 25 kW	04/2009	SC Regulation 61-62.1, Section II (B)(2)(f)
MusG	School of Music Diesel Generator rated at 100 kW	04/2009	SC Regulation 61-62.1, Section II (B)(2)(f)
JHG	Johnson Hall Natural Gas Generator rated at 50 kW	04/2009	SC Regulation 61-62.1, Section II (B)(2)(f)
GG	Good Building Natural Gas Generator rated at 25 kW	04/2009	SC Regulation 61-62.1, Section II (B)(2)(f)
TG	Tillman Hall Diesel Generator rated at 230 kW	04/2009	SC Regulation 61-62.1, Section II (B)(2)(f)
WCG	West Center Natural Gas Generator rated at 30 kW	04/2009	SC Regulation 61-62.1, Section II (B)(2)(f)
OHG	Owens Hall Diesel Generator rated at 60 kW	04/2009	SC Regulation 61-62.1, Section II (B)(2)(f)
OCG	Operations Center Natural Gas Generator rated at 17 kW	04/2009	SC Regulation 61-62.1, Section II (B)(2)(f)
NCFP	North Campus Diesel Fire Pump rated at 210 HP (~156 kW) / 1500 GPM	04/2009	SC Regulation 61-62.1, Section II (B)(2)(f)
CCFP	Central Campus Diesel Fire Pump rated at 115 HP (~85 kW) / 1500 GPM	04/2009	SC Regulation 61-62.1, Section II (B)(2)(f)

ATTACHMENT A

Modeled Emission Rates Winthrop University CM-2440-0084 PAGE 1 OF 1

STANDARD NO. 2 - MODELED NAAQS EMISSION RATES (LBS/HR)					
SOURCE IDENTIFICATION	TSP	PM₁₀	SO₂	NO₂	CO
CEB1 - Central Energy Boiler 1	13.450	11.770	184.60	30.800	7.0600
CEB2 - Central Energy Boiler 2	13.450	11.770	184.60	30.800	7.0600
CEB4 - Central Energy Boiler 4	0.0900	0.0900	0.0070	0.5900	0.9900
CEB5 - Central Energy Boiler 5	0.0900	0.0900	0.0070	0.5900	0.9900
MS1 - Math / Science Boiler	0.0660	0.0660	0.0052	0.8660	0.7270
TCB1 - Thomson Cafeteria Boiler	0.0180	0.0180	0.0014	0.2340	0.1970
BB1 - Bancroft Boiler	0.0150	0.0150	0.0012	0.2000	0.1680
FACILITY TOTAL	27.179	23.819	369.22	64.080	17.192

STANDARD NO. 7 - MODELED PSD CLASS II INCREMENT EMISSION RATES (LBS/HR)			
SOURCE IDENTIFICATION	Minor Source Baseline Date(s)		
	12/01/1981	12/01/1981	4/05/2001
	PM₁₀	SO₂	NO₂
CEB4	0.0880	0.0070	0.5800
CEB5	0.0880	0.0070	0.5800
MS1	0.0650	0.0050	----
BB1	0.0150	0.0010	----
FACILITY TOTAL	0.2560	0.0130	1.1600

DATE

Winthrop University
701 Oakland Avenue
Rock Hill, SC 29733

ATTENTION: Mitzi Stewart

Dear Ms. Stewart:

Enclosed with this letter is Permit No. CM-2440-0084 that takes effect on [DATE]. This conditional major operating permit will limit the facility's potential to emit to below Title V Major Source thresholds, thereby restricting it from Title V Major Source status as defined in SC Regulation 61-62.70, "Title V Operating Permit Program." Please note the conditions and limitations imposed. This permit will be valid through EXPIRATION DATE. Pursuant to the South Carolina Administrative Procedures Act, this permit decision may be appealed in accordance with applicable state law. Please see the enclosed Notice of Appeal Procedure, effective July 01, 2006, for guidelines on appeal submittals.

Please be advised that the effective date of this permit begins the facility's reporting period under the terms and conditions of this permit. Abbreviated periodic reports shall be completed and submitted in accordance with the previous permit's conditions and shall cover the interim period between the previous permit reporting period and the new permit reporting period.

Please examine this new permit carefully for errors or omissions and notify the appropriate staff member, Snezana Popova, (803-898-3823) or e-mail at popovasn@dhec.sc.gov promptly if any are discovered.

Thank you for your cooperation.

Sincerely,

Elizabeth J. Basil, Director
Engineering Services Division
Bureau of Air Quality

EJB:JSD:<TYPIST'S INITIALS>

Enclosures

cc: Steve Moseley, Region 3, Lancaster EQC Office
Conditional Major File: 2440-0084

Notice of Appeal Procedure

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

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

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

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