



South Carolina Department of Health  
and Environmental Control

## Conditional Major Air Quality Permit

**Capsugel - Division of Pfizer  
535 North Emerald Road  
Greenwood, SC 29646**

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 received on July 16, 2009.

This permit is subject to and conditioned upon the terms, limitations, standards, and schedules contained in or specified on the 17 pages, with the accompanying attachments, of this permit.

**Permit Number: CM-1240-0063**  
**Issue Date: [DRAFT]**

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

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**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**

**PART 1.0 GENERAL INFORMATION**

**A. APPLICABLE PERMIT DATES**

ISSUE DATE: DRAFT  
EFFECTIVE DATE: DRAFT  
EXPIRATION DATE: DRAFT

**B. FACILITY INFORMATION**

ENVIRONMENTAL CONTACT: Mark Abell  
CONTACT TELEPHONE NUMBER: (864) 942-6620  
CONTACT FAX NUMBER: <CONTACT FAX NUMBER>  
INTERNET E-MAIL ADDRESS: Mark.Abell@pfizer.com  
FACILITY LOCATION: 535 North Emerald Road - Greenwood  
COUNTY: Greenwood  
SIC CODE(S): 2899  
NAICS CODE(S): 32541  
AFS CODE: 4504700063

**C. FACILITY MAILING ADDRESS**

FACILITY NAME: Capsugel, Division of Pfizer  
ADDRESS: 535 North Emerald Road - Greenwood  
CITY, STATE, ZIP: Greenwood, SC 29646

**D. FACILITY BILLING ADDRESS**

FACILITY BILLING NAME: Capsugel, Division of Pfizer  
ADDRESS: 535 North Emerald Road - Greenwood  
CITY, STATE, ZIP: Greenwood, SC 29646

**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.

**Capsugel, Division of Pfizer**

**CM-1240-0063**

**Page 6 of 17**

<b>Condition Number</b>	<b>Condition</b>
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> <ol style="list-style-type: none"><li>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.</li><li>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.</li><li>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.</li></ol>
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>

**Capsugel, Division of Pfizer**

**CM-1240-0063**

**Page 7 of 17**

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"> <li>1. Enter the facility where emissions-related activity is conducted, or where records must be kept under the conditions of the permit.</li> <li>2. Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit.</li> <li>3. Inspect any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.</li> <li>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.</li> </ol>
3.10	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.
3.11	The permittee shall pay fees in accordance with SC Regulation 61-30, SC Environmental Protection Fees.
3.12	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.

**PART 4.0 FACILITY WIDE REQUIREMENTS**

Condition Number	Condition
4.1	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 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.
4.2	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.
4.3	The permittee shall comply with SC Regulation 61-62.4 "Hazardous Air Pollution Conditions".

**Capsugel, Division of Pfizer**

**CM-1240-0063**

**Page 8 of 17**

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	The "Net Volatile Organic Compound (VOC) Emissions Increase" from this facility shall not exceed 100 tons since July 1, 1979. The "Net VOC Emissions Increase" includes any increases and decreases in the actual VOC emissions at the facility that have occurred since July 1, 1979 and are otherwise creditable. Increases in the VOC emissions from these existing sources may be subject to the applicability requirements of SC Regulation 61-62.5, Standard No. 5.1, Best Available Control Technology (BACT)/Lowest Achievable Emission Rate ("LAER") Applicable To Volatile Organic Compounds.
4.7	This facility is a potential major source for SO <sub>2</sub> as defined by SC Regulation 61-62.70.3(a)(1). The facility has agreed to Federally enforceable operating limitations to limits its potential to emit to less than 100 tons SO <sub>2</sub> emissions per year. Bureau approval must be obtained before the facility may increase SO <sub>2</sub> emissions over the existing permitted limits.
4.8	<p>The owner/operator shall maintain fuel usage records and any other records necessary to determine facility wide SO<sub>2</sub> emissions. SO<sub>2</sub> emissions shall be calculated on a monthly basis, and a twelve month rolling sum shall be calculated for total SO<sub>2</sub> emissions. The twelve month rolling sum shall be less than 100 TPY. Reports of the calculated values and the twelve-month rolling sum shall be submitted semiannually.</p> <p>An algorithm, including example calculations and emission factors, explaining the method used to determine emission rates shall be included in the initial report. Subsequent submittals of the algorithm and example calculations are unnecessary, unless the method of calculation is found to be unacceptable by the Bureau or if the facility changes the method of calculating emissions and/or changes emission factors.</p>
4.9	<p>The owner/operator shall maintain records of all volatile organic compounds (VOC) and hazardous air pollutants (HAP). These records shall include the total amount of each material used, the VOC content in percent by weight of each material, the HAP content in percent by weight of each material, and any other records necessary to determine facility wide VOC and HAP emissions. VOC and HAP emissions shall be calculated on a monthly basis, and a twelve-month rolling sum shall be calculated for total VOC and HAP emissions. The twelve-month rolling sum of VOCs shall be less than 100.0 tons. The twelve-month rolling sum of HAPs shall be less than 10.0 tons for any single HAP and less than 25.0 tons for combined HAPs. Reports of the calculated values and the twelve-month rolling sum shall be submitted semi-annually.</p> <p>An algorithm, including example calculations and emission factors, explaining the method used to determine emission rates shall be included in the initial report. Subsequent submittals of the algorithm and example calculations are unnecessary, unless the method of calculation is found to be unacceptable by the Bureau or if the facility changes the method of calculating emissions and/or changes emission factors.</p>

**PART 5.0 EMISSION UNIT REQUIREMENTS**

**A. EMISSION UNIT DESCRIPTION**

Unit ID	Unit Description	Control Device
01	Gelatin Capsule Printing Machines	N/A
02	Boiler 1	N/A
03	Boiler 2	N/A
04	LVCAP/LICAP Production	N/A

N/A = Not Applicable

**Capsugel, Division of Pfizer**

**CM-1240-0063**

**Page 9 of 17**

<b>TABLE 5.2 CONTROL DEVICES</b>			
<b>Control Device ID</b>	<b>Control Device Description</b>	<b>Installation Date</b>	<b>Pollutant(s) Controlled</b>
N/A	N/A	N/A	N/A

N/A = Not Applicable

**B. GENERIC CONDITIONS**

<b>GENERIC CONDITIONS</b>			
<b>Condition Number</b>	<b>Unit ID</b>	<b>Equipment ID</b>	<b>Condition</b>
GC1	01 02 03 04	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.
GC2	01 02 03 04	PB1-PB36 B01 B02 LVCAP/LICAP	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 - Gelatin Capsule Printing Machines**

<b>Equipment ID</b>	<b>Description</b>	<b>Installation Date/Modification Date</b>	<b>Control Device ID</b>	<b>Stack ID</b>
PB1-PB36	36 Gelatin capsule printing machines with emissions exhausted by four (4) vacuum pumps	1/1967, Modified in 1999 (Added 4 <sup>th</sup> pump and 6 machines)	N/A	EPGCPO

**Table 5.4 - Control Device For Unit ID 01 - Gelatin Capsule Printing Machines**

<b>Control Device ID</b>	<b>Description</b>	<b>Installation Date/Modification Date</b>	<b>Pollutant(s) Controlled</b>
N/A	N/A	N/A	N/A

**Capsugel, Division of Pfizer**

**CM-1240-0063**

**Page 10 of 17**

<b>Conditions For Unit ID 01 - Gelatin Capsule Printing Machines</b>			
<b>Condition Number</b>	<b>Equip ID</b>	<b>Regulated Pollutant/Standard</b>	<b>Conditions</b>
01.1	PB1-PB36	Opacity	<p><b>Limits/Standards:</b> In accordance with SC Regulation 61-62.5, Standard No. 4 - Emissions from Process Industries, Section IX - Visible Emissions (Where Not Specified Elsewhere), where construction or modification began after December 31, 1985, emissions (including fugitive emissions) shall not exhibit an opacity greater than 20% (each).</p> <p><b>Testing:</b> Not Required</p> <p><b>Monitoring/Record Keeping/Reporting/Other:</b> Not Required</p>

<b>Table 5.5 - Unit ID 02 - Boiler 1</b>				
<b>Equipment ID</b>	<b>Description</b>	<b>Installation Date/Modification Date</b>	<b>Control Device ID</b>	<b>Stack ID</b>
B01	30.618 x 10 <sup>6</sup> Btu/hr Cleaver Brooks, model CB200-750-150ST, natural gas boiler with No. 2 fuel oil back up	2002	N/A	EP01

<b>Table 5.6 - Control Device For Unit ID 02 - Boiler 1</b>			
<b>Control Device ID</b>	<b>Description</b>	<b>Installation Date/Modification Date</b>	<b>Pollutant(s) Controlled</b>
N/A	N/A	N/A	N/A

<b>Conditions For Unit ID 02 - Boiler 1</b>			
<b>Condition Number</b>	<b>Equip ID</b>	<b>Regulated Pollutant/Standard</b>	<b>Conditions</b>
02.1	B01	NSPS (Subpart Dc)	<p><b>Limits/Standards:</b> The boiler is subject to the New Source Performance Standard (NSPS 40 CFR 60), Subpart A, General Conditions and Subpart Dc, Small Industrial - Commercial - Institutional Steam Generating Units, for which Construction, Reconstruction or Modification Commenced after June 9, 1989. The permittee shall comply with all applicable parts of Subparts A and Dc.</p> <p><b>Testing:</b> Not Required</p> <p><b>Monitoring/Record Keeping/Reporting/Other:</b> Not Required</p>
02.2	B01	PM	<p><b>Limits/Standards:</b> 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 the fuel burning operations is 0.6 lbs/10<sup>6</sup> BTU input.</p> <p><b>Testing:</b> Not Required</p> <p><b>Monitoring/Record Keeping/Reporting/Other:</b> Not Required</p>

**Capsugel, Division of Pfizer**

**CM-1240-0063**

**Page 11 of 17**

<b>Conditions For Unit ID 02 - Boiler 1</b>			
<b>Condition Number</b>	<b>Equip ID</b>	<b>Regulated Pollutant/ Standard</b>	<b>Conditions</b>
02.3	B01	Opacity	<p><b>Limits/Standards:</b> In accordance with SC Regulation 61-62.5, Standard No. 1, Emissions from Fuel Burning Operations, Boiler 1 shall not discharge into the ambient air smoke which exceeds an opacity of 20%. The twenty (20) percent opacity limit may be exceeded for sootblowing, but may not be exceeded for more than six (6) minutes in a one hour period nor be exceeded for more than a total of twenty-four (24) minutes in a twenty-four (24) hour period. Emissions caused by sootblowing shall not exceed sixty (60) percent opacity.</p> <p><b>Testing:</b> Not Required</p> <p><b>Monitoring/Record Keeping/Reporting/Other:</b></p> <p>(A) 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.</p> <p>(B) The opacity standards set forth above do not apply during startup or shutdown. The owner/operator shall, to the extent practicable, maintain and operate any source including associated air pollution control equipment in a manner consistent with good air pollution control practices for minimizing emissions. 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> <p>Note: The boiler is Subject to Subpart Dc. The Standard 1 opacity requirements are more stringent than Subpart Dc therefore, only the Standard 1 opacity requirements are listed in this permit.</p>
02.4	B01	SO <sub>2</sub>	<p><b>Limits/Standards:</b> 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 (SO<sub>2</sub>) resulting from the fuel burning operations is 3.5 pounds per million BTU input.</p> <p><b>Testing:</b> Not Required</p> <p><b>Monitoring/Record Keeping/Reporting/Other:</b></p> <p>(A) The boiler is permitted to burn only natural gas or No.2 fuel oil (maximum of 0.5% weight percent sulfur) as fuel. The use of any other substances as fuel is prohibited without prior written approval from the Bureau of Air Quality.</p> <p>(B) Fuel oil supplier certification shall be obtained for each batch of oil received and stored on site. Acceptable fuel oil certification can be ensured by following Department guidance entitled "Guidance For Fuel Oil Certifications" issued on May 19, 2000 and any subsequent revisions.</p>

**Capsugel, Division of Pfizer**

**CM-1240-0063**

**Page 12 of 17**

<b>Conditions For Unit ID 02 - Boiler 1</b>			
<b>Condition Number</b>	<b>Equip ID</b>	<b>Regulated Pollutant/ Standard</b>	<b>Conditions</b>
02.5	B01	SO <sub>2</sub>	<p><b>Limits/Standards:</b> In accordance with Subpart Dc, (§ 60.42c(d)), no owner/operator of an effected facility that combusts oil shall cause to be discharged into the atmosphere any gases that contain SO<sub>2</sub> in excess of 0.50 lb/10<sup>6</sup> BTU input; or as an alternative, no owner/operator shall combust oil that contains greater than 0.5 weight percent sulfur.</p> <p><b>Testing:</b> Not Required</p> <p><b>Monitoring/Record Keeping/Reporting/Other:</b></p> <p>(A) The owner/operator shall record and maintain records of the amounts and types of each fuel combusted by the boiler. The amount and type of fuel combusted shall be recorded monthly.</p> <p>(B) Fuel oil supplier certification shall be obtained for each batch of oil received and stored on site. Compliance with the fuel sulfur limit shall be determined based on certification from the fuel supplier as specified in 40 CFR 60.48c(f).</p> <p>(C) Records of the fuel supplier certifications shall be submitted semi annually. In addition to records of fuel supplier certifications, the semi-annual report shall include a certified statement signed by the owner or operator of the affected facility that the records of fuel supplier certifications submitted represent all of the fuel combusted during the reporting period.</p>
02.6	B01	No. 2 Fuel Oil Consumption	<p><b>Limits/Standards:</b> In accordance with SC Regulation 61-62.1, Sections II (E) and (G) the boilers (B01 and B02) are limited to use a total of 2,786,105 gal/yr of No. 2 fuel oil (maximum of 0.5% weight percent sulfur).</p> <p><b>Testing:</b> Not Required</p> <p><b>Monitoring/Record Keeping/Reporting/Other:</b></p> <p>The owner/operator shall maintain fuel usage records and any other records necessary to determine the boilers (B01 and B02) No. 2 fuel oil consumption. No. 2 fuel oil consumption shall be calculated on a monthly basis, and a twelve month rolling sum shall be calculated for total No. 2 fuel oil consumption. The twelve month rolling sum shall not exceed 2,786,105 gal (total for both boilers). Reports of the No. 2 fuel oil consumption monthly and twelve-month rolling sum shall be submitted semiannually.</p>

**Table 5.7 - Unit ID 03 – Boiler 2**

<b>Equipment ID</b>	<b>Description</b>	<b>Installation Date/ Modification Date</b>	<b>Control Device ID</b>	<b>Stack ID</b>
B02	30,618 x 10 <sup>6</sup> Btu/hr Cleaver Brooks, model CB200-750-150ST, natural gas boiler with No. 2 fuel oil back up	2002	N/A	EP02

**Table 5.8 - Control Device For Unit ID 03 – Boiler 2**

<b>Control Device ID</b>	<b>Description</b>	<b>Installation Date/ Modification Date</b>	<b>Pollutant(s) Controlled</b>
N/A	N/A	N/A	N/A

**Capsugel, Division of Pfizer**

**CM-1240-0063**

**Page 13 of 17**

<b>Conditions For Unit ID 03 – Boiler 2</b>			
<b>Condition Number</b>	<b>Equip ID</b>	<b>Regulated Pollutant/ Standard</b>	<b>Conditions</b>
03.1	B02	NSPS (Subpart Dc)	<p><b>Limits/Standards:</b> The boiler is subject to the New Source Performance Standard (NSPS 40 CFR 60), Subpart A, General Conditions and Subpart Dc, Small Industrial - Commercial - Institutional Steam Generating Units, for which Construction, Reconstruction or Modification Commenced after June 9, 1989. The permittee shall comply with all applicable parts of Subparts A and Dc.</p> <p><b>Testing:</b> Not Required</p> <p><b>Monitoring/Record Keeping/Reporting/Other:</b> Not Required</p>
03.2	B02	PM	<p><b>Limits/Standards:</b> 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 the fuel burning operations is 0.6 lbs/10<sup>6</sup> BTU input.</p> <p><b>Testing:</b> Not Required</p> <p><b>Monitoring/Record Keeping/Reporting/Other:</b> Not Required</p>
03.3	B02	Opacity	<p><b>Limits/Standards:</b> In accordance with SC Regulation 61-62.5, Standard No. 1, Emissions from Fuel Burning Operations, Boiler 1 shall not discharge into the ambient air smoke which exceeds an opacity of 20%. The twenty (20) percent opacity limit may be exceeded for sootblowing, but may not be exceeded for more than six (6) minutes in a one-hour period nor be exceeded for more than a total of twenty-four (24) minutes in a twenty-four (24) hour period. Emissions caused by sootblowing shall not exceed sixty (60) percent opacity.</p> <p><b>Testing:</b> Not Required</p> <p><b>Monitoring/Record Keeping/Reporting/Other:</b> (A) 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. (B) The opacity standards set forth above do not apply during startup or shutdown. The owner/operator shall, to the extent practicable, maintain and operate any source including associated air pollution control equipment in a manner consistent with good air pollution control practices for minimizing emissions. 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> <p>Note: The boiler is Subject to Subpart Dc. The Standard 1 opacity requirements are more stringent than Subpart Dc therefore, only the Standard 1 opacity requirements are listed in this permit.</p>

**Capsugel, Division of Pfizer**

**CM-1240-0063**

**Page 14 of 17**

<b>Conditions For Unit ID 03 – Boiler 2</b>			
<b>Condition Number</b>	<b>Equip ID</b>	<b>Regulated Pollutant/ Standard</b>	<b>Conditions</b>
03.4	B02	SO <sub>2</sub>	<p><b>Limits/Standards:</b> 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 (SO<sub>2</sub>) resulting from the fuel burning operations is 3.5 pounds per million BTU input.</p> <p><b>Testing:</b> Not Required</p> <p><b>Monitoring/Record Keeping/Reporting/Other:</b>                      (A) The boiler is permitted to burn only natural gas or No.2 fuel oil (maximum of 0.5% weight percent sulfur) as fuel. The use of any other substances as fuel is prohibited without prior written approval from the Bureau of Air Quality.                       (B) Fuel oil supplier certification shall be obtained for each batch of oil received and stored on site. Acceptable fuel oil certification can be ensured by following Department guidance entitled “Guidance For Fuel Oil Certifications” issued on May 19, 2000 and any subsequent revisions.</p>
03.5	B02	SO <sub>2</sub>	<p><b>Limits/Standards:</b> In accordance with Subpart Dc, (§ 60.42c(d)), no owner/operator of an effected facility that combusts oil shall cause to be discharged into the atmosphere any gases that contain SO<sub>2</sub> in excess of 0.50 lb/10<sup>6</sup> BTU input; or as an alternative, no owner/operator shall combust oil that contains greater than 0.5 weight percent sulfur.</p> <p><b>Testing:</b> Not Required</p> <p><b>Monitoring/Record Keeping/Reporting/Other:</b>                      (A) The owner/operator shall record and maintain records of the amounts and types of each fuel combusted by the boiler. The amount and type of fuel combusted shall be recorded monthly.                       (B) Fuel oil supplier certification shall be obtained for each batch of oil received and stored on site. Compliance with the fuel sulfur limit shall be determined based on certification from the fuel supplier as specified in 40 CFR 60.48c(f).                       (C) Records of the fuel supplier certifications shall be submitted semi annually. In addition to records of fuel supplier certifications, the semi-annual report shall include a certified statement signed by the owner or operator of the affected facility that the records of fuel supplier certifications submitted represent all of the fuel combusted during the reporting period.</p>
03.6	B02	No. 2 Fuel Oil Consumption	<p><b>Limits/Standards:</b> In accordance with SC Regulation 61-62.1, Sections II (E) and (G) the boilers (B01 and B02) are limited to use a total of 2,786,105 gal/yr of No. 2 fuel oil (maximum of 0.5% weight percent sulfur).</p> <p><b>Testing:</b> Not Required</p> <p><b>Monitoring/Record Keeping/Reporting/Other:</b>                      The owner/operator shall maintain fuel usage records and any other records necessary to determine the boilers (B01 and B02) No. 2 fuel oil consumption. No. 2 fuel oil consumption shall be calculated on a monthly basis, and a twelve month rolling sum shall be calculated for total No. 2 fuel oil consumption. The twelve month rolling sum shall not exceed 2,786,105 gal (total for both boilers). Reports of the No. 2 fuel oil consumption monthly and twelve-month rolling sum shall be submitted semiannually.</p>

<b>Table 5.9 - Unit ID 04 – LVCAP/LICAP Production</b>				
<b>Equipment ID</b>	<b>Description</b>	<b>Installation Date/ Modification Date</b>	<b>Control Device ID</b>	<b>Stack ID</b>
LVCAP/LICAP Machines (1 thru 5)	Five (5) Production Lines for VCAP/LICAP with a maximum production capacity of 1.2 x 10 <sup>9</sup> Dietary Supplement Capsules per year equipped with a total of five (5) machines	2003*	N/A	EPLICAP/VCAP

\* The approximate installation date of LVCAP/LICAP Machines #4 and #5 is December 2007

<b>Table 5.10 - Control Device For Unit ID 04 – LVCAP/LICAP Production</b>			
<b>Control Device ID</b>	<b>Description</b>	<b>Installation Date/ Modification Date</b>	<b>Pollutant(s) Controlled</b>
N/A	N/A	N/A	N/A

<b>Conditions For Unit ID 04 – LVCAP/LICAP Production</b>			
<b>Condition Number</b>	<b>Equip ID</b>	<b>Regulated Pollutant/ Standard</b>	<b>Conditions</b>
04.1	LVCAP/LICAP Machines (1 thru 5)	Opacity	<p><b>Limits/Standards:</b> In accordance with SC Regulation 61-62.5, Standard No. 4 - Emissions from Process Industries, Section IX - Visible Emissions (Where Not Specified Elsewhere), where construction or modification began after December 31, 1985, emissions (including fugitive emissions) shall not exhibit an opacity greater than 20% (each).</p> <p><b>Testing:</b> Not Required</p> <p><b>Monitoring/Record Keeping/Reporting/Other:</b> Not Required</p>

**PART 6.0 REPORTING REQUIREMENTS**

<b>TABLE 6.1 PERIODIC REPORTING SCHEDULE</b>		
<b>Compliance Monitoring Report Submittal Frequency</b>	<b>Reporting Period (Begins on the effective date of the permit)</b>	<b>Report Due Date</b>
Quarterly	January-March	April 30 <sup>th</sup>
	April-June	July 30 <sup>th</sup>
	July-September	October 30 <sup>th</sup>
	October-December	January 30 <sup>th</sup>
Semiannual	January-June	July 30 <sup>th</sup>
	April-September	October 30 <sup>th</sup>
	July-December	January 30 <sup>th</sup>
	October-March	April 30 <sup>th</sup>

**TABLE 6.1 PERIODIC REPORTING SCHEDULE**

Compliance Monitoring Report Submittal Frequency	Reporting Period (Begins on the effective date of the permit)	Report Due Date
Annual	January-December April-March July-June October-September	January 30 <sup>th</sup> April 30 <sup>th</sup> July 30 <sup>th</sup> October 30 <sup>th</sup>
<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	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.

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**Capsugel, Division of Pfizer**

**CM-1240-0063**

**Page 17 of 17**

**B. EXEMPT SOURCES**

<b>Equip ID</b>	<b>Source Description (Date Listed)</b>	<b>Exemption Basis</b>
A	Five (5) Kathapac Exhaust Stacks	SC Regulation 62.5, Std. 8(B)
B	Emergency Fire Pump Engine and Feed Tank (360 gal)	SC Regulation 61-62.1, Section II, B (2)(f); SC Regulation 61-62.1, Section II, B (2)(h)
C	(76,300 Gallons) Fuel Oil Tank T-01 (for boiler back-up)	SC Regulation 61-62.1, Section II, B(2)(h)
DC1	One (1) Torit Dust Collector located in the Additives Preparation Area (03/28/07)	SC Regulation 61-62.1, Section II, B(2)(h)
DC2	One (1) Torit Dust Collector located in the Trim System Area (03/28/07)	SC Regulation 61-62.1, Section II, B(2)(h)
DC3	One (1) Torit Dust Collector located in the Detroit Mechanical Room (03/28/07)	SC Regulation 61-62.1, Section II, B(2)(h)
DC4	One (1) Torit Dust Collector located in the Capsule Grinding Area (03/28/07)	SC Regulation 61-62.1, Section II, B(2)(h)
DC5	One (1) Torit Dust Collector located in the Buffer Station in the Moldbar Manufacturing Area (03/28/07)	SC Regulation 61-62.1, Section II, B(2)(h)
DC6	One (1) Torit Dust Collector located in the Greenwood Mechanical Room (2009)	SC Regulation 61-62.1, Section II, B(2)(h)
EBOIL	Electric Boiler (07/2006)	SC Regulation 61-62.1, Section II, B(2)(g)
HCM37	Vcaps Plus Machine and associated rooftop ventilation unit (also know as a mix box exhaust)	SC Regulation 61-62.1, Section II, B(2)(g)
HCM38	Vcaps Plus Machine and associated rooftop ventilation unit (also known as a mix box exhaust)	SC Regulation 61-62.1, Section II, B(2)(g)

## ATTACHMENT A

**Modeled Emission Rates**  
**Capsugel, Division of Pfizer**  
**CM-1240-0063**  
**PAGE 1 OF 1**

<b>AMBIENT AIR QUALITY STANDARDS - STANDARD 2</b>					
<b>STACK</b>	<b>Modeled Emission Rates (lbs/hr)</b>				
	<b>TSP</b>	<b>PM<sub>10</sub></b>	<b>SO<sub>2</sub></b>	<b>NO<sub>x</sub></b>	<b>CO</b>
B01, B02 (total)	1.51	1.03	32.32	15.58	9.42
FACILITY TOTAL	1.51	1.03	32.32	15.58	9.42

<b>STANDARD NO. 8 – TOXIC AIR POLLUTANTS LEVEL I DE MINIMIS ANALYSIS</b>				
<b>POLLUTANT</b>	<b>CAS NUMBER</b>	<b>EMISSION RATE (LBS/DAY)</b>	<b>DE MINIMIS (LBS/DAY)</b>	<b>PASS (Y or N)</b>
Methanol	67561	4.84	15.72	Y

draft

CURRENT DATE

Capsugel, Division of Pfizer  
535 North Emerald Road  
Greenwood, SC 29646

**ATTENTION:** Mark Abell

Dear Mr. Abell:

Enclosed with this letter is Permit No. CM-1240-0063 that takes effect on [DRAFT]. 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 DRAFT. 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 examine this new permit carefully for errors or omissions and notify the appropriate staff member, Jo Anna Cunningham, (803-898-3248) or e-mail at [cunninja@dhec.sc.gov](mailto:cunninja@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:JC:<TYPIST'S INITIALS>

Enclosures

cc: Mark Harvley, Region 1, Greenwood EQC Office  
Conditional Major File: CM-1240-0063  
Main File: 1240-0063

## 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.**