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June 29, 2012

Mr. Kenneth Murray  
Medical University of South Carolina  
171 Ashley Avenue  
Charleston, SC 29485-8180

Re: Coverage to Operate Under the Terms and Conditions of the General Conditional Major Operating Permit for Fuel Combustion Operations

Dear Mr. Murray:

Enclosed is the General Conditional Major Operating Permit for Fuel Combustion Operations that became effective on April 01, 2011. The federally enforceable emissions limitations and operational requirements contained within this General Conditional Major Operating Permit are designed to restrict this facility's potential to emit to below major source thresholds. This renewed General Conditional Major Operating Permit will be valid through March 31, 2021. Your facility's coverage under the terms and conditions of this permit shall be effective on June 29, 2012.

Please be advised that a new periodic reporting period begins upon the effective date of this renewed 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 renewed permit reporting period. Reports required under the terms and conditions of this renewed Conditional Major Operating Permit must be completed and submitted in a timely manner in accordance with the periodic reporting schedule found in Part 4.B of this permit. The Department has developed an Excel spreadsheet that may help you in maintaining "Fuel Usage Records for General Conditional Major Operating Permit Reporting," which can be found at the following web site address:

[http://www.scdhec.gov/environment/baq/docs/permitting/GPermitApps/Fuel\\_Record\\_Reporting\\_Worksheet.xls](http://www.scdhec.gov/environment/baq/docs/permitting/GPermitApps/Fuel_Record_Reporting_Worksheet.xls)

It is important for you and/or an authorized representative responsible for the overall operation of this facility to read this issued permit carefully and to understand all requirements. If any errors or omissions are discovered, please notify Charles P. Beam, P.E. of my staff, via e-mail at beamcp@dhec.sc.gov, or call 803-898-9524 immediately.

Pursuant to the South Carolina Administrative Procedures Act, any Department decision involving the issuance, denial, suspension, or revocation of a permit or certification may be appealed by the applicant, permittee, licensee, or affected person. Please see the enclosed "Notice of Appeal Procedure" for guidelines on filing an appeal.

Sincerely,

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

EJB:cpb:kal

Enclosure

ec: Mark Hiott, Region 7, Charleston EQC Office  
cc: Permit File: 0560-0024



# ATTACHMENT A

## Facility Information

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### D - EQUIPMENT INSTALLED

Equipment ID	Equipment Description	Control Devices	Fuels Used	Installation Date	Modification Date	Emission Point ID
B850-1	4.5 x 10 <sup>6</sup> BTU/HR Boiler	N/A	Primary fuel-natural gas Secondary fuel -No. 2 fuel oil w/ max. 0.05% sulfur by wt.	2009	N/A	S03
SAC-1	6.3 x 10 <sup>6</sup> BTU/HR Boiler	N/A	Primary fuel-natural gas Secondary fuel -No. 2 fuel oil w/ max. 0.05% sulfur by wt.	1994	N/A	SAC1
HCC-2	8.4 x 10 <sup>6</sup> BTU/HR Boiler	N/A	Primary fuel-natural gas Secondary fuel -No. 2 fuel oil w/ max. 0.05% sulfur by wt.	2004	N/A	HCC-2
B300-1	33.5 x 10 <sup>6</sup> BTU/HR Boiler	N/A	Primary fuel-natural gas Secondary fuel -No. 2 fuel oil w/ max. 0.05% sulfur by wt.	1989	N/A	S01A
B300-2	33.5 x 10 <sup>6</sup> BTU/HR Boiler	N/A	Primary fuel-natural gas Secondary fuel -No. 2 fuel oil w/ max. 0.05% sulfur by wt.	1989	N/A	S01B
B300-3	33.5 x 10 <sup>6</sup> BTU/HR Boiler	N/A	Primary fuel-natural gas Secondary fuel -No. 2 fuel oil w/ max. 0.05% sulfur by wt.	1989	N/A	S01C
B770-1	13.4 x 10 <sup>6</sup> BTU/HR Boiler	N/A	Primary fuel-natural gas Secondary fuel -No. 2 fuel oil w/ max. 0.05% sulfur by wt.	1995	N/A	S07
B770-2	13.4 x 10 <sup>6</sup> BTU/HR Boiler	N/A	Primary fuel-natural gas Secondary fuel -No. 2 fuel oil	1995	N/A	S08

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**D - EQUIPMENT INSTALLED**

<b>Equipment ID</b>	<b>Equipment Description</b>	<b>Control Devices</b>	<b>Fuels Used</b>	<b>Installation Date</b>	<b>Modification Date</b>	<b>Emission Point ID</b>
			w/ max. 0.05% sulfur by wt.			
HCC-1	14.6 x 10 <sup>6</sup> BTU/HR Boiler	N/A	Primary fuel-natural gas Secondary fuel -No. 2 fuel oil w/ max. 0.05% sulfur by wt.	2004	N/A	HCC-1
BSB-2	32.66 x 10 <sup>6</sup> BTU/HR Boiler	N/A	Primary fuel-natural gas Secondary fuel -No. 2 fuel oil w/ max. 0.05% sulfur by wt.	2004	N/A	BSB-2
CEP-1	20.41 x 10 <sup>6</sup> BTU/HR Boiler	N/A	Primary fuel-natural gas Secondary fuel -No. 2 fuel oil w/ max. 0.05% sulfur by wt.	2006	N/A	S17
CEP-2	20.41 x 10 <sup>6</sup> BTU/HR Boiler	N/A	Primary fuel-natural gas Secondary fuel -No. 2 fuel oil w/ max. 0.05% sulfur by wt.	2006	N/A	S17
CEP-3	20.41 x 10 <sup>6</sup> BTU/HR Boiler	N/A	Primary fuel-natural gas Secondary fuel -No. 2 fuel oil w/ max. 0.05% sulfur by wt.	2006	N/A	S17
DDB-1	32.2 x 10 <sup>6</sup> BTU/HR Boiler	N/A	Primary fuel-natural gas Secondary fuel -No. 2 fuel oil w/ max. 0.05% sulfur by wt.	2010	N/A	S20
EOS-2	Counter Top Ethylene Oxide Sterilizer	N/A	Ethylene Oxide	1997	N/A	EOS1
EOS-3	Counter Top Ethylene Oxide Sterilizer	N/A	Ethylene Oxide	2010	N/A	EOS2 EOS3

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#### E - EXEMPT SOURCES

Equipment ID	Equipment Description	Installation Date	Modification Date	Basis
A	350 kW John Deere Diesel Emergency Generator (0.05% max. sulfur)	1999	N/A	SC Regulation 61-62.1, Section II (B)(2)(f)(ii)
C	400 kW US Motors Diesel Emergency Generator (0.0015% max. sulfur)	2003	N/A	SC Regulation 61-62.1, Section II (B)(2)(f)(ii)
E	350 kW Cummings Diesel Emergency Generator (0.05% max. sulfur)	1985	N/A	SC Regulation 61-62.1, Section II (B)(2)(f)(ii)
F	350 kW Cummings Diesel Emergency Generator (0.05% max. sulfur)	1985	N/A	SC Regulation 61-62.1, Section II (B)(2)(f)(ii)
G	300 kW Lima Diesel Emergency Generator (0.05% max. sulfur)	1985	N/A	SC Regulation 61-62.1, Section II (B)(2)(f)(ii)
K	750 kW Lima Diesel Emergency Generator (0.05% max. sulfur)	1987	N/A	SC Regulation 61-62.1, Section II (B)(2)(f)(ii)
L	750 kW Lima Diesel Emergency Generator (0.05% max. sulfur)	1987	N/A	SC Regulation 61-62.1, Section II (B)(2)(f)(ii)
M	750 kW Lima Diesel Emergency Generator (0.05% max. sulfur)	1987	N/A	SC Regulation 61-62.1, Section II (B)(2)(f)(ii)
N	750 kW Lima Diesel Emergency Generator (0.05% max. sulfur)	1987	N/A	SC Regulation 61-62.1, Section II (B)(2)(f)(ii)
O	400 kW Kohler Diesel Emergency Generator (0.05% max. sulfur)	1999	N/A	SC Regulation 61-62.1, Section II (B)(2)(f)(ii)
P	130 HP Fire Pump, 1 <sup>st</sup> Floor Main Hospital	2004	N/A	SC Regulation 61-62.1, Section II (B)(2)(f)(i)
Q	433 kW Detroit Diesel Emergency Generator (0.05% max. sulfur)	1999	N/A	SC Regulation 61-62.1, Section II (B)(2)(f)(ii)
S	750 kW Caterpillar Diesel Emergency Generator (0.05% max. sulfur)	1999	N/A	SC Regulation 61-62.1, Section II (B)(2)(f)(ii)
T	500 kW Caterpillar Diesel Emergency Generator (0.05% max. sulfur)	1993	N/A	SC Regulation 61-62.1, Section II (B)(2)(f)(ii)
U	650 kW Caterpillar Diesel Emergency Generator (0.05% max. sulfur)	1993	N/A	SC Regulation 61-62.1, Section II (B)(2)(f)(ii)
V	360 kW Detroit Diesel Emergency Generator (0.05% max. sulfur)	1991	N/A	SC Regulation 61-62.1, Section II (B)(2)(f)(ii)
W	800 kW Cummings/Onan Diesel Emergency Generator (0.05% max. sulfur)	1996	N/A	SC Regulation 61-62.1, Section II (B)(2)(f)(ii)
X	800 kW Cummings/Onan Diesel Emergency Generator (0.05% max. sulfur)	1996	N/A	SC Regulation 61-62.1, Section II (B)(2)(f)(ii)
Y	680 kW Detroit Diesel Emergency Generator (0.0015% max. sulfur) Digestive Disease Ctr.	2003	N/A	SC Regulation 61-62.1, Section II (B)(2)(f)(ii)
AA	500 kW Caterpillar Diesel Emergency Generator (0.05% max. sulfur) Basic Science Bldg. Roof	2004	N/A	SC Regulation 61-62.1, Section II (B)(2)(f)(ii)
BB	500 kW Caterpillar Diesel Emergency Generator (0.05% max. sulfur) Psychiatry Hospital Roof	2000	N/A	SC Regulation 61-62.1, Section II (B)(2)(f)(ii)

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### E - EXEMPT SOURCES

Equipment ID	Equipment Description	Installation Date	Modification Date	Basis
CC	100 kW Detroit Diesel Emergency Generator (0.05% max. sulfur) Allied Health Bldg. Roof	1976	N/A	SC Regulation 61-62.1, Section II (B)(2)(f)(ii)
DD	150 kW Detroit Diesel Emergency Generator (0.05% max. sulfur) Harborview Bldg. Roof	1990	N/A	SC Regulation 61-62.1, Section II (B)(2)(f)(i)
EE	55 kW John Deere Portable Diesel Emergency Generator (0.05% max. sulfur) Electric Shop	2009	N/A	SC Regulation 61-62.1, Section II (B)(2)(f)(i)
FF	Two (2) 4 x 10 <sup>5</sup> BTU/HR Natural Gas fired Water Heaters Harper Student Ctr.	2004	N/A	SC Regulation 61-62.1, Section II (B)(2)(a)
GG	1.44 x 10 <sup>6</sup> BTU/HR Natural Gas fired Water Heater Student Wellness Ctr.	2011	N/A	SC Regulation 61-62.1, Section II (B)(2)(a)
HH	3.6 x 10 <sup>5</sup> BTU/HR Natural Gas fired Water Heater Colcock Hall	2003	N/A	SC Regulation 61-62.1, Section II (B)(2)(a)
II	750 kW Caterpillar Diesel Emergency Generator (0.05% max. sulfur) 4 <sup>th</sup> floor Main Hospital	2003	N/A	SC Regulation 61-62.1, Section II (B)(2)(f)(ii)
JJ	355 kW Kohler Diesel Emergency Generator (0.05% max. sulfur) East Side of Quadrangle Bldg. E	2004	N/A	SC Regulation 61-62.1, Section II (B)(2)(f)(ii)
KK	25 kW Generac Natural Gas fired Emergency Generator	2002	N/A	SC Regulation 61-62.1, Section II (B)(2)(f)(i)
LL	Two (2) 3.6 x 10 <sup>5</sup> BTU/HR Natural Gas fired Water Heaters Student Wellness Ctr.	2004	N/A	SC Regulation 61-62.1, Section II (B)(2)(a)
MM	Two (2) 2.5 x 10 <sup>5</sup> BTU/HR Natural Gas fired Water Heaters Hollings Cancer Ctr.	2005	N/A	SC Regulation 61-62.1, Section II (B)(2)(a)
NN	500 kW Caterpillar Diesel Emergency Generator (0.05% max. sulfur) 7 <sup>th</sup> floor Clinical Sciences Bldg.	2004	N/A	SC Regulation 61-62.1, Section II (B)(2)(f)(ii)
OO	105 kW Katolight Diesel Emergency Generator (0.05% max. sulfur) Public Safety Bldg.	2004	N/A	SC Regulation 61-62.1, Section II (B)(2)(f)(i)
PP	7.5 x 10 <sup>4</sup> BTU/HR Natural Gas fired Water Heater 1 <sup>st</sup> Floor Physical Plant	1996	N/A	SC Regulation 61-62.1, Section II (B)(2)(a)
RR	1620 kW Caterpillar Diesel Emergency Generator (0.05% max. sulfur) BSB Mech. Rm. Expansion	2003	N/A	SC Regulation 61-62.1, Section II (B)(2)(f)(ii)
SS	1620 kW Caterpillar Diesel Emergency Generator (0.05% max. sulfur) BSB Mech. Rm. Expansion	2003	N/A	SC Regulation 61-62.1, Section II (B)(2)(f)(ii)
TT	1000 kW Caterpillar Diesel Emergency Generator (0.05% max. sulfur) Hollings Cancer Ctr.	2005	N/A	SC Regulation 61-62.1, Section II (B)(2)(f)(ii)
VV	300 kW Caterpillar Diesel Emergency	2005	N/A	SC Regulation 61-62.1,

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**E - EXEMPT SOURCES**

<b>Equipment ID</b>	<b>Equipment Description</b>	<b>Installation Date</b>	<b>Modification Date</b>	<b>Basis</b>
	Generator (0.05% max. sulfur) Parking Garage @ old Charleston High School			Section II (B)(2)(f)(ii)
WW	800 kW Caterpillar Diesel Emergency Generator (0.05% max. sulfur) Strom Thurman Bldg. Roof	2005	N/A	SC Regulation 61-62.1, Section II (B)(2)(f)(ii)
XX	230 kW Detroit Diesel Emergency Generator (0.05% max. sulfur) Parking Garage No. 2 Roof	2002	N/A	SC Regulation 61-62.1, Section II (B)(2)(f)(ii)
YY	2250 kW Caterpillar Diesel Emergency Generator (0.05% max. sulfur)	2006	N/A	SC Regulation 61-62.1, Section II (B)(2)(f)(ii)
ZZ	2000 kW Caterpillar Diesel Emergency Generator (0.05% max. sulfur) Penthouse New Patient Tower	2008	N/A	SC Regulation 61-62.1, Section II (B)(2)(f)(ii)
AAA	2000 kW Caterpillar Diesel Emergency Generator (0.05% max. sulfur) Penthouse New Patient Tower	2008	N/A	SC Regulation 61-62.1, Section II (B)(2)(f)(ii)
BBB	65 kW Magnum/John Deere Portable Diesel Emergency Generator (0.05% max. sulfur) Loading Dock 1 <sup>st</sup> floor CRI Bldg.	2010	N/A	SC Regulation 61-62.1, Section II (B)(2)(f)(i)
CCC	360 kW Detroit Diesel Emergency Generator (0.05% max. sulfur) CDM Bldg.	2009	N/A	SC Regulation 61-62.1, Section II (B)(2)(f)(ii)
DDD	800 kW Caterpillar Diesel Emergency Generator (0.05% max. sulfur) w/ 1000 gallon storage tank	2008	N/A	SC Regulation 61-62.1, Section II (B)(2)(f)(ii)
EEE	800 kW Caterpillar Diesel Emergency Generator (0.05% max. sulfur) w/ 1000 gallon storage tank	2008	N/A	SC Regulation 61-62.1, Section II (B)(2)(f)(ii)
FFF	800 kW Caterpillar Diesel Emergency Generator (0.05% max. sulfur) w/ 1000 gallon storage tank	2008	N/A	SC Regulation 61-62.1, Section II (B)(2)(f)(ii)
GGG	1500 kW Caterpillar Diesel Emergency Generator (0.05% max. sulfur) Drug Discovery Bldg.	2011	N/A	SC Regulation 61-62.1, Section II (B)(2)(f)(ii)
HHH	56 kW John Deere Mobile Emergency Generator Quadrangle Bldg. E	2008	N/A	SC Regulation 61-62.1, Section II (B)(2)(f)(i)
III	240 kW Kohler Diesel Emergency Generator (0.05% max. sulfur) 135 Cannon St.	2003	N/A	SC Regulation 61-62.1, Section II (B)(2)(f)(ii)
JJJ	1000 kW Caterpillar Diesel Emergency Generator (0.05% max. sulfur)	2010	N/A	SC Regulation 61-62.1, Section II (B)(2)(f)(ii)
KKK	1000 kW Caterpillar Diesel Emergency Generator (0.05% max. sulfur)	2010	N/A	SC Regulation 61-62.1, Section II (B)(2)(f)(ii)

# ATTACHMENT A

## Facility Information

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### E - EXEMPT SOURCES

Equipment ID	Equipment Description	Installation Date	Modification Date	Basis
LLL	150 kW Caterpillar Diesel Emergency Generator (0.05% max. sulfur)	2010	N/A	SC Regulation 61-62.1, Section II (B)(2)(f)(i)
MMM	500 kW Caterpillar Diesel Emergency Generator (0.05% max. sulfur)	2011	N/A	SC Regulation 61-62.1, Section II (B)(2)(f)(ii)
ESB-1	4.2 x 10 <sup>6</sup> BTU/HR Natural Gas fired Kewanee Boiler Nursing School	Unknown (Manufactured in 1982)	N/A	SC Regulation 61-62.1, Section II (B)(2)(a)
ESB-2	2.1 x 10 <sup>6</sup> BTU/HR Natural Gas fired Cleaver Brooks Hot Water Boiler Family Practice	1981	N/A	SC Regulation 61-62.1, Section II (B)(2)(a)
ESB-3	2.5 x 10 <sup>6</sup> BTU/HR Natural Gas fired Cleaver Brooks Boiler Hollings Cancer Ctr.	1994	N/A	SC Regulation 61-62.1, Section II (B)(2)(a)
ESB-4	2.5 x 10 <sup>6</sup> BTU/HR Natural Gas fired Cleaver Brooks Boiler Hollings Cancer Ctr.	1994	N/A	SC Regulation 61-62.1, Section II (B)(2)(a)
ESB-5	2.5 x 10 <sup>6</sup> BTU/HR Natural Gas fired Cleaver Brooks Boiler Hollings Cancer Ctr.	1994	N/A	SC Regulation 61-62.1, Section II (B)(2)(a)
ESB-6	2.5 x 10 <sup>6</sup> BTU/HR Natural Gas fired Cleaver Brooks Boiler Hollings Cancer Ctr.	1994	N/A	SC Regulation 61-62.1, Section II (B)(2)(a)
ESB-7	2.94 x 10 <sup>6</sup> BTU/HR Natural Gas fired Boiler Basic Science Bldg.	1998	N/A	SC Regulation 61-62.1, Section II (B)(2)(a)
ESB-8	5.23 x 10 <sup>6</sup> BTU/HR Natural Gas fired Boiler Childrens Research Institute	2004	N/A	SC Regulation 61-62.1, Section II (B)(2)(a)
ESB-9	1.7 x 10 <sup>6</sup> BTU/HR Natural Gas fired Boiler Institute of Psychiatry	2004	N/A	SC Regulation 61-62.1, Section II (B)(2)(a)
ESB-10	1.7 x 10 <sup>6</sup> BTU/HR Natural Gas fired Boiler Institute of Psychiatry	2004	N/A	SC Regulation 61-62.1, Section II (B)(2)(a)
ESB-11	1.7 x 10 <sup>6</sup> BTU/HR Natural Gas fired Boiler Institute of Psychiatry	2004	N/A	SC Regulation 61-62.1, Section II (B)(2)(a)
ESB-12	7.4 x 10 <sup>6</sup> BTU/HR Natural Gas fired Boiler College of Dental Medicine	2009	N/A	SC Regulation 61-62.1, Section II (B)(2)(a)
ESB-13	7.4 x 10 <sup>6</sup> BTU/HR Natural Gas fired Boiler College of Dental Medicine	2009	N/A	SC Regulation 61-62.1, Section II (B)(2)(a)
ESB-14	2.3 x 10 <sup>6</sup> BTU/HR Natural Gas fired Boiler CHP Bldg. Roof	2009	N/A	SC Regulation 61-62.1, Section II (B)(2)(a)
ESB-15	7.35 x 10 <sup>5</sup> BTU/HR Natural Gas fired Boiler CDM Bldg.	2009	N/A	SC Regulation 61-62.1, Section II (B)(2)(a)
ESB-16	7.35 x 10 <sup>5</sup> BTU/HR Natural Gas fired Boiler	2009	N/A	SC Regulation 61-62.1, Section II (B)(2)(a)
ESB-17	2.0 x 10 <sup>6</sup> BTU/HR Natural Gas fired Boiler	2009	N/A	SC Regulation 61-62.1, Section II (B)(2)(a)

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**Facility Information**

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**F - CONDITIONS**

Condition Number	Equipment/ Control Device ID	Regulated Pollutant/ Standard	Conditions
F.1	B850-1, SAC-1, HCC-2, B300-1, B300-2, B300-3, B770-1, B770-2, HCC-1, BSB-2, CEP-1, CEP-2, CEP-3, DDB-1	40 CFR 63 NESHAP Subpart JJJJJ	<p><b>Limits/Standards:</b> These boilers are permitted to burn natural gas and No. 2 fuel oil. However, in accordance with 40 CFR 63.11195(e), if the gas-fired boiler, as defined in 40 CFR 63.11237, burns natural gas as primary fuel and burns No. 2 fuel oil only during natural gas curtailment, gas supply emergency, or periodic testing on liquid fuel (not to exceed a combined total of 48 hours during any calendar year), the source is not subject to 40 CFR Part 63, National Emission Standards for Hazardous Air Pollutants, Subparts A and JJJJJ – Industrial, Commercial, and Institutional Boilers Area Sources. If the gas fired boiler uses fuel oil outside of natural gas curtailment, gas supply emergency, or during periodic testing on liquid fuel as defined in 40 CFR 63.11237, the boiler will be subject to Subpart JJJJJ.</p> <p><b>State Only:</b> No</p> <p><b>Testing:</b> Not required</p> <p><b>Monitoring/Record Keeping/Reporting/Other:</b> The owner/operator shall record and maintain records of the amounts of fuel combusted by each boiler. The amount of fuel combusted shall be recorded monthly.</p>

## ATTACHMENT B

### Modeled Emission Rates

**Medical University of South Carolina**

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The emission rates listed herein are not considered federally 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.

<b>AMBIENT AIR QUALITY STANDARDS - STANDARD NO. 2</b>					
<b>Emission Point ID</b>	<b>Modeled Emission Rates (lbs/hr)</b>				
	<b>PM</b>	<b>PM<sub>10</sub></b>	<b>PM<sub>2.5</sub></b>	<b>SO<sub>2</sub></b>	<b>NO<sub>x</sub></b>
BSB-2	--	0.56	--	1.66	--
HCC-1	--	0.24	--	0.74	--
HCC-2	--	0.14	--	0.43	--
S01A	--	1.65	--	5.10	--
S01B	--	1.65	--	5.10	--
S01C	--	1.65	--	5.10	--
B850-1	--	0.08	--	0.23	--
B770-1	--	0.22	--	0.68	--
B770-2	--	0.22	--	0.68	--
CEP-1	--	1.02	--	3.12	--
CEP-2	--	1.02	--	3.12	--
CEP-3	--	1.02	--	3.12	--
DDB-1	--	0.51	--	1.57	--
SAC-1	--	0.11	--	0.32	--
YY	--	0.13	--	0.39	--

<b>AMBIENT AIR QUALITY STANDARDS - STANDARD NO. 2</b>					
<b>Emission Point ID</b>	<b>Modeled Emission Rates (lbs/hr)</b>				
	<b>CO</b>	<b>Lead</b>	<b>HF</b>	<b>NO<sub>2</sub></b>	
BSB-2	2.74	--	--	3.50	
HCC-1	1.20	--	--	1.54	
HCC-2	0.69	--	--	0.89	
S01A	8.28	--	--	5.93	
S01B	8.28	--	--	5.93	
S01C	8.28	--	--	5.93	
B850-1	0.37	--	--	0.48	
B770-1	1.10	--	--	1.43	
B770-2	1.10	--	--	1.43	
CEP-1	5.04	--	--	0.70	
CEP-2	5.04	--	--	0.70	
CEP-3	5.04	--	--	0.70	
DDB-1	2.65	--	--	2.79	
SAC-1	0.52	--	--	0.675	
YY	0.27	--	--	0.83	

<b>CLASS II PREVENTION OF SIGNIFICANT DETERIORATION - STANDARD NO. 7</b>					
<b>Emission Point ID</b>	<b>Modeled Emission Rates (lbs/hr)</b>				
	<b>PM<sub>2.5</sub></b>	<b>PM<sub>10</sub></b>	<b>SO<sub>2</sub></b>	<b>NO<sub>x</sub></b>	
BSB-2	--	0.556	1.66	--	
HCC-1	--	0.24	0.74	--	

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### Modeled Emission Rates

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<b>CLASS II PREVENTION OF SIGNIFICANT DETERIORATION - STANDARD NO. 7</b>				
Emission Point ID	Modeled Emission Rates (lbs/hr)			
	PM <sub>2.5</sub>	PM <sub>10</sub>	SO <sub>2</sub>	NO <sub>x</sub>
HCC-2	--	0.14	0.43	--
S01A	--	1.65	5.10	--
S01B	--	1.65	5.10	--
S01C	--	1.65	5.10	--
B850-1	--	0.08	0.23	--
B770-1	--	0.22	0.68	--
B770-2	--	0.22	0.68	--
CEP-1	--	1.02	3.12	--
CEP-2	--	1.02	3.12	--
CEP-3	--	1.02	3.12	--
DDB-1	--	0.51	1.57	--
SAC-1	--	0.11	0.32	--
YY	--	0.13	0.39	--

<b>TOXIC AIR POLLUTANTS MODELED - STANDARD NO. 8</b>	
Emission Point ID	Modeled Emission Rates (lbs/hr)
	Ethylene Oxide 75-21-8
EOS1	0.055
EOS2	0.05
EOS3	0.0055