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February 22, 2013

Mr. Andrew Griffin  
City of Florence WWMF  
City-County Complex AA  
180 North Irby Street  
Florence, SC 29501-3456

Re: Modification to Attachments A and B for the General Conditional Major Operating Permit for Fuel Combustion Operations No. GCM-1040-0079 and Modified General Conditional Major Operating Permit

Dear Mr. Griffin:

Enclosed is the modified General Conditional Major Operating Permit and Attachments A and B to GCM-1040-0079. This modified permit has the same expiration date as the previous General Conditional Major Operating Permit and will remain valid through March 31, 2021.

This modified permit is being issued to incorporate changes into your existing Permit as described in the enclosed Record of Revisions for both the Attachments and the General Conditional Major Permit. Please be advised that this facility's periodic reporting period is not affected by this modification.

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 Beam of my staff, via e-mail at [beamcp@dhec.sc.gov](mailto: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

cc: Permit File: 1040-0079

ec: Ted Ambrose, Region 4, Florence EQC Office

**Notice of Appeal Procedure**  
Pursuant to S.C. Code Section 44-1-60

1. This decision of the S.C. Department of Health and Environmental Control (Department) becomes the final agency decision 15 calendar days after notice of the decision has been mailed or otherwise sent to the applicant, permittee, licensee and affected persons who have requested in writing to be notified, unless a written request for final review accompanied by a filing fee in the amount of \$100 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 timely written request for final review with the Clerk of the Board at the following address or by facsimile at 803-898-3393. A filing fee in the amount of \$100 made payable to SC DHEC must also be received by the Clerk within the time allowed for filing a request for final review. However, if a request for final review is filed by facsimile, the filing fee may be mailed to the Clerk of the Board if the envelope is postmarked within the time allowed for filing a request for final review.

Clerk of the Board  
SC DHEC  
2600 Bull Street  
Columbia, SC 29201

3. In order to be timely, a request for final review must be received by the Clerk of the Board within 15 calendar days after notice of the decision has been mailed or otherwise sent to persons entitled to receive notice. 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. A request for final review will be returned to the requestor if the filing fee is not received on time as described above.
4. 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 whether to conduct a final review conference
  - c. a copy of the Department's decision for which review is requested
5. If a timely request for final review is filed with the Clerk of the Board, the Clerk will provide additional information regarding procedures. If the Board declines in writing to schedule a final review conference, the Department's decision becomes the final agency decision and an applicant, permittee, licensee, or affected person may request a contested case hearing before the Administrative Law Court within 30 calendar days after notice is mailed that the Board declined to hold a final review conference.

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



# ATTACHMENT A

## Facility Information

### City of Florence Regional WWMF

GCM-1040-0079

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#### D - EQUIPMENT INSTALLED

Equipment ID	Equipment Description	Control Devices	Fuels Used	Installation Date	Modification Date	Emission Point ID
PS-1	VOID 600 kW (1,859 hp) Influent Pump Station Peak Shaving Generator	None	No. 2 Fuel Oil (Less than or equal to 0.2% sulfur by weight)	1995	None	01
PS-2	VOID 1500 kW (4,441 hp) Effluent Pump Station Peak Shaving Generator No. 1	None	No. 2 Fuel Oil (Less than or equal to 0.2% sulfur by weight)	1995	None	02
PS-3	VOID 1250 kW (3,514 hp) Effluent Pump Station Peak Shaving Generator No. 2	None	No. 2 Fuel Oil (Less than or equal to 0.2% sulfur by weight)	1995	None	03
DG-1	2000 kW (2700 hp) Catepillar Diesel Generator Peak Shaving Generator No. 1	None	No. 2 Fuel Oil (0.015% sulfur by weight)	2012	None	01
DG-2	2000 kW (2700 hp) Catepillar Diesel Generator Peak Shaving Generator No. 2	None	No. 2 Fuel Oil (0.015% sulfur by weight)	2012	None	02
DG-3	2000 kW (2700 hp) Catepillar Diesel Generator Peak Shaving Generator No. 3	None	No. 2 Fuel Oil (0.015% sulfur by weight)	2012	None	03
DG-4	2000 kW (2700 hp) Catepillar Diesel Generator Peak Shaving Generator No. 4	None	No. 2 Fuel Oil (0.015% sulfur by weight)	2012	None	04

#### E - EXEMPT SOURCES

Equipment ID	Equipment Description	Installation Date	Modification Date	Basis
EX-01	Diesel-powered emergency generator rated at 500 kW (Pumphouse No. 4)	---	----	S.C. Regulation 61-62.1 Section II(B)(2)(f)
EX-02	3-Detroit Diesel 225 kW diesel-powered portable generators	---	----	S.C. Regulation 61-62.1 Section II(B)(2)(f)
EX-03	Onan Model 50 DDB 50 kW diesel-powered portable generator	---	----	S.C. Regulation 61-62.1 Section II(B)(2)(f)
EX-04	Onan Model 20 DKAE 20 kW diesel-powered portable generator	---	----	S.C. Regulation 61-62.1 Section II(B)(2)(f)
EX-05	3-Onan Model 15.0 RDJC 15kW diesel-powered portable generators	---	----	S.C. Regulation 61-62.1 Section II(B)(2)(f)
EX-06	Diesel-powered emergency generator rated at 300 kW (Lift Station)	---	----	S.C. Regulation 61-62.1 Section II(B)(2)(f)
EX-07	Diesel-powered emergency generator rated at 200 kW (Lift Station)	---	----	S.C. Regulation 61-62.1 Section II(B)(2)(f)

## ATTACHMENT A

### Facility Information

#### City of Florence Regional WWMF

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#### E - EXEMPT SOURCES

Equipment ID	Equipment Description	Installation Date	Modification Date	Basis
EX-08	5,000 gallon AST for Diesel Fuel (Effluent Pump Station)	---	----	S.C. Regulation 61-62.1 Section II(B)(2)(h)
EX-09	1,000 gallon AST for Diesel Fuel (Influent Pump Station)	---	----	S.C. Regulation 61-62.1 Section II(B)(2)(h)
EX-10	2-50 gallon AST for Onan Portable Generator	---	----	S.C. Regulation 61-62.1 Section II(B)(2)(h)
EX-11	1,000 gallon AST for Diesel Fuel (Pumphouse No. 4)	---	----	S.C. Regulation 61-62.1 Section II(B)(2)(h)
EX-12	2,000 Gallon AST for Diesel Fuel (Pumphouse No. 1)	---	----	S.C. Regulation 61-62.1 Section II(B)(2)(h)
EX-13	250 gallon AST for Diesel Fuel	---	----	S.C. Regulation 61-62.1 Section II(B)(2)(h)
EX-14	30 gallon AST for Diesel Fuel	---	----	S.C. Regulation 61-62.1 Section II(B)(2)(h)
EX-15	18,000 gallon diesel fuel storage tank	2012	----	S.C. Regulation 61-62.1 Section II(B)(2)(h)
EX-16	18,000 gallon diesel fuel storage tank	2012	----	S.C. Regulation 61-62.1 Section II(B)(2)(h)

#### F - CONDITIONS

Condition Number	Equipment/ Control Device ID	Regulated Pollutant/ Standard	Conditions
F.1	DG-1 through DG-4	NOx	The four generators are limited to 1365 hours of operation per generator in order to comply with SC Regulation 61-62.5, Standard No. 7 (Modeling). The owner/operator must install a non-resettable hour meter on each generator and record the hours on a monthly basis and twelve month rolling sum. Any increase in hours of operation must be approved by the Bureau of Air Quality and may require re-modeling to demonstrate compliance with the above listed standard(s). Reports of the monthly usage and the twelve month rolling sums shall be submitted annually. This is a State Only requirement.

## ATTACHMENT B

### Modeled Emission Rates

#### City of Florence Regional WWMF

GCM-1040-0079

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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>STANDARD NO. 2 - MODELED AAQS EMISSION RATES (LBS/HR)</b>					
STACK ID	TSP	PM <sub>10</sub>	SO <sub>2</sub>	NO <sub>2</sub>	CO
S1	0.26	0.26	0.64	5.13	1.73
S2	0.26	0.26	0.64	5.13	1.73
S3	0.26	0.26	0.64	5.13	1.73
S4	0.26	0.26	0.64	5.13	1.73
FACILITY TOTAL	1.04	1.04	2.56	20.52	6.92

NO<sub>2</sub> was modeled at the annual averaged rate based on the limit of 1365 hours/year/generator. The short term emission rate is 32.88 lb/hr/generator.

<b>STANDARD NO. 7 - MODELED PSD CLASS II INCREMENT EMISSION RATES (LBS/HR)</b>			
STACK ID	Minor Source Baseline Date(s)		
	9/28/1978	9/28/1978	5/31/2006
	PM <sub>10</sub>	SO <sub>2</sub>	NO <sub>2</sub>
S1	0.26	0.64	5.13
S2	0.26	0.64	5.13
S3	0.26	0.64	5.13
S4	0.26	0.64	5.13
FACILITY TOTAL	1.04	2.56	20.52

NO<sub>2</sub> was modeled at the annual averaged rate based on the limit of 1365 hours/year/generator. The short term emission rate is 32.88 lb/hr/generator.