Attachment 49 to

GNRO-2012/00039

GGNS. 2008g. Grand Gulf Nuclear Station (GGNS), Facility No. 0420-00023, Renewal of Existing Synthetic Minor Operating Permit No. 0420-00023, Correspondence GEXO-2008/0008. November 25, 2008.

Entergy
P.O. Box 756
Port Gibson, MS 39150
Tel 601 437 6409

James "Randy" Douet
Vice President - Operations
Grand Gulf Nuclear Station

November 25, 2008

Mr. Bryan Collins
Department of Environmental Quality
Permitting Division
515 E. Amite Street
Jackson, Mississippi 39201

SUBJECT: Grand Gulf Nuclear Station (GGNS)
Facility No. 0420-00023
Renewal of Existing Synthetic Minor Operating Permit No. 0420-00023

GEXO-2008/ 00086

Dear Mr. Collins:

Grand Gulf Nuclear Station is hereby submitting for your review a Renewal Application for a State of Mississippi and Federally Enforceable Air Pollution Control Permit to Operate Air Emission Equipment at a Synthetic Minor Source.

If you have any questions or require additional information, please feel free to contact Charles K. Shepphard at (601) 437-7312.

Sincerely,

Mr. James R. Douet
Vice President, Operations
Grand Gulf Nuclear Station
CKS/JML/RAS/JGB/cks

Attachment: December 2, 2008 Synthetic Minor Operating Permit Renewal

CC: Mr. M.J. Larson w/o
Mr. R.N. Buckley (M-ECH-595) w/a
Mr. Elmo Collins [NRC] w/a
Mr. Jay Barkley [MDEQ] w/a
File [CHEM]
File [CENTRAL] [ ]

STATE OF MISSISSIPPI
DEPT. OF ENVIRONMENTAL QUALITY
OFFICE OF POLLUTION CONTROL
P.O. BOX 2261
JACKSON, MS 39225-2261
(601) 961-5171

APPLICATION ADDENDUM FOR A SYNTHETIC MINOR OPERATING PERMIT

NOTE: **This addendum may be affixed to the front of the Application for Title V Air Pollution Control Permit to Operate Air Emissions Equipment. If the addendum is used, all air emission sources, pollutants, and emission rates must be included in the application. There are no insignificant or trivial activities.**

A Synthetic Minor Source is defined in Regulation APC-S-2 as: Any facility which would otherwise constitute a major source under Commission Regulation APC-S-6, "Air Emissions Operating Permit Regulations for the Purposes of Title V of the Federal Clean Air Act", except that the owner or operator of the facility elects for federally enforceable emissions limitations which may include permit conditions restricting hours of operation, or type or amount of material stored, combusted or processed, or establishing more stringent air pollution control efficiency requirements to lower allowable emissions for air pollutants in the State Permit to Operate below applicability thresholds for a Title V major source.

Facility Name ENTERGY OPERATIONS, INC.
Facility Number (If Known) 0420 - 00023
City PORT GIBSON **County** CLAIBORNE

List the limitations/restrictions you are proposing to make your facility a synthetic minor source and the proposed methods of demonstrating compliance with those limitations/restrictions. If necessary, use a separate page for each Emission Point.

AA-001, LIMITATION ON HOURS OF OPERATION, 250 HR/YR

AB-001, LIMITATION ON HOURS OF OPERATION, 250 HR/YR

AC-001, LIMITATION ON HOURS OF OPERATION, 250 HR/YR

AA-002, LIMITATION ON HOURS OF OPERATION, 500 HR/YR (SEITZ MEMO)

AB-002, LIMITATION ON HOURS OF OPERATION, 500 HR/YR (SEITZ MEMO)

AC-002, LIMITATION ON HOURS OF OPERATION, 100 HR/YR (SEITZ MEMO)

AA-003, LIMITATION ON HOURS OF OPERATION, 500 HR/YR (SEITZ MEMO)

AE-003, LIMITATION ON HOURS OF OPERATION, 500 HR/YR (SEITZ MEMO)

AA-004, LIMITATION ON HOURS OF OPERATION, 50 HR/YR

AA-011, LIMITATION ON HOURS OF OPERATION, 500 HR/YR (SEITZ MEMO)

JAMES R. DOUET		11/25/2008
Printed/Typed Name	***Signature**	**Date**

***Signature should be the same as on the application form.**

FOR OFFICIAL USE ONLY	
APPLICATION RECEIPT DATE:	
APPLICATION NO. :	
FOR MODIFICATION : MINOR	

STATE OF MISSISSIPPI
DEPARTMENT OF ENVIRONMENTAL QUALITY
OFFICE OF POLLUTION CONTROL
AIR DIVISION
P.O. BOX 2261
JACKSON, MS. 39225-2261
PHONE NO.: (601) 961 - 5171

APPLICATION FOR TITLE V
AIR POLLUTION CONTROL PERMIT
TO OPERATE AIR EMISSIONS EQUIPMENT

PERMITTING ACTIVITY:

_____ **INITIAL APPLICATION**
_____ **MODIFICATION**
_X____ **RENEWAL OF OPERATING PERMIT**

NAME: ENTERGY OPERATIONS, INC.

CITY: PORT GIBSON

COUNTY: CLAIBORNE

FACILITY No. (if known): 0420-00023

OPERATING PERMIT APPLICATION REQUIREMENTS

All applications must be submitted on the form supplied by the Permit Board. Trivial activities as listed in Attachment A are presumed to emit less than 1 pound per hour of a pollutant that is not a hazardous air pollutant and less than 0.1 pound per hour of any hazardous air pollutant; these activities need not be reported in the application. Insignificant activities which are specified in Section VII.A. of Regulation APC-S-6 and listed herein also need not be included . For insignificant activities which are specified in Section VII.B. of Regulation APC-S-6, a list must be included in the application. An application may not omit information needed to determine the applicability of, or to impose, any applicable requirement, or to evaluate the fee amount required under the schedule pursuant to Section VI. of Regulation APC-S-6. The forms and attachments shall include the elements specified as follows:

A. Identifying information, including company name and address (or plant name and address if different from the company name), owner's name and agent, and telephone number and names of plant site manager/contact;

B. A description of the source's process and products by Standard Industrial Classification Code including any associated with any alternate scenario identified by the source;

C. Emission-related information as follows:

1. A qualitative description of all emissions units, including those not subject to applicable requirements but not those omitted under trivial or insignificant activities provisions;

2. A description of all emissions of pollutants for which the source is major and of all emissions of regulated air pollutants sufficient to determine or verify major source status, to determine or verify applicability of and compliance with applicable requirements, and to assess and collect permit fees, if the emissions basis for fees has not been previously determined. Fugitive emissions from individual components within a facility may be determined collectively based on their relationship to the associated process unless individual emission rates are needed to determine the applicability of an applicable requirement such as NSPS, NESHAPS, a MACT standard, etc. or to determine air quality impacts. Similarly, where individual components or units with a facility may be classified into a generic group due to the commonality of applicable requirements and /or the nature of operation, stack emissions may be determined collectively for the group unless individual emission rates are needed to determine applicability of an applicable requirement or to determine air quality impacts;

3. For each pollutant and emissions unit which is regulated, emission rates in TPY and in such terms as are necessary to establish compliance consistent with the applicable standard reference test method, except that, for pollutants and units which have no applicable requirements expressed in emission rate terms, emission rate quantification may be omitted;

4. To the extent it is needed to determine or regulate emissions, the information that follows: fuels, fuel use, raw materials, production rates, and operating schedules;

5. Identification and description of air pollution control equipment and compliance monitoring devices or activities;

6. Limitations on source operation affecting emissions or any work practice standards, where applicable, for all regulated pollutants at the Title V source;

7. Other information required by any applicable requirement (including information related to stack height limitations developed pursuant to Section 123 of the Federal Act); and

8. Calculations on which the information requested in this section is based.

D. Air pollution control requirements as follows:

1. Citation and description of all applicable requirements, and

2. Description of or reference to any applicable test method for determining compliance with each applicable requirement;

E. Other specific information that may be necessary to implement and enforce other applicable requirements of the Federal Act or of these regulations or to determine the applicability of such requirements;

F. An explanation of any proposed exemptions from otherwise applicable requirements;

G. Additional information as determined to be necessary by the Permit Board to define alternative operating scenarios identified by the source pursuant to Section III.A.9. of Regulation APC-S-6 or to define permit terms and conditions implementing 40 CFR 70.4(b)(12) or Section III.A.10. of Regulation APC-S-6;

H. A compliance plan for all Title V sources that contains all of the following:

1. A description of the compliance status of the source with respect to all applicable requirements;

2. A description as follows:

a. For applicable requirements with which the source is in compliance, a statement that the source will continue to comply with such requirements;

b. For applicable requirements that will become effective during the permit term, a statement that the source will meet such requirements on a timely basis;

c. For requirements for which the source is not in compliance at the time of permit issuance, a narrative description of how the source will achieve compliance with such requirements;

3. A compliance schedule as follows:

a. For applicable requirements with which the source is in compliance, a statement that the source will continue to comply with such requirements;

b. For applicable requirements that will become effective during the permit term, a statement that the source will meet such requirements on a timely basis. A statement that the source will meet in a timely manner applicable requirements that become effective during the permit term shall satisfy this provision, unless a more detailed schedule is expressly required by the applicable requirements;

c. A schedule of compliance for sources that are not in compliance with all applicable requirements at the time of permit issuance. Such a schedule shall include a schedule or remedial measures, including an enforceable sequence of actions with milestones, leading to compliance with any applicable requirements for which the source will be in noncompliance at the time of permit issuance. This compliance schedule shall resemble and be at least as stringent as that contained in any judicial consent decree or administrative order to which the source is subject. Any such

schedule of compliance shall be supplemental to, and shall not sanction noncompliance with, the applicable requirements on which it is based;

4. A schedule for submission of certified progress reports, to be submitted no less frequently than every 6 months for sources required to have a schedule of compliance to remedy a violation;

5. The compliance plan content requirements specified in this paragraph shall apply and be included in the acid rain portion of a compliance plan for an affected source, except as specifically superseded by regulations promulgated under Title IV of the Federal Act with regard to the schedule and method(s) the source will use to achieve compliance with the acid rain emissions limitations;

I. Requirements for compliance certification, including the following:

1. A certification of compliance with all applicable requirements by a responsible official consistent with Section II.E of Regulation APC-S-6 and Section 114(a)(3) of the Federal Act;

2. A statement of methods used for determining compliance, including a description of monitoring, recordkeeping, and reporting requirements and test methods;

3. A schedule for submission of compliance certifications during the permit term, to be submitted no less frequently than annually, or more frequently if specified by the underlying applicable requirement or by the Permit Board;

4. A statement indicating the sources compliance status with any applicable enhanced monitoring and compliance certification requirements of the Federal Act; and

J. The use of nationally-standardized forms for acid rain portions of permit applications and compliance plans, as required by regulations promulgated under Title IV of the Federal Act.

INSIGNIFICANT ACTIVITIES AND EMISSIONS

I. The following activities/emissions sources are not required to be included in a Title V permit application:

A. New or modified pilot plants, subject to temporary source regulations located in Section III.E. of regulation APC-S-6.

B. Maintenance and upkeep:

1. Maintenance, structural changes, or repairs which do not change the capacity of such process, fuel-burning, refuse-burning, or control equipment, and do not involve any change in quality, nature, or quantity of potential emissions of any regulated air pollutants; and

2. Housekeeping activities or building maintenance procedures;

C. Air conditioning or ventilation: comfort air conditioning or comfort ventilating systems which do not transport, remove, or exhaust regulated air pollutants to the atmosphere;

D. Laboratory equipment:

1. Laboratory equipment used exclusively for chemical or physical analysis for quality control or environmental monitoring purposes; or

2. Non-production laboratory equipment used at non-profit health or non-profit educational institutions for chemical or physical analyses, bench scale experimentation or training, or instruction;

E. Hot water heaters which are used for domestic purposes only and are not used to heat process water;

F. Fuel use related to food preparation by a restaurant, cafeteria, residential cooker or barbecue grill where the products are intended for human consumption;

G. Clerical activities such as operating copy machines and document printers, except operation of such units on a commercial basis;

H. Hand held equipment used for buffing, polishing, carving, cutting, drilling, machining, routing, sanding, sawing, surface grinding, or turning of ceramic art work, precision parts, leather, metals, plastics, fiber board, masonry, carbon, glass, or wood;

I. Equipment for washing or drying fabricated glass or metal products, if no VOCs are used in the process and no oil or solid fuel is burned;

J. Water cooling towers (except at nuclear power plants); water treatment systems for process cooling water or boiler feed water; and water tanks, reservoirs, or other water containers not used in direct contact with gaseous or liquid process streams containing carbon compounds, sulfur compounds, halogens or halogen compounds, cyanide compounds, inorganic acids, or acid gases;

K. Domestic sewage treatment facilities (excluding combustion or incineration equipment, land farms, storage silos for dry material, or grease trap waste handling or treatment facilities);

L. Stacks or vents to prevent escape of sewer gases through plumbing traps;

M. Vacuum cleaning systems for housekeeping, except at a source with hazardous air pollutants;

N. Alkaline/phosphate washers and associated cleaners and burners;

O. Mobile sources;

P. Livestock and poultry feedlots and associated fuel burning equipment other than incinerators;

Q. Outdoor kerosene heaters;

R. Equipment used for hydraulic or hydrostatic testing;

S. Safety devices, excluding those with continuous emissions; and

T. Brazing, soldering, or welding equipment that is used intermittently or in a non-continuous mode.

II. The following activities/emissions sources must be listed in the application but emissions from these activities do not have to be quantified.

A. All gas fired, #2 oil fired, infrared, electric ovens with no emissions other than products of fuel combustion;

B. Combustion units with rated input capacity less than 10 million Btu/hr that are fueled by:

1. Liquified petroleum gas or natural gas supplied by a public utility; or

2. Commercial fuel oil #2 or lighter;

C. Equipment used for inspection of metal products;

D. Equipment used exclusively for forging, pressing, drawing, spinning, or extruding metals;

E. Equipment used exclusively to mill or grind coatings and molding compounds where all materials charged are in paste form;

F. Mixers, blenders, roll mills, or calendars for rubber or plastics for which no materials in powder form are added and in which no organic solvents, diluents, or thinners are used;

G. All storage tanks used exclusively to store fuel oils, kerosene, diesel, jet fuel, crude oil, natural gas, or liquified petroleum gas (the application must list the size of the tank, date constructed and/or modified, type tank, and material stored);

H. Space heaters utilizing natural or LPG gas and used exclusively for space heating;

I. Back-up or emergency use generators, boilers or other fuel burning equipment which is of equal or smaller capacity than normal main operating equipment, cannot be used in conjunction with normal main operating equipment, and does not emit, have or cause the potential to emit of any regulated air pollutant to increase;

J. Blast cleaning equipment using a suspension of abrasives in water;

K. Die casting machines;

L. Foundry sand mold forming equipment to which no heat is applied and from which no organics are emitted.

M. Bark and wood - waste storage and handling;

N. Log wetting areas;

P. Log flumes;

Q. Sodium hydrosulfide storage tank;

R. Smelt dissolving tank view ports;

S. Spout cooling water storage;

T. Effluent drains;

U. White water chest;

V. Repupler vents;

W. Clay storage tank;

X. Alum storage tank;

Y. Starch storage tank;

Z. Steam vents and leaks;

AA. Deaerator vents;

AB. Mill air and instrument air system;

AC. Demineralizer water storage tank;

AD. Acid storage tank;

AE. Process water tank;

AF. Air purification system vents;

AG. Effluent neutralizing tank/system;

AH. Dregs washer;

AI. Lime silo;

AJ. Lime mud mix tank;

AK. H_2O_2 storage tank;

AL. Green liquor tank; and

AM. Tall oil storage tank.

III. Notwithstanding I. and II. above, the applicant shall include all emissions sources and quantify emissions if needed to determine major source status, to determine compliance with an applicable requirement and/or the applicability of any applicable requirement such as NSPS, NESHAP, MACT standard, etc. as such term is

defined in Section I. of Regulation APC-S-6 or collect any permit fee owed under the approved fee scheduled.

IV. Notwithstanding I. and II. above, the applicant shall include all emission sources with a potential to emit:

1. greater than 1 pound per hour of any regulated pollutant that is not a hazardous air pollutant;

2. greater than 0.1 pound per hour of any hazardous air pollutant.

V. The permittee does not have to report the addition of any insignificant activity listed in Section I. above unless the addition is a Title I modification or requires a permit to construct. If a Title I permit or a Permit to Construct is required, then the modification procedures outlined in Section IV.E. of Regulation APC-S-6 shall be followed.

VI. The addition of any insignificant activity listed in Section II. above, shall be handled as an administrative amendment as defined in Section IV.D. of Regulation APC-S-6 unless the addition is a Title I modification or requires a Permit to Construct. If a Title I permit or Permit to Construct is required, then the modification procedures outlined in Section IV.E. of Regulation APC-S-6 shall be followed.

REGULATED AIR POLLUTANTS

Total suspended particulate matter
PM_{10}
Sulfur dioxide
Nitrogen oxides
Carbon monoxide
Volatile organic compounds(see note 1)
Lead
Dioxin/Furan
Fluorides
Hydrogen chloride
Hydrogen sulfide
Sulfuric acid mist
Total reduced sulfur
Reduced sulfur compounds
Arsenic
Asbestos
Beryllium
Benzene
Mercury
Radionuclides
Vinyl chloride
Carbon tetrachloride
Chlorofluorocarbon-11
Chlorofluorocarbon-12
Chlorofluorocarbon-13
Chlorofluorocarbon-111
Chlorofluorocarbon-112
Chlorofluorocarbon-113
Chlorofluorocarbon-114
Chlorofluorocarbon-115
Chlorofluorocarbon-211
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Hydrochlorofluorocarbon-21
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Hydrochlorofluorocarbon-31
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Hydrochlorofluorocarbon-261
Hydrochlorofluorocarbon-262
Hydrochlorofluorocarbon-271
Halon-1211
Halon-1301
Halon-2402
Methyl chloroform

Note 1 - Volatile organic compounds (VOC) includes any compound of carbon, excluding carbon monoxide, carbonic acid, metallic carbides or carbonates and ammonium carbonate, which participates in atmospheric photochemical reactions. This includes any such organic compound other than the following which have been determined to have negligible photochemical reactivity: Methane; ethane; methylene chloride; 1,1,1-trichloroethane; CFC-113; CFC-11;CFC-12; CFC-22; FC-23; CFC-114; CFC-115; HCFC-123; HFC-134a; HCFC-141b; HCFC-142b; HCFC-124; HFC-125; HFC-134; HFC-143a; HFC-153a; and perfluorocarbon compounds which fall into these classes: (i) Cyclic, branched, or linear, completely fluorinated alkanes; (ii) Cyclic, benched, or linear, completely fluorinated ethers with no unsaturations; (iii) Cyclic, branched, or linear completely fluorinated tertiary amines with no unsaturations; and (iv) Sulfur containing perfluorocarbons with no unsaturations and with sulfur bonds only to carbon and fluorine. **For the purposes of this application hazardous air pollutants that are volatile organic compounds should be included as VOCs for reflection of total VOCs from the facility but need to be identified separately as well.**

HAZARDOUS AIR POLLUTANTS

CAS No.	CHEMICAL NAME
75070	Acetaldehyde
60355	Acetamide
75058	Acetonitrile
98862	Acetophenone
53963	Acetylaminofluorene(2)
107028	Acrolein
79061	Acrylamide
79107	Acrylic Acid
107131	Acrylonitrile
107051	Allyl Chloride
92671	Aminodipheyl(4)
62533	Aniline
90040	Anisidine(o)
7440360	Antimony Compounds
7440382	Arsenic Compounds (inorganic including arsine)
1332214	Asbestos
71432	Benzene
92875	Benzidine
98077	Benzotrichloride
100447	Benzyl Chloride
7440417	Beryllium Compounds
192524	Biphenyl
117817	Bis(2-ethhylhexyl)phthalate(DEHP) (Dioctyl Phthalate)
542881	Bis(chloromethyl)ether
75252	Bromoform
106990	Butadiene(1,3)
7440439	Cadmium Compounds
156627	Calcium Cyanamide
105602	Caprolactam
133062	Captan
63252	Carbaryl
75150	Carbon Disulfide
56235	Carbon Tetrachloride
463581	Carbonyl Sulfide
120809	Catechol
133904	Chloramben
57749	Chlordane
7782505	Chlorine
79118	Chloroacetic Acid
532274	Chloroacetophenone(2)
108907	Chlorobenzene
510156	Chlorobenzinate
67663	Chloroform
107302	Chloromethyl methyl ether
126998	Chloroprene (Neoprene; 2-Chloro-1,3-Butadiene)
7440473	Chromium Compounds (IV)
10210681	Cobalt Carbonyl (as Co)
7440484	Cobalt Compounds (metal, dust, and fumes as Co)
16842038	Cobalt Hydrocarbonyl (as Co)

HAZARDOUS AIR POLLUTANTS

CAS No.	CHEMICAL NAME
65996818A	Coke Oven Emissions
1319773	Cresols/Cresylic acid
108394	Cresol(m)
95487	Cresol(o)
106445	Cresol(p)
98828	Cumene (Isopropylbenzene)
---	Cyanide Compounds (NOTE # 1)
3547044	DDE
334883	Diazomethane
132649	Dibenzofurans
96128	Dibromo-3-chloropropane(1,2)
84742	Dibutylphthalate
106467	Dichlorobenzene(1,4)(p)
91941	Dichlorobenzidene(3,3)
111444	Dichloroethyl ether (Bis(2-chloroehtyl)ether)
542756	Dichloropropene(1,3)
62737	Dichlorvos
111422	Diethanolamine
121697	Diethyl aniline (N,N) (dimethylaniline (N,N))
64675	Diethyl Sulfate
119904	Dimethoxybenzidine(3,3')
60117	4 - Dimethyl aminoazobenzene
119937	Dimethyl benzidine (3,3')
79447	Dimethyl carbamoyl chloride
68122	Dimethyl formamide
57147	Dimethyl hydrazine(1,1)
131113	Dimethyl phthalate
77781	Dimethyl sulfate
534521	Dinitro-o-cresol(4,6), and salts
51285	Dinitrophenol(2,4)
121142	Dinitrotoluene(2,4)
123911	Dioxane(1,4) (1,4-diethyleneoxide)
122667	Diphenylhydrazine(1,2)
94757	d(2,4), salts and esters
106898	Epichlorohydrin (Chloro-2,3-epoxypropane(1))
106887	Epoxybutane(1,2) (1,2-Butylene oxide)
140885	Ethyl acrylate
100414	Ethyl benzene
51796	Ethyl carbamate (Urethane)
75003	Ethyl chloride (Chloroethane)
106934	Ethylene dibromide (1,2-Dibromoethane)
107062	Ethylene dichloride (1,2-Dichloroethane)
107211	Ethylene glycol
151564	Ethylene imine (Azridine)
75218	Ethylene oxide
96457	Ethylene thiourea
75343	Ethylidene dichloride (1,1-Dichloroethane)
50000	Formaldehyde
---	Glycol ethers (NOTE #2)
76448	Heptachlor

HAZARDOUS AIR POLLUTANTS

CAS No.	CHEMICAL NAME

118741	Hexachlorobenzene
87683	Hexachlorocyclopentadiene
67721	Hexachloroethane
822060	Hexamethylene-1,6-diisocyanate
680319	Hexamethylphosphoramide
110543	Hexane
302012	Hydrazine
7647010	Hydrochloric acid
7664393	Hydrogen Fluoride (Hydrofluoric acid)
123319	Hydroquinone
78591	Isophorone
7439921	Lead Compounds
58899	Lindane (all isomers)
108316	Maleic anhydride
7439965	Manganese Compounds
7439976	Mercury Compounds
67561	Methanol
72435	Methoxychlor
74839	Methyl bromide (Bromomethane)
74873	Methyl chloride (Chloromethane)
71556	Methyl chloroform (1,1,1-Trichloroethane)
78933	Methyl ehtyl ketone (2-Butanone) (MEK)
60344	Methyl hydrazine
74884	Methyl iodide (Iodomethane)
108101	Methyl isobutyl ketone (Hexone)
624839	Methyl isocyanate
80626	Methyl methacrylate
1634044	Methyl tert butyl ether
101144	Methylene bis(2-chloroaniline)(4,4) (MOCA)
75092	Methylene chloride (Dichloromethane)
101688	Methylene diphenyl diisocynate (MDI)
101779	Methylenedianiline(4,4')
—	Mineral fibers (NOTE #3)
91203	Naphthalene
7440020	Nickel Compounds
7440020	Nickel, refinery dust
12035722	Nickel, subsulfide
98953	Nitrobenzene
92933	Nitrodiphenyl(4)
100027	Nitrophenol(4)
79469	Nitropropane(2)
62759	Nitrosodimethylamine(N) (Dimethylnitrosoamine)
59892	Nitrosomorpholine(N)
684935	Nitroso-N-methylurea(N)
56382	Parathion
82688	Pentachloronitrobenzene (Quintobenzene)
87865	Pentachlorophenol
108952	Phenol
106503	Phenylenediamine(p)
75445	Phosgene

HAZARDOUS AIR POLLUTANTS

CAS No. CHEMICAL NAME

7803512	Phosphine
7723140	Phosphorus
85449	Phthalic anhydride
1336363	Polychlorinated biphenyls (Arochlors)
—	Polycylic Organic Matter (NOTE #5)
1120714	Propane sultone(1,3)
57578	Propiolactone(beta)
123386	Propionaldehyde
114261	Propoxur (Baygon)
78875	Propylene dichloride (1,2 dichloropropane)
75558	Propylene imine(1,2) (2-methyl aziridine)
75569	Propylene oxide
91225	Quinoline
106514	Quinone (1,4-Cyclohexadienedione)
—	Radionuclides (including radon) (NOTE #4)
7782492	Selenium Compounds
100425	Styrene
96093	Styrene oxide
1746016	Tetrachlorodibenzo-p-dioxin(2,3,7,8) (TCDD) (Dioxin)
79345	Tetrachloroethane(1,1,2,2)
127184	Tetrachloroethylene (Perchloroethylene)
7550450	Titanium Tetrachloride
108883	Toluene
95807	Toluene diamine(2,4) (2,4-diaminotoluene)
584849	Toluene diisocyanate(2,4)
95534	Toluidine(o)
8001352	Toxaphene (Chlorinated camphene)
120821	Trichlorobenzene(1,2,4)
79005	Trichloroethane(1,1,2)
79016	Trichloroethylene
95954	Trichlorophenol(2,4,5)
88062	Trichlorophenol(2,4,6)
121448	Triethylamine
1582098	Trifluralin
540841	Trimethylpentane(2,2,4)
75014	Vinyl Chloride
108054	Vinyl Acetate
593602	Vinyl Bromide
75354	Vinylidene chloride (1,1-Dichloroethylene)
1330207	Xylenes (mixed)
108383	Xylene(m)
95476	Xylene(o)
106423	Xylene(p)

NOTE # 1: X'CN where X = H' or any other group where a formal dissociation may occur, for example: KCN or $Ca(CN)_2$.

NOTE # 2: Includes mono- and di- ethers of ethylene glycol, dietheylene glycol and triethylene glycol R-(OCH_2CH_2)n-OR' where:

n = 1,2,3
R = alkyl or arl groups
R' = R,H, or group which, when removed, yield glycols ethers with the structure: R-(OCH_2CH_2)n-OH. Polymers are excluded from the glycol category

NOTE# 3: Includes glass microfibers, glass wool fibers, rock wool fibers, and slag wool fibers, each characterized as "respirable" (fiber diameter less then 3.5 micrometers) and possessing an aspect ratio (fiber length divided by fiber diameter) greater than 3.

NOTE # 4: A type of atom which spontaneously undergoes radioactive decay.

NOTE # 5: Includes organic compounds with more than one benzene ring, and which have a boiling point greater than or equal to 100 Celsius.

Owners Information — Section B

1. Name, Address & Contact for the Owner/Applicant

   A. Company Name: ENTERGY OPERATIONS, INC.

   B. Mailing Address:

      1. Street Address or P.O. Box: P.O. BOX 756
      2. City: PORT GIBSON 3. State: MISSISSIPPI
      4. Zip Code: 39150
      5. Telephone No.: (601) 437-2800

   C. Contact:

      1. Name: CHARLES K. SHEPPHARD
      2. Title: ENVIRONMENTAL SPECIALIST

2. Name, Address, Location and Contact for the Facility:

   A. Name: ENTERGY OPERATIONS, INC. - GRAND GULF NUCLEAR STATION

   B. Mailing Address:

      1. Street Address or P.O. Box: P.O. BOX 756
      2. City: PORT GIBSON 3. State: MISSISSIPPI
      4. Zip Code: 39150
      5. Telephone No.: (601) 437-2800

   C. Site Location:

      1. Street: BALD HILL ROAD
      2. City: PORT GIBSON 3. State: MISSISSIPPI
      4. County: CLAIBORNE 5. Zip Code: 39150
      6. Telephone No.: (601) 437-2800

      Note: If the facility is located outside of the City limits, please attach a sketch or description to this application showing the approximate location of the site.

   D. Contact:

      1. Name: CHARLES K. SHEPPHARD
      2. Title: ENVIRONMENTAL SPECIALIST

3. SIC Code(s)(including any associated with alternate operating scenarios): 4911

4. Number of Employees: 756

5. Principal Product(s): ELECTRICITY

6. Principal Raw Materials: URANIUM

7. Principal Process(es): THE PRODUCTION OF ELECTRICITY BY STEAM GENERATION USING URANIUM FUEL.

8. Maximum amount of principal product produced or raw material consumed per day:
1500 MEGAWATTS

9. Facility Operating Schedule (Optional):

   A. Specify maximum hours per day the operation will occur: 24

   B. Specify maximum days per week the operation will occur: 7

   C. Specify maximum weeks per year the operation will occur: 52

   D. Specify the months the operation will occur: 12

10. Is this facility a small business as defined by the Small Business Act? (Optional) ---

11. **EACH APPLICATION MUST BE SIGNED BY THE APPLICANT.**

The application must be signed by a responsible official as defined in Regulation APC-S-6, Section I.A.26.

I certify that to the best of my knowledge and belief formed after reasonable inquiry, the statements and information in this application are true, complete, and accurate, and that, as a responsible official, my signature shall constitute an agreement that the applicant assumes the responsibility for any alteration, additions, or changes in operation that may be necessary to achieve and maintain compliance with all applicable Rules and Regulations.

JAMES R. DOUET

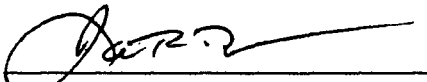
Printed Name of Responsible Official

VICE PRESIDENT OF OPERATIONS

Title

11 / 25 / 2008

Date Application Signed



Signature of Applicants Responsible Official

EMISSIONS SUMMARY for the ENTIRE FACILITY

List below the total emissions for each pollutant from the entire facility in accordance with Operating Permit Application Requirements, pp. 3-5. For stack emissions, use the maximum annual allowable (potential) emissions. For fugitive emissions, use the annual emissions calculated using the maximum operating conditions.

POLLUTANT Footnote 1	ANNUAL EMISSION RATE	
	lb/hr	tons/yr
PM10	42.07	68.73
SO2	264.13	26.44
NOX	850.41	98.18
CO	225.03	25.17
VOC	24.80	12.94

1. All regulated air pollutants,including hazardous air pollutants emitted from the entire facility should be listed. A list of regulated air pollutants has been provided in Section A.

With the exception of the emissions resulting from insignificant activities and emissions as defined in Regulation APC-S-6, Section VII, the pollutants listed above are all regulated air pollutants reasonably expected to be emitted from the facility.

SIGNATURE (must match signature on page 17)

RISK MANAGEMENT PLANS

If the source is required to develop and register a risk management plan pursuant to Section 112(r) of the Title III of the Clean Air Act, the permittee need only specify that it will comply with the requirement to register such a plan. The content of the risk management plan need not itself be incorporated as a permit term.

Please answer the following questions:

I. Are you required to develop and register a risk management plan pursuant to Section 112(r)?

☐ Yes ☑ No

Only if "yes", answer questions II., III., and/or IV.

II. Have you submitted the risk management plan to the appropriate agency (i.e. Mississippi Emergency Management Agency (MEMA), Federal Emergency Management Agency (FEMA), etc.)?

☐ Yes ☐ No

III. If yes, give agency name and date submitted. _____

_____

_____

_____

_____

IV. If no, provide a schedule for developing and submitting the risk management plan to the appropriate agency and providing our agency with certification that this submittal was made.

_____

_____

_____

_____

SECTION C

For the sections listed below indicate the number that have been completed for each section as part of this application.

Section B X	Section L1 _____	Section M1 _____
Section C X	Section L2 _____	Section M2 _____
Section D X	Section L3 _____	Section M3 _____
Section E _____	Section L4 _____	Section M4 _____
Section F _____	Section L5 _____	Section M5 _____
Section G _____	Section L6 _____	Section M6 _____
Section H _____	Section L7 _____	Section M7 X
Section I _____		Section M8 _____
Section J _____		Section N X
Section K _____		Section O X

As a minimum, sections B, C, M, N and O must be completed for the application to be considered complete.

Please list below all insignificant activities required by APC-S-6, Section VII.B that apply to your facility.

N/A

FUEL BURNING EQUIPMENT (page 1 of 2) SECTION D

1. **Emission Point No. / Name:** AA-001 / Division 1 Standby Generator Engine

   Equipment Description: Diesel Fired Generator Engine

3. **Was this unit constructed or modified after August 7, 1977?** X Yes No
   If yes please give date and explain.

4. **Capacity:** 67.26 MMBTU/hr **5. Type of burner:** I/C

6. **Usage Type (i.e. Space Heat, Process, etc.) : Process**

7. **Complete the following table, identifying each type of fuel and the amount used. Specify the units for heat content, hourly usage, and yearly usage.**

FUEL TYPE	HEAT CONTENT	% SULFUR	% ASH	MAXIMUM HOURLY USAGE	ACTUAL YEARLY USAGE
Diesel	19300 Btu/lb	<1%	N/A		

8. **Please list any fuel components that are hazardous air pollutants and the percentage in the fuel.**

   N/A

9. **Operating Schedule: (Optional)** hours/day days/week weeks/year

10. **Stack Data:**
    A. Height: 40 ft C. Exit gas velocity: 43 ft/s
    B. Inside diameter: 3.5 ft D. Exit gas temperature: 925 F

11. **UTM Coordinates:**
    A. Zone 15 B. North 3547.311 C. East 688.1248

12. POLLUTANT EMISSIONS:

Example emission rate calculations, monitoring data, or stack test data must be attached in accordance with Operating Permit Application Requirements, pp. 3-5.

EMISSION POINT NO.	POLLUTANT (note 1)	CONTROL EQUIPMENT		ACTUAL EMISSION RATE (In accordance with Operating Permit Application Requirements, pp. 3-5)			PROPOSED ALLOWABLE EMISSION RATE (Optional)		
		* yes/no	effic.	note 2	lb/hr	tn/yr	note 2	lb/hr	tn/yr
AA-001	PM_{10}	no	N/A		6.73	0.21		6.73	0.84
	SO_2	no	N/A		67.93	2.1225		67.93	8.49
	NO_x	no	N/A		215.23	6.725		215.23	26.9
	CO	no	N/A		57.17	1.7875		57.17	7.15
	VOC	no	N/A		6.05	0.19		6.05	0.76

1. All regulated air pollutants including hazardous air pollutants emitted from this source should be listed. A list of regulated air pollutants has been provided in Section A.
2. Provide emission rate in units of applicable emission standard, e.g. lb/MMbtu, gr/dscf, etc. This may not apply to every emission point or every pollutant from an emission point.

* If yes, attach appropriate Air Pollution Control Data Sheet from Section L or manufacturers specifications if other.

FUEL BURNING EQUIPMENT (page 1 of 2) SECTION D

1. **Emission Point No. / Name:** AB-001 / Division 2 Standby Generator Engine

   Equipment Description: Diesel Fired Generator Engine

3. **Was this unit constructed or modified after August 7, 1977?** X Yes No
   If yes please give date and explain.

4. **Capacity:** 67.26 MMBTU/hr **5. Type of burner:** I/C

6. **Usage Type (i.e. Space Heat, Process, etc.) :** Process

7. **Complete the following table, identifying each type of fuel and the amount used. Specify the units for heat content, hourly usage, and yearly usage.**

FUEL TYPE	HEAT CONTENT	% SULFUR	% ASH	MAXIMUM HOURLY USAGE	ACTUAL YEARLY USAGE
Diesel	19300 Btu/lb	<1%	N/A		

8. **Please list any fuel components that are hazardous air pollutants and the percentage in the fuel.**

   N/A

9. **Operating Schedule: (Optional)** hours/day days/week weeks/year

10. **Stack Data:**
    A. Height: 40 ft
    B. Inside diameter: 3.5 ft
    C. Exit gas velocity: 43 ft/s
    D. Exit gas temperature: 925 F

11. **UTM Coordinates:**
    A. Zone 15 B. North 3547.311 C. East 688.1248

12. POLLUTANT EMISSIONS:

Example emission rate calculations, monitoring data, or stack test data must be attached in accordance with Operating Permit Application Requirements, pp. 3-5.

EMISSION POINT NO.	POLLUTANT (note 1)	CONTROL EQUIPMENT		ACTUAL EMISSION RATE (In accordance with Operating Permit Application Requirements, pp. 3-5)			PROPOSED ALLOWABLE EMISSION RATE (Optional)		
		* yes/no	effic.	note 2	lb/hr	tn/yr	note 2	lb/hr	tn/yr
AB-001	PM_{10}	no	N/A		6.73	0.21		6.73	0.84
	SO_2	no	N/A		67.93	2.1225		67.93	8.49
	NO_x	no	N/A		215.23	6.725		215.23	26.9
	CO	no	N/A		57.17	1.7875		57.17	7.15
	VOC	no	N/A		6.05	0.19		6.05	0.76

1. **All regulated air pollutants including hazardous air pollutants emitted from this source should be listed. A list of regulated air pollutants has been provided in Section A.**
2. **Provide emission rate in units of applicable emission standard, e.g. lb/MMbtu, gr/dscf, etc. This may not apply to every emission point or every pollutant from an emission point.**

* **If yes, attach appropriate Air Pollution Control Data Sheet from Section L or manufacturers specifications if other.**

FUEL BURNING EQUIPMENT (page 1 of 2) SECTION D

1. **Emission Point No. / Name:** AC-001 / Division 3 HPCS Standby Generator Engine

   Equipment Description: Diesel Fired Generator Engine with two stacks

3. **Was this unit constructed or modified after August 7, 1977?** X Yes No
   If yes please give date and explain.

4. **Capacity:** 34.26 MMBTU/hr **5. Type of burner:** I/C

6. **Usage Type (i.e. Space Heat, Process, etc.) :** Process

7. **Complete the following table, identifying each type of fuel and the amount used. Specify the units for heat content, hourly usage, and yearly usage.**

FUEL TYPE	HEAT CONTENT	% SULFUR	% ASH	MAXIMUM HOURLY USAGE	ACTUAL YEARLY USAGE
Diesel	19300 Btu/lb	<1%	N/A		

8. **Please list any fuel components that are hazardous air pollutants and the percentage in the fuel.**

   N/A

9. **Operating Schedule: (Optional)** hours/day days/week weeks/year

10. **Stack Data:**
    A. Height: 40 ft C. Exit gas velocity: 121 ft/s
    B. Inside diameter: 1.7 ft D. Exit gas temperature: 790 F

11. **UTM Coordinates:**
    A. Zone 15 B. North 3547.311 C. East 688.1248

NOTE: This unit has two stacks.

12. POLLUTANT EMISSIONS:

Example emission rate calculations, monitoring data, or stack test data must be attached in accordance with Operating Permit Application Requirements, pp. 3-5.

EMISSION POINT NO.	POLLUTANT (note 1)	CONTROL EQUIPMENT		ACTUAL EMISSION RATE (in accordance with Operating Permit Application Requirements, pp. 3-5)			PROPOSED ALLOWABLE EMISSION RATE (Optional)		
		* yes/no	effic.	note 2	lb/hr	tn/yr	note 2	lb/hr	tn/yr
AC-001	PM_{10}	no	N/A		3.43	0.1075		3.43	0.43
	SO_2	no	N/A		34.6	1.0825		34.6	4.33
	NO_x	no	N/A		109.63	3.425		109.63	13.70
	CO	no	N/A		29.12	0.91		29.12	3.64
	VOC	no	N/A		3.08	0.0975		3.08	0.39

1. All regulated air pollutants including hazardous air pollutants emitted from this source should be listed. A list of regulated air pollutants has been provided in Section A.
2. Provide emission rate in units of applicable emission standard, e.g. lb/MMbtu, gr/dscf, etc. This may not apply to every emission point or every pollutant from an emission point.

* If yes, attach appropriate Air Pollution Control Data Sheet from Section L or manufacturers specifications if other.

FUEL BURNING EQUIPMENT (page 1 of 2) SECTION D

1. **Emission Point No. / Name:** AA-002 / Fire Water Pump Diesel Engine A

2. **Equipment Description:** Diesel Fired Generator Engine

3. **Was this unit constructed or modified after August 7, 1977?** X Yes No
If yes please give date and explain.

4. **Capacity:** 3.26 MMBTU/hr 5. **Type of burner:** I/C

6. **Usage Type (i.e. Space Heat, Process, etc.) :** Process

7. **Complete the following table, identifying each type of fuel and the amount used. Specify the units for heat content, hourly usage, and yearly usage.**

FUEL TYPE	HEAT CONTENT	% SULFUR	% ASH	MAXIMUM HOURLY USAGE	ACTUAL YEARLY USAGE
Diesel	19300 Btu/lb	<1%	N/A		

8. **Please list any fuel components that are hazardous air pollutants and the percentage in the fuel.**

N/A

9. **Operating Schedule: (Optional)** hours/day days/week weeks/year

10. **Stack Data:**
A. **Height:** 17 ft C. **Exit gas velocity:**
B. **Inside diameter:** 0.33 ft D. **Exit gas temperature:**

11. **UTM Coordinates:**
A. **Zone** 15 B. **North** 3547.311 C. **East** 688.1248

12. POLLUTANT EMISSIONS:

Example emission rate calculations, monitoring data, or stack test data must be attached in accordance with Operating Permit Application Requirements, pp. 3-5.

EMISSION POINT NO.	POLLUTANT (note 1)	CONTROL EQUIPMENT		ACTUAL EMISSION RATE (In accordance with Operating Permit Application Requirements, pp. 3-5)			PROPOSED ALLOWABLE EMISSION RATE (Optional)		
		* yes/no	effic.	note 2	lb/hr	tn/yr	note 2	lb/hr	tn/yr
AA-002	PM_{10}	no	N/A		0.33	0.02		0.33	0.08
	SO_2	no	N/A		3.29	0.205		3.29	0.82
	NO_x	no	N/A		10.43	0.6525		10.43	2.61
	CO	no	N/A		2.77	0.1725		2.77	0.69
	VOC	no	N/A		0.29	0.0175		0.29	0.07

1. All regulated air pollutants including hazardous air pollutants emitted from this source should be listed. A list of regulated air pollutants has been provided in Section A.
2. Provide emission rate in units of applicable emission standard, e.g. lb/MMbtu, gr/dscf, etc. This may not apply to every emission point or every pollutant from an emission point.

* If yes, attach appropriate Air Pollution Control Data Sheet from Section L or manufacturers specifications if other.

FUEL BURNING EQUIPMENT (page 1 of 2) SECTION D

1. **Emission Point No. / Name:** AB-002 / Fire Water Pump Diesel Engine B

2. **Equipment Description:** Diesel Fired Generator Engine

3. **Was this unit constructed or modified after August 7, 1977?** X Yes No
   If yes please give date and explain.

4. **Capacity:** 3.26 MMBTU/hr **5. Type of burner:** I/C

6. **Usage Type (i.e. Space Heat, Process, etc.) :** Process

7. **Complete the following table, identifying each type of fuel and the amount used. Specify the units for heat content, hourly usage, and yearly usage.**

FUEL TYPE	HEAT CONTENT	% SULFUR	% ASH	MAXIMUM HOURLY USAGE	ACTUAL YEARLY USAGE
Diesel	19300 Btu/lb	<1%	N/A		

8. **Please list any fuel components that are hazardous air pollutants and the percentage in the fuel.**

   N/A

9. **Operating Schedule: (Optional)** hours/day days/week weeks/year

10. **Stack Data:**
    A. Height: 17 ft C. Exit gas velocity:
    B. Inside diameter: 0.33 ft D. Exit gas temperature:

11. **UTM Coordinates:**
    A. Zone 15 B. North 3547.311 C. East 688.1248

12. POLLUTANT EMISSIONS:

Example emission rate calculations, monitoring data, or stack test data must be attached in accordance with Operating Permit Application Requirements, pp. 3-5.

EMISSION POINT NO.	POLLUTANT (note 1)	CONTROL EQUIPMENT		ACTUAL EMISSION RATE (in accordance with Operating Permit Application Requirements, pp. 3-5)			PROPOSED ALLOWABLE EMISSION RATE (Optional)		
		yes/no *	effic.	note 2	lb/hr	tn/yr	note 2	lb/hr	tn/yr
AB-002	PM_{10}	no	N/A		0.33	0.02		0.33	0.08
	SO_2	no	N/A		3.29	0.205		3.29	0.82
	NO_x	no	N/A		10.43	0.6525		10.43	2.61
	CO	no	N/A		2.77	0.1725		2.77	0.69
	VOC	no	N/A		0.29	0.0175		0.29	0.07

1. All regulated air pollutants including hazardous air pollutants emitted from this source should be listed. A list of regulated air pollutants has been provided in Section A.
2. Provide emission rate in units of applicable emission standard, e.g. lb/MMbtu, gr/dscf, etc. This may not apply to every emission point or every pollutant from an emission point.

* If yes, attach appropriate Air Pollution Control Data Sheet from Section L or manufacturers specifications if other.

FUEL BURNING EQUIPMENT (page 1 of 2) SECTION D

1. **Emission Point No. / Name:** AC-002 / ESC Diesel Engine

2. **Equipment Description:** Diesel Fired Generator Engine

3. **Was this unit constructed or modified after August 7, 1977?** X Yes No
If yes please give date and explain.

4. **Capacity:** 5.62 MMBTU/hr 5. **Type of burner:** I/C

6. **Usage Type (i.e. Space Heat, Process, etc.) :** Process

7. **Complete the following table, identifying each type of fuel and the amount used. Specify the units for heat content, hourly usage, and yearly usage.**

FUEL TYPE	HEAT CONTENT	% SULFUR	% ASH	MAXIMUM HOURLY USAGE	ACTUAL YEARLY USAGE
Diesel	19300 Btu/lb	<1%	N/A		

8. **Please list any fuel components that are hazardous air pollutants and the percentage in the fuel.**

N/A

9. **Operating Schedule: (Optional)** hours/day days/week weeks/year

10. **Stack Data:**
A. **Height:** 14 ft C. **Exit gas velocity:** 216 ft/s
B. **Inside diameter:** 0.5 ft D. **Exit gas temperature:** 760 F

11. **UTM Coordinates:**
A. **Zone** 15 B. **North** 3547.311 C. **East** 688.1248

FUEL BURNING EQUIPMENT (page 2 of 2) SECTION D

12. POLLUTANT EMISSIONS:

Example emission rate calculations, monitoring data, or stack test data must be attached in accordance with Operating Permit Application Requirements, pp. 3-5.

EMISSION POINT NO.	POLLUTANT (note 1)	CONTROL EQUIPMENT		ACTUAL EMISSION RATE (In accordance with Operating Permit Application Requirements, pp. 3-5)			PROPOSED ALLOWABLE EMISSION RATE (Optional)		
		yes/no *	effic.	note 2	lb/hr	tn/yr	note 2	lb/hr	tn/yr
AC-002	PM_{10}	no	N/A		0.56	0.0075		0.56	0.03
	SO_2	no	N/A		5.68	0.07		5.68	0.28
	NO_x	no	N/A		17.98	0.225		17.98	0.90
	CO	no	N/A		4.78	0.06		4.78	0.24
	VOC	no	N/A		0.51	0.0075		0.51	0.03

1. **All regulated air pollutants including hazardous air pollutants emitted from this source should be listed. A list of regulated air pollutants has been provided in Section A.**
2. **Provide emission rate in units of applicable emission standard, e.g. lb/MMbtu, gr/dscf, etc. This may not apply to every emission point or every pollutant from an emission point.**

* **If yes, attach appropriate Air Pollution Control Data Sheet from Section L or manufacturers specifications if other.**

FUEL BURNING EQUIPMENT (page 1 of 2) SECTION D

1. **Emission Point No. / Name:** AB-003 / Division 1 Starting Air Compressor Diesel Engine

2. **Equipment Description:** Diesel Fired Engine

3. **Was this unit constructed or modified after August 7, 1977?** X Yes No
If yes please give date and explain.

4. **Capacity:** 0.34 MMBTU/hr 5. **Type of burner:** I/C

6. **Usage Type (i.e. Space Heat, Process, etc.) :** Process

7. **Complete the following table, identifying each type of fuel and the amount used. Specify the units for heat content, hourly usage, and yearly usage.**

FUEL TYPE	HEAT CONTENT	% SULFUR	% ASH	MAXIMUM HOURLY USAGE	ACTUAL YEARLY USAGE
Diesel	19300 Btu/lb	<1%	N/A		

8. **Please list any fuel components that are hazardous air pollutants and the percentage in the fuel.**

N/A

9. **Operating Schedule: (Optional)** hours/day days/week weeks/year

10. **Stack Data:**
A. **Height:** 40 ft C. **Exit gas velocity:** ft/s
B. **Inside diameter:** 0.17 ft D. **Exit gas temperature:** F

11. **UTM Coordinates:**
A. **Zone** 15 B. **North** 3547.311 C. **East** 688.1248

12. POLLUTANT EMISSIONS:

Example emission rate calculations, monitoring data, or stack test data must be attached in accordance with Operating Permit Application Requirements, pp. 3-5.

EMISSION POINT NO.	POLLUTANT (note 1)	CONTROL EQUIPMENT		ACTUAL EMISSION RATE (In accordance with Operating Permit Application Requirements, pp. 3-5)			PROPOSED ALLOWABLE EMISSION RATE (Optional)		
		yes/no *	effic.	note 2	lb/hr	tn/yr	note 2	lb/hr	tn/yr
AB-003	PM_{10}	no	N/A		0.11	0.115		0.11	0.46
	SO_2	no	N/A		0.1	0.1075		0.1	0.43
	NO_x	no	N/A		1.5	1.6425		1.5	6.57
	CO	no	N/A		0.32	0.3525		0.32	1.41
	VOC	no	N/A		0.12	0.13		0.12	0.52

1. All regulated air pollutants including hazardous air pollutants emitted from this source should be listed. A list of regulated air pollutants has been provided in Section A.
2. Provide emission rate in units of applicable emission standard, e.g. lb/MMbtu, gr/dscf, etc. This may not apply to every emission point or every pollutant from an emission point.

* If yes, attach appropriate Air Pollution Control Data Sheet from Section L or manufacturers specifications if other.

FUEL BURNING EQUIPMENT (page 1 of 2) SECTION D

1. Emission Point No. / Name: AA-003 / OSC Diesel Engine

2. Equipment Description: Diesel fired emergency generator engine

3. Was this unit constructed or modified after August 7, 1977? X Yes ___ No
If yes please give date and explain. Existing source is being modified to a larger standby emergency engine

4. Capacity: 1.85 MMBTU/hr 5. Type of burner: I/C

6. Usage Type (i.e. Space Heat, Process, etc.) : Process

7. Complete the following table, identifying each type of fuel and the amount used. Specify the units for heat content, hourly usage, and yearly usage.

FUEL TYPE	HEAT CONTENT	% SULFUR	% ASH	MAXIMUM HOURLY USAGE	ACTUAL YEARLY USAGE
Diesel	19300 Btu/Lb	< 1%	NA		

8. Please list any fuel components that are hazardous air pollutants and the percentage in the fuel.

NA

9. Operating Schedule: (Optional) _____ hours/day _____ days/week _____ weeks/year

10. Stack Data:
A. Height: 4 ft C. Exit gas velocity: 1700 cfm
B. Inside diameter: 0.322 ft D. Exit gas temperature: 880 F

11. UTM Coordinates:
A. Zone 15 B. North 3547.311 C. East 688.1248

FUEL BURNING EQUIPMENT (page 2 of 2) SECTION D

12. POLLUTANT EMISSIONS:

Example emission rate calculations, monitoring data, or stack test data must be attached in accordance with Operating Permit Application Requirements, pp. 3-5.

EMISSION POINT NO.	POLLUTANT (note 1)	CONTROL EQUIPMENT		ACTUAL EMISSION RATE (in accordance with Operating Permit Application Requirements, pp. 3-5)			PROPOSED ALLOWABLE EMISSION RATE (Optional)*		
		yes/no	effic.	note 2	lb/hr	tn/yr	note 2	lb/hr	tn/yr
AA-003	PM10	No	NA	NA	0.574	0.010	NA	0.574	0.143
	SO2	No	NA	NA	0.537	0.010	NA	0.537	0.134
	NOx	No	NA	NA	8.159	0.147	NA	8.159	2.040
	CO	No	NA	NA	1.758	0.032	NA	1.758	0.439
	VOC	No	NA	NA	0.648	0.012	NA	0.648	0.162

*Based upon 500 Hr/year

1. All regulated air pollutants including hazardous air pollutants emitted from this source should be listed. A list of regulated air pollutants has been provided in Section A.
2. Provide emission rate in units of applicable emission standard, e.g. lb/MMbtu, gr/dscf, etc. This may not apply to every emission point or every pollutant from an emission point.

*

If yes, attach appropriate Air Pollution Control Data Sheet from Section L or manufacturers specifications if other.

FUEL BURNING EQUIPMENT (page 1 of 2) SECTION D

1. **Emission Point No. / Name:** AC-003 / Division 2 Starting Air Compressor Diesel Engine

   Equipment Description: Diesel Fired Engine

3. **Was this unit constructed or modified after August 7, 1977?** X Yes No
   If yes please give date and explain.

4. **Capacity:** 0.34 MMBTU/hr **5. Type of burner:** I/C

6. **Usage Type (i.e. Space Heat, Process, etc.) :** Process

7. **Complete the following table, identifying each type of fuel and the amount used. Specify the units for heat content, hourly usage, and yearly usage.**

FUEL TYPE	HEAT CONTENT	% SULFUR	% ASH	MAXIMUM HOURLY USAGE	ACTUAL YEARLY USAGE
Diesel	19300 Btu/lb	<1%	N/A		

8. **Please list any fuel components that are hazardous air pollutants and the percentage in the fuel.**

   N/A

9. **Operating Schedule: (Optional)** hours/day days/week weeks/year

10. **Stack Data:**
    A. Height: 40 ft C. Exit gas velocity: ft/s
    B. Inside diameter: 0.17 ft D. Exit gas temperature: F

11. **UTM Coordinates:**
    A. Zone 15 B. North 3547.311 C. East 688.1248

12. POLLUTANT EMISSIONS:

Example emission rate calculations, monitoring data, or stack test data must be attached in accordance with Operating Permit Application Requirements, pp. 3-5.

EMISSION POINT NO.	POLLUTANT (note 1)	CONTROL EQUIPMENT		ACTUAL EMISSION RATE (in accordance with Operating Permit Application Requirements, pp. 3-5)			PROPOSED ALLOWABLE EMISSION RATE (Optional)		
		* yes/no	effic.	note 2	lb/hr	tn/yr	note 2	lb/hr	tn/yr
AC-003	PM_{10}	no	N/A		0.11	0.115		0.11	0.46
	SO_2	no	N/A		0.1	0.1075		0.1	0.43
	NO_x	no	N/A		1.5	1.6425		1.5	6.57
	CO	no	N/A		0.32	0.3525		0.32	1.41
	VOC	no	N/A		0.12	0.13		0.12	0.52

1. **All regulated air pollutants including hazardous air pollutants emitted from this source should be listed. A list of regulated air pollutants has been provided in Section A.**
2. **Provide emission rate in units of applicable emission standard, e.g. lb/MMbtu, gr/dscf, etc. This may not apply to every emission point or every pollutant from an emission point.**

* **If yes, attach appropriate Air Pollution Control Data Sheet from Section L or manufacturers specifications if other.**

FUEL BURNING EQUIPMENT (page 1 of 2) SECTION D

1. **Emission Point No. / Name:** AD-003 / Division 3 Starting Air Compressor Diesel Engine

   Equipment Description: Diesel Fired Engine

3. **Was this unit constructed or modified after August 7, 1977?** X Yes No
   If yes please give date and explain.

4. **Capacity:** 0.084 MMBTU/hr **5. Type of burner:** I/C

6. **Usage Type (i.e. Space Heat, Process, etc.) :** Process

7. **Complete the following table, identifying each type of fuel and the amount used. Specify the units for heat content, hourly usage, and yearly usage.**

FUEL TYPE	HEAT CONTENT	% SULFUR	% ASH	MAXIMUM HOURLY USAGE	ACTUAL YEARLY USAGE
Diesel	19300 Btu/lb	<1%	N/A		

8. **Please list any fuel components that are hazardous air pollutants and the percentage in the fuel.**

   N/A

9. **Operating Schedule: (Optional)** hours/day days/week weeks/year

10. **Stack Data:**
    A. Height: 40 ft C. Exit gas velocity: ft/s
    B. Inside diameter: 0.17 ft D. Exit gas temperature: F

11. **UTM Coordinates:**
    A. Zone 15 B. North 3547.311 C. East 688.1248

12. POLLUTANT EMISSIONS:

Example emission rate calculations, monitoring data, or stack test data must be attached in accordance with Operating Permit Application Requirements, pp. 3-5.

EMISSION POINT NO.	POLLUTANT (note 1)	CONTROL EQUIPMENT		ACTUAL EMISSION RATE (In accordance with Operating Permit Application Requirements, pp. 3-5)			PROPOSED ALLOWABLE EMISSION RATE (Optional)		
		yes/no *	effic.	note 2	lb/hr	tn/yr	note 2	lb/hr	tn/yr
AD-003	PM_{10}	no	N/A		0.03	0.0275		0.03	0.11
	SO_2	no	N/A		0.02	0.0275		0.02	0.11
	NO_x	no	N/A		0.37	0.405		0.37	1.62
	CO	no	N/A		0.08	0.0875		0.08	0.35
	VOC	no	N/A		0.03	0.0325		0.03	0.13

1. **All regulated air pollutants including hazardous air pollutants emitted from this source should be listed. A list of regulated air pollutants has been provided in Section A.**
2. **Provide emission rate in units of applicable emission standard, e.g. lb/MMbtu, gr/dscf, etc. This may not apply to every emission point or every pollutant from an emission point.**

* **If yes, attach appropriate Air Pollution Control Data Sheet from Section L or manufacturers specifications if other.**

FUEL BURNING EQUIPMENT (page 1 of 2) SECTION D

1. **Emission Point No. / Name:** AE-003 / Water Well Diesel Engine

   Equipment Description: Diesel Fired Engine

3. **Was this unit constructed or modified after August 7, 1977?** X Yes No
   If yes please give date and explain.

4. **Capacity:** 0.85 MMBTU/hr **5. Type of burner:** I/C

6. **Usage Type (i.e. Space Heat, Process, etc.) :** Process

7. **Complete the following table, identifying each type of fuel and the amount used. Specify the units for heat content, hourly usage, and yearly usage.**

FUEL TYPE	HEAT CONTENT	% SULFUR	% ASH	MAXIMUM HOURLY USAGE	ACTUAL YEARLY USAGE
Diesel	19300 Btu/lb	<1%	N/A		

8. **Please list any fuel components that are hazardous air pollutants and the percentage in the fuel.**

   N/A

9. **Operating Schedule: (Optional)** hours/day days/week weeks/year

10. **Stack Data:**
    A. Height: 18 ft C. Exit gas velocity: 282 ft/s
    B. Inside diameter: 0.25 ft D. Exit gas temperature: F

11. **UTM Coordinates:**
    A. Zone 15 B. North 3547.311 C. East 688.1248

12. POLLUTANT EMISSIONS:

Example emission rate calculations, monitoring data, or stack test data must be attached in accordance with Operating Permit Application Requirements, pp. 3-5.

EMISSION POINT NO.	POLLUTANT (note 1)	CONTROL EQUIPMENT		ACTUAL EMISSION RATE (in accordance with Operating Permit Application Requirements, pp. 3-5)			PROPOSED ALLOWABLE EMISSION RATE (Optional)		
		yes/no *	effic.	note 2	lb/hr	tn/yr	note 2	lb/hr	tn/yr
AE-003	PM_{10}	no	N/A		0.26	0.0175		0.26	0.07
	SO_2	no	N/A		0.25	0.015		0.25	0.06
	NO_x	no	N/A		3.75	0.235		3.75	0.94
	CO	no	N/A		0.81	0.05		0.81	0.20
	VOC	no	N/A		0.3	0.0175		0.3	0.07

1. All regulated air pollutants including hazardous air pollutants emitted from this source should be listed. A list of regulated air pollutants has been provided in Section A.
2. Provide emission rate in units of applicable emission standard, e.g. lb/MMbtu, gr/dscf, etc. This may not apply to every emission point or every pollutant from an emission point.

* If yes, attach appropriate Air Pollution Control Data Sheet from Section L or manufacturers specifications if other.

FUEL BURNING EQUIPMENT (page 1 of 2) SECTION D

1. **Emission Point No. / Name:** AA-004 / Outage Equipment

2. **Equipment Description:** Combination of Diesel Fired Engines Used During Outages

3. **Was this unit constructed or modified after August 7, 1977?** X Yes No
If yes please give date and explain.

4. **Capacity:** <79.48 MMBTU/hr 5. **Type of burner:** I/C

6. **Usage Type (i.e. Space Heat, Process, etc.) :** Process

7. **Complete the following table, identifying each type of fuel and the amount used. Specify the units for heat content, hourly usage, and yearly usage.**

FUEL TYPE	HEAT CONTENT	% SULFUR	% ASH	MAXIMUM HOURLY USAGE	ACTUAL YEARLY USAGE
Diesel	19300 Btu/lb	<1%	N/A		

8. **Please list any fuel components that are hazardous air pollutants and the percentage in the fuel.**

N/A

9. **Operating Schedule: (Optional)** hours/day days/week weeks/year

10. **Stack Data:**
A. Height: ft C. Exit gas velocity: ft/s
B. Inside diameter: ft D. Exit gas temperature: F

11. **UTM Coordinates:**
A. Zone 15 B. North 3547.311 C. East 688.1248

12. POLLUTANT EMISSIONS:

Example emission rate calculations, monitoring data, or stack test data must be attached in accordance with Operating Permit Application Requirements, pp. 3-5.

EMISSION POINT NO.	POLLUTANT (note 1)	CONTROL EQUIPMENT		ACTUAL EMISSION RATE (in accordance with Operating Permit Application Requirements, pp. 3-5)			PROPOSED ALLOWABLE EMISSION RATE (Optional)		
		* yes/no	effic.	note 2	lb/hr	tn/yr	note 2	lb/hr	tn/yr
AA-004	PM_{10}	no	N/A		7.95	0.05		7.95	0.2
	SO_2	no	N/A		80.27	0.5025		80.27	2.01
	NO_x	no	N/A		254.3	1.59		254.3	6.36
	CO	no	N/A		67.56	0.4225		67.56	1.69
	VOC	no	N/A		7.15	0.045		7.15	0.18

1. All regulated air pollutants including hazardous air pollutants emitted from this source should be listed. A list of regulated air pollutants has been provided in Section A.
2. Provide emission rate in units of applicable emission standard, e.g. lb/MMbtu, gr/dscf, etc. This may not apply to every emission point or every pollutant from an emission point.

* If yes, attach appropriate Air Pollution Control Data Sheet from Section L or manufacturers specifications if other.

FUEL BURNING EQUIPMENT (page 1 of 2) SECTION D

1. **Emission Point No. / Name:** AA-011 / Telecommunications Emergency Generator

2. **Equipment Description:** Diesel Fired Generator

3. **Was this unit constructed or modified after August 7, 1977?** X Yes No
If yes please give date and explain.

4. **Capacity:** 0.42 MMBTU/hr 5. **Type of burner:** I/C

6. **Usage Type (i.e. Space Heat, Process, etc.) :** Process

7. **Complete the following table, identifying each type of fuel and the amount used. Specify the units for heat content, hourly usage, and yearly usage.**

FUEL TYPE	HEAT CONTENT	% SULFUR	% ASH	MAXIMUM HOURLY USAGE	ACTUAL YEARLY USAGE
Diesel	19300 Btu/lb	<1%	N/A		

8. **Please list any fuel components that are hazardous air pollutants and the percentage in the fuel.**

N/A

9. **Operating Schedule: (Optional)** hours/day days/week weeks/year

10. **Stack Data:**
A. Height: ft C. Exit gas velocity: ft/s
B. Inside diameter: ft D. Exit gas temperature: F

11. **UTM Coordinates:**
A. Zone 15 B. North 3547.311 C. East 688.1248

12. POLLUTANT EMISSIONS:

Example emission rate calculations, monitoring data, or stack test data must be attached in accordance with Operating Permit Application Requirements, pp. 3-5.

EMISSION POINT NO.	POLLUTANT (note 1)	CONTROL EQUIPMENT		ACTUAL EMISSION RATE (in accordance with Operating Permit Application Requirements, pp. 3-5)			PROPOSED ALLOWABLE EMISSION RATE (Optional)		
		yes/no *	effic.	note 2	lb/hr	tn/yr	note 2	lb/hr	tn/yr
AA-004	PM_{10}	no	N/A		0.13	0.008		0.13	0.03
	SO_2	no	N/A		0.12	0.008		0.12	0.03
	NO_x	no	N/A		1.85	0.115		1.85	0.46
	CO	no	N/A		0.4	0.025		0.4	0.1
	VOC	no	N/A		0.15	0.01		0.15	0.04

1. All regulated air pollutants including hazardous air pollutants emitted from this source should be listed. A list of regulated air pollutants has been provided in Section A.
2. Provide emission rate in units of applicable emission standard, e.g. lb/MMbtu, gr/dscf, etc. This may not apply to every emission point or every pollutant from an emission point.

* If yes, attach appropriate Air Pollution Control Data Sheet from Section L or manufacturers specifications if other.

COMPLIANCE DEMONSTRATION BY RECORDKEEPING

SECTION M7

1. Emission Point No./Name : AA-001 Division I Emergency Diesel Engine

2. Pollutant: PM10, SO2, NOx, CO, VOC, Opacity

3. Material or parameter being monitored or recorded: Hours of Operation

4. Method of monitoring and recordkeeping: Log sheets maintained by the equipment operator. These are maintained on site for inspection. Reports are transmitted as prescribed by Mississippi Permit Number 0420-00023.

5. List any EPA methods used: NA [See also Section N]

6. Compliance shall be demonstrated:

X Daily _____ Weekly _____ Monthly _____ Quarterly

COMPLIANCE DEMONSTRATION BY RECORDKEEPING

SECTION M7

1. Emission Point No./Name : AB-001 Division II Emergency Diesel Engine

2. Pollutant: PM10, SO2, NOx, CO, VOC, Opacity

3. Material or parameter being monitored or recorded: Hours of Operation

4. Method of monitoring and recordkeeping: Log sheets maintained by the equipment operator. These are maintained on site for inspection. Reports are transmitted as prescribed by Mississippi Permit Number 0420-00023.

5. List any EPA methods used: NA [See also Section N]

6. Compliance shall be demonstrated:

X Daily _____ Weekly _____ Monthly _____ Quarterly

COMPLIANCE DEMONSTRATION BY RECORDKEEPING

SECTION M7

1. Emission Point No./Name : AC-001 Division III Emergency Diesel Engine

2. Pollutant: PM10, SO2, NOx, CO, VOC, Opacity

3. Material or parameter being monitored or recorded: Hours of Operation

4. Method of monitoring and recordkeeping: Log sheets maintained by the equipment operator. These are maintained on site for inspection. Reports are transmitted as prescribed by Mississippi Permit Number 0420-00023.

5. List any EPA methods used: NA [See also Section N]

6. Compliance shall be demonstrated:

X Daily _____ Weekly _____ Monthly _____ Quarterly

COMPLIANCE DEMONSTRATION BY RECORDKEEPING

SECTION M7

1. Emission Point No./Name : AA-002 Fire Water A Diesel Engine

2. Pollutant: PM10, SO2, NOx, CO, VOC, Opacity

3. Material or parameter being monitored or recorded: Hours of Operation

4. Method of monitoring and recordkeeping: Log sheets maintained by the equipment operator. These are maintained on site for inspection. Reports are transmitted as prescribed by Mississippi Permit Number 0420-00023.

5. List any EPA methods used: NA [See also Section N]

6. Compliance shall be demonstrated:

X Daily_____ Weekly _____ Monthly _____ Quarterly

COMPLIANCE DEMONSTRATION BY RECORDKEEPING

SECTION M7

1. Emission Point No./Name : AB-002 Fire Water B Diesel Engine

2. Pollutant: PM10, SO2, NOx, CO, VOC, Opacity

3. Material or parameter being monitored or recorded: Hours of Operation

4. Method of monitoring and recordkeeping: Log sheets maintained by the equipment operator. These are maintained on site for inspection. Reports are transmitted as prescribed by Mississippi Permit Number 0420-00023.

5. List any EPA methods used: NA [See also Section N]

6. Compliance shall be demonstrated:

X Daily _____ Weekly _____ Monthly _____ Quarterly

COMPLIANCE DEMONSTRATION BY RECORDKEEPING

SECTION M7

1. Emission Point No./Name : AC-002 ESC Emergency Diesel Engine

2. Pollutant: PM10, SO2, NOx, CO, VOC, Opacity

3. Material or parameter being monitored or recorded: Hours of Operation

4. Method of monitoring and recordkeeping: Log sheets maintained by the equipment operator. These are maintained on site for inspection. Reports are transmitted as prescribed by Mississippi Permit Number 0420-00023.

5. List any EPA methods used: NA [See also Section N]

6. Compliance shall be demonstrated:

X Daily _____ Weekly _____ Monthly _____ Quarterly

COMPLIANCE DEMONSTRATION BY RECORDKEEPING

SECTION M7

1. Emission Point No./Name : AA-003 OSC Emergency Diesel Engine

2. Pollutant: PM10, SO2, NOx, CO, VOC, Opacity

3. Material or parameter being monitored or recorded: Hours of Operation

4. Method of monitoring and recordkeeping: Log sheets maintained by the equipment operator. These are maintained on site for inspection. Reports are transmitted as prescribed by Mississippi Permit Number 0420-00023.

5. List any EPA methods used: NA [See also Section N]

6. Compliance shall be demonstrated:

X Daily_____ Weekly _____ Monthly _____ Quarterly

COMPLIANCE DEMONSTRATION BY RECORDKEEPING

SECTION M7

1. Emission Point No./Name : AB-003 Division I Emergency Diesel Start Engine

2. Pollutant: PM10, SO2, NOx, CO, VOC, Opacity

3. Material or parameter being monitored or recorded: Hours of Operation

4. Method of monitoring and recordkeeping: Log sheets maintained by the equipment operator. These are maintained on site for inspection. Reports are transmitted as prescribed by Mississippi Permit Number 0420-00023.

5. List any EPA methods used: NA [See also Section N]

6. Compliance shall be demonstrated:

X Daily _____ Weekly _____ Monthly _____ Quarterly

COMPLIANCE DEMONSTRATION BY RECORDKEEPING

SECTION M7

1. Emission Point No./Name : AC-003 Division II Emergency Diesel Start Engine

2. Pollutant: PM10, SO2, NOx, CO, VOC, Opacity

3. Material or parameter being monitored or recorded: Hours of Operation

4. Method of monitoring and recordkeeping: Log sheets maintained by the equipment operator. These are maintained on site for inspection. Reports are transmitted as prescribed by Mississippi Permit Number 0420-00023.

5. List any EPA methods used: NA [See also Section N]

6. Compliance shall be demonstrated:

X Daily _____ Weekly _____ Monthly _____ Quarterly

COMPLIANCE DEMONSTRATION BY RECORDKEEPING

SECTION M7

1. Emission Point No./Name : AD-003 Division III Emergency Diesel Start Engine

2. Pollutant: PM10, SO2, NOx, CO, VOC, Opacity

3. Material or parameter being monitored or recorded: Hours of Operation

4. Method of monitoring and recordkeeping: Log sheets maintained by the equipment operator. These are maintained on site for inspection. Reports are transmitted as prescribed by Mississippi Permit Number 0420-00023.

5. List any EPA methods used: NA [See also Section N]

6. Compliance shall be demonstrated:

X Daily _____ Weekly _____ Monthly _____ Quarterly

COMPLIANCE DEMONSTRATION BY RECORDKEEPING

SECTION M7

1. Emission Point No./Name : AE-003 Water Well Diesel Engine

2. Pollutant: PM10, SO2, NOx, CO, VOC, Opacity

3. Material or parameter being monitored or recorded: Hours of Operation

4. Method of monitoring and recordkeeping: Log sheets maintained by the equipment operator. These are maintained on site for inspection. Reports are transmitted as prescribed by Mississippi Permit Number 0420-00023.

5. List any EPA methods used: NA [See also Section N]

6. Compliance shall be demonstrated:

X Daily _____ Weekly _____ Monthly _____ Quarterly

COMPLIANCE DEMONSTRATION BY RECORDKEEPING

SECTION M7

1. Emission Point No./Name : AA-004 Large Outage Engines

2. Pollutant: PM10, SO2, NOx, CO, VOC, Opacity

3. Material or parameter being monitored or recorded: Hours of Operation

4. Method of monitoring and recordkeeping: Log sheets maintained by the equipment operator. These are maintained on site for inspection. Reports are transmitted as prescribed by Mississippi Permit Number 0420-00023.

5. List any EPA methods used: NA [See also Section N]

6. Compliance shall be demonstrated:

X Daily _____ Weekly _____ Monthly _____ Quarterly

COMPLIANCE DEMONSTRATION BY RECORDKEEPING

SECTION M7

1. Emission Point No./Name : AA-011 Telecom Emergency Diesel Engine

2. Pollutant: PM10, SO2, NOx, CO, VOC, Opacity

3. Material or parameter being monitored or recorded: Hours of Operation

4. Method of monitoring and recordkeeping: Log sheets maintained by the equipment operator. These are maintained on site for inspection. Reports are transmitted as prescribed by Mississippi Permit Number 0420-00023.

5. List any EPA methods used: NA [See also Section N]

6. Compliance shall be demonstrated:

X Daily _____ Weekly _____ Monthly _____ Quarterly

Current Applicable Requirements and Status Page 1 of 26 SECTION N

List applicable state and federal regulations and applicable test methods for determining compliance with each applicable requirement. Clearly identify federal regulations from state requirements. Provide the compliance status as of the day the application is signed.

Emission Point No.	Applicable Requirement	Pollutant	Test Method	Limits	Compliance Status IN / OUT
AA-001	MS Permit No: 0420-00023	PM10	EPA Method 201 or 201A and 202 40CFR51, App. M	0.84 Tons/year	IN
AA-001	MS Permit No: 0420-00023	SO2	EPA Method 6 40CFR60, App A	8.49 Tons/year	IN
AA-001	MS Permit No: 0420-00023	NOx	EPA Method 7 40CFR60, App A	26.90 Tons/year	IN
AA-001	MS Permit No: 0420-00023	CO	EPA Method 10 40CFR60, App A	7.15 Tons/year	IN
AA-001	MS Permit No: 0420-00023	VOC	EPA Method 25 40CFR60, App A	0.76 Tons/year	IN
AA-001	MS Permit No: 0420-00023	Opacity	EPA Method 9 40CFR60, App. A.	40 %	IN
AA-001	MS Permit No: 0420-00023	Operating Schedule Limits		Authorized to operate 250 hours on a 365 day rolling basis	IN

List applicable state and federal regulations and applicable test methods for determining compliance with each applicable requirement. Clearly identify federal regulations from state requirements. Provide the compliance status as of the day the application is signed.

Emission Point No.	Applicable Requirement	Pollutant	Test Method	Limits	Compliance Status IN / OUT
AA-001	Mississippi APC-S-1	Smoke	None	40 % Opacity	IN
AA-001	Mississippi APC-S-1	Smoke	None	> 40% Opacity for ≤15 minutes/startup not to exceed 3 startups/24 hours	IN
AA-001	Mississippi APC-S-1	Opacity	None	40 % Opacity	IN
AA-001	Mississippi APC-S-1	SO2	None	4.8 Lb/mmBTU	IN
AA-001	Mississippi APC-S-1	Particulate	None	0.6 Lb/mmBTU	IN

List applicable state and federal regulations and applicable test methods for determining compliance with each applicable requirement. Clearly identify federal regulations from state requirements. Provide the compliance status as of the day the application is signed.

Emission Point No.	Applicable Requirement	Pollutant	Test Method	Limits	Compliance Status IN / OUT
AB-001	MS Permit No: 0420-00023	PM10	EPA Method 201 or 201A and 202 40CFR51, App. M	0.84 Tons/year	IN
AB-001	MS Permit No: 0420-00023	SO2	EPA Method 6 40CFR60, App A	8.49 Tons/year	IN
AB-001	MS Permit No: 0420-00023	NOx	EPA Method 7 40CFR60, App A	26.90 Tons/year	IN
AB-001	MS Permit No: 0420-00023	CO	EPA Method 10 40CFR60, App A	7.15 Tons/year	IN
AB-001	MS Permit No: 0420-00023	VOC	EPA Method 25 40CFR60, App A	0.76 Tons/year	IN
AB-001	MS Permit No: 0420-00023	Opacity	EPA Method 9 40CFR60, App. A.	40 %	IN
AB-001	MS Permit No: 0420-00023	Operating Schedule Limits		Authorized to operate 250 hours on a 365 day rolling basis	IN

Current Applicable Requirements and Status Page 4 of 26 SECTION N

List applicable state and federal regulations and applicable test methods for determining compliance with each applicable requirement. Clearly identify federal regulations from state requirements. Provide the compliance status as of the day the application is signed.

Emission Point No.	Applicable Requirement	Pollutant	Test Method	Limits	Compliance Status IN / OUT
AB-001	Mississippi APC-S-1	Smoke	None	40 % Opacity	IN
AB-001	Mississippi APC-S-1	Smoke	None	> 40% Opacity for ≤ 15 minutes/startup not to exceed 3 startups/24 hours	IN
AB-001	Mississippi APC-S-1	Opacity	None	40 % Opacity	IN
AB-001	Mississippi APC-S-1	SO2	None	4.8 Lb/mmBTU	IN
AB-001	Mississippi APC-S-1	Particulate	None	0.6 Lb/mmBTU	IN

List applicable state and federal regulations and applicable test methods for determining compliance with each applicable requirement. Clearly identify federal regulations from state requirements. Provide the compliance status as of the day the application is signed.

Emission Point No.	Applicable Requirement	Pollutant	Test Method	Limits	Compliance Status IN / OUT
AC-001	MS Permit No: 0420-00023	PM10	EPA Method 201 or 201A and 202 40CFR51, App. M	0.43 Tons/year	IN
AC-001	MS Permit No: 0420-00023	SO2	EPA Method 6 40CFR60, App A	4.33 Tons/year	IN
AC-001	MS Permit No: 0420-00023	NOx	EPA Method 7 40CFR60, App A	13.70 Tons/year	IN
AC-001	MS Permit No: 0420-00023	CO	EPA Method 10 40CFR60, App A	3.64 Tons/year	IN
AC-001	MS Permit No: 0420-00023	VOC	EPA Method 25 40CFR60, App A	0.39 Tons/year	IN
AC-001	MS Permit No: 0420-00023	Opacity	EPA Method 9 40CFR60, App. A.	40 %	IN
AC-001	MS Permit No: 0420-00023	Operating Schedule Limits		Authorized to operate 250 hours on a 365 day rolling basis	IN

Current Applicable Requirements and Status Page 6 of 26 SECTION N

List applicable state and federal regulations and applicable test methods for determining compliance with each applicable requirement. Clearly identify federal regulations from state requirements. Provide the compliance status as of the day the application is signed.

Emission Point No.	Applicable Requirement	Pollutant	Test Method	Limits	Compliance Status IN / OUT
AC-001	Mississippi APC-S-1	Smoke	None	40 % Opacity	IN
AC-001	Mississippi APC-S-1	Smoke	None	> 40% Opacity for ≤ 15 minutes/startup not to exceed 3 startups/24 hours	IN
AC-001	Mississippi APC-S-1	Opacity	None	40 % Opacity	IN
AC-001	Mississippi APC-S-1	SO2	None	4.8 Lb/mmBTU	IN
AC-001	Mississippi APC-S-1	Particulate	None	0.6 Lb/mmBTU	IN

Current Applicable Requirements and Status Page 7 of 26 SECTION N

List applicable state and federal regulations and applicable test methods for determining compliance with each applicable requirement. Clearly identify federal regulations from state requirements. Provide the compliance status as of the day the application is signed.

Emission Point No.	Applicable Requirement	Pollutant	Test Method	Limits	Compliance Status IN / OUT
AA-002	MS Permit No: 0420-00023	PM10	EPA Method 201 or 201A and 202 40CFR51, App. M	0.08 Tons/year	IN
AA-002	MS Permit No: 0420-00023	SO2	EPA Method 6 40CFR60, App A	0.82 Tons/year	IN
AA-002	MS Permit No: 0420-00023	NOx	EPA Method 7 40CFR60, App A	2.61 Tons/year	IN
AA-002	MS Permit No: 0420-00023	CO	EPA Method 10 40CFR60, App A	0.69 Tons/year	IN
AA-002	MS Permit No: 0420-00023	VOC	EPA Method 25 40CFR60, App A	0.07 Tons/year	IN
AA-002	MS Permit No: 0420-00023	Opacity	EPA Method 9 40CFR60, App. A.	40 %	IN
AA-002	MS Permit No: 0420-00023	Operating Schedule Limits		Authorized to operate 500 hours on a 365 day rolling basis	IN

List applicable state and federal regulations and applicable test methods for determining compliance with each applicable requirement. Clearly identify federal regulations from state requirements. Provide the compliance status as of the day the application is signed.

Emission Point No.	Applicable Requirement	Pollutant	Test Method	Limits	Compliance Status IN / OUT
AA-002	Mississippi APC-S-1	Smoke	None	40 % Opacity	IN
AA-002	Mississippi APC-S-1	Smoke	None	> 40% Opacity for ≤ 15 minutes/startup not to exceed 3 startups/24 hours	IN
AA-002	Mississippi APC-S-1	Opacity	None	40 % Opacity	IN
AA-002	Mississippi APC-S-1	SO2	None	4.8 Lb/mmBTU	IN
AA-002	Mississippi APC-S-1	Particulate	None	0.6 Lb/mmBTU	IN

Current Applicable Requirements and Status Page 9 of 26 SECTION N

List applicable state and federal regulations and applicable test methods for determining compliance with each applicable requirement. Clearly identify federal regulations from state requirements. Provide the compliance status as of the day the application is signed.

Emission Point No.	Applicable Requirement	Pollutant	Test Method	Limits	Compliance Status IN / OUT
AB-002	MS Permit No: 0420-00023	PM10	EPA Method 201 or 201A and 202 40CFR51, App. M	0.08 Tons/year	IN
AB-002	MS Permit No: 0420-00023	SO2	EPA Method 6 40CFR60, App A	0.82 Tons/year	IN
AB-002	MS Permit No: 0420-00023	NOx	EPA Method 7 40CFR60, App A	2.61 Tons/year	IN
AB-002	MS Permit No: 0420-00023	CO	EPA Method 10 40CFR60, App A	0.69 Tons/year	IN
AB-002	MS Permit No: 0420-00023	VOC	EPA Method 25 40CFR60, App A	0.07 Tons/year	IN
AB-002	MS Permit No: 0420-00023	Opacity	EPA Method 9 40CFR60, App. A.	40 %	IN
AB-002	MS Permit No: 0420-00023	Operating Schedule Limits		Authorized to operate 500 hours on a 365 day rolling basis	IN

List applicable state and federal regulations and applicable test methods for determining compliance with each applicable requirement. Clearly identify federal regulations from state requirements. Provide the compliance status as of the day the application is signed.

Emission Point No.	Applicable Requirement	Pollutant	Test Method	Limits	Compliance Status IN / OUT
AB-002	Mississippi APC-S-1	Smoke	None	40 % Opacity	IN
AA-002	Mississippi APC-S-1	Smoke	None	> 40% Opacity for ≤ 15 minutes/startup not to exceed 3 startups/24 hours	IN
AB-002	Mississippi APC-S-1	Opacity	None	40 % Opacity	IN
AB-002	Mississippi APC-S-1	SO2	None	4.8 Lb/mmBTU	IN
AB-002	Mississippi APC-S-1	Particulate	None	0.6 Lb/mmBTU	IN

List applicable state and federal regulations and applicable test methods for determining compliance with each applicable requirement. Clearly identify federal regulations from state requirements. Provide the compliance status as of the day the application is signed.

Emission Point No.	Applicable Requirement	Pollutant	Test Method	Limits	Compliance Status IN / OUT
AC-002	MS Permit No: 0420-00023	PM10	EPA Method 201 or 201A and 202 40CFR51, App. M	0.03 Tons/year	IN
AC-002	MS Permit No: 0420-00023	SO2	EPA Method 6 40CFR60, App A	0.28 Tons/year	IN
AC-002	MS Permit No: 0420-00023	NOx	EPA Method 7 40CFR60, App A	0.90 Tons/year	IN
AC-002	MS Permit No: 0420-00023	CO	EPA Method 10 40CFR60, App A	0.24 Tons/year	IN
AC-002	MS Permit No: 0420-00023	VOC	EPA Method 25 40CFR60, App A	0.03 Tons/year	IN
AC-002	MS Permit No: 0420-00023	Opacity	EPA Method 9 40CFR60, App. A.	40 %	IN
AC-002	MS Permit No: 0420-00023	Operating Schedule Limits		Authorized to operate100 hours on a 365 day rolling basis	IN

List applicable state and federal regulations and applicable test methods for determining compliance with each applicable requirement. Clearly identify federal regulations from state requirements. Provide the compliance status as of the day the application is signed.

Emission Point No.	Applicable Requirement	Pollutant	Test Method	Limits	Compliance Status IN / OUT
AC-002	Mississippi APC-S-1	Smoke	None	40 % Opacity	IN
AC-002	Mississippi APC-S-1	Smoke	None	> 40% Opacity for ≤ 15 minutes/startup not to exceed 3 startups/24 hours	IN
AC-002	Mississippi APC-S-1	Opacity	None	40 % Opacity	IN
AC-002	Mississippi APC-S-1	SO2	None	4.8 Lb/mmBTU	IN
AC-002	Mississippi APC-S-1	Particulate	None	0.6 Lb/mmBTU	IN

List applicable state and federal regulations and applicable test methods for determining compliance with each applicable requirement. Clearly identify federal regulations from state requirements. Provide the compliance status as of the day the application is signed.

Emission Point No.	Applicable Requirement	Pollutant	Test Method	Limits	Compliance Status IN / OUT
AA-003	MS Permit No: 0420-00023	PM10	EPA Method 201 or 201A and 202 40CFR51, App. M	0.14 Tons/year	IN
AA-003	MS Permit No: 0420-00023	SO2	EPA Method 6 40CFR60, App A	0.13 Tons/year	IN
AA-003	MS Permit No: 0420-00023	NOx	EPA Method 7 40CFR60, App A	2.04 Tons/year	IN
AA-003	MS Permit No: 0420-00023	CO	EPA Method 10 40CFR60, App A	0.44 Tons/year	IN
AA-003	MS Permit No: 0420-00023	VOC	EPA Method 25 40CFR60, App A	0.16 Tons/year	IN
AA-003	MS Permit No: 0420-00023	Opacity	EPA Method 9 40CFR60, App. A.	40 %	IN
AA-003	MS Permit No: 0420-00023	Operating Schedule Limits		Authorized to operate 500 hours on a 365 day rolling basis	IN

List applicable state and federal regulations and applicable test methods for determining compliance with each applicable requirement. Clearly identify federal regulations from state requirements. Provide the compliance status as of the day the application is signed.

Emission Point No.	Applicable Requirement	Pollutant	Test Method	Limits	Compliance Status IN / OUT
AA-003	Mississippi APC-S-1	Smoke	None	40 % Opacity	IN
AA-003	Mississippi APC-S-1	Smoke	None	> 40% Opacity for ≤ 15 minutes/startup not to exceed 3 startups/24 hours	IN
AA-003	Mississippi APC-S-1	Opacity	None	40 % Opacity	IN
AA-003	Mississippi APC-S-1	SO2	None	4.8 Lb/mmBTU	IN
AA-003	Mississippi APC-S-1	Particulate	None	0.6 Lb/mmBTU	IN

List applicable state and federal regulations and applicable test methods for determining compliance with each applicable requirement. Clearly identify federal regulations from state requirements. Provide the compliance status as of the day the application is signed.

Emission Point No.	Applicable Requirement	Pollutant	Test Method	Limits	Compliance Status IN / OUT
AB-003	MS Permit No: 0420-00023	PM10	EPA Method 201 or 201A and 202 40CFR51, App. M	0.46 Tons/year	IN
AB-003	MS Permit No: 0420-00023	SO2	EPA Method 6 40CFR60, App A	0.43 Tons/year	IN
AB-003	MS Permit No: 0420-00023	NOx	EPA Method 7 40CFR60, App A	6.57 Tons/year	IN
AB-003	MS Permit No: 0420-00023	CO	EPA Method 10 40CFR60, App A	1.41 Tons/year	IN
AB-003	MS Permit No: 0420-00023	VOC	EPA Method 25 40CFR60, App A	0.52 Tons/year	IN
AB-003	MS Permit No: 0420-00023	Opacity	EPA Method 9 40CFR60, App. A.	40 %	IN
AB-003	MS Permit No: 0420-00023	Operating Schedule Limits		Authorized to operate 8760 hours on a 365 day rolling basis	IN

List applicable state and federal regulations and applicable test methods for determining compliance with each applicable requirement. Clearly identify federal regulations from state requirements. Provide the compliance status as of the day the application is signed.

Emission Point No.	Applicable Requirement	Pollutant	Test Method	Limits	Compliance Status IN / OUT
AB-003	Mississippi APC-S-1	Smoke	None	40 % Opacity	IN
AB-003	Mississippi APC-S-1	Smoke	None	> 40% Opacity for ≤ 15 minutes/startup not to exceed 3 startups/24 hours	IN
AB-003	Mississippi APC-S-1	Opacity	None	40 % Opacity	IN
AB-003	Mississippi APC-S-1	SO2	None	4.8 Lb/mmBTU	IN
AB-003	Mississippi APC-S-1	Particulate	None	0.6 Lb/mmBTU	IN

List applicable state and federal regulations and applicable test methods for determining compliance with each applicable requirement. Clearly identify federal regulations from state requirements. Provide the compliance status as of the day the application is signed.

Emission Point No.	Applicable Requirement	Pollutant	Test Method	Limits	Compliance Status IN / OUT
AC-003	MS Permit No: 0420-00023	PM10	EPA Method 201 or 201A and 202 40CFR51, App. M	0.46 Tons/year	IN
AC-003	MS Permit No: 0420-00023	SO2	EPA Method 6 40CFR60, App A	0.43 Tons/year	IN
AC-003	MS Permit No: 0420-00023	NOx	EPA Method 7 40CFR60, App A	6.57 Tons/year	IN
AC-003	MS Permit No: 0420-00023	CO	EPA Method 10 40CFR60, App A	1.41 Tons/year	IN
AC-003	MS Permit No: 0420-00023	VOC	EPA Method 25 40CFR60, App A	0.52 Tons/year	IN
AC-003	MS Permit No: 0420-00023	Opacity	EPA Method 9 40CFR60, App. A.	40 %	IN
AC-003	MS Permit No: 0420-00023	Operating Schedule Limits		Authorized to operate 8760 hours on a 365 day rolling basis	IN

List applicable state and federal regulations and applicable test methods for determining compliance with each applicable requirement. Clearly identify federal regulations from state requirements. Provide the compliance status as of the day the application is signed.

Emission Point No.	Applicable Requirement	Pollutant	Test Method	Limits	Compliance Status IN / OUT
AC-003	Mississippi APC-S-1	Smoke	None	40 % Opacity	IN
AC-003	Mississippi APC-S-1	Smoke	None	> 40% Opacity for ≤ 15 minutes/startup not to exceed 3 startups/24 hours	IN
AC-003	Mississippi APC-S-1	Opacity	None	40 % Opacity	IN
AC-003	Mississippi APC-S-1	SO2	None	4.8 Lb/mmBTU	IN
AC-003	Mississippi APC-S-1	Particulate	None	0.6 Lb/mmBTU	IN

List applicable state and federal regulations and applicable test methods for determining compliance with each applicable requirement. Clearly identify federal regulations from state requirements. Provide the compliance status as of the day the application is signed.

Emission Point No.	Applicable Requirement	Pollutant	Test Method	Limits	Compliance Status IN / OUT
AD-003	MS Permit No: 0420-00023	PM10	EPA Method 201 or 201A and 202 40CFR51, App. M	0.11 Tons/year	IN
AD-003	MS Permit No: 0420-00023	SO2	EPA Method 6 40CFR60, App A	0.11 Tons/year	IN
AD-003	MS Permit No: 0420-00023	NOx	EPA Method 7 40CFR60, App A	1.62 Tons/year	IN
AD-003	MS Permit No: 0420-00023	CO	EPA Method 10 40CFR60, App A	0.35 Tons/year	IN
AD-003	MS Permit No: 0420-00023	VOC	EPA Method 25 40CFR60, App A	0.13 Tons/year	IN
AD-003	MS Permit No: 0420-00023	Opacity	EPA Method 9 40CFR60, App. A.	40 %	IN
AD-003	MS Permit No: 0420-00023	Operating Schedule Limits		Authorized to operate 8760 hours on a 365 day rolling basis	IN

List applicable state and federal regulations and applicable test methods for determining compliance with each applicable requirement. Clearly identify federal regulations from state requirements. Provide the compliance status as of the day the application is signed.

Emission Point No.	Applicable Requirement	Pollutant	Test Method	Limits	Compliance Status IN / OUT
AD-003	Mississippi APC-S-1	Smoke	None	40 % Opacity	IN
AC-003	Mississippi APC-S-1	Smoke	None	> 40% Opacity for ≤ 15 minutes/startup not to exceed 3 startups/24 hours	IN
AD-003	Mississippi APC-S-1	Opacity	None	40 % Opacity	IN
AD-003	Mississippi APC-S-1	SO2	None	4.8 Lb/mmBTU	IN
AD-003	Mississippi APC-S-1	Particulate	None	0.6 Lb/mmBTU	IN

List applicable state and federal regulations and applicable test methods for determining compliance with each applicable requirement. Clearly identify federal regulations from state requirements. Provide the compliance status as of the day the application is signed.

Emission Point No.	Applicable Requirement	Pollutant	Test Method	Limits	Compliance Status IN / OUT
AE-003	MS Permit No: 0420-00023	PM10	EPA Method 201 or 201A and 202 40CFR51, App. M	0.07 Tons/year	IN
AE-003	MS Permit No: 0420-00023	SO2	EPA Method 6 40CFR60, App A	0.06 Tons/year	IN
AE-003	MS Permit No: 0420-00023	NOx	EPA Method 7 40CFR60, App A	0.94 Tons/year	IN
AE-003	MS Permit No: 0420-00023	CO	EPA Method 10 40CFR60, App A	0.20 Tons/year	IN
AE-003	MS Permit No: 0420-00023	VOC	EPA Method 25 40CFR60, App A	0.07 Tons/year	IN
AE-003	MS Permit No: 0420-00023	Opacity	EPA Method 9 40CFR60, App. A.	40 %	IN
AE-003	MS Permit No: 0420-00023	Operating Schedule Limits		Authorized to operate 500 hours on a 365 day rolling basis	IN

List applicable state and federal regulations and applicable test methods for determining compliance with each applicable requirement. Clearly identify federal regulations from state requirements. Provide the compliance status as of the day the application is signed.

Emission Point No.	Applicable Requirement	Pollutant	Test Method	Limits	Compliance Status IN / OUT
AE-003	Mississippi APC-S-1	Smoke	None	40 % Opacity	IN
AE-003	Mississippi APC-S-1	Smoke	None	> 40% Opacity for ≤ 15 minutes/startup not to exceed 3 startups/24 hours	IN
AE-003	Mississippi APC-S-1	Opacity	None	40 % Opacity	IN
AE-003	Mississippi APC-S-1	SO2	None	4.8 Lb/mmBTU	IN
AE-003	Mississippi APC-S-1	Particulate	None	0.6 Lb/mmBTU	IN

List applicable state and federal regulations and applicable test methods for determining compliance with each applicable requirement. Clearly identify federal regulations from state requirements. Provide the compliance status as of the day the application is signed.

Emission Point No.	Applicable Requirement	Pollutant	Test Method	Limits	Compliance Status IN / OUT
AA-004	MS Permit No: 0420-00023	PM10	EPA Method 201 or 201A and 202 40CFR51, App. M	0.20 Tons/year	IN
AA-004	MS Permit No: 0420-00023	SO2	EPA Method 6 40CFR60, App A	2.01 Tons/year	IN
AA-004	MS Permit No: 0420-00023	NOx	EPA Method 7 40CFR60, App A	6.36 Tons/year	IN
AA-004	MS Permit No: 0420-00023	CO	EPA Method 10 40CFR60, App A	1.69 Tons/year	IN
AA-004	MS Permit No: 0420-00023	VOC	EPA Method 25 40CFR60, App A	0.18 Tons/year	IN
AA-004	MS Permit No: 0420-00023	Opacity	EPA Method 9 40CFR60, App. A.	40 %	IN
AA-004	MS Permit No: 0420-00023	Operating Schedule Limits		Authorized to operate 50 hours on a 365 day rolling basis	IN

List applicable state and federal regulations and applicable test methods for determining compliance with each applicable requirement. Clearly identify federal regulations from state requirements. Provide the compliance status as of the day the application is signed.

Emission Point No.	Applicable Requirement	Pollutant	Test Method	Limits	Compliance Status IN / OUT
AA-004	Mississippi APC-S-1	Smoke	None	40 % Opacity	IN
AA-004	Mississippi APC-S-1	Smoke	None	> 40% Opacity for ≤ 15 minutes/startup not to exceed 3 startups/24 hours	IN
AA-004	Mississippi APC-S-1	Opacity	None	40 % Opacity	IN
AA-004	Mississippi APC-S-1	SO2	None	4.8 Lb/mmBTU	IN
AA-004	Mississippi APC-S-1	Particulate	None	0.19 Lb/mmBTU	IN

List applicable state and federal regulations and applicable test methods for determining compliance with each applicable requirement. Clearly identify federal regulations from state requirements. Provide the compliance status as of the day the application is signed.

Emission Point No.	Applicable Requirement	Pollutant	Test Method	Limits	Compliance Status IN / OUT
A-011	MS Permit No: 0420-00023	PM10	EPA Method 201 or 201A and 202 40CFR51, App. M	0.03 Tons/year	IN
AA-011	MS Permit No: 0420-00023	SO2	EPA Method 6 40CFR60, App A	0.03 Tons/year	IN
AA-011	MS Permit No: 0420-00023	NOx	EPA Method 7 40CFR60, App A	0.46 Tons/year	IN
AA-011	MS Permit No: 0420-00023	CO	EPA Method 10 40CFR60, App A	0.10 Tons/year	IN
AA-011	MS Permit No: 0420-00023	VOC	EPA Method 25 40CFR60, App A	0.04 Tons/year	IN
AA-011	MS Permit No: 0420-00023	Opacity	EPA Method 9 40CFR60, App. A.	40 %	IN
AA-011	MS Permit No: 0420-00023	Operating Schedule Limits		Authorized to operate 500 hours on a 365 day rolling basis	IN

List applicable state and federal regulations and applicable test methods for determining compliance with each applicable requirement. Clearly identify federal regulations from state requirements. Provide the compliance status as of the day the application is signed.

Emission Point No.	Applicable Requirement	Pollutant	Test Method	Limits	Compliance Status IN / OUT
AA-011	Mississippi APC-S-1	Smoke	None	40 % Opacity	IN
AA-011	Mississippi APC-S-1	Smoke	None	> 40% Opacity for ≤ 15 minutes/startup not to exceed 3 startups/24 hours	IN
AA-011	Mississippi APC-S-1	Opacity	None	40 % Opacity	IN
AA-011	Mississippi APC-S-1	SO2	None	4.8 Lb/mmBTU	IN
AA-011	Mississippi APC-S-1	Particulate	None	0.6 Lb/mmBTU	IN

COMPLIANCE CERTIFICATION SECTION O

1. Emission Point No./Name : N/A

2. Indicate the source compliance status:

A. ☐ Where this source is currently in compliance, we will continue to operate and maintain this source to assure compliance for the duration of the permit.

B. ☐ The Current Emissions Requirements and Status form (previous page) includes new requirements that apply or will apply to this source during the term of the permit. We will meet such requirements on a timely basis.

C. ☐ This source is not in compliance. The following statement of corrective action is submitted to describe action which we will take to achieve compliance.

1. ☐ Attached is a brief description of the problem and the proposed solution.

2. ☐ We will achieve compliance according to the following schedule.

Progress reports will be submitted:

Starting date: _____ and every six (6) months thereafter

Problem	Action	Deadline

EMISSION CALCULATIONS

ESTIMATED EMI. ONS BY SOURCE

(Based on Hours of Operation and AP-42 Emission Factors)

			PM			Nox			SO2			CO			VOCs (Non-Methane)		
EQUIPMENT DESCRIPTION	RUN TIME Hours	RATED CAP. mmBTU/hr	EM. FACT. lb/mm BTU	Lb/Hr	TPY	EM. FACT. lb/mm BTU	Lb/Hr	TPY	EM. FACT. lb/mm BTU	Lb/Hr	TPY	EM. FACT. lb/mm BTU	Lb/Hr	TPY	EM. FACT. lb/mm BTU	Lb/Hr	TPY
AA-001 Div I	250	67.26	0.1	6.726	0.84	3.2	215.232	26.90	1.01	67.933	8.49	0.85	57.171	7.15	0.09	6.053	0.76
AB-001 Div II	250	67.26	0.1	6.726	0.84	3.2	215.232	26.90	1.01	67.933	8.49	0.85	57.171	7.15	0.09	6.053	0.76
AC-001 Div III	250	34.26	0.1	3.426	0.43	3.2	109.632	13.70	1.01	34.603	4.33	0.85	29.121	3.64	0.09	3.083	0.39
AA-002 FWPH A	500	3.26	0.1	0.326	0.08	3.2	10.432	2.61	1.01	3.293	0.82	0.85	2.771	0.69	0.09	0.293	0.07
AB-002 FWPH B	500	3.26	0.1	0.326	0.08	3.2	10.432	2.61	1.01	3.293	0.82	0.85	2.771	0.69	0.09	0.293	0.07
AC-002 ESC	100	5.62	0.1	0.562	0.03	3.2	17.984	0.90	1.01	5.676	0.28	0.85	4.777	0.24	0.09	0.506	0.03
AA-003 OSC	500	1.85	0.31	0.574	0.14	4.41	8.159	2.04	0.29	0.537	0.13	0.95	1.758	0.44	0.35	0.648	0.16
AB-003 Div I Start Engine	8760	0.34	0.31	0.105	0.46	4.41	1.499	6.57	0.29	0.099	0.43	0.95	0.323	1.41	0.35	0.119	0.52
AC-003 Div II Start Engine	8760	0.34	0.31	0.105	0.46	4.41	1.499	6.57	0.29	0.099	0.43	0.95	0.323	1.41	0.35	0.119	0.52
AD-003 Div III Start Engine	8760	0.084	0.31	0.026	0.11	4.41	0.370	1.62	0.29	0.024	0.11	0.95	0.080	0.35	0.35	0.029	0.13
AE-003 Water Well Engine	500	0.85	0.31	0.264	0.07	4.41	3.749	0.94	0.29	0.247	0.06	0.95	0.808	0.20	0.35	0.298	0.07
AA-004 Large Outage Engines	50	79.48	0.1	7.948	0.20	3.2	254.336	6.36	1.01	80.275	2.01	0.85	67.558	1.69	0.09	7.153	0.18
AA-011 Telecom Diesel	500	0.42	0.31	0.130	0.03	4.41	1.852	0.46	0.29	0.122	0.03	0.95	0.399	0.10	0.35	0.147	0.04
AA-008 Unit 1 CWS Towers*	8760	34800	*	11.11077	48.67		NA			NA			NA			NA	
AA-009 SSW A Towers*	8760	780	1.7	1.790	7.84		NA			NA			NA			NA	
AA-010 SSW B Towers*	8760	840	1.7	1.928	8.44		NA			NA			NA			NA	
				42.07	68.73		850.41	98.18		284.13	26.44		225.03	25.17		24.80	3.69

* See attached calculations for cooling tower emissions

Plus Tanks** 9.25

**See Tank VOC calculations

Total VOC 12.94

AA-003 ACT. . EMISSIONS
(Based on Hours of Operation and AP-42 Emission Factors)

			PM			PM10			SO2			NOx			CO			VOCs (Non-Methane)		
EQUIPMENT DESCRIPTION	RUN TIME Hours	RATED CAP. mmBTU/hr	EM. FACT. lb/mm BTU	LB/HR	TONS	EM. FACT. lb/mm BTU	LB/HR	TONS	AP-42 EF lb/mm BTU	LB/HR	TONS	EM. FACT. lb/mm BTU	LB/HR	TONS	EM. FACT. lb/mm BTU	LB/HR	TONS	EM. FACT. lb/mm BTU	LB/HR	TONS
(2) Modified Source AA-003	36	1.85	0.29	0.537	0.010	0.31	0.574	0.010	0.29	0.537	0.010	4.41	8.159	0.147	0.95	1.758	0.032	0.35	0.648	0.012
TOTALS:	36				0.010			0.010			0.010			0.147			0.032			0.012

AA-003 rotuinely operates approximately 3 hours per month for operational testing purposes.

TOTAL EMISSIONS: TOTAL TONS: 0.220

PM Emissions[1]	0.010 Tons
PM10 Emissions	0.010 Tons
SO2 Emissions	0.010 Tons
NOx Emissions	0.147 Tons
CO Emissions	0.032 Tons
VOC Emissions	0.012 Tons
TOTAL	0.220 Tons

(1) These do not include cooling tower emissions. GGNS defaults to the 44.1 TPY potential emissions.

Rated Capacity for the new engine:
1 - 347 hp engine operating for 500 hours and buring fuel at a rate of 13.5 gph (prime rating):
13.5 gph*7.1*19300*0.000001= 1.85 mmBTU/hr

64.8 gallons per hour maximum fuel flow
7.1 No. 2 Fuel Oil Specific Gravity
19300 BTU per pound No. 2 Fuel Oil
1E-06 Conversion to mmBTU

AA-003 POTE[illegible]L EMISSIONS
(Based on Hours of Operation and AP-42 Emission Factors)

			PM			PM10			SO2			NOx			CO			VOCs (Non-Methane)		
EQUIPMENT DESCRIPTION	RUN TIME Hours	RATED CAP. mmBTU/hr	EM. FACT. lb/mm BTU	LB/HR	TONS	EM. FACT. lb/mm BTU	LB/HR	TONS	AP-42 EF lb/mm BTU	LB/HR	TONS	EM. FACT. lb/mm BTU	LB/HR	TONS	EM. FACT. lb/mm BTU	LB/HR	TONS	EM. FACT. lb/mm BTU	LB/HR	TONS
(2) Modified Source AA-003	500	1.85	0.29	0.537	0.134	0.31	0.574	0.143	0.29	0.537	0.134	4.41	8.159	2.040	0.95	1.758	0.439	0.35	0.648	0.162
TOTALS:	500				0.134			0.143			0.134			2.040			0.439			0.162

TOTAL EMISSIONS: TOTAL TONS: 3.053

PM Emissions[1]	0.134 Tons
PM10 Emissions	0.143 Tons
SO2 Emissions	0.134 Tons
NOx Emissions	2.040 Tons
CO Emissions	0.439 Tons
VOC Emissions	0.162 Tons
TOTAL	3.053 Tons

(1) These do not include cooling tower emissions. GGNS defaults to the 44.1 TPY potential emissions.

Rated Capacity for the new engine:
1 - 347 hp engine operating for 500 hours and buring fuel at a rate of 13.5 gph {prime rating}:
13.5 gph*7.1*19300*0.000001= 1.85 mmBTU/hr

64.8 gallons per hour maximum fuel flow
7.1 No. 2 Fuel Oil Specific Gravity
19300 BTU per pound No. 2 Fuel Oil
1E-06 Conversion to mmBTU

VOC Tank Emission Sources

PERMIT ID	DESCRIPTION	CONTENTS	HOURS OF OPERATION	TANK CAPACITY	VOC CALC METHOD	ESTIMATED EMISSIONS Lb/hr	tpy
AT-110	New Lube Oil Tank	Lube Oil	8760	30000	TANKS	0.442230594	1.94
AT-111	Used Lube Oil Tank	Lube Oil	8760	60000	TANKS	0.819960046	3.59
AT-112	Vehicle Maintenance Shop Tank	Gasoline	8760	1000	TANKS	0.077151826	0.34
AT-113	Vehicle Maintenance Shop Tank	Diesel	8760	2000	TANKS	0.000174658	0.00
AT-114	Day Tank for Backup Diesel Engine	Diesel	8760	550	TANKS	3.3105E-05	0.00
AT-115	Day Tank for Backup Diesel Engine	Diesel	8760	550	TANKS	3.3105E-05	0.00
AT-116	Day Tank for Backup Diesel Engine	Diesel	8760	550	TANKS	3.3105E-05	0.00
AT-117	Water Well Diesel Tank	Diesel	8760	110	TANKS	1.0274-05	0.00
AT-118	Fire Water Engine Tank	Diesel	8760	600	TANKS	3.53881E-05	0.00
AT-119	Fire Water Engine Tank	Diesel	8760	600	TANKS	3.53881E-05	0.00
AT-120	Vehicle Fuel Tank - Grounds Maintenance	Diesel	8760	1000	TANKS	6.16438E-05	0.00
AT-121	Fuel Oil Storage Day Tank	Diesel	8760	40	TANKS	7.99087E-06	0.00
AT-122	Used Oil Tank - Maintenance Shop	Used Oil	8760	2000	TANKS	0.02316895	0.10
AT-123	Lube Oil Reservoir for Main Turbine	Lube Oil	8760	18700	TANKS	0.73101484	3.20
AT-124	Vehicle Maintenance Tank	Lube Oil	8760	250	TANKS	0.003323059	0.01
AT-125	Vehicle Maintenance Tank	Hyd Oil	8760	250	TANKS	0.003323059	0.01
AT-126	Radial Well Lube Oil Tank 1	Lube Oil	8760	350	TANKS	0.005118721	0.02
AT-127	Radial Well Lube Oil Tank 2	Lube Oil	8760	350	TANKS	0.005118721	0.02
AT-128	Radial Well Lube Oil Tank 3	Lube Oil	8760	350	TANKS	0.005118721	0.02
					TOTAL VOC TANK EMISSIONS (tpy)		9.25

Cooling Tower Calculations

From AP-42 Chapter 13, Section 4, Wet Cooling Towers

Table 13.4-1

Induced Draft Cooling Tower Total Drift Factor		AP-42	1.7 lb/kgal
Natural Draft Cooling Tower Total Drift Factor		AP-42	0.073 lb/kgal
Induced Draft Cooling Tower Total Drift Factor(derived, see below)			0.4 lb/kgal
TDS	1350 ppm		

Emission Point	Recirc Rate (kgal/hr)	Total Drift Factor(lb/kgal)	Total Drift (lb/hr)	TDS ppm	PM10 Emissions (lb/hr)	TPY
AA-008(*Natural Draft Tower)	17400	0.073	1270.2	1350	1.71477	7.510693
AA-008(*Auxiliary Tower)	17400	0.4	6960	1350	9.396	41.15448
AA-008(**Natural Draft Tower Only)	34800	0.073	2540.4	1350	3.42954	15.02139
AA-008(***Worse Case Total Emissions Estimate)					11.11077	48.66517
AA-009	780	1.7	1326	1350	1.7901	7.840638
AA-010	840	1.7	1428	1350	1.9278	8.443764
Total PM Emissions from Cooling Towers						**64.94957**

Note: Emission Point AA-008 can be operated in one of two modes. *The first mode occurs when the flow is split between the Natural Draft Cooling Tower and the Auxiliary Tower. **The second mode occurs when the total flow is directed to the Natural Draft Cooling Tower. ***The worse case total emissions were calculated for 50% flow (17,400 kgal/hr) to the Auxiliary Tower and to the Natural Draft Tower.

Cooling Tower Calculations (cont)

0.84075	AA-001
0.84075	AB-001
0.42825	AC-001
0.0815	AA-002
0.0815	AB-002
0.0281	AC-002
0.011625	AA-003
0.461652	AB-003
0.461652	AC-003
0.114055	AD-003
0.065875	AE-003
0.1987	AA-004
0.03255	AA-011
3.646959	PM total from other sources

64.94957 PM Emissions from Cooling Towers
3.646959 PM Emissions from other sources
68.59653 TPY Facility Wide PM Emissions

Derivation of manufacturer's drift factor for auxiliary cooling tower

Manufacturer's Drift Rate 0.005 %

$$0.005\ \%\ \times\ 8.338\ \frac{\text{lb}}{\text{gal}}\ \times\ \frac{1000\ \text{gals}}{1\ \text{kgals}}\ \times\ \frac{1}{100\ \%}$$

= 0.4169 lb/kgal
= 0.4 lb/kgal