

JACKSONVILLE ELECTRIC AUTHORITY

21 WEST CHURCH STREET • JACKSONVILLE, FL 32202-3139



September 11, 1997

Mr. Bruce Mitchell
Environmental Administrator
Department of Environmental Protection
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, FL 32399-2400

RECEIVED

SEP 17 1997

BUREAU OF
AIR REGULATION

RE: Northside Generating Station Units 1, 2, and 3
Title V Permit Application - Supplemental Information

Dear Mr. Mitchell:

Attached please find the landfill gas Fuel Segments for the above referenced units. A gas analysis and predicted maximum gas flow rate from the Northside Municipal Landfill will be forwarded when completed in about six to eight weeks.

As a clarification, the magnesium based fuel additives referred to in the original application are typically in the form of magnesium oxide or hydroxide. Other constituents that may be present include sulfonates, sulfates, nitrates, and/or other non-HAP compounds.

Also enclosed are the Florida Publishing Company affidavits for the **Southside** and Kennedy Generating Stations' attesting to the August 14, 1997 publication in the Florida Times Union of the "Public Notice of Intent to Issue Title V Operating Permit".

If you have any questions with regard to this matter please contact Bert Gianazza of my staff at (904) 632-6247.

Sincerely,

Richard Breitmoser, P.E.
Vice President, Environmental
Health and Safety Group

RB/NBG

cc: Ron Roberson, RESD
Emerson Raulerson, FDEP, Northeast District

9/19/97 Bruce Mitchell

Table 1-1, Summary of Air Pollutant Standards and Terms

Jacksonville Electric Authority
Southside Generating Station

DRAFT Permit No.: 0310046-001-AV
Facility ID No.: 0310046

This table summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of the permit.

E. U. ID No.	Brief Description	Pollutant Name	Fuel(s)	Hours/Year	Allowable Emissions			Equivalent Emissions *		Regulatory Citation(s)	See Permit Condition(s)
					Standard(s)	lbs./hour	TPY	lbs./hour	TPY		
-004	Boiler #4 (796 MMBtu/hr) (825 MMBtu/hr) Acid Rain Phase II Unit (75.0 MW Turbine-generator)	VE	No. 6 F.O.	8760	20%; 27% - 1 six min. period/hr.			N/A	N/A	62-296.405(1)(a)	A.5. & A.6.
			Natural Gas	8760	20%; 27% - 1 six min. period/hr.			N/A	N/A	62-296.405(1)(a)	A.5. & A.6.
		PM	No. 6 F.O.	8760	0.1 lb/MMBtu	N/A	N/A	79.6	348.7	62-296.405(1)(b)	A.7.
			Natural Gas	8760	0.1 lb/MMBtu	N/A	N/A	82.5	361.4	62-296.405(1)(b)	A.7.
		PM - SB **	No. 6 F.O.	3 hr/day	0.3 lb/MMBtu	N/A	N/A	238.8	435.8	62-210.700(3)	A.8.
			Natural Gas	3 hr/day	0.3 lb/MMBtu	N/A	N/A	247.5	451.7	62-210.700(3)	A.8.
SO ₂	No. 6 F.O.	8760	1.10 lb/MMBtu	N/A	N/A	875.6	3,835.1	62-296.405(1)(c)1.b.	A.9.		
	Natural Gas	8760	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
% Sulfur	No. 6 F.O.	8760	max. sulfur content 1.0 %, by wt.			875.6	3,835.1	Applicant Request	A.10.		
-005	Boiler #5 (1500 MMBtu/hr) (1550 MMBtu/hr) Acid Rain Phase II Unit (156.6 MW Turbine-generator)	VE	No. 6 F.O.	8760	20%; 27% - 1 six min. period/hr.			N/A	N/A	62-296.405(1)(a)	A.5. & A.6.
			Natural Gas	8760	20%; 27% - 1 six min. period/hr.			N/A	N/A	62-296.405(1)(a)	A.5. & A.6.
		PM	No. 6 F.O.	8760	0.1 lb/MMBtu	N/A	N/A	150.0	657.0	62-296.405(1)(b)	A.7.
			Natural Gas	8760	0.1 lb/MMBtu	N/A	N/A	155.0	678.9	62-296.405(1)(b)	A.7.
		PM - SB **	No. 6 F.O.	3 hr/day	0.3 lb/MMBtu	N/A	N/A	450.0	821.3	62-210.700(3)	A.8.
			Natural Gas	3 hr/day	0.3 lb/MMBtu	N/A	N/A	465.0	848.6	62-210.700(3)	A.8.
SO ₂	No. 6 F.O.	8760	1.10 lb/MMBtu	N/A	N/A	1,650.0	7,227.0	62-296.405(1)(c)1.b.	A.9.		
	Natural Gas	8760	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
% Sulfur	No. 6 F.O.	8760	max. sulfur content 1.0%, by wt.			1,650.0	7,227.0	Applicant Request	A.10.		
-010	Auxiliary Boiler #1 (21.0 MMBtu/hr)	VE	No. 2 F.O.	8760	15%; 40% - 1 two min. period/hr.			N/A	N/A	AC16-86190	B.5. & B.6.
			Natural Gas	8760	15%; 40% - 1 two min. period/hr.			N/A	N/A	AC16-86190	B.5. & B.6.
		% Sulfur	No. 2 F.O.	8760	max. sulfur content 0.5%, by wt.			10.7	47.0	AC16-86190	B.8.
		SO ₂	Natural Gas	8760	N/A	N/A	N/A	N/A	N/A	N/A	

Notes:

* The "Equivalent Emissions" listed are for informational purposes.

** PM - SB refers to "soot blowing" and "load change".

[electronic file name: 03100461.xls]

A.2. Emissions Unit Operating Rate Limitation After Testing. See specific condition A.23.
[Rule 62-297.310(2), F.A.C.]

A.3. Methods of Operation - Fuels.

The only fuels allowed to be burned are No. 6 fuel oil, natural gas, a blend of No. 6 fuel oil and natural gas, and on-specification used oil. Used oil containing PCBs above the detectable level cannot be used for startup or shutdown.

[Rule 62-213.410, F.A.C.; AO16-180744 and AO16-214191; and, applicant request dated June 14, 1996.]

A.4. Hours of Operation. The emissions units may operate continuously, i.e., 8,760 hours/year.
[Rule 62-210.200(PTE), F.A.C.; and, AO16-180744 and AO16-214191]

Emission Limitations and Standards

{Permitting Note: The attached Table 1-1, Summary of Air Pollutant Standards and Terms, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

A.5. Visible Emissions. Visible emissions shall not exceed 20 percent opacity, except for one six-minute period per hour during which opacity shall not exceed 27 percent. Emissions units governed by this visible emissions limit shall compliance test for particulate matter emissions annually and as otherwise required by Chapter 62-297, F.A.C.

[Rules 62-296.405(1)(a) and 62-296.702(2)(b), F.A.C.; Rule 2, Part IX, JEPB; and, AO16-180744 and AO16-214191]

A.6. Visible Emissions - Soot Blowing and Load Change. Visible emissions shall not exceed 60 percent opacity during the 3-hours in any 24 hour period of excess emissions allowed for boiler cleaning (soot blowing) and load change.

A load change occurs when the operational capacity of a unit is in the 10 percent to 100 percent capacity range, other than startup or shutdown, which exceeds 10 percent of the unit's rated capacity and which occurs at a rate of 0.5 percent per minute or more.

[Rule 62-210.700(3), F.A.C; and, Rule 2, Part II, JEPB]

A.7. Particulate Matter. Particulate matter emissions shall not exceed 0.1 pound per million Btu heat input, as measured by applicable compliance methods.

[Rules 62-296.405(1)(b) and 62-296.702(2)(a), F.A.C.; and, Rule 2, Part IX, JEPB]

A.8. Particulate Matter - Soot Blowing and Load Change. Particulate matter emissions shall not exceed an average of 0.3 pound per million Btu heat input during the 3-hours in any 24-hour period of excess emissions allowed for boiler cleaning (soot blowing) and load change.

[Rule 62-210.700(3), F.A.C.; and, Rule 2, Part II, JEPB]

A.9. Sulfur Dioxide. When burning liquid fuel, sulfur dioxide emissions shall not exceed 1.10 pounds per million Btu heat input, as measured by applicable compliance methods. Any

FLORIDA PUBLISHING COMPANY
Publisher
 JACKSONVILLE, DUVAL COUNTY, FLORIDA

STATE OF FLORIDA }
 COUNTY OF DUVAL }

Before the undersigned authority personally appeared _____

Kimberly Crisp who on oath says that he is

Legal Classified Representative of The Florida Times-Union,

a daily newspaper published at Jacksonville in Duval County, Florida; that the attached copy of advertisement, being a Legal Notice

in the matter of Jacksonville Electric Authority

Dept. Environmental Protection, Notice of Intent

Title V DRAFT Permit No. 0310046-001-AV

in the _____ Court,

was published in THE FLORIDA TIMES-UNION in the issues of _____

August 14, 1997

Affiant further says that the said The Florida Times-Union is a newspaper published at Jacksonville, in said Duval County, Florida, and that the said newspaper has heretofore been continuously published in said Duval County, Florida, The Florida Times-Union each day, has been entered as second class mail matter at the postoffice in Jacksonville, in said Duval County, Florida, for a period of one year next preceding the first publication of the attached copy of advertisement; and affiant further says that he has neither paid nor promised any person, firm or corporation any discount, rebate, commission or refund for the purpose of securing this advertisement for publication in said newspaper.

Sworn to and subscribed before me this 5th day of

September A.D. 1997

Vera Janie Likens
 Notary Public,
 State of Florida at Large

My Commission Expires COMMISSION # CC 547806
EXPIRES JUN 01, 2000

DA 444

PUBLIC NOTICE OF INTENT TO ISSUE TITLE V AIR OPERATION PERMIT

STATE OF FLORIDA
 DEPARTMENT OF ENVIRONMENTAL PROTECTION

Title V DRAFT Permit No.: 0310046-001-AV
 Jacksonville Electric Authority Southside Generating Station
 Duval County

The Department of Environmental Protection (permitting authority) gives notice of its intent to issue a Title V air operation permit to Jacksonville Electric Authority for the Southside Generating Station located at 801 Colorado Avenue, Jacksonville, Duval County. The applicant's name and address are: Mr. Walter P. Brussels, Managing Director/Responsible Official, Jacksonville Electric Authority, 21 West Church Street, Jacksonville, Florida 32202.

The permitting authority will issue the Title V PROPOSED Permit, and subsequent Title V FINAL Permit, in accordance with the conditions of the Title V DRAFT Permit unless a response received in accordance with the following procedures results in a different decision or significant change of terms or conditions. The permitting authority will accept written comments concerning the proposed Title V DRAFT Permit issuance action for a period of 30 (thirty) days from the date of publication of this Notice. Written comments should be provided to the Department's Bureau of Air Regulation, 2600 Blair Stone Road, Mail Station # 5505, Tallahassee, Florida 32399-2400. Any written comments filed shall be made available for public inspection. If written comments received result in a significant change in this DRAFT Permit, the permitting authority shall issue a Revised DRAFT Permit and require, if applicable, another Public Notice.

The permitting authority will issue the permit unless a timely petition for an administrative hearing is filed pursuant to Sections 120.569 and 120.57, Florida Statutes (F.S.), or a party requests mediation as an alternative remedy under Section 120.573, F.S., before the deadline for filing a petition. Choosing mediation will not adversely affect the right to a hearing if mediation does not result in a settlement. The procedures for petitioning for a hearing are set forth below, followed by the procedures for requesting mediation.

A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative hearing in accordance with Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department of Environmental Protection, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000 (Telephone: 850/488-9730; Fax 850/487-4938). Petitions must be filed within 14 (fourteen) days of publication of the public notice or within 14 (fourteen) days of receipt of the notice of intent, whichever occurs first. A petitioner must mail a copy of the petition to the applicant at the address indicated above, at the time of filing. The failure of any person to file a petition (or a request for mediation, as discussed below) within the applicable time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-5.207 of the Florida Administrative Code.

A petition must contain the following information:

(a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Permit File Number, and the county in which the project is proposed;
 (b) A statement of how and when each petitioner received notice of the permitting authority's action or proposed action;

(c) A statement of how each petitioner's substantial interests are affected by the permitting authority's action or proposed action;

(d) A statement of the material facts disputed by the petitioner, if any;

(e) A statement of the facts that the petitioner contends warrant reversal or modification of the permitting authority's action or proposed action;

(f) A statement identifying the rules or statutes that the petitioner contends require reversal or modification of the permitting authority's action or proposed action; and

(g) A statement of the relief sought by the petitioner, stating precisely the action that the petitioner wants the permitting authority to take with respect to the action or proposed action addressed in this notice of intent.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the permitting authority's final action may be different from the position taken by it in this notice of intent. Persons whose substantial interests will be affected by any such final decision of the permitting authority on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

A person whose substantial interests are affected by the permitting authority's proposed permitting decision, may elect to pursue mediation by asking all parties to the proceeding to agree to such mediation and by filing with the Department of Environmental Protection a request for mediation and the written agreement of all such parties to mediate the dispute. The request and agreement must be filed in (received by) the Office of General Counsel of the Department of Environmental Protection, 3900 Commonwealth Boulevard, Mail Station # 35, Tallahassee, FL 32399-3000, by the same deadline as set forth above for the filing of a petition.

A request for mediation must contain the following information:

(a) The name, address, and telephone number of the person requesting mediation and that person's representative, if any;

(b) A statement of the preliminary agency action;

(c) A statement of the relief sought; and

(d) Either an explanation of how the requester's substantial interests will be affected by the action or proposed action addressed in this notice of intent or a statement clearly identifying the petition for hearing that the requester has already filed, and incorporating it by reference.

The agreement to mediate must include the following:

(a) The names, addresses, and telephone numbers of any persons who may attend the mediation;

(b) The name, address, and telephone number of the mediator selected by the parties, or a provision for selecting a mediator within a specified time;

(c) The agreed allocation of the costs and fees associated with the mediation;

(d) The agreement of the parties on the confidentiality of discussions and documents introduced during mediation;

(e) The date, time, and place of the first mediation session, or a deadline for holding the first session, if no mediator has yet been chosen;

(f) The name of each party's representative who shall have authority to settle or recommend settlement; and

(g) The signatures of all parties or their authorized representatives.

As provided in Section 120.573, F.S., the timely agreement of all parties to mediate will toll the time limitations imposed by Sections 120.569 and 120.57, F.S., for requesting and holding an administrative hearing. Unless otherwise agreed by the parties, the mediation must be concluded within 60 (sixty) days of the execution of the agreement. If mediation results in settlement of the administrative dispute, the Department of Environmental Protection must enter an order incorporating the agreement of the parties in accordance with the provisions of Section 403.0872(7), F.S. If mediation terminates without settlement of the dispute, the permitting authority shall notify all parties in writing that the administrative hearing processes under Sections 120.569 and 120.57, F.S., remain available for disposition of the dispute, and the notice will specify the deadlines that then will apply for challenging the agency action and electing remedies under those two statutes.

In addition to the above, pursuant to 42 United States Code (U.S.C.) Section 7661d(b)(2), any person may petition the Administrator of the EPA within 60 (sixty) days of the expiration of the Administrator's 45 (forty-five) day review period as established at 42 U.S.C. Section 7661d(b)(1), to object to issuance of any permit. Any petition shall be based only on objections to the permit that were raised with reasonable specificity during the 30 (thirty) day public comment period provided in this notice, unless the petitioner demonstrates to the Administrator of the EPA that it was impracticable to raise such objections within the comment period or unless the grounds for such objection arose after the comment period. Filing of a petition with the Administrator of the EPA does not stay the effective date of any permit properly issued pursuant to the provisions of Chapter 62-213, F.A.C. Petitions filed with the Administrator of EPA must meet the requirements of 42 U.S.C. Section 7661d(b)(2) and must be filed with the Administrator of the EPA at 410 M. Street, SW, Washington, D.C. 20460.

A complete project file is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at:

Permitting Authority:
 Department of Environmental Protection
 Bureau of Air Regulation
 111 South Magnolia Drive, Suite 4
 Tallahassee, Florida 32301
 Telephone: 850/488-1344
 Fax: 850/922-6979

Affected Local Program:
 City of Jacksonville Air & Water Quality Division
 Regulatory and Environmental Services Department
 421 West Church Street
 Jacksonville, Florida 32202-4111
 Telephone: 904/630-3484
 Fax: 904/630-3638

The complete project file includes the DRAFT Permit, the application, and the information submitted by the responsible official, exclusive of confidential records under Section 403.111, F.S. Interested persons may contact Scott M. Sheplak, P.E., at the above address, or call 850/488-1344, for additional information.