

Department of Environmental Protection

Jeb Bush
Governor

Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

David B. Struhs
Secretary

October 28, 2002

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. Steven F. Gilliland, Senior Vice President
Duke Energy North America
5400 Westheimer Court
Houston, TX 77056-5310

Re: Duke Energy Fort Pierce, LLC
Extension of Air Construction Permit No. PSD-FL-302
Initial Project No. 1110100-001-AC

Dear Mr. Gilliland:

On October 15, 2002, the Department received your request with sufficient fee for an extension of the authority to begin physical construction and the expiration date of Air Permit No. PSD-FL-302 for the proposed new simple cycle gas turbine peaking plant to be located in Fort Pierce, Florida. The Department approves your request subject to the following changes.

The authority to begin physical construction of the project is extended to May 1, 2004. The permit expiration date is hereby extended from **December 1, 2002** to **November 1, 2004** to provide the necessary time to conduct testing and submit a complete application for a Title V air operation permit. This permitting decision is issued pursuant to Chapter 403, Florida Statutes. A copy of this letter shall be filed with the referenced permit and shall become part of the permit.

A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative proceeding (hearing) under Sections 120.569 and 120.57 of the Florida Statutes (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 at 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida, 32399-3000. Petitions filed by the permit applicant or any of the parties listed below must be filed within fourteen (14) days of receipt of this notice of intent. Petitions filed by any persons other than those entitled to written notice under section 120.60(3), F.S., must be filed within fourteen (14) days of publication of the public notice or within fourteen (14) days of receipt of this notice of intent, whichever occurs first. Under Section 120.60(3), F.S., however, any person who asked the Department for notice of agency action may file a petition within fourteen (14) days of receipt of that notice, regardless of the date of publication. A petitioner shall 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 within the appropriate 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 28-106.205 of the Florida Administrative Code (F.A.C.)

A petition that disputes the material facts on which the Department's action is based must contain the following information: (a) The name and address of each agency affected and each agency's file or identification number, if known; (b) The name, address, and telephone number of the petitioner, the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the

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course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination; (c) A statement of how and when petitioner received notice of the agency action or proposed action; (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate; (e) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the agency's proposed action; (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action; and (g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the agency to take with respect to the agency's proposed action.

A petition that does not dispute the material facts upon which the Department's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by Rule 28-106.301, F.A.C.

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

Mediation is not available in this proceeding.

In addition to the above, a person subject to regulation has a right to apply for a variance from or waiver of the requirements of particular rules, on certain conditions, under Section 120.542, F.S. The relief provided by this state statute applies only to state rules, not statutes, and not to any federal regulatory requirements. Applying for a variance or waiver does not substitute or extend the time for filing a petition for an administrative hearing or exercising any other right that a person may have in relation to the action proposed in this notice of intent.

The application for a variance or waiver is made by filing a petition with the Office of General Counsel of the Department, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000. The petition must specify the following information: (a) The name, address, and telephone number of the petitioner; (b) The name, address, and telephone number of the attorney or qualified representative of the petitioner, if any; (c) Each rule or portion of a rule from which a variance or waiver is requested; (d) The citation to the statute underlying (implemented by) the rule identified in (c) above; (e) The type of action requested; (f) The specific facts that would justify a variance or waiver for the petitioner; (g) The reason why the variance or waiver would serve the purposes of the underlying statute (implemented by the rule); and (h) A statement whether the variance or waiver is permanent or temporary and, if temporary, a statement of the dates showing the duration of the variance or waiver requested.

The Department will grant a variance or waiver when the petition demonstrates both that the application of the rule would create a substantial hardship or violate principles of fairness, as each of those terms is defined in Section 120.542(2), F.S., and that the purpose of the underlying statute will be or has been achieved by other means by the petitioner.


Persons subject to regulation pursuant to any federally delegated or approved air program should be aware that Florida is specifically not authorized to issue variances or waivers from any requirements of any such federally delegated or approved program. The requirements of the program remain fully enforceable by the Administrator of the EPA and by any person under the Clean Air Act unless and until the Administrator separately approves any variance or waiver in accordance with the procedures of the federal program.

This permitting decision is final and effective on the date filed with the clerk of the Department unless a petition is filed in accordance with the above paragraphs or unless a request for extension of time in which to file a petition is filed within the time specified for filing a petition pursuant to Rule 62-110.106, F.A.C., and the petition conforms to the content requirements of Rules 28-106.201 and 28-106.301, F.A.C. Upon timely filing of a petition or a request for extension of time, this action will not be effective until further order of the

Department.

Any party to this permitting decision (order) has the right to seek judicial review of it under Section 120.68, F.S., by filing a notice of appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the clerk of the Department of Environmental Protection in the Office of General Counsel, Mail Station #35, 3900 Commonwealth Boulevard, Tallahassee, Florida, 32399-3000, and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The notice must be filed within thirty (30) days after this order is filed with the clerk of the Department.

Executed in Tallahassee, Florida.


Howard L. Rhodes, Director
Division of Air Resources Management

CERTIFICATE OF SERVICE

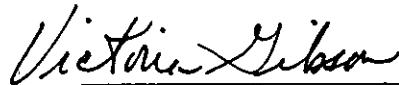
The undersigned duly designated deputy agency clerk hereby certifies that this order was sent by certified mail (*) and copies were mailed by U.S. Mail before the close of business on 10/28/02 to the persons listed:

Mr. Steven F. Gilliland, Duke Energy*
Mr. Nathan K. Plagens, Duke Energy
Mr. George Howroyd, CH2MHILL
Mr. Isidore Goldman, SED

Mr. Gregg Worley, EPA Region 4
Mr. John Bunyak, NPS
Chair, St. Lucie Board of County Commissioners

Clerk Stamp

FILING AND ACKNOWLEDGMENT FILED, on this date, pursuant to §120.52, Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

 October 28, 2002
(Clerk) (Date)

Florida Department of
Environmental Protection

Memorandum

TO: ~~Howard Rhodes~~
THRU: Al Linero *ael 10/28*
FROM: Jeff Koerner *JK*
DATE: October 24, 2002
SUBJECT: Duke Energy Fort Pierce, LLC
Extension of Air Construction Permit
Air Permit No. PSD-FL-302
Initial Project No. 1110100-001-AC

Attached for your approval and signature is a permit modification that extends the authority to begin physical construction and the permit expiration date for the above referenced project. Day 74 is December 27, 2002. I recommend your approval and signature.

Attachments

AAL/jfk

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Steven F. Gilliland
 Senior Vice President
 Duke Energy North America
 5400 Westheimer Court
 Houston, TX 77056-5310

2. An 7001 0320 0001 3692 7751

COMPLETE THIS SECTION ON DELIVERY

A. Received by (Please Print Clearly) J. Martinez B. Date of Delivery 10/3/02

C. Signature [Signature] Agent
 Addressee

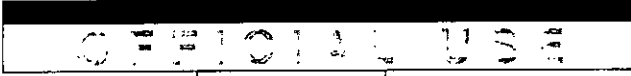
D. Is delivery address different from item 1? Yes
 If YES, enter delivery address below: No

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 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.

4. Restricted Delivery? (Extra Fee) Yes

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Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$

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Sent To Steven F. Gilliland
 Street, Apt. No. or P.O. Box 5400 Westheimer Court
 City, State, ZIP+4 Houston, TX 77056-5310

**TECHNICAL EVALUATION
&
PRELIMINARY DETERMINATION**

PROJECT

Extension of Air Permit No. PSD-FL-302
Initial Project No. 1110100-001-AC
Duke Energy Fort Pierce, LLC
ARMS Facility ID No. 1110100
640 MW Electrical Generation Peaking Plant

COUNTY

St. Lucie County

APPLICANT

Duke Energy North America
5400 Westheimer Court
Houston, TX 77056-5310

**PERMITTING
AUTHORITY**

Florida Department of Environmental Protection
Division of Air Resources Management
Bureau of Air Regulation
New Source Review Section



October 24, 2002

{Filename: Duke Fort Pierce Extension TEPD.doc}

1. GENERAL PROJECT INFORMATION

Applicant Name and Address

Duke Energy North America
5400 Westheimer Court
Houston, TX 77056-5310

Authorized Representative: Mr. Steven F. Gilliland, Senior Vice President

Processing Schedule

10/14/02 Received application for an extension of the time to construct.
10/15/02 Received sufficient processing fee.

Facility Description and Location

Duke Energy Fort Pierce, LLC is a permitted, proposed new 640 MW electrical generating plant to be located approximately one mile east of the Florida Turnpike and one-half mile north of Midway Road in St. Lucie County, Florida. This site is in an area that is in attainment (or designated as unclassifiable) for all air pollutants subject to a National Ambient Air Quality Standard (NAAQS).

Standard Industrial Classification Code (SIC)

SIC No. 4911 – Electrical Services

Regulatory Categories

Title III: The new facility will be a potential major source of hazardous air pollutants (HAP).

Title IV: The new facility will operate units subject to the acid rain provisions of the Clean Air Act.

Title V: The new facility will be a Title V major source of air pollution.

PSD: The new facility will be a PSD-major source of air pollution.

NSPS: The new facility will operate units subject to a New Source Performance Standard (40 CFR 60).

Project Description

On June 15, 2001, the Department issued a PSD permit to Duke Energy Fort Pierce, LLC (DEFP) to construct new 640 MW electrical generating plant to be located in St. Lucie County, Florida. The plant will consist of eight simple cycle gas turbine-electrical generator sets, each with a nominal generating capacity of 80 MW. The permit authorized construction of the plant with an expiration date of December 1, 2002. Due to the significant economic downturn and poor financial markets, DEFP has been forced to delay construction of this project. However, DEFP does intend to begin construction as early as January 2003 and requests that the authority to construct be extended to May 1, 2004.

2. PROJECT REVIEW

In support of this request, DEFP provided information regarding the adequacy of the initial BACT determination based on recent determinations for similar projects involving the General Electric 7EA gas turbine. This information is based on EPA Region 4's "National Combustion Turbine Spreadsheet", attached, which is a compilation of determinations for gas turbine projects across the United States. The following summarizes the Department's review of the adequacy of the initial BACT determinations for the DEFP project compared to similar simple cycle General Electric 7EA gas turbine projects permitted in 2000 or after for peaking operation (< 4000 hours/year).

NOx Emissions

Based on recent similar projects, NOx BACT standards for gas firing range from 9 ppmvd (24-hour average) up to 15 ppmvd (annual average). The "9 ppmvd" limits are typically for initial startup or are

TECHNICAL EVALUATION AND PRELIMINARY DETERMINATION

based on a 30-day or annual average. The current project limits for gas-firing limits are 9 ppmvd (initial performance test) and 10.5 ppmvd (3-hour CEMS average). Based on recent similar projects, the NO_x BACT standard for oil firing is 42 ppmvd (1-hour to 24-hour average) with oil firing restricted to less than 1000 hours per year. The current project limit for oil-firing limit is 42 ppmvd (3-hour CEMS average) with oil firing limited to no more than an average of 500 hours per year for all eight units. The Department concludes that the existing BACT limits are within the current range of recent BACT determinations for similar 7EA simple cycle gas turbine peaking projects.

CO Emissions

Based on recent similar projects, CO BACT standards for gas and oil firing range from 20-25 ppmvd O₂. It is assumed that the averaging period is based on three test runs. The current project limits for gas firing are 25 ppmvd for the first year and 20 ppmvd O₂ thereafter. The current project limit for oil firing is 20 ppmvd. Compliance is based on initial and annual performance tests. The Department concludes that the existing BACT limits are within the current range of recent similar BACT determinations for 7EA simple cycle gas turbine peaking projects.

PM and VOC Emissions

For these pollutants, nearly all recent BACT determinations are based on good combustion design with the firing of clean fuels. The current project limits visible emissions to $\leq 10\%$ opacity as a work practice standard for particulate matter. It also establishes VOC standards of 2/3.5 ppmvd for gas/oil firing based on initial performance tests. Natural gas (primary fuel) and distillate oil (alternate restricted fuel) are readily combusted and contain negligible amounts of ash. The Department concludes that the existing BACT limits are within the current range of recent BACT determinations for similar 7EA simple cycle gas turbine peaking projects.

SAM and SO₂ Emissions

For these pollutants, nearly all recent BACT determinations are based on the firing of very low sulfur fuels. The current project limits the fuel sulfur contents to 2 grains of sulfur per 100 SCF of natural gas and to 0.05% sulfur by weight for distillate oil. The Department concludes that the existing BACT limits are within the current range of recent BACT determinations for similar 7EA simple cycle gas turbine peaking projects.

3. PRELIMINARY DETERMINATION

The Department makes a preliminary determination that the proposed project will comply with all applicable state and federal air pollution regulations as conditioned by the draft permit. The authority to begin physical construction shall be extended to May 1, 2004 as requested. The permit expiration date shall be extended to November 1, 2004 to provide sufficient time to file a complete application for a Title V air operation permit.

This determination is based on a technical review of the complete application, reasonable assurances provided by the applicant, and the conditions specified in the current PSD air construction permit. Jeff Koerner is the project engineer responsible for reviewing the application and drafting the permit. Additional details of this analysis may be obtained by contacting the project engineer at the Department's Bureau of Air Regulation at Mail Station #5505, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400.

Source: www.epa.gov/region4/air/permits/index.htm

10/10/02

State	Facility	# of New MW	Application Date	Final Permit Issued	Permitting Status	# of CTs	# of DB	Turbine Model	Fuel	Mode	Hours	NOx Limit	Control Method	Avg. Time	CO Limit	Control Method	Avg. Time	Comments
NJ	PSEG Fossil LLC - Linden	170	12/15/00	2/10/00	Delegated	2	0	GE 7EA	NG; FO	SC	8,760	12 ppm NG; 42 ppm FO	DLN	1 hour	n/a	n/a	n/a	Not subject to NSR/PSD. Unit started operation in April, 2000
NJ	PSEG Fossil LLC - Burlington	340	pending	applic. under review	Delegated	4	0	GE 7EA	NG; FO	SC	8,760	9 ppm NG, 42 ppm FO	DLN	1 hour		CatOx	1 hour	Application under review.
AL	Alabama Power - Olin Cogeneration	137	7/31/97	Dec-97	SIP Approved	1	1	GE 7EA (80 MW)	NG	CC	8,760	15 ppm	DLN		0.07 lb/MMBtu	GCP		Power Augmentation
AL	Alabama Power - GE Plastics Cogeneration	100	10/1/97	May-98	SIP Approved	1	1	GE 7EA (80 MW)	NG	CC	8,760	9 ppm; 0.20 lb/MMBtu (DB)	DLN		0.08 lb/MMBtu (combined)	GCP		
AL	Duke Energy - Alexander City	1,260	7/13/00	2-01	SIP Approved	10	2	GE 7FA & 7EA	NG	CC & SC	8,760 CC; 2,500 SC	3.5 ppm (0.013 lb/mmBtu) CC; 9/12 ppm (0.033 lb/mmBtu) SC	SCR - CC, DLN-SC	an/1-hr	0.059 lb/mmBtu (130 lb/hr) CC; 0.09 lb/mmBtu (80 lb/hr) SC	GCP		8 SC units and 2 CC units
AL	Kinder Morgan Alabama LLC	7				7	7	LM 6000 & GE 7EA		CC	5750; 8760							
FL	Hardee Power Partners (TECO)	75	6/29/99	10-99	SIP Approved (1)	1	0	GE 7EA (75 MW)	NG; FO	SC	8,760; 876 FO	9 ppm NG; 42 ppm FO	DLN; WI		25 ppm NG; 20 ppm FO	GCP		
FL	Florida Power Corp., Intercession City	261	6/1/99	12-99	SIP Approved (1)	3	0	GE 7EA (87 MW)	NG; FO	SC	3,390; 1,000 FO	9 ppm NG; 42 ppm FO	DLN; WI		25 ppm NG; 20 ppm FO	GCP		
FL	Gainesville Regional Utilities, Kelly Generating Station	133	9/8/99	2-00	SIP Approved (1)	1	0	GE 7EA (83 MW)	NG; FO	CC	8,760; 1,000 FO	9 ppm NG; 42 ppm FO	DLN; WI		20 ppm NG; 20 ppm FO	GCP		Netting out of PSD review for NOx
FL	Duke Energy - Ft Pierce	640	10/11/00	6/18/01	SIP Approved (1)	8	0	GE 7EA (80 MW)	NG; FO	SC	2,500; 1,000 FO	10.5 ppm NG; 42 ppm FO	DLN, WI	3-hr rolling	25 ppm NG; 20 ppm FO	GCP	3-hr test	SCR - \$50,602/ton NOx; CatOx - \$21,832/ton CO&VOC
FL	Duke Energy Lake	640	12/5/00	7/18/01	SIP Approved (1)	8	0	GE 7EA (80 MW)	NG	SC	2,500	12 ppm (9 ppm initial test)	DLN, WI	3-hr rolling	20 ppm (25 ppm first year)	GCP	3-hr test	SCR - \$15,000/ton NOx; CatOx - \$5,563/ton CO
GA	Georgia Power, Jackson County	1,216	2/11/99	8-99	SIP Approved	16	0	GE 7EA (76 MW)	NG, FO	SC	4,000; 1,000 FO	12 ppm NG (15 ppm 30-day avg. for peak firing); 42 ppm FO	DLN; WI		0.101 lb/MMBtu NG; 0.046 lb/MMBtu FO	GCP		
GA	Duke Energy Sandersville, LLC	640	10/25/00	11/9/01	SIP Approved	8	0	GE 7EA (80 MW)	NG; FO	SC	2,500; 500 FO	10 ppm NG; 42 ppm FO	DLN; WI		25 ppm NG; 20 ppm FO	GCP		Hot SCR - \$36,520/ton NOx; CatOx - \$8,330/ton CO
GA	Kinder Morgan Georgia, LLC - Tift Power	560	7/30/01	applic. under review	SIP Approved	7	7	1 - GE 7EA & 6 - LM6000	NG	CC	8,760; 3,760 (part load)	9 ppm & 22 ppm	DLN & WI	annual	158.5 lb/hr & 141.0 lb/hr	GCP		
GA	Duke Energy Baker, LLC	640	8/17/01	applic. under review	SIP Approved	8	0	GE 7EA (80 MW)	NG; FO	SC	2,500; 500 FO	12 ppm NG (9 ppm annual); 42 ppm FO	DLN; WI		24.7 ppm NG; 18.4 ppm FO	GCP		Hot SCR - \$36,497/ton NOx; CatOx - \$9,210/ton CO
KY	Duke Energy - Marshall Co.	640	2/8/00	draft permit	SIP Approved	8	0	GE 7EA (80 MW)	NG; FO	SC	2,500; 500 FO	12/9 ppm NG; 42 ppm FO	DLN, WI	1-hr/an	20 ppm NG; 25 ppm FO	GCP		
KY	Duke Energy Metcalfe	640	9/1/00	draft permit	SIP Approved	8	0	GE 7EA (80 MW)	NG	SC	2,500	12/9 ppm	DLN	1-hr/an	25 ppm	GCP	1-hr	
KY	East Kentucky Power Cooperative, Inc	240	3/1/00	7/27/01	SIP Approved	3	0	GE 7EA (80 MW)	NG; FO	SC	8760; 8,760 FO	9 ppm NG; 42 ppm FO	DLN, WI		25 ppm NG; 20 ppm FO	GCP		CatOx - \$8,000/ton CO
MS	Duke Energy Southaven	640	12/17/99	8-00	SIP Approved	8	0	GE 7EA (80 MW)	NG; FO	SC	2,500; 500 FO	12 ppm NG (15 ppm 3-hr avg.); 42 ppm FO	DLN; WI		20 ppm NG; 25 ppm FO	GCP		
MS	Warren Power LLC (revision)	320	3/23/01	draft permit	SIP Approved	4	0	GE 7EA (80 MW)	NG	SC	2,000	12 ppm (9 ppm annual)	DLN	24-hr	25 ppm	GCP	24-hr	revised to include startup/shutdown emissions in PTE and modeling analysis
MS	Duke Energy Enterprise	160	5/30/00	draft permit	SIP Approved	2	0	GE 7EA (80 MW)	NG; FO	SC	3,000; 500 FO	12 ppm NG; 42 ppm FO	DLN, WI		20 ppm NG; 25 ppm FO	GCP		
MS	MEP Clarksdale Power	320	10/16/00	draft permit	SIP Approved	4	0	GE 7EA (80 MW)	NG	SC	8,760	9 ppm	DLN		25 ppm	GCP		Hot SCR - \$26,567/ton NOx; CatOx - \$5,593/ton CO
MS	TVA - Kemper CT Plant	440	1/25/01	draft permit	SIP Approved	4	0	GE 7EA (110 MW)	NG; FO	SC	see comment	15 ppm NG; 42 ppm FO	DLN, WI		25 ppm NG; 20 ppm FO	GCP		10% NG base mode, 10% NG peaking, 10% FO base, Hot SCR - \$13,668/ton NOx; CatOx - \$8,036/ton CO
MS	South Mississippi Electric Power Association	250	11/16/01	applic. under review	SIP Approved	3	0	GE 7EA (83.5 MW)	NG	SC	8,760	9 ppm	DLN	24-hr	25 ppm	GCP		
NC	Duke Energy - Buck Steam Station	640	11/16/00	11/20/01	SIP Approved	8	0	GE 7EA (80 MW)	NG; FO	SC	3,000; 1000 FO	9 ppm NG at startup, 10.5 ppm long-term; 42 ppm FO	DLN, WI	24-hr	20 ppm NG; 25 ppm FO	GCP	3-hr	CatOx - \$11,976/ton CO
SC	Duke Power - Mill Creek (f/k/a/ RIPP)	654	2/28/01	11/8/01	SIP Approved	8	0	GE 7EA (80 MW)	NG; FO	SC	2,400; 1,000 FO	10.5 (9 initially) ppm NG; 42 ppm FO	DLN, WI	24-hr	25 ppm NG; 20 ppm FO	GCP	24-hr	

State	Facility	# of New MW	Application Date	Final Permit Issued	Permitting Status	# of CTs	# of DB	Turbine Model	Fuel	Mode	Hours	NOx Limit	Control Method	Avg. Time	CO Limit	Control Method	Avg. Time	Comments
TN	TVA, Johnsonville Fossil Plant	340	12/8/98	7-99	SIP Approved	4	0	GE 7EA (85 MW)	NG; FO	SC	see comment	15 ppm NG; 42 ppm FO	DLN, WI		25 ppm NG; 20 ppm FO	GCP		10% NG base mode, 10% NG peaking, 10% FO base
TN	TVA, Gallatin Fossil Plant	340	12/2/98	7-99	SIP Approved	4	0	GE 7EA (85 MW)	NG; FO	SC	see comment	15 ppm NG; 42 ppm FO	DLN; WI		25 ppm NG; 20 ppm FO	GCP		10% NG base mode, 10% NG peaking, 10% FO base
TN	TVA, Lagoon Creek Plant	1,760	11/30/99	4-00	SIP Approved	16	0	GE 7EA (110 MW)	NG; FO	SC	see comment	12 ppm/127 TPY NG; 42 ppm FO	DLN; WI	30/15day	25 ppm NG; 20 ppm FO	GCP		10% NG base mode, 10% NG peaking, 10% FO base, 127 tpy of NOx is based on a 9 ppm
IN	Vermillion Generating Station	640	12/18/98	6/1/00	Delegated	8	0	GE 7EA (80 MW)	NG; FO	SC	2,500	12/15 ppm NG, 42 ppm FO	DLN and WI	annual	25 ppm NG; 20 ppm FO	GEP	1-hr > 50% load	BACT; Usage limit of 20,336 MMCF NG-12 consec. months. Also 2 Emergency Generators; 1 Emergency Diesel Fire Pump; 4 Diesel Storage Tanks; SCR @ \$19,309/ton (avg.); Ox Cat @ 90% Control, rejected at \$8,977/ton
IN	Indianapolis Power and Light	191		8/17/99	Delegated	1		GE 7121EA (95.7 MW)	NG; FO	SC	peaking	25 ppm NG; 42 ppm FO	WI					Synth Minor
IN	Indianapolis Power and Light	265		9/17/99	Delegated	3		GE (88.4 MW each)	NG	SC	peaking	25 ppm NG, 42 ppm FO	DLN	an/hr	25 ppm NG; 20 ppm FO	GCP		Synth Minor
IN	DeSoto Generating Station	?		applic under review	Delegated	8		GE 7EA (80 MW each)	NG	SC	2,500	15 ppm NG (12 ppm); 42 ppm FO	DLN	1 hr (ann); 1 hr	25 ppm NG; 20 ppm FO	GCP		BACT
MI	KM Power Co	550	application received 3/00	6/26/00	Delegated	7	7	1GE 7EA and 6 GE LM 6000	NG	CC	7380 and 4780	9 ppm and 22 ppm	DLN	30 day	79 lb/hr and 132 lb/hr	GCP	1 hr	BACT
MI	Detroit Edison Co	250	application received 7/00	application under review	Delegated	3		GE PG7121(EA)										
MN	Lakefield Junction	552		draft permit	Delegated	6		GE model PG7121EA (92 MW)	NG; FO	SC	7,300	9 base, 25 peak, 42 FO	DLN, WI	3-hr	25 ppm NG; 20 ppm FO	GCP	3-hr	PSD, SCR rejected @ \$11,500/ton; Ox Cat rejected at \$3000/ton
OH	Duke Energy Madison LLC	640	12/21/98	7/1/99	Delegated	8		GE 7EA (80 MW)	NG; FO	SC	2,500 NG; 500 FO	15 ppm (12 ppm) NG, 42 ppm FO	DLN	1 hr (ann.)	25 NG 20 FO	GCP	hr/ann	BACT; SCR rejected at \$19,000/ton; Ox Cat rejected at \$9000/ton
OH	Duke Energy Madison II, LLC	640	?		Delegated	8		GE 7EA (80 MW)	NG; FO	SC	2,000 NG, 500 FO							PSD
WI	Wisconsin Public Service	360		7/1/99	SIP Approved	1		GE 7EA (102 MW)	NG; FO	SC	4,000 Total, 2,000 FO	9 ppm NG; 42 ppm FO	DLN	hr, nat gas, FO	25 ppm NG (100% load)/ 45 ppm (>75% load)/ 100 ppm (>60% load); 20 ppm FO	GEP	1-hr	BACT, SCR rejected at \$13,866/ton; Ox Cat rejected at \$6053/ton incremental cost
WI	Wisconsin Electric	85		draft permit	SIP Approved	1		GE 7EA (85 MW)	NG; FO	SC	178,000 MWhrs, 2,000 hrs, 100 hr power aug	9 ppm NG (20 ppm w/power aug); 42 ppm FO	DLN	24-hr, 1 hr FO	25 ppm NG (100% load)/ 45 ppm (>75% load)/ 100 ppm (>60% load); 20 ppm FO	GEP	1-hr	BACT, SCR rejected at \$10,257/ton; Ox Cat rejected at \$5984/ton incremental cost
TX	SEI - Texas, LLC	650	2/11/99	3/21/00	SIP Approved	4		2 GE 7FA (170 MW) / 2 GE 7EA (82 MW)		SC		9/9 ppm	DLN		9/25 ppm			
TX	City of Garland	85	3/9/99	2/23/00	SIP Approved	1		GE 7EA (85 MW)		SC		9 ppm	DLN		25 ppm			
KS	Western Resources	380	11/20/98	6/11/99	SIP Approved	3	0	2 - GE-7EA (100 MW each); 1 GE-7FA (180 MW)	NG; FO	SC		15 ppm NG, 42 ppm FO	DLN; WI	802				NOx limits are for > 70% load. NSPS limits will apply at < 70 % Load
KS	Great Plains Power, Paola	320	6/6/01	Presently Under	SIP Approved	4	0	4 - GE-7EA (80 each)	NG; FO	SC	4,000 NG; 500 FO	9 ppm NG; 42 ppm FO	DLN	402	30-day rolling	25 ppm	CC	
KS	Great Plains Power, Gardner	640	6/6/01	Presently Under	SIP Approved	8	0	8 - GE-7EA (80 each)	NG; FO	SC	4,000 NG; 500 FO	9 ppm NG; 42 ppm FO	DLN	804	30-day rolling	25 ppm	CC	
MO	Kansas City Power & Light Hawthorn Units 7 & 8	150	2/29/99	8/18/99	SIP Approved	2	0	GE 7EA (75 MW, each)	NG	SC		9 ppm	DLN	337		25 ppm	GCP	
MO	Duke Energy - Audrain	640	4/11/00	5/9/00	SIP Approved	8	0	GE 7EA (80 MW, each)	NG; FO	SC	2,500; 500 FO	NOx: (NG) 12 ppm, 1-hr, NOx (NG) 9 ppm, annual, NOx (Oil) 42 ppm	DLN; WI	646		20 ppm NG, 25 ppm FO	GCP	

State	Facility	# of New MW	Application Date	Final Permit Issued	Permitting Status	# of CTs	# of DB	Turbine Model	Fuel	Mode	Hours	NOx Limit	Control Method	Avg. Time	CO Limit	Control Method	Avg. Time	Comments	
MO	Duke Energy - Bollinger	640	8/17/00	9/22/00	SIP Approved	8	0	GE 7EA (80 MW, each)	NG	SC	2,500	NOx: (NG) 12 ppm, 1-hr, NOx: (NG) 9 ppm, annual	DLN	430			20 ppm	GCP	PM-10: 0.016#/mmBtu, Formaldehyde: <10 TPY. Each turbine limited to 2,500 hours on NG-only (annual rolling), with entire plant limited to 4,000 hours per year
MO	Kinder Morgan, LLC	530	Permit Tentatively Denied	Permit Tentatively Denied	SIP Approved	7	7	8 GE-LM6000 (50MW, each); 1 GE-7EA (110 MW), plus 120 MW supplemental	NG	CC	8,760			705					
CO	Platte River Power Authority/Rawhide (82 MW)	82	3/00	12/00	SIP Approved	1	none	GE Frame 7EA	NG	SC	8,760	9 ppm	DLN						plan startup 5/2002; CO PTE below significance level so didn't do BACT; characterized as peaking plant, but not restricted in operating hours
CO	TriState Generation & Transmission/Limon Station (164 MW)	164	7/00	1/01	SIP Approved	2	none	GEF7EA, or equiv	NG, FO (1000 hr, each turbine, limit on FO)	SC	8,760	9 ppm (42 ppm on FO)	DLN (plus WI on FO)	1-hr	25 ppm	GCP			
WA, PSD 91-04	Tenaska Ferndale	248		5/29/92	Joint Issuance EPA & Ecology	2	2	GE Frame 7EA	NG,FO	CC	8,760	7.0 / 12 ppmvdv gas / oil @15% O2	DLN, SCR	24-hr	20.0 ppmvdv	GCP	1-hr	Operating, www.tenaska.com, 1/19/00 permit revision, permit revision needed to allow installation of fogger to increase output 20 MW	
WA, PSD-X80-02	Whitehorn (Puget Sound Energy)	187		12/19/79	EPA	4	0	2 Pratt & Whitney, 2 GE Frame 7E	NG,FO	CC	8,760	NSPS GG	WI						Operating