



FPL

January 29, 2007

Trina Vielhauer, Chief
Bureau of Air Regulation
FDEP Division of Air Resources
2600 Blair Stone Road, MS #5505
Tallahassee, Florida 32399-2400

RECEIVED

JAN 29 2007

BUREAU OF AIR REGULATION

**RE: FPL Sanford Power Plant - Title V Air Operating Permit 1270009-011-AV
Combustion Turbine 5D
Excess Emissions Request for Rotor/Blade Change-out**

Dear Ms. Vielhauer:

Florida Power & Light is requesting an extended excess emissions period for the Sanford Plant Unit 5D combustion turbine following the rotor/blade change out currently underway. The turbine manufacturer has identified that a Full Speed No Load (FSNL) operation is necessary following the rotor/blade change out. The extended start-up period is scheduled to occur during the period of February 12, 2007 through February 25, 2007. The Department granted a similar request following the replacement of the Unit 5B rotor/blade change out in December 2006. (Authorization letter attached.)

If you have any questions or require additional information, please contact me at (386) 575-5211 or Randy Hopkins at (386) 575-5385.

Sincerely,


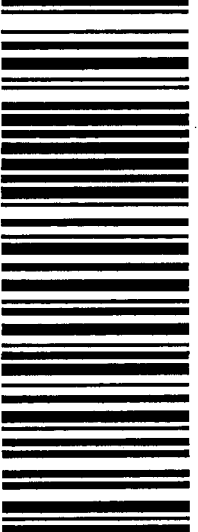
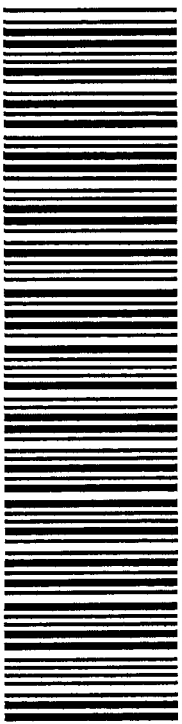
Roxane R. Kennedy
Plant General Manager
FPL Sanford Plant

Attachment

Cc: Mr. Lenonard T. Kozlov, manager
FDEP Central Florida District
3313 Maguire Blvd., Suite 232
Orlando, Florida 32803-3767

Ms. Mary Archer – FPL/JES

FPL Sanford Plant File

		2ND		Pieces: 1/1
FM: DEP AIR RESOURCE MGMT P. Adams DIRECTOR OFFICE STE 23 111 S MAGNOLIA DR TALLAHASSEE, FL 32301		ORIGIN: TLH		Sender's ref 37550201000 A7 AP255
To: DEP NORTHEAST DISTRICT OFFICE MR. CHRIS KIRTS 7825 BAYMEADOWS WAY AIR SECTION, SUITE 200B JACKSONVILLE, FL 32256 UNITED STATES		POSTCODE: 32256		TEL: 904-807-3235
Description: PSD-FL-380 6/1/07 letter		Weight: Letter Date: 2007-06-04		06WE <small>Day</small>
DHL standard terms and conditions apply.				
		ASHX 7D FSC		
(2L)US32256				
				
WAYBILL: 21845216853 (Non-Negotiable)				

▲ PEEL HERE PEEL HERE ▲

Please fold or cut in half
DO NOT PHOTOCOPY

Using a photocopy could delay the delivery of your package and will result in additional shipping charge

SENDER'S RECEIPT

Waybill #: 21845216853

To (Company):
 DEP Northeast District Office
 Air Section, Suite 200B
 7825 Baymeadows Way

Jacksonville, FL 32256
 UNITED STATES

Attention To: Mr. Chris Kirts
 Phone#: 904-807-3235

Sent By: P. Adams
 Phone#: 850-921-9505

Rate Estimate: 3.53
 Protection: Not Required
 Description: PSD-FL-380 6/1/07 letter

Weight (lbs.): Letter
 Dimensions: 0 x 0 x 0

Ship Ref: 37550201000 A7 AP255
 Service Level: 2nd Day (2nd business day by 5 PM)


Special Svc:

Date Printed: 6/1/2007
 Bill Shipment To: Sender
 Bill To Acct: 778941286

DHL Signature (optional) _____ Route _____ Date _____ Time _____

For Tracking, please go to www.dhl-usa.com or call 1-800-225-5345

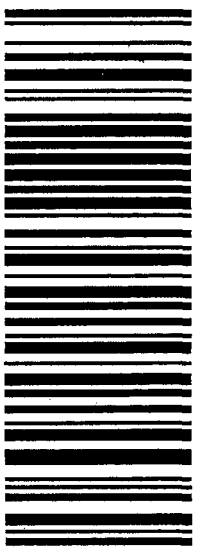
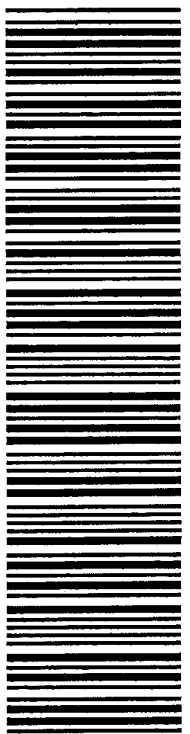
Thank you for shipping with DHL

Create new shipment 

▶ View pending shipments

Print waybill 



		2ND		Pieces: 1/1
FM: DEP AIR RESOURCE MGMT P. Adams DIRECTOR OFFICE STE 23 111 S MAGNOLIA DR TALLAHASSEE, FL 32301 UNITED STATES Phone: 850-921-9505		ORIGIN: TLH		Sender's ref 37550201000
To: U.S. EPA REGION 4 MR. GREGG M. WORLEY 61 FORSYTH STREET AIR PERMITS SECTION ATLANTA, GA 30303 UNITED STATES		30303 POSTCODE:		TEL: 404-562-9141
Description: PSD-FL-380 6/1/07 letter		Weight: Letter Date: 2007-06-04		06WE Day
DHL standard terms and conditions apply.				
		HARB 6V ATT		
(2L)US30303				
				
MAYBILL: 21845033954 (Non-Negotiable)				



Please fold or cut in half
DO NOT PHOTOCOPY

Using a photocopy could delay the delivery of your package and will result in additional shipping charge

SENDER'S RECEIPT

Waybill #: 21845033954

To (Company):
 U.S. EPA Region 4
 Air Permits Section
 61 Forsyth Street

Atlanta, GA 30303
 UNITED STATES

Attention To: Mr. Gregg M. Worley
 Phone#: 404-562-9141

Sent By: P. Adams
 Phone#: 850-921-9505

Rate Estimate: 3.53
 Protection: Not Required
 Description: PSD-FL-380 6/1/07 letter

Weight (lbs.): Letter
 Dimensions: 0 x 0 x 0

Ship Ref: 37550201000
 Service Level: 2nd Day (2nd
 business day by 5 PM)


Special Svc:

Date Printed: 6/1/2007
 Bill Shipment To: Sender
 Bill To Acct: 778941286

DHL Signature (optional) _____ Route _____ Date _____ Time _____

For Tracking, please go to www.dhl-usa.com or call 1-800-225-5345

Thank you for shipping with DHL

Create new shipment 

▶ View pending shipments

Print waybill 





FPL

Florida Power & Light Company, 950 S. Hwy. 17-92, DeBary, FL 32713

January 18, 2007

Trina Vielhauer, Chief
Bureau of Air Regulation
FDEP Division of Air Resources
2600 Blair Stone Road, MS #5505
Tallahassee, Florida 32399-2400

RECEIVED

JAN 29 2007

BUREAU OF AIR REGULATION

**RE: FPL Sanford Power Plant - Title V Air Operating Permit 1270009-011-AV
Combustion Turbine 5C
Excess Emissions Request for Manufacturer Requested FSNL Testing**

Dear Ms. Vielhauer:


Florida Power & Light is requesting an excess emissions period for the Sanford Plant Unit 5C combustion turbine. The turbine manufacturer (General Electric) has requested that a period of Full Speed No Load (FSNL) operation is necessary for the following twofold purposes:

- 1) GE Energy desires to investigate and develop ways to reduce the severity and clearing speed of the rotating stall in the GE 7FA Gas Turbine. This will have the effect of reducing the stresses in the R-0 blades and thus reduce the likelihood of crack initiation/growth occurring during start up.
- 2) GE Energy desires to gather R-0 blade vibratory response data to validate Computational Fluid Dynamics (CFD) models of the gas turbine inlet. This information will be used to assist in potential changes to the 7FA inlet plenum with the intent to reduce/eliminate the current flow field distortion that is vibrating the R-0 blades.

The FSNL test is expected to last for no more than 10 hours and will only be scheduled upon agreement with the Department. The Department has granted similar requests for FSNL testing following the replacement of rotor/blade change outs at our facility. (authorization letter attached for reference.)

If you have any questions or require additional information, please contact me at (386) 575-5211 or Randy Hopkins at (386) 575-5385.

Sincerely,



Roxane R. Kennedy
Plant General Manager
FPL Sanford Plant

Attachment

Cc: Mr. Lenonard T. Kozlov, Manager (via email)
FDEP Central Florida District
3313 Maguire Blvd., Suite 232
Orlando, Florida 32803-3767

Ms. Mary Archer – FPL/JES (via email)

FPL Sanford Plant File