STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
NOTICE OF FINAL PERMIT

In the Matter of an
Application for Air Permit by:

Mr. Jim Murray, Plant Manager
Northern Star Generation Services
8275 Exchange Drive
Orlando, Florida 32809

DEP File No. 0950203-007-AC
Orlando Cogen Limited, L.P
GT 11NMC Turbine Upgrade Project
Orange County

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Enclosed is the Final Permit Number 0950203-007-AC authorizing the applicant to replace the rotor (power) section of the combustion turbine electrical generator (CT) and to physically upgrade it from an Alstom Model GT 11NM to a Model GT 11NMC by replacing key components in the compressor section of the CT with improved ones. This upgrade will increase the nominal power rating of the CT as a result of the present and previous projects from 79 to 86.8 megawatts (MW) at the International Standards Organization (ISO) conditions of 59 degrees Fahrenheit and 1 atmosphere of pressure. The total power rating of the combined cycle unit including the CT; a heat recovery steam generator (HRSG) with a duct burner (DB) system; and a nominal 50 megawatts (MW) steam turbine-electrical generator (ST) is 136.8 MW.

Any party to this order (permit) has the right to seek judicial review of the permit pursuant to Section 120.68, F.S., by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Legal Office; 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 of Appeal must be filed within 30 days from the date this Notice is filed with the Clerk of the Department.

Executed in Tallahassee, Florida.

Trina L. Vielhauer, Chief
Bureau of Air Regulation

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this Notice of Final Permit (including the Final Permit) and all copies were sent electronically (with Received Receipt Requested) before the close of business on 2/6/08 to the person(s) listed:

Mr. Jim Murray, Northern Star: jim.murray@northernstargen.com
Mr. Dave Kellermeyer, Northern Star: davekellermeyer@northernstargen.com
Mr. Scott Osbourn, P.E., Golder Associates: sosbourn@golder.com
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Jim Little, EPA Region 4: little.james@epamail.epa.gov
Katy Forney, EPA Region 4: forney.kathleen@epa.gov

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.

(Clerk) (Date) 2/6/08

Florida Department of Environmental Protection

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary

PERMITTEE:

Northern Star Generation Services
Orlando Cogen Limited L.P.
8275 Exchange Drive
Orlando, Florida 32809

Authorized Representative:
Mr. Jim Murray, Plant Manager

Orlando Cogen Plant
Air Permit No. 0950203-007-AC
Facility ID No. 0950203
SIC No. 4931
Permit Expires: March 31, 2009

PROJECT AND LOCATION

This permit authorizes the permittee to replace the rotor (power) section and to physically upgrade the existing Alstom combustion turbine from a Model GT 11NM to a Model GT 11NMC by replacement of key components in the compressor section.

The combustion turbine is part of a natural-gas-fired combined cycle unit that produces electrical power and steam at the existing Orlando Cogeneration Plant, which is located in Orange County at 8275 Exchange Drive, Orlando, Florida. The UTM coordinates are Zone 17, 459.5 km East, and 3146.1 km North.

STATEMENT OF BASIS

This air pollution construction permit is issued under the provisions of Chapter 403 of the Florida Statutes (F.S.), and Chapters 62-4, 62-204, 62-210, 62-212, 62-296, and 62-297 of the Florida Administrative Code (F.A.C.) and Title 40, Part 60 of the Code of Federal Regulations (CFR). The permittee is authorized to install the proposed equipment in accordance with the conditions of this permit and as described in the application, approved drawings, plans, and other documents on file with the Department.

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(FINAL)

Trina L Vielhauer 2/6/08
Joseph Kahn, Director (Date)
Division of Air Resource Management