

June 24, 2010

Roman Gastesi
County Administrator
Monroe County
1100 Simonton Street
Key West, FL 33040

SUBJECT: REQUEST FOR PARTICIPATION IN THE SCOPING PROCESS FOR THE
TURKEY POINT UNITS 6 AND 7 COMBINED LICENSE APPLICATION
REVIEW

Dear Mr. Gastesi:

The U.S. Nuclear Regulatory Commission (NRC) staff is reviewing an application submitted by the Florida Power & Light Company (FPL) for a combined license (COL) for construction and operation of two new nuclear power plants at its Turkey Point site near Homestead, Florida. As part of the review of this COL application, the NRC is preparing an environmental impact statement (EIS) as required by Title 10 of the *Code of Federal Regulations* (10 CFR) Part 51, the NRC's regulations that implement the National Environmental Policy Act of 1969, as amended (NEPA). The NRC staff is currently seeking information from consulting parties and other individuals and organizations likely to have knowledge of, or concerns with, issues relating to the proposed undertaking's potential effects on the environment.

FPL submitted the application for the COL on June 30, 2009, pursuant to the NRC requirements in 10 CFR Part 52. The NRC staff accepted the application for docketing on September 4, 2009. It is available through the web-based version of NRC's Agencywide Documents Access and Management System (ADAMS), which can be found at <http://www.nrc.gov/reading-rm/adams.html>. The files for the environmental report portion of the application are listed under the accession number ML091980548. The Turkey Point COL application is also available on the Internet at <http://www.nrc.gov/reactors/new-reactors/col/turkey-point.html>.

The Turkey Point site consists of approximately 11,000 acres in southeast Miami-Dade County, Florida, approximately 25 miles south of Miami and 4.5 miles east of southeastern municipal limits of Homestead, Florida on Biscayne Bay. The Turkey Point site currently has five operating power plants installed; three fossil units (Units 1, 2 and 5) and two pressurized water nuclear units (Units 3 and 4). The existing units have a combined capacity to generate 3,350 mega watts of electricity. FPL plans to construct two new nuclear units south of the existing units. The new units would be built on an undeveloped island that is surrounded by portions of the cooling canal system associated with Units 1 through 4. Other areas that will be permanently affected on site include the location for a training center just north of the new units, and a reclaimed water treatment facility northwest of the existing units. Most of the land affected by on-site activities has been previously disturbed by activities related to the existing five units. Offsite areas that will be impacted include the routes for transmission lines, a route for the pipeline for reclaimed water from Miami, and a borrow pit for fill material. The siting area for new transmission lines will be completely within Miami-Dade County. To the extent practical, FPL expects the transmission lines and pipeline to be run in corridors that already contain other linear facilities. The identified borrow area is currently used for agriculture.

The NRC staff, in its review, will evaluate the environmental impacts of construction and operation of Turkey Point Units 6 and 7 and will consider alternatives, including alternative sites. FPL has identified four alternative sites that will be evaluated in the EIS. The site area for the new units is in Miami-Dade County, Florida. The four alternate sites to be evaluated in the EIS are located in Glades County (using Lake Okeechobee or the C-43 Channel as a water supply), Martin County (using Lake Okeechobee or the C-44 Channel as a water supply), Okeechobee County (using Lake Okeechobee or the Kissimmee River as a water supply), and St. Lucie County (using the Atlantic Ocean as a water supply). The NRC staff will also evaluate impacts from transmission line rights-of-way and site preparation activities, such as land clearing and excavation, in its cumulative impacts analysis.

Through this letter, the NRC staff is inviting other agencies to participate in the scoping process regarding the FPL application. Your office will receive a copy of the draft EIS along with a request for comments after it is issued. This draft EIS will include an assessment of impacts of construction and operation of the two proposed units, and our preliminary determination. The anticipated publication date for the draft EIS is October 2011.

The NRC staff plans to hold two public NEPA scoping meetings on July 15, 2010 at the Homestead YMCA located at 1034 Northeast 8th Street, Homestead, Florida 33030. The first meeting will convene at 1:00 pm, and will continue until approximately 4:00 pm. The second meeting will convene at 7:00 p.m., with a repetition of the overview portions of the first meeting, and will continue until approximately 10:00 p.m. Each meeting will be preceded by a 1-hour open house, during which members of the public may meet and talk with NRC staff members on an informal basis. You and your staff are invited to attend the public meetings.

Please provide any information, comments, or concerns you feel are appropriate on the scope of the proposed action during the scoping comment period, which ends on August 16, 2010. Comments should be submitted either by mail to the Chief, Rules, Announcements and Directives Branch, Division of Administrative Services, Mail Stop TWB-05-B01M, U.S. Nuclear Regulatory Commission, Washington, D.C. 20555-0001 or by e-mail to TurkeyPoint.COLEIS@nrc.gov.

R. Gastesi

- 3 -

If you have any questions concerning the NRC staff's environmental review of this COL application, please contact Mr. Andrew Kugler, Environmental Project Manager at 301-415-2828 or by e-mail at Andrew.kugler@nrc.gov. In his absence, please contact Ms. Tomeka Terry at 301-415-1488 or by email at tomeka.terry@nrc.gov.

Sincerely,

/RA/ Andy Kugler for

Laurel Bauer, Acting Chief
Environmental Projects Branch 2
Division of Site and Environmental Reviews
Office of New Reactors

Docket Nos.: 52-040 and 52-041

cc: See next page

R. Gastesi

- 3 -

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| NAME | TTerry | MMasnik | ARedden | AKugler | PMoulding | AKugler for LBauer |
| DATE | 06/17/2010 | 06/16/2010 | 06/08/2010 | 06/04/2010 | 06/11/2010 | 06/24/2010 |

OFFICIAL RECORD COPY

Letter to Roman Gastesi from Laurel Bauer dated June 24, 2010.

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TURKEY POINT UNITS 6 AND 7 COMBINED LICENSE APPLICATION
REVIEW

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(Revised 05/11/2010)

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