

December 19, 2008

MEMORANDUM TO: Stephanie M. Coffin, Chief
AP1000 Projects Branch 1
Division of New Reactor Licensing
Office of New Reactors

FROM: Brian Anderson, Project Manager
AP1000 Projects Branch 1
Division of New Reactor Licensing
Office of New Reactors

SUBJECT: SUMMARY OF JULY 28, 2008 PUBLIC MEETING WITH PROGRESS
ENERGY TO DISCUSS GEOTECHNICAL TOPICS RELATED TO THE
LEVY COUNTY, FLORIDA SITE

On July 28, 2008, the U.S. Nuclear Regulatory Commission (NRC) held a category 1 public meeting with Progress Energy Florida, Inc. (PEF) to discuss the Levy County combined license (COL) application. The purpose of the meeting was to familiarize the staff with the geotechnical characteristics of the Levy County, Florida site. The meeting agenda and a list of those in attendance are provided as Enclosures 1 and 2, respectively.

The presentation material used by PEF at the meeting is available in the Agencywide Document Access and Management System (ADAMS), which provides text and image files of the NRC's public documents. The presentation material may be accessed through accession number ML082110283. If you do not have access to ADAMS or if there are problems in accessing the meeting materials located in ADAMS, contact the NRC Public Document Room (PDR) Reference staff at 1-800-397-4209, 301-415-4737, or by email to pdr.resource@nrc.gov.

Meeting Highlights

The first half of the meeting focused primarily on a discussion of the geotechnical conditions at the proposed Levy County site. PEF began the presentation by providing an overview description of the site. Following the site familiarization discussion, PEF presented details of the site geotechnical investigation and site characterization. This discussion summarized the field investigations that had been conducted to date, including the site boring program, seismic geophysical testing, and karst investigation. PEF also presented the site profiles and provided a summary of rock and soil engineering parameters for the proposed Levy County Units 1 and 2. PEF also provided details on the site karst characterization, including methods used to evaluate karst feature dimensions.

The second half of the meeting focused primarily on PEF's plan for site preparation and the foundation design for the proposed Levy County Site. This discussion highlighted key aspects of PEF's foundation concept, including the use of a roller compacted concrete bridging mat, the planned foundation excavation sequence, and the grouting program. PEF also discussed the results of its liquefaction evaluation, its Limited Work Authorization Request, and several contingency plans that have been created for potential excavation and construction activities.

This meeting took place prior to PEF's submission of the Levy County Units 1 and 2 COLA, which occurred on July 30, 2008.

/RA/

Brian Anderson, Lead Project Manager
AP1000 Projects Branch 1
Division of New Reactor Licensing
Office of New Reactors

Docket Nos. 52-029, 52-030

Enclosures:
As stated

cc w/encl: See next page

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**AGENDA FOR PUBLIC MEETING WITH PROGRESS ENERGY TO DISCUSS
GEOTECHNICAL TOPICS AT THE LEVY COUNTY SITE**

MONDAY JULY 28, 2008

1:00 p.m.	Opening Remarks	NRC
1:15 p.m.	Description of Geotechnical Conditions at the Levy County Site	Progress
2:30 p.m.	Plan for Site Preparation and Foundation Design for the Proposed New Units at the Levy County Site	Progress
3:45 p.m.	Questions from the public	NRC
4:00 p.m.	Adjourn	

**NRC PUBLIC MEETING WITH PROGRESS ENERGY – JULY 28, 2008
GEOTECHNICAL TOPICS AT THE LEVY COUNTY SITE**

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(Revised 10/08/2008)

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