

October 15, 2007

MEMORANDUM TO: H. Brent Clayton, Chief  
Environmental Technical Support Branch  
Division of Site and Environmental Reviews  
Office of New Reactors

William F. Burton, Chief  
Environmental Projects Branch A  
Division of Site and Environmental Reviews  
Office of New Reactors

Richard P. Raione, Chief  
Environmental Projects Branch B  
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Office of New Reactors

FROM: Andrew J. Kugler, Senior Project Manager */RA/*  
Environmental Projects Branch B  
Division of Site and Environmental Reviews  
Office of New Reactors

SUBJECT: TRIP REPORT - AUGUST 20 - 21, PRE-APPLICATION  
READINESS ASSESSMENT (C-1) FOR A COMBINED LICENSE  
APPLICATION AT THE LEVY COUNTY, FLORIDA SITE

This report summarizes the staff's August 20 - 21, 2007, pre-application readiness assessment related to the environmental portion of a future combined license (COL) application at a site in Levy County, Florida. Progress Energy Florida has indicated its intent to submit a COL application for this site in mid-2008.

The purpose of this visit was to allow the staff to begin gathering information regarding the applicant's plans for the COL application, and to become familiar with the site. The visit took place at the site in Levy County. Enclosure 1 provides a list of attendees. Enclosure 2 is the agenda used during the visit. Enclosure 3 is a summary of the more significant issues that were discussed. However this was not a formal or comprehensive staff review and additional issues could be identified during the staff's formal review after the application is submitted.

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H. Clayton

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The next pre-application activity will be a visit to gather more information regarding alternative sites, and to check the status of various environmental evaluations necessary to support the COL application. This visit will most likely occur in early January, 2008.

Project No.: 756

Enclosures: As stated

H. Clayton

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Project No.: 756

Enclosures: As stated

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EHickey, PNNL

ADAMS Accession No. ML072550258

OFFICE	PM:DSER:RAP2:NRO	LA:DSER:RAP2:NRO	BC:DSER:RENV:NRO
NAME	AKugler :srm3	ARedden	H.B.Clayton
DATE	09/20/07	10/09/07	10/15/07

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**List of Attendees**  
**Levy County Readiness Assessment Visit (C-1)**  
**August 20 – 21, 2007**

<b>NAME</b>	<b>AFFILIATION</b>
Andrew Kugler	Nuclear Regulatory Commission (NRC)
Michael Willingham	NRC
Barry Zalcman	NRC
Kristina Banovac	NRC
Michael Masnik	NRC
Nancy Kuntzleman	NRC
Richard Emch	NRC
Doug Bruner	NRC
Alicia Williamson	NRC
Brent Clayton	NRC
Sikhindra Mitra	NRC
Dan Barss	NRC
Nebiyu Tiruneh	NRC
Henry Jones	NRC
Becky Krieg	Pacific Northwest National Laboratory (PNNL)
Mike Sackschewsky	PNNL
Jeff Ward	PNNL
Rajiv Prasad	PNNL
Van Ramsdell	PNNL
Greg Stoetzel	PNNL
Kristi Branch	PNNL
Dave Anderson	PNNL
Darby Stapp	PNNL
Bill Sandusky	PNNL
Janelle Downs	PNNL
Beverly Miller	PNNL
Jay MacLellan	PNNL
Bob Bryce	PNNL
Jim Cabe	PNNL
Ann Miracle	PNNL
Bob Kitchen	Progress Energy
Garry Miller	Progress Energy
Jim Nevill	Progress Energy
Paul Snead	Progress Energy
Louise England	Progress Energy
Dave Bruznek	Progress Energy
Jamie Hunter	Progress Energy
Jan Kozyra	Progress Energy
Betsy Cox	Progress Energy
Ray Bogardus	CH2M Hill
Bryan Burkingstock	CH2M Hill

NAME	AFFILIATION
Mitch Griffin	CH2M Hill
George Howroyd	CH2M Hill
Jeff Lehnen	CH2M Hill
Bill Marsh	CH2M Hill
Wayne Schofield	CH2M Hill
Jon Subacz	CH2M Hill
Aditya Tyagi	CH2M Hill
Lorin Young	CH2M Hill
Kira Zender	CH2M Hill
Mike Launi	Sargent & Lundy
Greg Smith	New South Associates
Joshua Trembley	Exelon Corp.

**Levy Nuclear Plant  
Proposed Units 1 and 2  
U.S. Nuclear Regulatory Commission (NRC)  
Pre-Application Site Visit**

**Monday, August 20, 2007** at Emergency Operations Facility (EOF), Crystal River, Florida

- 0730** Sign In: Coffee and Refreshments – Emergency News Center – EOF (Room 150)
- 0800** Welcome and Introductions – EOF (Room 150)
- Opening Remarks from Progress Energy (PE) and U.S. Nuclear Regulatory Commission (NRC)
  - Introductions and Agenda
  - Organization of Nuclear Plant Development, and Joint Venture Team
  - Orientation to Levy Site, Health and Safety
- 0900** General Tour of Levy Site
- 1200** Lunch at EOF
- 1300** PE Presentations - EOF (Room 150)
- Site Selection Process
  - Overview of Environmental Report
  - Status of Environmental Monitoring
  - Transmission Corridors
  - State and Local Regulators, and Permitting
- 1430** Breakout to Technical Groups (See Technical Representatives List for locations)
- 1645** Reconvene for Debrief of Day's Issues – EOF (Room 150)
- 1700** Adjourn for the Day

**Levy Nuclear Site  
Proposed Units 1 and 2  
U.S. Nuclear Regulatory Commission (NRC)  
Pre-Application Site Visit**

**Tuesday, August 21, 2007** at Emergency Operations Facility (EOF), Crystal River, Florida

- 0730** Coffee and Refreshments – EOF (Room 150)
- 0800** General Discussion and Questions from Yesterday – EOF (Room 150)
- 0830** Technical Group Breakouts and Specialized Tours Continue
- Barge Canal – Aquatic Ecology
  - Meteorological Tower
  - Terrestrial Ecology
- 1100 – 1200** Box Lunches Available at EOF
- 1200** Technical Group Breakouts and Specialized Tours Continue
- 1530** General Discussion and Concluding Remarks from NRC and PE – Emergency News Center (Room 150)
- 1600** Adjourn

**Summary of Issues Identified During  
The U.S. Nuclear Regulatory Commission (NRC) Staff Readiness Assessment (C-1)  
Visit to the Progress Energy Site in Levy County, Florida  
August 20 – 21, 2007**

The staff did not identify any issues related to the environmental report (ER) that would indicate it would not be ready by the planned date of application. The applicant is still relatively early in the development of the ER at this stage, and much work remains to be done. Future readiness assessment activities will provide a clearer picture of progress towards the eventual submittal of the application. The staff did identify some issues for which resolution will be needed, and revisited in future readiness assessment activities.

Land Use

Use of the site will require re-zoning of the land to "Public Use."

The applicant will need to obtain easements to support construction of roads, a railroad spur, the intake and discharge, and transmission lines.

Transmission Lines

The applicant will have to go through the State process to establish routes for, and obtain permission to build new transmission lines. The process may occur early enough to allow the U. S. Nuclear Regulatory Commission staff to use information from the State process in its evaluation of impacts.

Ecology

There have not yet been species-specific surveys for threatened and endangered species on the site. Similar surveys would also be expected for any transmission line right-of-ways that are selected.

The applicant's current plans for aquatic sampling appear to be limited. For example, current plans are for sampling in September and in the October/November timeframe.

The design of the discharge line may be a significant challenge for the applicant because of the physical characteristics of the Gulf of Mexico (e.g. very shallow for a considerable distance from shore.)

The staff expects that the ER will address impacts in the canal and lower portion of the Withlacoochee River (between the dam and the canal) from salt water intrusion/increase.

Site Selection

Three of the alternative sites are also Greenfield sites. Although the applicant was able to gain access to these sites for the purposes of basic characterization, there are no current agreements for future access. This may create problems for the NRC staff as it attempts to evaluate the proposed and alternative sites.