

## **PMLevyCOLPEm Resource**

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**From:** Comar, Manny  
**Sent:** Monday, June 08, 2009 12:56 PM  
**To:** Kitchen, Robert; Wilkins, Tillie; Waters, David  
**Cc:** LevyCOL Resource; Comar, Manny  
**Subject:** REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 049 RELATED TO SRP SECTION 19 FOR THE LEVY COUNTY UNITS 1 AND 2 COMBINED LICENSE APPLICATION  
**Attachments:** Levy-RAI-LTR-049.pdf

All:

Attached is the RAI letter No. 49 related to SRP Section:. PROBABILISTIC RISK ASSESSMENT AND SEVERE ACCIDENT EVALUATION for the Levy County Units 1 and 2 Combined License Application.

The Accession number is ML091550849

If you have any further questions, please feel free to contact me. Thanks

Manny Comar  
Senior Project Manager  
NRO/DNRL/NWE1  
Nuclear Regulatory Commission  
301-415-3863  
<mailto:manny.comar@nrc.gov>

**Hearing Identifier:** Levy\_County\_COL\_Public  
**Email Number:** 323

**Mail Envelope Properties** (3AF7DEF82ADA8944AD8247B7ED7FD651979EA6FDA9)

**Subject:** REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 049 RELATED TO  
SRP SECTION 19 FOR THE LEVY COUNTY UNITS 1 AND 2 COMBINED LICENSE APPLICATION  
**Sent Date:** 6/8/2009 12:55:42 PM  
**Received Date:** 6/8/2009 12:55:44 PM  
**From:** Comar, Manny

**Created By:** Manny.Comar@nrc.gov

**Recipients:**  
"LevyCOL Resource" <LevyCOL.Resource@nrc.gov>  
Tracking Status: None  
"Comar, Manny" <Manny.Comar@nrc.gov>  
Tracking Status: None  
"Kitchen, Robert" <robert.kitchen@pgnmail.com>  
Tracking Status: None  
"Wilkins, Tillie" <tillie.wilkins@pgnmail.com>  
Tracking Status: None  
"Waters, David" <David.Waters@pgnmail.com>  
Tracking Status: None

**Post Office:** HQCLSTR01.nrc.gov

<b>Files</b>	<b>Size</b>	<b>Date &amp; Time</b>
MESSAGE	503	6/8/2009 12:55:44 PM
Levy-RAI-LTR-049.pdf	151390	

**Options**  
**Priority:** Standard  
**Return Notification:** No  
**Reply Requested:** No  
**Sensitivity:** Normal  
**Expiration Date:**  
**Recipients Received:**

## LevyCountyRAIsPEm Resource

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**From:** Manny Comar  
**Sent:** Thursday, June 04, 2009 5:13 PM  
**To:** LevyCountyRAIsPEm Resource  
**Subject:** REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 049 RELATED TO SRP SECTION 19 FOR THE LEVY COUNTY NUCLEAR PLANT UNITS 1 AND 2 COMBINED LICENSE APPLICATION  
**Attachments:** LEVY-RAI-LTR-049.doc

**Hearing Identifier:** Levy\_County\_COL\_eRAIs  
**Email Number:** 56

**Mail Envelope Properties** (3AF7DEF82ADA8944AD8247B7ED7FD651968D80CC4B)

**Subject:** REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 049 RELATED TO SRP SECTION 19 FOR THE LEVY COUNTY NUCLEAR PLANT UNITS 1 AND 2 COMBINED LICENSE APPLICATION

**Sent Date:** 6/4/2009 5:13:27 PM

**Received Date:** 6/4/2009 5:13:28 PM

**From:** Manny Comar

**Created By:** Manny.Comar@nrc.gov

**Recipients:**

"LevyCountyRAIsPEm Resource" <LevyCountyRAIsPEm.Resource@nrc.gov>

Tracking Status: None

**Post Office:** HQCLSTR01.nrc.gov

<b>Files</b>	<b>Size</b>	<b>Date &amp; Time</b>
MESSAGE	3	6/4/2009 5:13:28 PM
LEVY-RAI-LTR-049.doc	52218	

**Options**

**Priority:** Standard

**Return Notification:** No

**Reply Requested:** No

**Sensitivity:** Normal

**Expiration Date:**

**Recipients Received:**

May 31, 2009

Mr. Garry Miller  
General Manager, Nuclear Plant Development  
Progress Energy Florida, Inc.  
PO Box 1551  
411 Fayetteville Street Mall  
Raleigh, NC 27602

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 049 RELATED TO  
SRP SECTION 19-PROBABLISTIC RISK ASSESSMENT AND SEVERE  
ACCIDENT EVALUATION FOR THE LEVY COUNTY NUCLEAR PLANT UNITS  
1 AND 2 COMBINED LICENSE APPLICATION

Dear Mr. Miller:

By letter dated July 28, 2008, as supplemented by a letter dated September 12, 2008, Progress Energy Florida, Inc. submitted its application to the U. S. Nuclear Regulatory Commission (NRC) for a combined license (COL) for two AP1000 advanced passive pressurized water reactors pursuant to 10 CFR Part 52. The NRC staff is performing a detailed review of this application to enable the staff to reach a conclusion on the safety of the proposed application.

The NRC staff has identified that additional information is needed to continue portions of the review. The staff's request for additional information (RAI) is contained in the enclosure to this letter.

To support the review schedule, you are requested to respond within 30 days of the date of this letter. If changes are needed to the final safety analysis report, the staff requests that the RAI response include the proposed wording changes.

If you have any questions or comments concerning this matter, you may contact me at 301-415-3863 or you may contact Brian Anderson, the lead project manager for the Levy County Nuclear Plant Units 1 and 2 combined license application at 301-415-9967.

Sincerely,

**/RA/**

Manny Comar, Project Manager  
AP1000 Projects Branch 1  
Division of New Reactor Licensing  
Office of New Reactors

Docket Nos. 52-029  
52-030

Enclosure:  
Request for Additional Information

CC: see next page

If you have any questions or comments concerning this matter, you may contact me at 301-415-3863 or you may contact Brian Anderson, the lead project manager for the Levy County Nuclear Plant Units 1 and 2 combined license application at 301-415-9967.

Sincerely,

**/RA/**

Manny Comar, Project Manager  
AP1000 Projects Branch 1  
Division of New Reactor Licensing  
Office of New Reactors

Docket Nos. 52-029  
52-030

eRAI Tracking No. 2609  
Enclosure:  
Request for Additional Information

Distribution:

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NRO-002

OFFICE	SPLA/BC	NWE1/L-PM	OGC	NWE1/L-PM
NAME	LMrowca	RJoshi	JMartin	BAnderson*
DATE	04/15/09	04/22/09	05/8/09	05/31/09

\*Approval captured electronically in the electronic RAI system.

**OFFICIAL RECORD COPY**

Request for Additional Information No. 2609

5/31/2009

Levy County, Units 1 and 2  
Progress Energy Florida, Inc.  
Docket No. 52-029 and 52-030  
SRP Section: 19 - Probabilistic Risk Assessment and Severe Accident Evaluation  
Application Section: 19.58

QUESTIONS from PRA Licensing, Operations Support and Maintenance Branch 1 (AP1000/EPR Projects) (SPLA)

19-1

Part of AP1000 DCD COL Information Item 19.59.10-2 calls for the following action by COL applicants:

The Combined License applicant will confirm that the High Winds, Floods, and Other External Events analysis documented in Section 19.58 is applicable to the COL site. Further evaluation will be required if the COL site is shown to be outside of the bounds of the High Winds, Floods, and Other External Events analysis documented in Section 19.58.

The above requirement is replaced by the following words in STD COL 19.59.10-2:

It has been confirmed that the High Winds, Floods, and Other External Events analysis documented in Section 19.58 is applicable to the site...

Please provide supporting information or appropriate references that ensure that all of the key site-related assumptions in the Section 19.58 External Events analyses are valid for the Levy Nuclear Plant site.

19-2

STD COL 19.59.10-2 states that "The PRA will be updated to reflect these differences (between the as-built plant and design used as the basis for the AP1000 PRA and DCD Table 19.59-18) if they potentially result in a significant increase in core damage frequency or large release frequency."

(a) Please clarify how the Levy Nuclear Plant PRA (to be completed by fuel load ) will be updated to account for Levy Nuclear Plant site-specific information per 10 CFR 52.79(d)(1) and 10 CFR 50.71(h)(1) as well as as-built information.

(b) Please define "significant increase."