

## LevyCountyRAIsPEm Resource

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**From:** Habib, Donald  
**Sent:** Tuesday, January 13, 2015 2:31 PM  
**To:** LevyCountyRAIsPEm Resource  
**Subject:** Request for Additional Information Letter No. 125 Related to SRP Section 6.3, Emergency Core Cooling System, for the Levy Nuclear Plant Units 1 and 2 COL Application  
**Attachments:** 2015-12-01 Levy RAI Letter 125 for RAI 7785 6.3-14.docx

**Hearing Identifier:** Levy\_County\_COL\_eRAIs  
**Email Number:** 121

**Mail Envelope Properties** (E3D0DF334F617344BE38EB00C881B1B301DF2F78C9CD)

**Subject:** Request for Additional Information Letter No. 125 Related to SRP Section 6.3, Emergency Core Cooling System, for the Levy Nuclear Plant Units 1 and 2 COL Application  
**Sent Date:** 1/13/2015 2:30:48 PM  
**Received Date:** 1/13/2015 2:30:50 PM  
**From:** Habib, Donald

**Created By:** Donald.Habib@nrc.gov

**Recipients:**  
"LevyCountyRAIsPEm Resource" <LevyCountyRAIsPEm.Resource@nrc.gov>  
Tracking Status: None

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

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MESSAGE	3	1/13/2015 2:30:50 PM
2015-12-01 Levy RAI Letter 125 for RAI 7785 6.3-14.docx		38060

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

January 13, 2015

Mr. Christopher M. Fallon  
Vice President, Nuclear Development  
Duke Energy Florida, Inc.  
P.O. Box 1006 – EC12L  
Charlotte, NC 28201-1006

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 125 RELATED TO  
STANDARD REVIEW PLAN SECTION 6.3, EMERGENCY CORE COOLING  
SYSTEM, FOR THE LEVY NUCLEAR PLANT UNITS 1 AND 2 COMBINED  
LICENSE APPLICATION

Dear Mr. Fallon:

By letter dated July 28, 2008, as supplemented by a letter dated September 12, 2008, Progress Energy Florida, Inc., now Duke Energy Florida, 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 301-415-1035.

Sincerely,

Donald Habib, Project Manager  
Licensing Branch 4  
Division of New Reactor Licensing  
Office of New Reactors

Docket Nos. 52-029  
52-030

eRAI Tracking Nos. 7785

Enclosure:  
Request for Additional Information

If you have any questions or comments concerning this matter, you may contact me at 301-415-1035.

Sincerely,

Donald Habib, Project Manager  
Licensing Branch 4  
Division of New Reactor Licensing  
Office of New Reactors

Docket Nos. 52-029  
52-030

eRAI Tracking Nos. 7785

Enclosure:  
Request for Additional Information

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NAME	JMcKirgan*	KRoach*	DHabib*
DATE	12/30/14	1/5/15	1/13/15

\*Approval captured electronically in the electronic RAI system.

**OFFICIAL RECORD COPY**

## **Request for Additional Information 7785 (Letter 125)**

Issue Date: 01/13/2015

Application Title: Levy County, Units 1 and 2 - Dockets 52-029 and 52-030

Operating Company: Duke Energy Florida

Review Section: 06.03 - Emergency Core Cooling System

### QUESTIONS

06.03-14

On November 18, 2014, the U.S. Nuclear Regulatory Commission (NRC) held a Category 2 public teleconference with representatives from Duke Energy Florida and Westinghouse Electric Company (WEC) to discuss the status of issues to support the safety review for the Levy Nuclear Plant Units 1 and 2 combined license application (COLA) (Agencywide Documents Access and Management System (ADAMS) Accession No. ML14318A341). One of the issues discussed was an error that WEC discovered in a proprietary WGOETHIC calculation related to the condensate return analysis.

On December 16, 2014, NRC held a non-public meeting with WEC and AP1000 licensees and license applicants to find proprietary details of WGOETHIC calculation error and the impact (see ADAMS Accession No. ML15007A073). Please provide the following for the NRC staff to be able to better evaluate the impact of this error on Levy COLA:

1. Describe the error.
2. Describe the effect of this error on the condensate return analysis.
3. Describe and justify any changes made to the analyses to compensate for the effect of this error.
4. Confirm that this error does not affect the containment peak pressure and temperature calculations.
5. State when the corrected calculations will be available for NRC staff audit, if needed.
6. State whether Levy will submit amendments to previous submittals as a result of this error and if so, when will Levy make those submittals.