

## HarrisRAIsPEm Resource

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**From:** Ravindra Joshi  
**Sent:** Thursday, October 23, 2008 7:18 AM  
**To:** HarrisRAIsPEm Resource  
**Subject:** REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 033 RELATED TO SRP SECTION 15.00.03 FOR THE HARRIS UNITS 2 AND 3 COMBINED LICENSE APPLICATION  
**Attachments:** HAR-RAI-LTR-033.doc

**Hearing Identifier:** HarrisCOL\_eRAIs  
**Email Number:** 33

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**Subject:** REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 033 RELATED TO SRP SECTION 15.00.03 FOR THE HARRIS UNITS 2 AND 3 COMBINED LICENSE APPLICATION  
**Sent Date:** 10/23/2008 7:17:51 AM  
**Received Date:** 10/23/2008 7:17:55 AM  
**From:** Ravindra Joshi

**Created By:** Ravindra.Joshi@nrc.gov

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

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

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

October 23, 2008

James Scarola  
Senior Vice President and  
Chief Nuclear Officer  
PO Box 1551  
411 Fayetteville Street Mall  
Raleigh NC 27602

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 033 RELATED TO  
SRP SECTION 15.00.03 FOR THE HARRIS UNITS 2 AND 3 COMBINED  
LICENSE APPLICATION

Dear Mr. Scarola:

By letter dated February 18, 2008, Progress Energy submitted its application to the U. S. Nuclear Regulatory Commission (NRC) for a combined license (COL) for two AP1000 advance 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 301-415-6191 or you may contact Manny Comar, the lead project manager for the Harris combined license at 301-415-3863.

Sincerely,

**/RA/**

Ravindra G. Joshi, Project Manager  
AP1000 Projects Branch 1  
Division of New Reactor Licensing  
Office of New Reactors

Docket Nos. 52-022  
52-023

Enclosure:  
Request for Additional Information

CC: see next page

If you have any questions or comments concerning this matter, you may contact me at 301-415-6191 or you may contact Manny Comar, the lead project manager for the Harris combined license at 301-415-3863.

Sincerely,

**/RA/**

Ravindra G. Joshi, Project Manager  
AP1000 Projects Branch 1  
Division of New Reactor Licensing  
Office of New Reactors

Docket Nos. 52-022  
52-023  
ERAI Tracking No. 1258

Enclosure:  
Request for Additional Information

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NRO-002

OFFICE	RSAC/BC	NWE1/PM	OGC	NWE1/L-PM
NAME	CCox *	RJoshi*	SBrock*	MComar*
DATE	10/03/08	10/06/08	10/09/08	10/16/08

\*Approval captured electronically in the electronic RAI system.

**OFFICIAL RECORD COPY**

**Shearon Harris**  
**Progress Energy Carolinas, Inc.**  
**Docket No. 52-022 and 52-023**  
**SRP Section: 15.00.03 – Design Basis Accidents Radiological Consequences Analyses for**  
**advanced Light Water Reactors**  
**Application Section: Section 15.0**

**QUESTION from Siting and Accident Consequences Branch (RSAC)**

15.00.03-1

By letter dated August 14, 2008, NRC informed the AP1000 vendor that an assumption made in evaluating the LOCA DBA for Revision 16 of the AP1000 DCD was not technically justified. Both FSAR Chapter 15 and Section 6.4 of the subject COL application incorporate by reference the design basis accident analyses in Revision 16 of the AP1000 DCD. Provide an evaluation of the LOCA that does not make use of the rejected assumption. Describe any design or siting changes that are intended to compensate for the rejected assumption.