

## PMHarrisCOL PEmails

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**From:** Manny Comar  
**Sent:** Wednesday, August 13, 2008 9:39 AM  
**To:** robert.kitchen@pgnmail.com; david.waters@pgnmail.com; tillie.wilkins@pgnmail.com  
**Cc:** Manny Comar; HarrisCOL Resource  
**Subject:** REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 003 RELATED TO SRP Section 02.03.04- SHORT TERM ATMOSPHERE DISPERSION ESTIMATES FOR ACCIDENT RELEASES  
**Attachments:** Harris-RAI-LTR-03.pdf

All:

Attached is the RAI letter No.3 related to SRP section 02.03.04. The Accession number is ML082260102.

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

**Hearing Identifier:** ShearonHarris\_COL\_Public  
**Email Number:** 56

**Mail Envelope Properties** (3AF7DEF82ADA8944AD8247B7ED7FD65169818FCD1B)

**Subject:** REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 003 RELATED TO SRP Section 02.03.04- SHORT TERM ATMOSPHERE DISPERSION ESTIMATES FOR ACCIDENT RELEASES

**Sent Date:** 8/13/2008 9:38:45 AM

**Received Date:** 8/13/2008 9:38:47 AM

**From:** Manny Comar

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

**Recipients:**

"Manny Comar" <Manny.Comar@nrc.gov>

Tracking Status: None

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

Tracking Status: None

"robert.kitchen@pgnmail.com" <robert.kitchen@pgnmail.com>

Tracking Status: None

"david.waters@pgnmail.com" <david.waters@pgnmail.com>

Tracking Status: None

"tillie.wilkins@pgnmail.com" <tillie.wilkins@pgnmail.com>

Tracking Status: None

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

<b>Files</b>	<b>Size</b>	<b>Date &amp; Time</b>
MESSAGE	286	8/13/2008 9:38:47 AM
Harris-RAI-LTR-03.pdf	124894	

**Options**

**Priority:** Standard

**Return Notification:** No

**Reply Requested:** No

**Sensitivity:** Normal

**Expiration Date:**

**Recipients Received:**

## HarrisRAIsPEm Resource

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**From:** Manny Comar  
**Sent:** Wednesday, August 13, 2008 9:03 AM  
**To:** HarrisRAIsPEm Resource  
**Subject:** REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 003 RELATED TO SRP SECTION 02.03.04 FOR THE HARRIS UNITS 2 AND 3 COMBINED LICENSE APPLICATION  
**Attachments:** HAR-RAI-LTR-003.doc

**Hearing Identifier:** HarrisCOL\_eRAIs  
**Email Number:** 3

**Mail Envelope Properties** (3AF7DEF82ADA8944AD8247B7ED7FD65169818FCC43)

**Subject:** REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 003 RELATED TO  
SRP SECTION 02.03.04 FOR THE HARRIS UNITS 2 AND 3 COMBINED LICENSE APPLICATION  
**Sent Date:** 8/13/2008 9:02:49 AM  
**Received Date:** 8/13/2008 9:02:51 AM  
**From:** Manny Comar

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

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

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

<b>Files</b>	<b>Size</b>	<b>Date &amp; Time</b>
MESSAGE	13	8/13/2008 9:02:51 AM
HAR-RAI-LTR-003.doc	51194	

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

August 13, 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. 003 RELATED TO  
SRP SECTION 02.03.04 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 301-415-3863.

Sincerely,

**/RA/**

Manny Comar, Lead 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 301-415-3863.

Sincerely,

**/RA/**

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

Docket Nos. 52-022  
52-023  
ERAI Tracking No. 494

Enclosure:  
Request for Additional Information

Distribution:

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RidsRgn2MailCenter		

NRO-002

OFFICE	RSAC/BC	NWE1/PM	OGC	NWE1/L-PM
NAME	CCox*	MComar*	SBrock*	MComar*
DATE	6/17/08	7/11/08	7/11/08	7/31/08

\*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: 02.03.04 - Short Term Atmospheric Dispersion Estimates for Accident Releases  
Application Section: 2.3.4

QUESTIONS from Siting and Accident Consequence Branch (RSAC)

02.03.04-1

Please ensure that the control room ground-level containment X/Q values for the HVAC intake and control room door receptors, as presented in FSAR Table 2.3.4-206, are listed correctly. An independent calculation by the staff showed that the control room ground-level containment X/Q values for the HVAC intake and control room door receptors varied more than 60% than those stated. Please revise these numbers to show correct values or provide justification for the numbers.

02.03.04-2

Please include a footnote, similar to the AP1000, Rev. 16, DCD Table 15-A6, in either FSAR Table 2.3.4-206 or FSAR Table 2.3.4-207 clarifying why the Plant Vent / PCS Air Diffuser release points were listed, but no X/Q values were presented.

02.03.04-3

Please confirm in FSAR Section 2.3.4.4 that a ground-level release assumption was used for each release / receptor combination.