PMHarrisCOL PEmails

From: Manny Comar
Sent: Thursday, August 21, 2008 12:32 PM
To: robert.kitchen@pgnmail.com; Wilkins, Tillie; david.waters@pgnmail.com
Cc: Manny Comar; HarrisCOL Resource
Subject: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 007 RELATED TO SRP SECTION 02.02.01- 02.02.02 FOR THE HARRIS UNITS 2 AND 3 COMBINED LICENSE APPLICATION
Attachments: Harris-RAI-LTR-07.pdf

All:

Attached is the RAI Letter no 007 related to SRP Section 02.02.01- 02.02.02- Identification of Potential Hazards in Site Vicinity.

The Accession number is ML082340702.

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: ShearonHarris_COL_Public
Email Number: 122

Mail Envelope Properties (3AF7DEF82ADA8944AD8247B7ED7FD6516981C4B1A8)

Subject: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 007 RELATED TO SRP SECTION 02.02.01- 02.02.02 FOR THE HARRIS UNITS 2 AND 3 COMBINED LICENSE APPLICATION
Sent Date: 8/21/2008 12:31:41 PM
Received Date: 8/21/2008 12:31:43 PM
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
"Wilkins, Tillie" <tillie.wilkins@pgnmail.com>
Tracking Status: None
"david.waters@pgnmail.com" <david.waters@pgnmail.com>
Tracking Status: None

Post Office: HQCLSTR01.nrc.gov

Files	**Size**	**Date & Time**
MESSAGE	446	8/21/2008 12:31:43 PM
Harris-RAI-LTR-07.pdf	137974	

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

HarrisRAIsPEm Resource

From: Manny Comar
Sent: Thursday, August 21, 2008 11:55 AM
To: HarrisRAIsPEm Resource
Subject: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 007 RELATED TO SRP SECTION 02.02.01- 02.02.02 FOR THE HARRIS UNITS 2 AND 3 COMBINED LICENSE APPLICATION
Attachments: HAR-RAI-LTR-007.doc

Hearing Identifier: HarrisCOL_eRAIs
Email Number: 7

Mail Envelope Properties (3AF7DEF82ADA8944AD8247B7ED7FD6516981C4B107)

Subject: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 007 RELATED TO SRP SECTION 02.02.01- 02.02.02 FOR THE HARRIS UNITS 2 AND 3 COMBINED LICENSE APPLICATION
Sent Date: 8/21/2008 11:54:31 AM
Received Date: 8/21/2008 11:54:32 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

Files	**Size**	**Date & Time**
MESSAGE	8	8/21/2008 11:54:32 AM
HAR-RAI-LTR-007.doc	53754	

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

August 21, 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. 007 RELATED TO SRP SECTION 02.02.01-02.02.02 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. 878

Enclosure:
Request for Additional Information

Distribution:

Public	STammara	BHughes
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NRO-002

OFFICE	RSAC/BC	NWE1/PM	OGC	NWE1/L-PM
NAME	CCox*	MComar*	SBrock*	MComar*
DATE	7/23/08	7/23/08	8/08/08	8/18/08

*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: 02.02.01-02.02.02 - Identification of Potential Hazards in Site Vicinity
Application Section: FSAR 2.2.1-2.2.2

QUESTIONS from Siting and Accident Consequences Branch

02.02.01-02.02.02-1

RG 1.206 provides guidance regarding the information that is needed to ensure potential hazards in the site vicinity are identified and evaluated to meet the siting criteria in 10 CFR 100.20 and 10 CFR 100.21. The FSAR Section 2.2.2.7 does not provide this information adequately to review this section. The Staff's review indicates that there are more than three airports within 20 miles and numerous airports within the region of 50 mile radius (between 20 - 50 miles) of HAR site. Please either address these in the FSAR or give rationale for exclusion.

02.02.01-02.02.02-2

RG 1.206 provides guidance regarding the information that is needed to ensure potential hazards in the site vicinity are identified and evaluated to meet the siting criteria in 10 CFR 100.20 and 10 CFR 100.21. The FSAR Section 2.2.2.7 does not provide this information adequately to review this section. The NRC staff finds that the Sanford-Lee Country Regional Airport (TTA) is located approximately 8.7 miles west-southwest of the HAR plant site. On the basis of the applicant information provided with daily 129 aircraft operations, the projected annual operations for this airport estimated to be 47085 and would exceed the airport distance/operations criterion of $500d^2$ (500 x 8.7 x 8.7 = 37845) and therefore an evaluation of aircraft hazards should be performed in Section 3.5.1.6. Please check, address and evaluate appropriately.

02.02.01-02.02.02-3

RG 1.206 provides guidance regarding the information that is needed to ensure potential hazards in the site vicinity are identified and evaluated to meet the siting criteria in 10 CFR 100.20 and 10 CFR 100.21. The FSAR Section 2.2.2.7 does not provide this information adequately to review this section. The NRC staff's review indicates that there is a military route, IR718, with a centerline approximately 1.4 miles north of the HAR site, whose nearest edge is less than 5 miles from the HAR site. Therefore, NRC Staff considers that the applicant should evaluate and address the aircraft hazards associated with this route in Section 3.5.1.6. Please evaluate or provide a justification for its exclusion.

02.02.01-02.02.02-4

RG 1.206 provides guidance regarding the information that is needed to ensure potential hazards in the site vicinity are identified and evaluated to meet the siting criteria in 10 CFR 100.20 and 10 CFR 100.21. The FSAR Section 2.2.2.7 does not provide this information adequately to review this section. The NRC Staff's review indicates that there two Federal jet routes Airway J207 and J52-55,whose nearest edges are well within 2 miles of HAR site. Therefore, in accordance with the

acceptance criteria 3.5.1.6, the aircraft hazards associated with these jet routes should be evaluated and addressed in Section 3.5.1.6. Please evaluation, or provide justification for their exclusion.