

PMHarrisCOL PEmails

From: Manny Comar
Sent: Wednesday, August 13, 2008 5:57 PM
To: robert.kitchen@pgnmail.com; david.waters@pgnmail.com; Wilkins, Tillie
Cc: Manny Comar; Charles Cox; Seshagiri Tammara; PMHarrisCOL PEmails
Attachments: RAI 878.doc

To All,

Attached is the Draft RAI 878 related to SRP Section: 02.02.01-02.02.02 - Identification of Potential Hazards in Site Vicinity for Harris S-COL Units 2 and 3

Please let me know if you would like to discuss the RAI before it is made official.

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: 59

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Subject:
Sent Date: 8/13/2008 5:56:50 PM
Received Date: 8/13/2008 5:56:51 PM
From: Manny Comar

Created By: Manny.Comar@nrc.gov

Recipients:

"Manny Comar" <Manny.Comar@nrc.gov>
Tracking Status: None
"Charles Cox" <Charles.Cox@nrc.gov>
Tracking Status: None
"Seshagiri Tammara" <Seshagiri.Tammara@nrc.gov>
Tracking Status: None
"PMHarrisCOL PEmails" <PMHarrisCOL.PEmails@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
"Wilkins, Tillie" <tillie.wilkins@pgnmail.com>
Tracking Status: None

Post Office: HQCLSTR01.nrc.gov

Files	Size	Date & Time
MESSAGE	444	8/13/2008 5:56:51 PM
RAI 878.doc	34298	

Options

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

Request for Additional Information No. 878

Shearon Harris
Progress Energy
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 (RSAC)

02.02.01-02.02.02-***

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-***

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 $500d^2$ ($500 \times 8.7 \times 8.7 = 37845$) 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-***

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-***

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.