## PMHarrisCOL PEmails

**From:** Ravindra Joshi
**Sent:** Monday, September 15, 2008 3:55 PM
**To:** David Waters; Robert Kitchen; Tillie Wilkins
**Cc:** HarrisCOL Resource; Charles Cox; Michelle Hart; Manny Comar
**Subject:** Draft RAI related to SRP Section 6.4-- Harris Units 2 and 3
**Attachments:** RAI 926.doc

To All,

Attached is a draft RAI related to SRP Section 6.4 for Harris Units 2 and 3. If you would like to schedule a conference call to discuss this RAI, please let me know before 5:00 PM on September 18, 2008. If no request for a conference call is received, this RAI will be issued as Final.

Thanks,

Ravindra G. Joshi
Project Manager
AP1000 Project
NRO/DNRL/NWE1
US NRC
301-415-6191.

**Hearing Identifier:** ShearonHarris_COL_Public
**Email Number:** 116

**Mail Envelope Properties** (CEEA97CC21430049B821E684512F6E5E97B8176DB3)

**Subject:** Draft RAI related to SRP Section 6.4-- Harris Units 2 and 3
**Sent Date:** 9/15/2008 3:54:37 PM
**Received Date:** 9/15/2008 3:54:38 PM
**From:** Ravindra Joshi

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|---|---|---|
| MESSAGE | 446 | 9/15/2008 3:54:38 PM |
| RAI 926.doc | 28666 | |

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

Request for Additional Information No. 926

Shearon Harris
Progress Energy Carolinas, Inc.
Docket No. 52-022 and 52-023
SRP Section: 06.04 - Control Room Habitability System
Application Section: FSAR 6.4

QUESTIONS from Siting & Accident Consequences Branch (RSAC)

06.04-1***

Shearon Harris Units 2 and 3 FSAR Table 2.3.4-206 provides control room atmospheric dispersion factors for various release points for the design basis accidents. These are compared to the AP1000 DCD Rev. 16 reference control room atmospheric dispersion factors used to calculate the control room design basis accident doses given in the AP1000 DCD, Rev. 16, Tier 2, Chapter 6.4. AP1000 DCD, Rev. 16, Table 15A-6, which is the comparable table in the AP1000 DCD for use in design basis radiological consequences analyses, includes a release point titled “Plant Vent or PCS Air Diffuser,” which footnote 3 to the table states that the values are used in the radiological consequences analysis of the small line break outside containment accident. Provide the site-specific control room atmospheric dispersion factors in Shearon Harris Units 2 and 3 FSAR Table 2.3.4-206 for the small line break outside containment accident, for both the HVAC intake and control room door receptors.

06.04-2***

In STD SUP 6.4-1, the dual unit analysis discusses the potential impact of an accident at one AP1000 unit on an adjacent AP1000 unit's control room at any site. The Harris COL site includes the existing Harris Unit 1, which the site plan figures in FSAR Chapters 2 and 3 shows will be adjacent to Harris Unit 2, and looks to be nearly as close as Unit 3 is to Unit 2. Discuss the impact of an accident at the adjacent Harris Unit 1 on the control room habitability at Units 2 and 3.