**PMHarrisCOL PEmails**

**From:** Manny Comar
**Sent:** Thursday, July 17, 2008 11:40 AM
**To:** robert.kitchen@pgnmail.com; tillie.wilkins@pgnmail.com; david.waters@pgnmail.com
**Cc:** HarrisCOL Resource; Charles Cox; Joseph Hoch
**Subject:** Draft RAI related to SRP Section: 02.03.05 (Long-Term Atmospheric Dispersion Estimates for Routine Releases) Harris SCOL Units 2 and 3
**Attachments:** RAI 495.doc

To All,
Attached is the Draft RAI related to SRP Section: 02.03.05 (Long-Term Atmospheric Dispersion Estimates for Routine Releases) Harris SCOL Units 2 and 3

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

Thanks

Manny Comar
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**Hearing Identifier:** ShearonHarris_COL_Public
**Email Number:** 17

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**Subject:** Draft RAI related to SRP Section: 02.03.05 (Long-Term Atmospheric Dispersion Estimates for Routine Releases) Harris SCOL Units 2 and 3
**Sent Date:** 7/17/2008 11:39:41 AM
**Received Date:** 7/17/2008 11:39:43 AM
**From:** Manny Comar

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| RAI 495.doc | 32250 | |

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

Request for Additional Information No. 495

Shearon Harris
Progress Energy Carolinas, Inc.
Docket No. 52-022 and 52-023
SRP Section: 02.03.05 - Long-Term Atmospheric Dispersion Estimates for Routine Releases
Application Section: 2.3.5

QUESTIONS: Siting and Accident Consequence Branch (RSAC)

02.03.05-***

Please provide a reference to the AP1000 DCD for the building cross-sectional area and containment height used as input to the XOQDOQ model. The staff notes that DCD Section 3.8.1, Rev. 16, states that the containment vessel has a height of 215 feet, 4 inches.

02.03.05-***

Please specify whether the distances provided to the receptors of interest (i.e., milk cow, milk goat, garden, meat animal, resident) are from the center point of the proposed units or from the shortest distance from either proposed unit. Also, please include a reference in FSAR Section 2.3.5 for the receptor distances provided.

02.03.05-***

Please confirm the accuracy of the D/Q estimates for the nearest resident receptor for the north through south-southeast downwind sectors as presented in FSAR Table 2.3.5-202. For example, in the north sector the meat animal and resident are located at the same distance, however, the D/Q values differ by 242%.

02.03.05-***

In accordance with AP1000, Rev. 16, DCD Tier 2 Section 2.3.6.5 please include a table in FSAR Section 2.3.5 that shows that the maximum annual average site characteristic X/Q value is within the bounds of the corresponding site parameter value.