

**From:** Peter Tam  
**To:** Loeffler, Rick; Salamon, Gabor  
**Date:** 06/29/2006 8:36:47 AM  
**Subject:** Monticello: Draft RAI (Radiological) re. Full-Scope Application of Alternative Source Term

Gabe, Rick:

Our radiological consequences reviewer, Michelle Hart, has written the following draft questions for discussion with you in a telephone conference. We will decide how to disposition these draft questions in the conference:

1. What is the basis for the assumed reduction in leakage through the main steam isolation valves (MSIVs) at 24 hours and 72 hours in the loss of coolant accident (LOCA) dose analysis? The submittal indicates that the reduction in leakage into the main steam lines is consistent with the reduction in primary containment leakage based on reduction of primary containment pressure. How does the reduction in primary containment pressure lead to a reduction in MSIV leakage?
2. Does the LOCA analysis modeling of iodine aerosol deposition in the MSIV leakage pathway account for the preceding removal of aerosols in the primary containment by natural deposition?
3. Was potential iodine revolatilization accounted for in the modeling of iodine removal for the LOCA MSIV leakage pathway? Does the piping temperature profile used to determine the aerosol deposition efficiency include heating from aerosols deposited in the piping?
4. Please provide the control room shine dose calculations, including any diagrams that indicate the location of the source(s) and receptor(s).

Please call me to set up the telephone conference for the near future, but we will avoid Friday July 7.

**The sole purpose of this e-mail is to prepare you and others for the requested telephone conference. It does not formally request for information, and it does not state a formal NRC staff position.**

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**CC:** Arias, Jesus; Hart, Michelle

**Mail Envelope Properties**

(44A3C95F.4AD : 12 : 35330)

**Subject:** Monticello: Draft RAI (Radiological) re. Full-Scope Application of Alternative Source Term  
**Creation Date** 06/29/2006 8:36:47 AM  
**From:** Peter Tam  
**Created By:** PST@nrc.gov

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