

**From:** Mahesh Chawla  
**To:** Dale.Vincent@nmcco.com  
**Date:** 5/13/04 10:18AM  
**Subject:** Prairie Island - Units 1& 2- LAR - 3/25/04 - Main Steam Line Mass & Energy release using BAW-10169-A

In reference to the above submittal, NRC staff has following questions which they would like to discuss with you. Please indicate your availability to have a teleconference with the staff.

1. Page 5. Explain the choice of 0.6 ft<sup>2</sup> for the lower bound break size for the sensitivity study. Are split breaks considered?
2. Verify that both cases with and without loss of offsite power will be considered to determine the limiting case.
3. Describe or provide a reference for the treatment of entrainment in the break flow. Was this included in the core response calculations?
4. Page 5. The statement is made that liquid inventory is maximized. But this corresponds to zero power. How is this consistent with sensitivity study to select limiting power?
5. Page 5. Why isn't a single failure of the auxiliary feedwater automatic run-out protection analyzed?
6. Page 5. Is the description of the modeling of the steam system consistent with the current licensing basis?

**CC:** Richard Lobel

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