

**From:** George Dick  
**To:** INTERNET:joseph.bauer@exeloncorp.com  
**Date:** Fri, Feb 9, 2001 3:44 PM  
**Subject:** Dose Questions

Joe,

Please see attached.

George

**CC:** Jay Lee, Mahesh Chawla

**Mail Envelope Properties**

(3A8456B1.527 : 22 : 21110)

**Subject:** Dose Questions  
**Creation Date:** Fri, Feb 9, 2001 3:44 PM  
**From:** George Dick

**Created By:** OWFN\_DO.OWF4\_PO:GFD

<b>Recipients</b>	<b>Action</b>	<b>Date &amp; Time</b>
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Uprate_Jay_Lee_RAI.wpd	8695	Friday, February 9, 2001 3:42 PM
MESSAGE	653	Friday, February 9, 2001 3:44 PM

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Discussion Items with Byron/Braidwood  
(Radiological Analyses)

- In response to RAI question F.7, the licensee provided atmospheric dispersion factors for control room dose calculations in Table F-17. Please identify and discuss the source term release points for each event relative to control room air intakes
- Main Steam Line Break Accident/Steam Generator (SG) Tube Rupture Accident. What are the bases for assumed leak rate values of 0.5 gpm for the faulted SG and 0.658 gpm for the remaining SGs?
- LOCA
  - What is the physical location of the Containment Deck Fans?. Are they safety related? Where is the requirement for the flow rate of 65,000 cfm controlled?
  - Discuss the containment spray operational times (see page 6-672, last paragraph and those values in Table 6.7.8-1).
- Locked Rotor Accident/Locked Rotor Accident with failed open PORV
  - Please provide the bases for the assumptions of primary to secondary leak rates of 1 gpm total and 0.5 gpm/SG assumed for these accidents, respectively
  - Please provide the bases for the assumptions of the fuel rod fraction failures of 5% and 2% for these accidents, respectively
- Gas Tank Rupture
  - Discuss the dose acceptance criteria for gas tank rupture (page 6-687) as compared to the limit specified in Byron/Braidwood Technical Specification Section 5.5.12 (Administrative Controls).
- Liquid Waste Tank Rupture
  - Discuss the dose acceptance criteria for liquid waste tank rupture (page 6-691) and the limit specified in Byron/Braidwood Technical Specification Section 5.5.12 (Administrative Controls) as compared to those in SRP Section 15.7.3.