

**From:** Peter Tam  
**To:** INTERNet:leonardm@nimo.com, INTERNet:paget@nimo.c...  
**Date:** Fri, Oct 13, 2000 4:00 PM  
**Subject:** Request for conference call **(TAC MA9401)**

Steve:

Per your request, we are attempting to expedite our review of your amendment request regarding Generic Letter 99-02 (testing of charcoal filters). Please call me to set up a conference call to discuss the following questions regarding the Standby Gas Treatment System (SBGTS) and the Control Room Outdoor Air Special Filter Train System (CROASFTS), unless otherwise noted. We would like to have the conference call as soon as possible in order to support your proposed expedited review schedule.

These questions do not currently constitute any NRC staff position, nor do they formally request information at this time. They are provided solely to prepare you and your staff for a conference call, during which we will discuss the disposition of these questions (i.e., issue formal RAI, edit, or delete):

1) Requested Action 1 of GL 99-02 requested that each licensee provide the specific test protocol, temperature, relative humidity, charcoal bed depth, total residence time per bed depth, and penetration for each ESF ventilation system.

Please refer to or provide docketed information stating the following for each system:

- a) abcharcoal bed depth
- b) abtotal residence time per bed depth

2) Requested Action 2 of GL 99-02 states, "If the system has a face velocity greater than 110% of 0.203 m/s [40 ft/min], then the revised TS should specify the face velocity."

Please refer to or provide docketed information which indicates the actual system face velocity for the CROASFTS and describes how it is calculated for both systems. The actual system face velocities can be calculated by dividing the maximum accident condition system flow rates specified in the technical specification (TS) (nominal + typically 10% upper value) by the total exposed surface area of the charcoal filter media. (The guidance on calculation of the residence times in ASME AG-1-1997, Division II, Sections FD and FE, Articles I-1000, or in ANSI N510-1975 can be used to calculate the actual system face velocities). It should be noted that the face velocity should be consistent with the bed depth and residence time. (Bed Depth = Face Velocity x Residence Time)

3) In order for the staff to verify that a safety factor as low as 2 is used, the staff needs to know the charcoal adsorber removal efficiencies which are credited in the radiological accident analyses for organic iodide.

Please refer to or provide docketed information stating the credited organic iodide efficiency for each system.

**CC:** John Segala

**Mail Envelope Properties**

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**Subject:** Request for conference call **(TAC MA9401)**  
**Creation Date:** Fri, Oct 13, 2000 4:00 PM  
**From:** Peter Tam

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

<b>Recipients</b>	<b>Action</b>	<b>Date &amp; Time</b>
Post Office INTeRnet leonardm (INTeRnet:leonardm@nimo.com) paget (INTeRnet:paget@nimo.com) wolniakd (INTeRnet:wolniakd@nimo.com)	Transferred	10/13 4:00 PM
Post Office OWFN_DO.owf2_po JPS1 CC (John Segala)	Delivered	10/13 4:00 PM
<b>Domain.Post Office</b> INTeRnet OWFN_DO.owf2_po	<b>Delivered</b> 10/13 4:00 PM	<b>Route</b> INTeRnet:nimo.com OWFN_DO.owf2_po

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MESSAGE	4892	Friday, October 13, 2000 4:00 PM

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