

From: Raymond Lorson
To: James Trapp, Steven Long, Thomas Shedlosky
Date: Tue, Mar 21, 2000 8:41 AM
Subject: Re: Inputs needed for IP@ Tube Degradation Risk Estimate

Steve:

1. The SGTR initiating frequency is $1.3E-2/\text{yr}$ (I am not sure if this was the number that you were looking for).
2. The pre-scrum leak rate was 150gpm. The 112gpm is an artificial value that assumes the RCS was at 100F throughout the event.

Ray

>>> Steven Long 03/20 2:21 PM >>>
Jim & Tom,

I've drafted a risk assesment, considering spontaneous rupture and ruptures induced by steam system depressurizations, ATWS and high/dry core damage sequences.

In order to complete it, I'll need th following information form you:

1. IP2's spontaneous rupture frequency used in their PRA/IPE.
2. Best estimate of the pre-scrum leak rate from the rupture that occurred. (I've heard 112 gpm, most recently, but it wasn't attributed to a particular source.)
3. IP2's contibution to CDF from ATWS initiators.
4. Anything you already know about the hi/dry part of the CDF for IP2s PRA. (I don't think this can dominate the results of this risk, estimate, so I don't want to spend a lot of time working on the details associated with it. But, I would like to know it if we already know that there's something unusual about their PRA results in this area.)

I am also in need of information from DE about the strengths of the other tube flaws found by the inspection and from RES on the period of time that tube R2Cr was probably suceptible to the various mechanisms for inducing ruptures.

Let me have the info ASAP, piecemeal if necessary.

Steve

CC: F. Mark Reinhart, Peter Wilson

DD/7