

From: Timothy Collins <TEC@nrcsmtp.nrc.gov> *NRK*
To: OWFN_DO.owf2_po(gmh) *(G. Holahan) NRK*
Date: Thu, Jun 29, 2000 10:42 AM
Subject: Fwd: summary of issues attached

Gary,

Just a heads up. SRxb's analysis for the TWG study are coming up with surprising results. When the ACRS concerns regarding hydriding are modeled, the preliminary result is that a Zirc fire would occur at significantly less than 10 hours, and that the age of the fuel doesn't play a significant role.. (Attached is a summary from Joe).

The implications (if this is correct), is that basis for EP relaxations would be weakened at any point in time.

I have directed SRXB to scrub these results very thoroughly so that we have a clear understanding of the analysis, its assumptions and the basis for the assumptions. I don't think any other action is warranted at this point. Once we all agree on which analysis is appropriate, then we can determine the next steps.

Tim

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CC: OWFN_DO.owf4_po(JAZ,bws)

9/1/95

From: Gary Holahan <holahan@bigplanet.com>, *NHR*
To: OWFN_DO.owf2_po(TEC) *(T Collins) NHR*
Date: Mon, Jul 3, 2000 2:35 PM
Subject: [Fwd: Fwd: summary of issues attached]

Tim,

I got the SFP issues. I think that there is a general problem in all of these. We need realistic analyses to be used in combination with the event probabilities. Each of these issues seems to be addressed by looking at the most conservative assumptions (e.g. 2 microns vs. 2 - 20 microns ...).

I know that it difficult, but combining realistic event probabilities and conservative T-H calculations means that we are addressing even lower probability events.

If we can't do realistic analyses, then we need to look at a range of assumptions with a range of likelihoods. We can't assume that all the cases have a probability of one (e.g. maybe the SFP building will fall down (maybe not), that could be good or bad for ventilation...).

Joe and his contractor need to do enough calculations so that the TWG team can fold the analyses into the PRA calcs and the decision logic. Remember that we don't need to provide protection (or requirements) for E-07/yr or E-08/yr sequences.

Please forward my thoughts to TWG, TWG management ...

See you Wednesday.

Gary

CC: Paula Magnanelli <pmm1@nrc.gov>