

Attachment 5

From: W Troskoski
To: Andrew Persinko
Date: Mon, Jan 6, 2003 3:19 PM
Subject: Re: Fwd: MOX mtg summary

Drew,

Attached are Alex's and my comments. In addition to the attached, please add the following:

For item 10 - The Applicant identified 135 C as the initiation temperature for a "runaway" reaction. The staff's review identified two issues concerning the setpoint: (1) what is the effects of impurities (i.e., U, Pu, Fe) on the setpoint, and (2) what actions would limit any possible temperature excursions to the 135 C limit (i.e., mass available to react, etc), such that an appropriate margin or safety factor is maintained.

For the second comment to add to the attachment:

Item 15, MP-4 - In addition, DCS noted that potential specific controls for meeting hydrogen flammability limits (such as limiting the hydrogen content in the hydrogen-argon mixture, monitoring for oxygen within the furnace, monitoring for hydrogen outside of the furnace, and crediting dilution air flow associated with the HDE or VHD systems) were already identified as PSSCs in other safety strategies and, thus, there would be little or no impact of the specific control selection upon the design at the ISA stage.

Bill

CC: Alex Murray