

Attachment 4

From: Alex Murray
To: W Troskoski
Date: Mon, Jan 6, 2003 2:46 PM
Subject: Re: Fwd: MOX mtg summary

Bill,

FYI, as discussed for Item 15,

Alex.

Item 15 (MP-4): Add, "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 design at the ISA stage."

>>> Alex Murray 01/06/03 10:16AM >>>
Bill,

My thoughts on the attached:

Item 1 (CS-05): After "Radiological Release" (2nd sentence) add: "DCS expected any worker dose increases would be small and would not impact the Part 70.61 Performance Requirements."

Item 2 (CS-05): NRC staff mentioned the concern with TEEL-3 limits in particular and the recent increases in TEEL-3s. After the first sentence add: "NRC staff noted that several of the TEEL-3 limits in the October 2002 CAR have increased substantially as compared to prior values provided by the applicant and are (numerically) significantly greater than other levels of concern in the literature, such as IDLHs, proposed AEGLs, and STELs."

Item 3 (new issue): The over-pressure situation was to be addressed more formally. At the end of the first sentence, add "DCS noted that the calciner doesn't clearly fall into any specific section of the ASME code."

After the last sentence add, "DCS will evaluate this and include the calciner in the appropriate table of Section 11.8 for codes and standards that apply to fluid transport system components."

Item 4 (CS-02): Clarify the second sentence as follows: "Rather than using an instability index approach, DCS is performing experiments and developing an approach that controls nitrous acid and N2O4 concentrations by the addition and presence of hydrazine."

Item 10: This should be CS-01 not AP-01. Also, do you have attachment 5? Is Drew referring to the item we discussed on the Friday before Christmas? I thought the staff still had some concerns, such as the impurities bit and the temperature margin (135 C has no margin).

Item 11: It should read - "NRC provided the Hanford reference to DCS."

Item 13: I thought MP-1 would be linked to FS-1 (soot loading and hot particles) and closed at the same time.

Lets discuss when you have a moment,

Alex.