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To: Charles Tinkler, Glenn Kelly, GTH, Jared Wermiel, *NRC*
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Subject: partial draindown - GSI 82

Recently and in the meeting on Wednesday partial drain down was discussed, it was mentioned that GSI 82 dismissed partial drain downs. I looked into the reason...

NUREG/CR-0649 by SNL did some analysis on partial drain down. They concluded that :

1) "it is clear that an incomplete drainage can potentially cause a more severe heatup problem than a complete drainage" (if water level is between less than 10% of the fuel to the lower baseplate)

AND

2) "the clad oxidation effect has not been calculated for this case of incomplete drainage because it is believe to be substantially reduced by the unavailability of oxygen within the assembly"

4/2/6