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10/10/01
HTG Rx mtg

Undine

Kodak

think - Rx Kinetics code, we don't have it here

Meyer
owner guy
@ FSV, they had slow things that were a problem like component degradation - slow deterioration which creates fuel failure

Graphite is very dependent on how materials were made
burn on pore size + other things
old data may not be applicable to current graphite types

Rick's issue

10/11/01

Japan has not experienced SCC because they designed equip to match prior experience database level so impurities are low + match experience so can use database to qualify their stuff

graphite

large ∂ gradient off CR tips are a situation that can crack the graphite - creating high stress place that can be a problem.
Can make front part of reflector replacable so can change out to get rid of problem.

fuel pebble graphite will be different from med pebble graphite (mod is true graphite, fuel is not.)
ultrasonic is poor for graphite because need low freq to penetrate graphite + then resolution is poor. - think they use

10/11/01
(cont.)

graphite has a property to absorb water, so need to startup slowly to get rid of the water.

graphite is 2nd biggest source of tritium - after helium itself.

PBMR - immense concern w/ common cause failure of reflector which would take out both types of shutdown systems.

10/12/01

can

China relies on fuel so don't fuel need - based on German data

Russia has but now feels that they do not need based on fuel integrity

E St. Vain had a confinement - not a true can; because it could open + then close keeping a neg. pressure.

Germany has normal filters but they are not accident filters - based on calcs which showed had lots of margin to limits so got normal filters versus accident filters which cost much more - they do not have a P refining can so is confinement

Japan they have a can because built right after Chernobyl

S Africa bases on doses - dose criteria 50 mSv so if accident analysis shows meets requirements w/o can then no can needed.

license by test

IAEA - CRP-5

countries bring codes + run based on exp. parameters w then HTTR-10 + others will actually run experiments so can see what codes are good.

10/12/01 (cont.)

S Africa does not believe V/V of VSOP codes is good.

MIT planning to validate VSOP
Andy believes that US has no good codes, therefore, he thinks we need to use German based codes for analysis

Contact Marcia for copy of book