6/2/99

What you thought We found

Monday Meeting

numbers, but no criteria if ok.

λs
risk results] Not bogged down in details

A. interim 2-month study

Case 1, 2, 3 NET, Seismic only A. Comparable risks to Oper Rx early + latent

Given deterministic inputs (times to boil, time to fire)

B. Due to lack of redundancy + diversity
↓ time to boil from higher burnups, reracking, ?

C. 2-3 yr window after last fuel transferred from a reactor to the SFP before the decay heat is reduced to where there is high confidence it would take ≥ 10 hrs after fuel uncovery before a zircaloy cladding fire would start.

D. Land interdiction costs high even if evacuation is successful.

E. Having or not having EP makes little difference to population once have ≥ 10 hrs if fuel is uncovered. Heavy load drop or large seismic event could fail SFP (fast leak) → would have zirc fire in 5-7 hours. May be too short for effective ad hoc evacuation.

B/16

prob — totalish for 3 cases
~~[illegible]~~
typical plant

1)
2) ~~results~~ totals
3) % of contribution

4) Dilute Mike's Table

Less info is better

Variable numbers

Prob
or cancer (No Zinc)
or long lead time

Various assumptions about how bad
more dense - matters
low/mod burnup - higher - matters
plant designed + operated - not there - matters
(defense-in-depth)