

8/15 EXELON - PBMR

Rod Critch - coming on from Exelon Nuclear - will be lead for licensing (?)

Safety Classification - Regulatory Design Criteria

Design Basis Events -

Assumption on fuel quality & performance. => T.S.

PRA used to determine which equipment/design features keep events from exceeding DBE criteria.

Design Criteria Blend probabilistic & deterministic

Many will be like MHTGR

For MHTGR ^{NRC} staff postulated 7 "bounding" events (non-mechanistic)

Redundancy & diversity - will pass single failure criteria

Comparing PBMR design to previous HTGR designs

Operating problems addressed? Will in license application.

"Waste Fuel" - from MHTGR - anything like that?

Defense-in-Depth - more uncertainty requires more D-I-D.

until we know design - can't really address D-I-D

6/6/07

Not withstanding the license
NRC on Policy

Ed Lyman - NCI

- Applicant proposing licensing approach
Leads to implication that they are practicing
forth process that will make it easier for them
to get a license
- Proprietary info - for much held back from
public.
- Primary coolant system should be safety-related
- Fuel should be held to a higher standard
than LWR fuel.

Steve Antonelli -

Modular issues - will events involving more
than one reactor be addressed - Yes

Lesly
CA

Good approach to licensing. - should be commended
Identifies what important to safety
Fast predictability in process
Uses risk insights - but puts into current
framework
CA - supports process - they may follow.