

4/5/99

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Spent Fuel Pool mtg w/ NRR

Rick Barrett:

Friday morning 4/2/99:

Mtg w/ C. Holahan =>

FP releases

Offsite consequences

Criteria

Glenn Kelly (NRR PRA Branch)

Ed Throm (NRR PRA Branch)

Ed Connell (Fire Protection)

Glenn → Frequency of initiators

LERF

It is worse than this it's not OK
Otherwise, it's OK

Ed + Jason could look at back end.

J.e.: We are not making bounding assumptions.
We are doing best-estimate analysis.

C/4

Low-velocity releases

Source term

energy release, S.T.

how relates to large-scale release

high freq / low consequences

low freq / high consequences

time to start fire

What are our criteria?

How long would it take to get to a fireman's fire?

- How are we going to be generic?

Not risk informed, yet.

When can you get off safeguards + E.P.?

565°C - ONC criteria

~900°C - beyond oxidation

Would be useful to understand the consequences of a
2nd fire

10 hrs & heat up to 900 C.

Experiments: At what point, no problem

with risk:

Moisture: 22 months

CT: • Assume center type when the
• Grade for decay

Diam: EC requirements
ECSS requirements

Notes: Respond & SEM by June 18
1) Risk-informed basis for security applications?
2) What uncertainties remain?

CT:

* JNR will assist

Jasen will take the lead.

Consequences @ 3 months

@ 1 year

• give a sense of benefit from decay