

NOTES FROM MEETING  
Wednesday, April 19, 2000  
on Response to ACRS Letter

*use to ensure  
we have  
everything  
covered in  
final report*

Basic Questions to Address relative to ACRS Letter

1. What is the effect of ACRS issues on frequency of fuel uncover/zirconium fire?
2. Is the proposed pool performance guideline (LERF -  $1 \times 10^{-5}$ ) of acceptable?
3. Do we still believe we have 10 hours after fuel uncover to take evacuation actions before having a zirconium fire?
4. Can we truly walk away from the plant after 5 years of decay time considering a zirconium fire?

Prepare response to ACRS with following points:

Question #1 Answer: No, provide reasons why frequency is not affected - **input to George by Gareth/ Mike**

Question #2 Answer: PPG using LERF criteria is acceptable - explain why - **input to George by Mark /Charlie**

Issues to address: With or without ruthenium consequences are similar to operating reactor LERF

Based on findings of study, values at decommissioning plants are way below LERF values

Discuss that we will include the additional analysis on ruthenium and the implications of it in the final report.

Discuss that we will included data for 95% (vs 99.5% previously used) evacuation efficiency in final version of report.

Discuss potential for confirmatory research and/or ongoing research relative to plume and decrepitation (fines).

Discuss land contamination as policy issue.

Question #3 Answer: 10 hours is an acceptance time for ad hoc protective actions - **input to George by Joe/Farouk/Chris**

Provide data from ANL in response stating why hydride formation and other phenomena don't change 10 hours.

*0/1/69*

Discuss that additional discussion on concerns will be put in final report.

Is this an area for confirmatory research???????

Question #4 Answer: Discuss that chances for zirc fire after five 5 years is remote and why we believe 5 years is good. - **Input to George by Joe/Glenn**

Discuss that additional data will be put in final report, including additional work on partial drain down.

Acknowledge that we will look at performing confirmatory research. (Is this right ??????)

**Things to address in report:**

1. Provide more discussion of seismic and the associated conservatism, relating to how they impact the findings of report.
2. Discuss in report that no zirc fire at 5 years is not an absolute but explain why events that could lead to longer times (i.e. seismic with building collapse) drive the frequency of occurrence low enough that they can be considered incredible. Also, discuss draindown scenarios relative to events leading to zirc fires.
- 3.

**Attendees:**

Mark Rubin  
Goutam Bagchi  
Chris Boyd  
Joe Murphy  
Gary Holahan

Gareth Parry  
Glenn Kelly  
Farouk Eltawila  
Rich Barrett  
George Hubbard

Mike Cheok  
Joe Staudenmeier  
Charlie Tinkler  
John Hannon

Orange County Response to Shearon Harris Board

4/19/00

# Outline of Response Agreeable

Technical Story  
Previous decisions  
Implications

Brain questions on ACRAS letters

1. What is effect on Frog  
2. Acceptance - criteria

3. Do we still believe we have 1000s

4. Can you turn light out after 5 years

Estimate of Frog what we published is

what you get generally

Best discussion of science & communication  
in report.

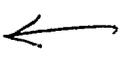
Not inconsistent

~~Technical story in report~~  
~~How safe are STP~~

Source Term has same

Its criteria of XIX-5 right

yes sources term of consequences  
= least



~~Mark  
 Garath  
 Mike  
 Geoff  
 Glenn  
 Joe  
 Chris Boyd  
 Frankie  
 Gary  
 Charlie  
 Joe Murphy  
 John  
 George  
 Richard~~

~~Rithenium due to inhalation notes  
 and confirmation~~

Answer is still 10's Gary  
 Logical

#2 Answer: yes  
 Confirmation research uncertainty

~~Should we put~~

~~Put Rithenium in discuss  
 Put Rithenium report in final part of discuss.  
 can presentation~~

★



We didn't address carefully 3yr  
10<sup>-5</sup> 10<sup>-6</sup>

What  
Express better our drain-down  
& 3yr other events

George

Q # 1

**NO**

what growth/m. like

Q # 2

Guid

Mark / Charlie

yes mathematics

consequence

way below

Rather in Report  
& 570

George

Plume / dec

confirmatory context

Land contamination  
before

Q # 3

10 hours in ACRS response

+ add words to report

Q # 4

More work in report

w

3 weeks ACK & LTR

2 months Report