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#### Spent Fuel Pool Accident Risk at Decommissioning Plants

David Lochbaum

Nuclear Safety Engineer

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# Summary

- O Risk stated in report is nonconservative because threat from sabotage was not analyzed.
- O Risk stated in report is non-conservative because it relies on invalid assumptions. What does this what does this what are they?
- Report should not be revised. Instead, Part 72 should be applied.



# Staff Finding

"The staff found that the event sequences important to risk at decommissioning plants are limited to large earthquakes and cask drop events." pg. ix



### Staff Not Looking

The risk analysis in this study did not evaluate the potential consequences of a sabotage event that could directly cause offsite fission product dispersal." pg. 4-15



### Au Contrare

"This level of security requires a site with a permanently shutdown site to provide security protection at the same level as for an operating reactor site." pg. 4-14



#### Au Contrare, cont.

#### BUT,

- OSREs don't test protection of spent fuel pools/casks at operating reactor sites
- ◇OSREs and security inspections are <u>not</u> conducted at permanently closed reactors
  THEREFORE: Spent fuel storage security is already less than operating reactor security.



#### Au Contrare, cont.

"There is a firewater hose station in the SFP [spent fuel pool] area." pg. 3-3

What are the chances of a single person, insider or uninvited guest, dropping one end of that hose into the water and siphoning the SFP water out?

Pid we cover? yes with alams, walkdowns dete we don't co-sider Slide 7 this to be a problem regardless of



### No Need?

"The staff report released today concludes that there is no immediate safety concern at decommissioned sites and thus no need for immediate regulatory action."



#### Need!

"[T]he nuclear industry, through NEI, made important commitments, which are reflected in the staff's updated risk assessment." pg. 3-5

"Without this credit, the risk is estimated to be more than an order of magnitude higher." pg 3-11



# Questions

Shouldn't the individual licensees, not NEI, make these commitments?

Could sincere workers at plant XYZ "undo" one or more of the ten commitments in a future cost-saving effort because they were not aware of NEI's pledge?



### Questions

If plant XYZ fails to meet NEI's commitments, will NRC take enforcement action against the plant or NEI?

The NRC's ultimate enforcement action for an operating plant is a shutdown order. What is the ultimate for a decommissioning plant?



### Conclusions

- ① Report demonstrates that spent fuel represents a risk that must be properly managed.
- ② Interactions to date suggest that report, if revised, may never apply to *any* plant yet alone <u>every</u> plant.



#### Recommendations

- ① Spent fuel pool risk at decommissioning plants should be properly managed under 10 CFR Part 72, not 10 CFR Part 50
- ② Safety analyses required by Part 72 must be plant-specific and include security evaluations