

**From:** Diane Jackson *NRR*  
**To:** Anthony Ulses, Brian Thomas, Edward Ford, Edwar...  
**Date:** Wed, Nov 24, 1999 7:32 AM  
**Subject:** Schedule for final TWG report

NRR TWG members:

I wanted to inform you of the final schedule for the issuance of the final report for the comment period and final issuance.

**Sections should be to me/SPLB by COB on Friday December 17th.** If you have results that must be integrated into a section (such as RES) - your input needs to be to the appropriate NRR TWG member prior to Dec 17th.

SPLB will mesh this into a report by COB Wednesday December 22nd. The report will go out for parallel NRR concurrence Thursday AM. NRR SCs and BCs should concur no later than COB December 30th - To make the concurrence process go as quickly as possible, **please brief your SCs and BCs so they know what to expect for your section of the report.**

SPLB will make branch-level changes on January 3 and get it to Gary on January 4th - Gary will have until January 7th to sign it out. Gary is sending it to John Zwolinski (DPLM) and they will issue the report through the Federal Register for comment.

**Attached is a draft of the report outline. - if you have any comments, please let me know.**

**If the baby arrives and I am not here, Tanya Eaton (SPLB) is in charge of the project in the office - please help her as much as you can.** After the issuance for draft for comment, I will coordinate the final report through the work-at-home program from mid-Jan to the end of the project.

**To issue the REAL final report:**

I believe the comment period is 45 days. That means the FR has to be out by January 14th to end the public comment period by the end of February. If projects can get it out earlier, then we will have a few more days.

TWG to make changes March 1 - 15th  
Changes to SPLB by COB Wednesday March 15th  
To SCs and BCs on Monday March 20th  
BC concurrence by COB Thursday 23th  
To Gary on Monday March 27th  
Sign out by Gary to Projects by March 31th

**ACRS schedule:**

The ACRS may wish to have subcommittee briefings in January in the Thermal hydraulics and PRA areas. Joe and Glenn would be in charge of these, respectively. I will check with Med, ACRS staffer, to see if they are interested in these briefings or not. We are on the ACRS full committee schedule for another briefing at the February 3-5 meeting

Thank you in advance for all of your hard work,  
Diane

**CC:** Christopher Boyd, Eric Weiss, Gary Holahan, Geo...

*m/47*

## FINAL Technical Study on Spent Fuel Pool Accident Risk at Decommissioning Plants REPORT OUTLINE

### Executive summary (Responsible branch: SPLB)

1. Introduction (SPLB)
2. Potential for runaway zirconium oxidation (SRXB)
  - a. Review of existing studies/work - including zirconium oxidation temp discussion (SRXB/SPLB)
  - b. Generic thermal hydraulic analysis
  - c. Recommendations
    - i. Criteria (temperature limit) for site-specific analysis
    - ii. Generic critical decay time
    - iii. Future research
3. Risk assessment (SPSB)
  - a. Review of existing studies
  - b. PRA analysis
  - c. Recommendations to address areas of concern & future research
4. Potential for criticality (SRXB)
  - a. Discussion of potential scenarios
  - b. Recommendations, if necessary
5. Normal operations:
  - a. Design basis accidents (SPLB)
  - b. Operational events that effect decommission plants (SPLB) (e.g., BUL 94-01)
  - c. Worker safety (IOLB)
  - d. Fire protection (SPLB)
  - e. QA (IQMB)
  - f. MR (IQMB)
  - g. Safeguards (IOLB)
  - h. Recommendations for normal operations (SPLB)
6. Risk-informed decision making (RI DM) (SPSB)
  - a. Discussion of principles of RI DM for decommissioning plants
  - b. Recommendations for RI DM
7. Summary & Conclusions (all/SPLB)
  - a. Combined results and recommendations on SFP accident risk
  - b. Recommendations for future research
  - c. Recommended interim criteria

### Appendices

1. Background for risk analysis - Seismic Events (DE/SPSB)
2. Background for risk analysis - Heavy loads (SPSB)
3. Background for risk analysis - Tornados (SPSB)
4. Background for risk analysis - Aircraft crashes (SPSB)
5. Background for risk analysis - Consequences (RES)

6. Adiabatic heatup calculation - historic info and discussion (SPLB)
7. Guidance from Part 72 - Independent Spent Fuel Storage Installations (SPLB)
8. Potential fire protection methods for mitigation of a fire (SPLB)

G:\SPLB\SECTIONA\DECOM.GRP\FINALoutline.wpd