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**To:** Brian Thomas <sup>-NRA</sup>, Chester Poslusny <sup>-NMSS</sup>, Christopher Boyd... <sup>RES</sup>  
**Date:** Thu, Aug 26, 1999 7:56 AM  
**Subject:** TWG Phase 3 schedule update

For your interest and information -

Attached is an updated schedule for the Technical Working Group. I am striking-out the actions that are completed.

We are, for the most part, on track. But the difficult task will is not really itemized - final recommendations. Please keep the final goals in mind as we progress through the process: (1) interim criteria for exemptions, (2) technical basis that is usable product for Projects to make decisions for rulemaking.

The **EP** branch is looking at additional consequence scenarios that they may need to make a determination on how much EP is needed with a low-likelihood event. This is somewhat new ground for EP, that usually does not base it's decisions for EP (or how much EP) just on probability. They generally look at "time to the release" as a gage. The EP branch is also looking into what type of cost information we have available.

RES is working on a more detailed report which will include more of the database used for their calculations. They are also adding in the 10 mile **consequences** (along with the 50 and 100 mile consequences) to the report.

A discussion on **Safeguards** will included in the final report, Bob Skelton will be working with us for this portion.

On 8/23, we had called with NEI to provide feedback on their **heavy loads** requests and proposals from the workshop. Ed Throm went back and looked at new navy data that was more specific to heavy load cranes, some information on actual cask loaded provided by NEI & NMSS, and the items that NEI considered to be upper bound rather than best estimate. The new number came out to be 1E-6. A factor of 2.5 lower than the draft study. Needless of say, NEI was disappointed we did not come out with a lower number. We encouraged NEI to submit any information or data that we had not used. Also, we asked that they submit suggested values for actions that they felt are not sufficiently accounted for in our PRA.

NEI says they will submit the **PRA** paper that was presented at the workshop by COB tomorrow,

The **HRA** plan proposed at the workshop had to be modified due to OGC concerns. We tried maintain the intent of the proposal (expert opinion with stakeholder involvement). Gareth Parry wrote a staff draft position and sent it to two staff contractors who are HRA-experts. This information was also released via Projects to the public to allow them to comment.

NEI's suggested **seismic** checklist was submitted on 8/13.

Tanya Eaton has been in charge of working with Larry Ruth to make sure the **contracts** get into place. All contracts are either started or in the process of starting with the exception of the high-expansion FP foam investigation. We are still looking for a mock-up of an assembly that can be used for the experiment. Currently, we are looking at Universities that may have one. If you have any suggestions, please send them to Tanya.

If you have **new sections** to write (Safeguards, Seismic, DBAs), please try to have them (at least a good draft) by the end of September so we can include them in the ITQR. Please e-mail them to me.

Thanks,  
Diane

9/1/99



**Decommissioning Plants Spent Fuel Pool Accident Risk Study**  
**INTERNAL NRC TRACKING**  
**PHASE 3 & ACTIONS ITEM PLAN**

Issue	Action	Respon. org	Expected date/status	Comments
Generic	add public groups to mailing list	DPLM	Completed	
	address areas outside of TWG scope	DPLM	to be addressed through rulemaking	QA, safeguards, TSs, 50.59
	what goes on when a plant is decommissioning.	DPLM		
	provide near-term plan	SPLB	August 6 C 8/13	
	management meeting on schedule & resources	DLPM / DSSA	decide-early-August	no reason to meet at this time
HRA	provide new plan for HRA	DSSA	August 6 C 8/13	OGC had FACA concerns w/HRA proposal
	NRC draft for NRC-contractor experts issued - publically available	DSSA	by August 16 C 8/19	NRC draft by Gareth
	comments by NRC-contractor experts and all other comments due	DSSA	September 10 9/17 - public	firm due date will be provided when draft issued
	issue final position	DSSA	mid-October	incorporate into ITQR / final report
Seismic	propose check list	NEI	August 6 C 8/13	include in ITQR / final report
	discussion of age-related degradation on SFP in report, including racks, structure, and liner.	DE	~9/30	include in ITQR / final report
	evaluate seismic vulnerability of transfer tube	DE	~9/30	include in ITQR / final report

PRA	<b>submit technical paper</b>	<b>NEI</b>	<b>August 6</b>	
	<b>provide PRA model to all interested parties</b>	<b>SPSB</b>	<b>As requested</b>	<b>requested by NEI C</b>
Heavy Loads	internal meeting	SPSB/ SPLB	July 22 C	(1) -0612 credit (2) upper bound
	requested info from NEI on 7/27	SPLB	draft info sent C	(1) actual cask moves; (2) plants w/ SFPC or LCA
	internal mtgs - assess new data	SPSB	August 3	navy data available
	meeting with SPLB and SPSB managers	SPSB/ SPLB	August 10; 17	
	meeting with Gary	SPSB/ SPLB	August 11; 19	
	<b>telecon w/ NEI on -0612 and "upper bound"</b>	SPSB/ SPLB	August 18 8/23	relooked at upper bound - NRC needs more work on -0612
Thermal Hydraulics	<b>provide SFP heat load data vs. ANS-based calculation</b>	<b>NEI/ MY</b>	<b>mid-August C</b>	<b>discuss in final paper</b>
	met with Gary	SRXB/ SPLB	July 27 C	agree on scope of T/H calculations
	est. PNNL contract	SRXB	August 13 C 8/3 - Form 173	T/H calculations
	T/H kickoff meeting	SRXB	August 9/10	
	Mid-meeting	SRXB	October	
	Final meeting	SRXB	November	
	Assessment complete	SRXB	late-November	contractor report due

Fire Protection	est. contractor & contract	SPLB	August / September	FP foam investigation
	Kick-off meeting	SPLB	October	
	Final meeting	SPLB	November	
	Assessment complete	SPLB	late-November	contractor report due
Safeguards	internal meeting	SPLB	<del>early-August C</del> 8/12	writeup ~9/30
	<b>additional discussion in report</b>	<b>SPLB/ SPSB</b>	~9/30	
DBAs	<b>additional discussion in report</b>	<b>SPLB</b>	~9/30	protection of plant workers, good practices
ITQR	est. contract INEEL	SPSB	Completed C 7/9 - Form 173	PRA +NEI paper
	est. contract Scientech	SPLB	August 13	T/H, FP, criticality - held for possible conflict of interest
	est. user need memo to RES	SPLB	<del>August 13 C</del> 8/3	general review of whole report
	est. user need memo to RES	DE	<del>late-August C</del> 8/18	seismic + NEI checklist
	kick-off meetings	all	August	in each area
	Mid-ITQR meetings	all	October	in each area
	Final ITQR meetings	all	November	in each area
	<b>Assessments complete</b>	<b>all</b>	<b>late-Novembe r</b>	contractor reports due
Criteria	internal meetings on criteria based on ITQR and add'l contractor and staff work	SPLB, SPSB, SRXB, RES, EP, PD Decom, et al.	as needed: October/ November/ December	
Publishing	Status briefings for ACRS and CRGR as needed	DLPM / DSSA	October / November	
	<b>final draft for comment</b>	NRC	<b>January 7</b>	
	<b>comment period ends</b>	public	<b>February 29</b>	
	<b>resolve or address comments</b>	NRC	<b>March</b>	
	<b>Issue FINAL</b>	NRC	<b>March 31</b>	

# Decommissioning Plants Spent Fuel Pool Accident Risk Study

## INTERNAL NRC TRACKING PHASE 3 AND ACTION ITEM SCHEDULE

Action items in **bold** are the public schedule

Original Schedule Dates	Add'l or Actual Date(s)	
<del>July 19</del>		<del>post-workshop meeting</del>
<del>July 20</del>		<del>internal meeting on HRA</del>
<del>July 22</del>		<del>internal meeting on heavy loads</del>
<del>July 27</del>		<del>meeting with Gary on T/H calculations and FP contracts</del>
<del>July 29</del>		<del>meeting with OGC on HRA</del>
<del>August 3</del>		<del>second internal heavy loads meeting</del>
<del>August 3</del>		<del>meeting with Gary on schedule (3:30)</del>
<b>August 3</b>		<b>NEI submitted SFP heat load data</b>
<del>August 6</del>	<b>8/17</b>	<del>NEI to submit seismic checklist</del>
<del>August 6</del>		<del>NEI to submit PRA technical paper</del>
<del>August 6</del>	<b>8/13</b>	<b>provide schedule for upcoming months with new HRA plan</b>
<del>August 10</del>		<del>meeting with SPLB and SPSB BCs on heavy loads</del>
<del>August 11</del>		<del>meeting with Gary on heavy loads</del>
<del>early August</del>	<b>8/12</b>	<del>meeting with Safeguards Branch</del>
<del>---</del>	<b>8/17</b>	<del>add'l meeting with SPLB, SPSB, EP, RES on consequences/</del>
		<del>heavy loads</del>
<del>August 16</del>	<b>8/19</b>	<del>issue preliminary HRA position to expert HRA- NRC contractors &amp; publically available</del>
<del>August 18</del>	<b>8/23</b>	<del>feedback to NEI on heavy loads: -0612 credit and upper bound (telecon)</del>
<del>---</del>	<b>8/25</b>	<del>SPLB meets with EP on exemption criteria &amp; resources</del>
<del>mid-August</del>	<b>---</b>	<del>contracts and user need memos in place for independent review:</del>
	<b>7/9</b>	<del>INEEL (for PRA),</del>
	<b>8/31</b>	<del>INEEL (for thermal hydraulics)</del>
	<b>8/25</b>	<del>Sciencetech (for criticality and FP only - delayed due to COI for T/H)</del>
	<b>8/3</b>	<del>RES (for general review)</del>
<del>mid-August</del>	<b>8/3</b>	<del>contract in place with PNNL for T/H calculations</del>
<del>late-August</del>		<b>begin independent reviews and additional technical work</b>
<del>late-August</del>		<del>choose contractor for FP foam investigation</del>
<del>late-August</del>	<b>8/18</b>	<del>user need memo in place for independent review by RES in seismic area</del>
<del>mid-September</del>	<b>9/10</b>	<b>NRC-experts' HRA comments due</b>
	<b>9/10</b>	<del>kickoff meeting with PNNL for T/H calculations</del>
	<b>9/17</b>	<b>public HRA comments due</b>
<del>early-October</del>		<del>mid-ITQR meetings with contractors</del>
<del>mid-October</del>		<b>complete HRA - final position issued</b>

October/ November		Status briefings to ACRS and CRGR as needed
late-November	<b>work</b>	<b>complete all independent reviews and additional technical</b>
December		<b>assess reviews and technical work - modify staff technical study as necessary</b>
January 7		<b>issue final report: Draft Final for Comment</b>
February 29		<b>end public comment period</b>
March 31		<b>issue final report</b>