

ADVISORY COMMITTEE ON REACTOR SAFEGUARDS

U.S. EPR Subcommittee Meeting

*Containment Technical Report and Analysis Methodologies*

SEPTEMBER 9, 2009

Commissioner's Conference Room, One White Flint Plaza  
11555 Rockville Pike

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**- AGENDA -**

Topics		Presenters	Presentation Time
1.	Introduction	Dr. D. Powers, ACRS	8:30 am – 8:35 am
2.	Overview	S. Sloan, AREVA NP	8:35 am – 8:50 am
3.	US EPR Containment Design and Analysis [OPEN] <ul style="list-style-type: none"><li>- Overview of containment features</li><li>- Review of containment response to postulated pipe ruptures</li><li>- Analytical methodology summary</li></ul>	M. Parece, AREVA NP	8:50 am – 10:00 am
	<i>Break</i>		10:00 am – 10:15 am
4.	US EPR Containment Design and Analysis [CLOSED] <ul style="list-style-type: none"><li>- EMDAP</li><li>- Evaluation model<ul style="list-style-type: none"><li>- Mass and energy release (RELAP5-BW)</li><li>- Containment pressure and temperature (GOTHIC)</li></ul></li><li>- Benchmarks</li><li>- Limiting large break LOCA results</li></ul>	M. Parece, AREVA NP	10:15 am – Noon
	<i>Lunch</i>		Noon – 1:15 pm
5.	US EPR Analysis Methodologies [OPEN] <ul style="list-style-type: none"><li>- Design Overview</li><li>- Selection of methodologies</li><li>- Overview of non-LOCA methodology</li><li>- Overview of Main Steam Line Break methodology</li></ul>	B. Salm, AREVA NP	1:15 pm – 2:15 pm

	<ul style="list-style-type: none"> <li>- Overview of fuel analysis methodologies <ul style="list-style-type: none"> <li>- Thermal hydraulic</li> <li>- Fuel mechanical</li> <li>- Neutronics</li> </ul> </li> </ul>		
6.	US EPR Analysis Methodologies [ <b>CLOSED</b> ] <ul style="list-style-type: none"> <li>- Control Rod Ejection</li> <li>- Large Break LOCA</li> <li>- Small Break LOCA</li> </ul>	J. Witter, B. Salm, AREVA NP	2:15 pm – 3:15 pm
	<i>Break</i>		3:15 pm – 3:30 pm
	US EPR Analysis Methodologies [ <b>CLOSED</b> ] <i>continued</i>		3:30 pm – 4:45 pm
7.	Subcommittee Discussion	Dr. D. Powers, ACRS	4:45 pm – 5:00 pm
	<i>Adjourn</i>		5:00 pm

**NOTES:**

- Portions of the meeting indicated will be closed to discuss proprietary information,
- During the meeting, **301-415-7360** should be used to contact anyone in the ACRS Office.
- Presentation time should not exceed 50 percent of the total time allocated for a given item. The remaining 50 percent of the time is reserved for discussion.
- Thirty five (35) hard copies of each presentation or handout should be provided to the Designated Federal Official at least 30 minutes before the meeting.
- One (1) electronic copy of each presentation should be emailed to the Designated Federal Official 1 day before the meeting. If an electronic copy cannot be provided within this timeframe, presenters should provide the Designated Federal Official with a CD containing each presentation at least 30 minutes before the meeting.