PMComanchePeakPEm Resource

From: John.Conly@luminant.com
Sent: Monday, July 13, 2009 6:01 PM
To: Monarque, Stephen
Cc: Donald.Woodlan@luminant.com; Matthew.Weeks@luminant.com
Subject: Agenda for Geology SSV
Attachments: Agenda.doc

The agenda for the Geology SSV is attached. Please note that the morning of the last day seemed too full, so we moved the NRC review of calculations to the afternoon. The agenda seems pretty crowded to get through all the technical discussions of specific details, but we will adjust as needed. We felt the high-level summary presentations of technical work conducted as part of the FSAR preparation would not add much value, especially to reviewers who have spent as much time reviewing the FSAR as these have. We have concentrated on discussion of the specific details as requested in the Needs List.

Required PPE for the borings inspection in the warehouse includes hard hats, safety glasses, and shoes with sturdy uppers (many athletic shoes do not have "sturdy uppers"). Luminant will provide hard hats and safety glasses, and will have gloves available for those handling the borings. Please provide a list of NRC personnel and consultants who will be entering the security area and going to the borings warehouse. The NRC attendance list is attached below for your use.

We are currently investigating the locations of the requested geological features and planning the route for the offsite field trip. We will also consider the need for food and water during the field trip. Please provide the number of NRC personnel and consultants attending the offsite field trip.

Dogan Seber, NRC
Laurel Bauer, NRC
Goutam Bagchi, NRC
Zuhan Xi, NRC
Frankie Vega, NRC
Carl Costantino, ISL
Thomas Houston, ISL
Stephen Harmsen, USGS
Kathleen Haller, USGS
Nick Beeler, USGS
Steven Monarque, NRC
Paul Kallan, NRC

The public meetings are scheduled in the NOSF Auditorium, which is in the building adjacent to the CPE Bldg. All other SSV discussions and reviews will occur in the CPE Bldg. As usual, the NRC will have a separate room for their use as a caucus/review room.

Thanks,

John Conly
COLA Project Manager NuBuild
Luminant Power
(254) 897-5256

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Tracking Status: None
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NRC GEOLOGY SAFETY SITE VISIT – JULY 27-30, 2009
COMANCHE PEAK NUCLEAR POWER PLANT UNITS 3 & 4

Monday, July 27, 2009

Topic	**SME**	**Time**
Welcome; Safety briefing	Woodlan	3:00 – 3:20
Core sample inspection	House	3:45 – 5:00
NRC caucus followed by debrief	All NRC; Monarque	5:00

Tuesday, July 28, 2009

Topic	**SME**	**Time**
Welcome and introductions	Woodlan, Monarque	8:00 – 8:15
Site briefing; safety reminder	Woodlan	
Field trip overview including brief discussion of site lineament investigations		8:15 – 9:45
Break		9:45 – 10:00
Field trip	Turner	10:00 – 6:00
A walk through of the site and visit the ultimate heat sink reservoir area near the Squaw Creek Reservoir and any areas where the shale layers may be exposed		
Visit Quaternary and Holocene deposits (Brazos and Paluxy rivers)		
Visit outcrop locations for the Glen Rose formation showing minor disruptions in bedding		
Visit a nearby lineament investigated as part of the site geology		
Lunch (for those not on field trip)		12:00 – 1:00
NRC caucus followed by debrief	All NRC; Monarque	6:00

NRC GEOLOGY SAFETY SITE VISIT – JULY 27-30, 2009
COMANCHE PEAK NUCLEAR POWER PLANT UNITS 3 & 4

Wednesday, July 29, 2009

Topic	SME	Time
Discuss specific details of the WLA field reconnaissance studies of the Mount Enterprise – Elkhart Graben (MEEG) system and the Criner fault		8:00 – 9:00
Discuss details of the work conducted for the lineament analysis, including field surveys, and any additional field confirmation surveys.		9:00 – 9:45
Break; Prepare for the public meeting		9:45 – 10:00
Public Meeting on FSAR 2.5.1 and 2.5.3		10:00 – 11:30
Lunch		12:00 – 1:00
Discuss specific details on maximum magnitude (Mmax) and probability of activities of key EPRI seismic sources		1:00 – 1:30
Discuss the importance of the Meers fault for the CPNPP site		1:30 – 2:00
Discuss details of the other significant seismic sources, such as the New Madrid fault, background sources, and results related to each individual source's contributions to the CPNPP hazard.		2:00 – 2:30
NRC will review the details of the site response analysis	NRC	2:30 – 3:00
Public Meeting on FSAR 2.5.2		3:00 – 4:30
NRC caucus followed by debrief	All NRC; Monarque	5:00

NRC GEOLOGY SAFETY SITE VISIT – JULY 27-30, 2009
COMANCHE PEAK NUCLEAR POWER PLANT UNITS 3 & 4

Thursday, July 30, 2009

Topic	SME	Time
Discuss specific details on bearing capacity, settlements, lateral earth pressures, slope stability analysis, shear wave velocity determinations and geotechnical attributes of the prevalent shale layers		8:00 – 8:30
Discuss the process of excavation to reach the limestone founding layer		8:30 – 9:00
Discuss the potential liquefaction of duct bank and buried safety related piping.		9:00 – 9:30
Discuss Engineering properties that will be needed to run confirmatory slope stability analysis and dynamic and static earth pressure analysis		9:30 – 10:00
Public Meeting on FSAR 2.5.4 and 2.5.5		10:00 – 11:30
Lunch		12:00 – 1:00
Review sample calculations of complete, static and dynamic, earth pressure against embedded walls and a comparison of pressure capacity of a critical embedded wall panel for the US-APWR design.	NRC	1:00 – 4:00
NRC caucus followed by debrief	All NRC; Monarque	4:00