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**To:** "Nanette Gilles" <NVG@nrc.gov>, Stephen Koenick <SSK2@nrc.gov>  
**Date:** Wed, Jul 31, 2002 6:23 AM  
**Subject:** ESP Schedule of Seismic & Geotechnical Activities

As discussed at our meeting on July 16, this email provides our ESP schedule of seismic and geotechnical activities. We understand the NRC will identify any activities that you are interested in observing, assessing, or discussing further. Note that we have suggested a schedule for pre-submittal meetings to discuss the results of the PSHA and ground motion studies. These are earliest expected dates for possible meetings. We can also discuss field program results adjacent to one of these meetings (if desired).

Geotechnical Engineering  
Field Program

Seismic field walkdown	(complete)
Drilling & sampling	22JUL -
16AUG	
CPT soundings	
(complete)	
Velocity testing	06AUG
- 09AUG	
Surveying	06AUG
- 09AUG	

Laboratory Tests

Standard testing	16AUG -
30AUG	
Dynamic testing	16AUG -
11OCT	

Geotechnical Evaluations

Update site and regional geology	02JUL - 09AUG
Assess liquefaction potential	12AUG -
23AUG	
Review allowable bearing	26AUG -
06SEP	
Evaluate dynamic stability	09SEP -
20SEP	

Seismic Hazards Evaluation

Seismic Source Characterization

Review of licensing and supporting documents	(complete)
Compilation and review of new data	(complete)
Update seismicity catalog	(complete)
Evaluation of existing SSC models	15JUL - 16AUG

Probabilistic Seismic Hazard Analysis	
Evaluate bedrock attenuation relations	(complete)
Compare sensitivity to EPRI model	15JUL - 23AUG
Identify controlling earthquakes	26AUG - 04SEP
ESPTF Utility Consultants discuss results	thru 05SEP
Internal reviews	06SEP -
20SEP	
Review results with NRC Technical Staff	Wk of 16OCT
Develop SSE Ground Motions	
Review and evaluate existing site data	(complete)
Develop site-specific response analysis	29JUL - 13SEP
Conduct site response analysis	16SEP - 04OCT
Develop SSE spectra	07OCT -
15OCT	
ESPTF Utility Consultants discuss results	thru 16OCT
Internal reviews	17OCT -
15NOV	
Review results with NRC Technical Staff	Wk of 20NOV

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**Subject:** ESP Schedule of Seismic & Geotechnical Activities  
**Creation Date:** Tue, Jul 30, 2002 4:27 PM  
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**Files**

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Part.001

image001.gif

Mime.822

**Size**

3788

27486

1877

37709

**Date & Time**

Tuesday, July 30, 2002 4:27 PM

**Options**

**Expiration Date:**

None

**Priority:**

Standard

**Reply Requested:**

No

**Return Notification:**

None

**Concealed Subject:**

No

**Security:**

Standard

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