

# Discussion on Seismic/Structural Design

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1. Introduction
2. Clarifications for Geology/Seismology Issues
3. Clarifications for Seismic Design Issues
4. Clarifications for Structural Design Issues
5. Clarifications for Other Design Issue
6. KHNP's Proposed Plan

# 1. Introduction (1/2)

## ❖ Interactions on APR1400 Seismic/Structural Design Issues

- 06/2013 : NRC Pre-application Audit
  - NRC provided 29 comments on the draft DCD
- 09/2013 : APR1400 DC Application
  - KHNP resolved all 29 comments and incorporated into the final DCD
  - KHNP applied for DC
- 02/2014 : NRC's Review Comments
  - NRC provided additional 33 comments on the final DCD related to seismic/structural design
  - 13 comments for DCD 2.5, 5 comments for DCD 3.7, 14 comments for DCD 3.8, the other 1 comment
- 02/2014 : 13<sup>th</sup> Pre-application Review Meeting

# 1. Introduction (2/2)

## ❖ Clarification on NRC acceptance review issues

- Total number of comments : 33 sub-items categorized as 4 areas
- Number of comments that need clarification : 0 item
- The objective of this meeting is:
  - To confirm if KHNP's understandings are correct
  - To confirm if the proposed response plans are acceptable

## 2. Clarifications for Geology/Seismology Issues (1/12)



## 2. Clarifications for Geology/Seismology Issues (2/12)



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## 2. Clarifications for Geology/Seismology Issues (3/12)

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## 2. Clarifications for Geology/Seismology Issues (4/12)

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## 2. Clarifications for Geology/Seismology Issues (5/12)

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## 2. Clarifications for Geology/Seismology Issues (6/12)



## 2. Clarifications for Geology/Seismology Issues (7/12)

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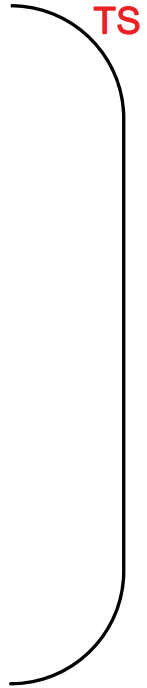
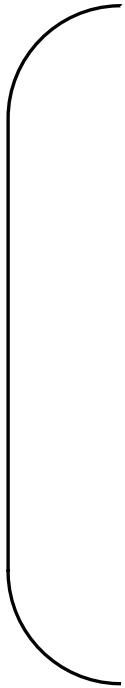
## 2. Clarifications for Geology/Seismology Issues (8/12)

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## 2. Clarifications for Geology/Seismology Issues (9/12)



## 2. Clarifications for Geology/Seismology Issues (10/12)



## 2. Clarifications for Geology/Seismology Issues (11/12)

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## 2. Clarifications for Geology/Seismology Issues (12/12)

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### 3. Clarifications for Seismic Design Issues (1/4)

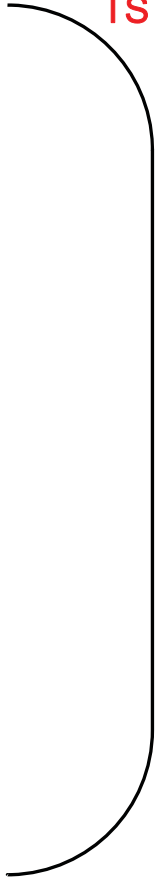
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### 3. Clarifications for Seismic Design Issues (2/4)

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### 3. Clarifications for Seismic Design Issues (3/4)



### 3. Clarifications for Seismic Design Issues (4/4)



## 4. Clarifications for Structural Design Issue (1/12)



## 4. Clarifications for Structural Design Issue (2/12)

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## 4. Clarifications for Structural Design Issue (3/12)

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## 4. Clarifications for Structural Design Issue (4/12)

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## 4. Clarifications for Structural Design Issue (5/12)





## 4. Clarifications for Structural Design Issue (6/12)

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## 4. Clarifications for Structural Design Issue (7/12)



## 4. Clarifications for Structural Design Issue (8/12)



## 4. Clarifications for Structural Design Issue (9/12)

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## 4. Clarifications for Structural Design Issue (10/12)



## 4. Clarifications for Structural Design Issue (11/12)

13<sup>th</sup> Pre-application Review Meeting

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## 4. Clarifications for Structural Design Issue (12/12)



## 5. Clarifications for Other Design Issue

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## 6. KHNP's Proposed Plan (1/2)

13<sup>th</sup> Pre-application Review Meeting

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## 6. KHNP's Proposed Plan (2/2)

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- ❖ Schedule is to be determined after the NRC meeting