

**NRC Feedback on “KHNP’s Draft Revised Response to RAI 199-8223, Question 3.8.1-13”
(Draft Response Provide 4/28/16)**

The staff evaluated the draft response to Question 3.8.1-13 and considered the response to be acceptable with the inclusion of the following items that are needed (in the official submittal) to capture all of the information that was provided in separate informal transmittals.

1. Include after the third sentence in the above response (after the Korean Brochure discussion), a sentence about the translation of the Korean Brochure for the VSL E6-42 system and refer to this translation which is already in Attachment 2 of the RAI response.
2. Include in the RAI response the discussion provided by KHNP in the Bi-weekly Seismic Call Agenda which is dated 2016-04-20. The three paragraphs there indicate:

KHNP Input

~~The translation of the VSL Korea brochure was provided on April 19.~~ The English version of the VSL brochure is summarized in the Korean version. The Korean version provides only one option of material properties without any other options. In this process, the different material was used to consider the local conditions.

The dimensions in certain anchorage types may vary with material properties including concrete compressive strength, yield strength of reinforcing steel and tendon stressing force. The dimensions which do not match between the VSL International and Korean brochures come from the difference of material properties applied in both brochures.

In general, dimensions of anchorage assemblies in the VSL brochures are standard detailing recommended by VSL. However, the dimensions of anchorage assemblies used in APR 1400 are calculated by the supplier to consider the actual material properties applied in the APR 1400. The actual material properties are described in DCD 3.8A.1.2.