

SCE Responses to Questions from the Public San Onofre Nuclear Generating Station

July 2015

1. Question: What type of geological survey for the new storage plan has been or will be done?
 - a. A full geological survey was performed for the new storage plan at San Onofre consistent with federal and state regulations. The survey included performing Standard Penetration Test (SPT) Borings to a depth of up to 100 feet. A seismic survey was performed to measure what is known as the “soil shear wave velocity” at a depth of 2 to 100 feet (shear wave velocity is an essential parameter for evaluating the dynamic properties of soil). Associated lab tests were performed on the samples collected to provide additional geotechnical parameters. The lab tests included Moisture Content, Gradation, Atterberg Limits, Direct Shear Test, Triaxial Testing, and Corrosivity Testing. The results confirm findings from the plant Final Safety Analysis Report and previous geotechnical exploration results for the existing Independent Spent Fuel Storage Installation (ISFSI) and confirm that the site is suitable for construction of the expanded ISFSI.

2. Question: Has a site survey been completed that insures the soils were compacted after Unit 1 was dismantled?
 - a. Yes. A soil exploration was performed to ensure that the soils in the area previously occupied by Unit 1 are suitable for the construction of the new storage plan. In addition, existing geotechnical reports, the plant Final Safety Analysis Report, and existing drawing and construction documents were reviewed to provide a full picture of soil conditions.

3. Question: During the dismantling of unit one was the any equipment or structures left below ground that would affect the Holtec design?
 - a. Holtec’s design of the San Onofre storage plan takes into account existing structures and/or equipment left in place during the decommissioning of Unit 1. The proposed location of the new storage plan was chosen to ensure there are no conflicts with existing left in place structures or equipment.

4. Question: I am certain a geological assessment/survey was (or would have been) required at the Unit 1 site in support of constructing the existing ISFSI structures following Unit 1 decommissioning. Could that report be supplied to the CEP?
 - a. A geotechnical investigation was performed for the existing ISFSI structures and documented in a Final Report Geotechnical Investigation of ISFSI, dated 11/1995 by Southern California Edison. The geotechnical report for Unit 1 is being supplied to CEP and the general public (see attachment).