

## DOCKETED

<b>Docket Number:</b>	16-IEPR-07
<b>Project Title:</b>	Nuclear
<b>TN #:</b>	212374-7
<b>Document Title:</b>	Data Response 4B
<b>Description:</b>	N/A
<b>Filer:</b>	Sabrina Savala
<b>Organization:</b>	Southern California Edison
<b>Submitter Role:</b>	Public Agency
<b>Submission Date:</b>	7/21/2016 9:19:48 AM
<b>Docketed Date:</b>	7/19/2016

*Southern California Edison*  
**2016 IEPR-Nuclear 16-IEP-07 CEC-SCE-001**

**DATA REQUEST SET 16-IEP-07 CEC-SCE-001**

**To:** CEC  
**Prepared by:** ACLlorens  
**Title:** MPP  
**Dated:** 05/25/2016

---

**Question 4b:**

***Section 2: Nuclear Power Plant Data Request for Diablo Canyon Power Plant and San Onofre Nuclear Generation Station. Progress in Spent Nuclear Fuel On-site Management***

**B. Spent Fuel Pool and Independent Spent Fuel Storage Installation - Diablo Canyon and San Onofre**

4b. Please provide updated tables on the status of spent nuclear fuel and current onsite storage capacity and a table summarizing the current spent fuel conditions including radiation levels. Tables on the current Independent Spent Fuel Storage Installation (ISFSI) should contain information on capacity, planned expansions and timetables, planned loading configurations and associated thermal loads, and estimated thermal loads of the current ISFSI multi-purpose canisters

**Response to Question 4b:**

The status of all of the spent fuel located at SONGS is provided in the response to Question 1a. Only SONGS 2&3 spent fuel remains in the spent fuel pools; SONGS 1, 2&3 spent fuel is located on the SONGS ISFSI; and additional SONGS 1 spent fuel is located at the GE spent fuel storage facility in Morris, Illinois. The SONGS ISFSI currently has 50 NUHOMS Advanced Horizontal Storage Modules (AHSM) containing canisters with spent fuel and one AHSM contains a canister with SONGS 1 GTCC waste. The ISFSI has an additional 12 NUHOMS modules available for storage of canisters. An expansion of the SONGS ISFSI is currently underway and once completed will provide space for 75 Holtec Underground MAXimum (UMAX) storage modules and Multi-Purpose Canister (MPC)-37 canisters. The expansion and storage modules provide sufficient storage for the SONGS 2&3 spent fuel remaining in the spent fuel pools and any GTCC waste from decommissioning. Based on the schedule for completing the expansion and bringing in the UMAX storage modules, in 2017 spent fuel from the spent fuel pools will begin to be moved to the ISFSI. By mid-2019, all the spent fuel identified in Question 2a, with the exception of the SONGS 1 spent fuel in Morris, IL, will be located on the SONGS ISFSI in AHSM and UMAX storage modules.

The Holtec MPC-37 canister will be used for loading the remaining spent fuel onto the ISFSI. The MPC-37 canister is capable of containing up to 37 spent fuel assemblies. The loading patterns for the canisters has not been finalized at this time. Based on the spent fuel assemblies remaining in the pools it is estimated that the maximum decay heat for an MPC-37 canister will

be no higher than 26 kW. The maximum design heat load for the MPC-37 canister is 35.3 kW.

All of the 50 NUHOMS canisters that are currently on the SONGS ISFSI are maintained in accordance with the NRC approved certificate of compliance and NRC requirements. The NRC has verified the heat load and radiological condition of the modules on the ISFSI by inspection and documented the inspections in reports dated February 13, 2014 (ML14045A317) and May 5, 2016 (ML16127A580).