

December 15, 2016

10 CFR 50.71(e)

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 20555

Subject: **Docket Nos. 50-361 and 50-362**
Updated Final Safety Analysis Report / Defueled Safety Analysis Report,
Revised November, 2016
San Onofre Nuclear Generating Station, Units 2 and 3

- References:
- 1) Letter from P. T. Dietrich (SCE) to U. S. Nuclear Regulatory Commission (Document Control Desk) dated June 12, 2013, Subject: Certification of Permanent Cessation of Power Operations, San Onofre Nuclear Generating Station, Units 2 and 3
 - 2) Letter from P. T. Dietrich (SCE) to U. S. Nuclear Regulatory Commission (Document Control Desk) dated June 28, 2013, Subject: Permanent Removal of Fuel from the Reactor Vessel, San Onofre Nuclear Generating Station, Unit 3
 - 3) Letter from P. T. Dietrich (SCE) to U. S. Nuclear Regulatory Commission (Document Control Desk) dated July 22, 2013, Subject: Permanent Removal of Fuel from the Reactor Vessel, San Onofre Nuclear Generating Station, Unit 2
 - 4) Letter from T. J. Palmisano (SCE) to U. S. Nuclear Regulatory Commission (Document Control Desk) dated February 11, 2015, Subject: Docket Nos. 50-361 and 50-362, Updated Final Safety Analysis Report and Updated Fire Hazard Analysis, Revised February, 2015, San Onofre Nuclear Generating Station, Units 2 and 3

Dear Sir or Madam:

In accordance with the requirements of 10 CFR 50.71(e), Southern California Edison (SCE) hereby submits the revision to the Updated Final Safety Analysis Report (UFSAR) for San Onofre Nuclear Generating Station (SONGS), Units 2 and 3. All UFSAR changes reflecting the SONGS Units 2 and 3 transition to a decommissioned state that were approved prior to November 30, 2016 have been incorporated.

A153
NRR

As part of the decommissioning planning process, SCE notified the NRC that it had permanently ceased operation of SONGS Units 2 and 3 (Reference 1) and certified both Units 2 and 3 have been permanently defueled (References 2 and 3). The irradiated fuel will be stored in the spent fuel pools (SFP) until the fuel is moved to the Independent Spent Fuel Storage Installation (ISFSI). In this configuration, the number of operable systems and credible accidents/transients is significantly less than for a plant authorized to operate the reactor or emplace or retain fuel in the reactor vessel.

Systems that no longer serve a function to support spent fuel management, storing or processing of radioactive waste, or are not required to support the current applicable Technical Specifications or Emergency Plan, have been identified as "Removed from Service." For those Systems identified as "Removed from Service," the design criteria, design basis, system description, system operation, system parameters, and safety evaluations have been deleted. Additionally, descriptions of equipment added due to modifications made to SONGS Units 2 and 3 supporting the decommissioned state have been added to the appropriate Chapters.

As a result of the large scope reductions occurring to reflect SONGS Units 2 and 3 being in a decommissioned state, a subtitle of Defueled Safety Analysis Report (DSAR) has been added to the UFSAR. The terms UFSAR and DSAR will be used interchangeably.

The changes made to the UFSAR/DSAR reflect a complete re-write of many chapters and updates to some of the Appendices. Information that had been previously addressed in multiple UFSAR Sections has been consolidated into single UFSAR Chapters. Because of the extent of the changes and the resulting reformatting and renumbering of the information provided in the UFSAR Chapters, it was not appropriate to annotate specific changes with revision bars. Therefore, no revision bars are included in the provided UFSAR/DSAR.

A list of changes for each Chapter of the UFSAR/DSAR is provided in Attachment 1.

Information which was originally provided in the UFSAR as part of the licensing basis for the SONGS Units 2 and 3 operating plants that: 1) is no longer relevant in the permanently shutdown and defueled condition; and 2) provides the bounding (initial) condition for Decommissioning and for which no updated values will be provided, have been transferred to SCE Controlled Document 90216, SONGS Units 2 and 3 UFSAR Historical Information.

The Updated Fire Hazard Analysis (UFHA) is not included in this submittal and is available for review.

Consistent with the regulations contained in 10 CFR 50.71(e), this update is being provided within 24 months following the previous update submitted on February 11, 2015 (Reference 4).

Enclosures 1 and 2 are disks containing the SONGS Units 2 and 3 UFSAR/DSAR.

Enclosure 1 of this submittal contains information that is deemed security-related sensitive information, and the files are requested to be withheld from public disclosure in accordance with 10 CFR 2.390.

Enclosure 2 provides the redacted version of Enclosure 1.

There are no commitments contained in this letter or its enclosures.

Should there be any questions regarding this submittal, please contact Mr. James Kay at (949) 368-7418.

I declare under penalty of perjury that the foregoing is true and correct.

Executed on 12/15/2016
(Date)

Sincerely,



Enclosure 1: Compact Disk, San Onofre Nuclear Generating Station Units 2 and 3 UFSAR/DSAR, Revised November 2016, Security-Related Information - Withhold Under 10 CFR 2.390

Enclosure 2: Compact Disk, San Onofre Nuclear Generating Station Units 2 and 3 UFSAR/DSAR, Revised November 2016, Redacted 10 CFR 2.390

Attachment 1: Summary of Changes to the Updated Final Safety Analysis Report / Defueled Safety Analysis Report

cc: K. Kennedy, Regional Administrator, NRC Region IV
M. Vaaler, NRC Project Manager, SONGS Units 1, 2 and 3
S. Y. Hsu, California Department of Public Health, Radiologic Health Branch

**Security-Related Information -
Withhold Under 10 CFR 2.390
Decontrolled Upon Removal of Enclosure 1**