UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

February 16, 2010

Mr. Ross T. Ridenoure
Senior Vice President and
Chief Nuclear Officer
Southern California Edison Company
San Onofre Nuclear Generating Station
P.O. Box 128
San Clemente, CA 92674-0128

SUBJECT: SAN ONOFRE NUCLEAR GENERATING STATION, UNIT 3 - SUMMARY OF THE STAFF'S REVIEW OF THE 2008 STEAM GENERATOR TUBE INSPECTIONS PERFORMED DURING CYCLE 15 REFUELING OUTAGE (TAC NO. ME1608)

Dear Mr. Ridenoure:

By letter dated April 28, 2009 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML091210114), Southern California Edison (the licensee) submitted information summarizing the results of the 2008 steam generator tube inspections at the San Onofre Nuclear Generating Station (SONGS), Unit 3, performed during the Cycle 15 refueling outage. In addition, the U.S. Nuclear Regulatory Commission (NRC) staff summarized some of the results of the 2008 inspections in a letter dated December 3, 2008 (ADAMS Accession No. ML083240811).

The NRC staff has completed its review of these reports and concludes that the licensee provided the information required by SONGS, Unit 3, Technical Specifications and that no additional follow-up is required at this time. The staff's review of this report is enclosed. If you have any questions, please contact me at (301) 415-4032 or via e-mail at randy.hall@nrc.gov.

Sincerely,

James R. Hall

James R. Hall, Senior Project Manager
Plant Licensing Branch IV
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket No. 50-362

Enclosure:
As stated

cc w/encl: Distribution via Listserv

STAFF EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

RELATED TO RESULTS OF STEAM GENERATOR TUBE INSPECTION

PERFORMED DURING CYCLE 15 REFUELING OUTAGE

SOUTHERN CALIFORNIA EDISON COMPANY

SAN ONOFRE NUCLEAR GENERATING STATION, UNIT 3

DOCKET NO. 50-362

By letter dated April 28, 2009 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML091210114), Southern California Edison (the licensee) submitted information pertaining to its 2008 steam generator (SG) tube inspections at the San Onofre Nuclear Generating Station (SONGS), Unit 3. Additional information is provided in the summary of the October 31, 2008, conference call that was held between the U.S. Nuclear Regulatory Commission (NRC) staff and the licensee dated December 3, 2008 (ADAMS Accession No. ML083240811).

SONGS, Unit 3 has two Combustion Engineering Model 3410 SGs. Each SG has 9,350 mill-annealed, Alloy 600 tubes. The tubes have an outside diameter of 0.75 inches, and a wall thickness of 0.048 inches. Carbon steel eggcrate tube supports, diagonal straps, and vertical straps support the tubes at various locations. The tubes were expanded through the full depth of the tubesheet using an explosive process.

The licensee provided the scope, extent, methods, and results of its SG tube inspections in the documents referenced above. In addition, the licensee described corrective actions (e.g., tube plugging) taken in response to the inspection findings.

The results of the 2008 inspection were similar to those in prior outages. No degradation of the batwing supports was observed. This is the last planned inspection of these SGs since they will be replaced during the fall 2010 refueling outage.

Based on a review of the information provided by the licensee, the NRC staff concludes that the licensee provided the information required by its technical specifications. The SG tube inspections at SONGS, Unit 3 appear to be consistent with the objective of detecting potential tube degradation and the inspection results appear to be consistent with industry operating experience at similarly designed and operated units.

Enclosure

February 16, 2010

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Southern California Edison Company
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P.O. Box 128
San Clemente, CA 92674-0128

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Sincerely,

/RA/

James R. Hall, Senior Project Manager
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ADAMS Accession No. ML100330323 *Concurrence by Memo

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