

## Southern California Edison Company

SAN ONOPPE NUCLEAR GENERATING STATION P. O. BOX 128 SAN OLEMEN . CALIFORNIA 92674-0128

R. M. KRIEGER

March 19, 1992

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

Subject: Docket No. 50-361 Chay Report Licensee Event Report No. 92-008 San Onofra Nuclear Generating Station. Unit 2

Pursuant to 10 CFR 50.73(d), this submittal provides the required 30-day written Licensee Event Report (LER) for an occurrence involving minor reactor coolant leakage through a pressurizer instrument nozzle due to stress corrosion cracking. This was initially identified at Unit 3; however, a subsequent inspection at Unit 2 identified two nozzles which exhibited similar signs of leakage. Since this occurrence involves similar systems, causes, and corrective actions applicable to Units 2 and 3, a single report for Unit 2 is being submitted in accordance with NUREG-1022. Neither the health nor the safety of plant personnel or the public was affected by this occurrence or condition.

If you require any additional information, please so advise.

Sincerely, Albriger

Enclosure: LER No. 92-008

cc: C. W. Caldwell (USNRC Senior Resident Inspector, Units 1, 2 and 3) J. B. Martin (Regional Administrator, USNRC Region V) Institute of Nuclear Power Operations (INPO)

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condition existed during Modes of reactor operation in which no primary pressure boundary leakage is allowed, Technical Specification 3.4.5.2.a. "Reactor Coolant System - Operational Leakage", is considered not to have been satisfied.

The observed leakage was attributed to primary water stress corrosion cracking (PWSCC) of the Inconel 600 material from which the nozzle was fabricated. This phenomenon had been previously identified as an industry problem associated with the use of Inconel 600 in the RCS. The leaking nozzle, as well as the remaining 3 vapor space nozzles in the pressurizer, were replaced with nozzles made from Inconel 690, a material less susceptible to PWSCC. Our preliminary evaluation, supported by detailed modeling and failure analysis performed by the Combustion Engineering Owners Group, has indicated that catastrophic failure of a nozzle with PWSCC induced cracking is highly unlikely. In addition, if catastrophic failure did occur, its consequences would be bounded by the existing small break loss of coolant accident analysis.

On 3/14/92, Unit 2 was shutdown for reasons unrelated to this event. A thorough inspection of the pressurizer vapor space instrument nozzles, prompted by the findings at Unit 3, revealed similar signs of rust and boric acid crystals at two of the nozzles. Although a detailed inspection has not yet been performed, it is likely that this leakage will also be attributed to PWSCC. An interim repair will be implemented prior to startup from the present outage. Upon completion of our evaluation, a supplement to this report will be submitted providing further discussion, as appropriate, of the cause(s), corrective action(s), and safety significance of these occurrences.