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October 18, 1984

Director, Office of Nuclear Reactor Regulation  
Attention: W. A. Paulson, Acting Chief  
Operating Reactors Branch No. 5  
Division of Licensing  
U. S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Gentlemen:

Subject: Docket No. 50-206  
Intake Structure Degradation and Repair  
San Onofre Nuclear Generating Station  
Unit 1

Reference: Letter, J. G. Haynes, SCE, to USNRC, Subject: LER No. 84-008,  
dated September 5, 1984

The San Onofre Unit 1 intake structure has recently undergone a modification program due to discovery of excessive rebar corrosion. The corroded rebar was discovered during maintenance of the saltwater cooling system when the stop logs which are normally used to dewater part of the intake would not properly function.

The tsunami gates were then used to dewater the structure for maintenance and to determine the cause and extent of the problem. The referenced LER was submitted as a result of investigations which concluded that the structure was in a significantly degraded state.

The enclosed report has been developed to describe the intake structure rebar corrosion and to give details of the repair program. The repairs to the structure were done under 10 CFR 50.59 as not involving an unreviewed safety question and therefore not requiring prior NRC approval. This report is being provided for information as committed in earlier meetings with the NRC staff on this subject.

The result of the repair program is that the intake structure will be able to continue to perform its safety function even considering a 0.67g Housner seismic event. A surveillance program to monitor any further corrosion is being developed and further modifications are also being considered to mitigate the corrosion. The surveillance program will be

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Mr. W. A. Paulson

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provided for your information 90 days prior to the next refueling outage.

If you have any questions in this matter or would like further information, please let me know.

Very truly yours,

*M. O. Medford*

cc: A. E. Chaffee (USNRC Senior Resident Inspector, Units 1, 2 and 3)  
J. B. Martin (Regional Administrator, USNRC Region V)