

*Southern California Edison Company*



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October 17, 1983

Director, Office of Nuclear Reactor Regulation  
Attention: Mr. D. M. Crutchfield, Chief  
Operating Reactors Branch No. 5  
Division of Licensing  
U. S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Gentlemen:

Subject: Docket No. 50-206  
Spent Fuel Storage Racks  
San Onofre Nuclear Generating Station  
Unit 1

In accordance with your request dated July 22, 1983, enclosed are the Bechtel calculations of the seismic adequacy of the spent fuel storage racks in the "as is" condition. These calculations indicate that with the two bent braces the racks in the "fully loaded" condition do not meet the seismic criteria in Section 9.2 of the San Onofre Unit 1 FSA. However, in the "as loaded" condition, the racks do meet this criteria.

It should be noted that these calculations are considered to be conservative since a number of factors are not included as indicated in the calculations. For example, factors which were not accounted for include the frictional resistance of the floor on the racks, the viscous drag forces of the water, a damping value greater than 7% and the increased load carrying capability of the struts due to actual material strength.

If you have any questions regarding these calculations, please let us know.

Very truly yours,

*M.O. Medford*

Enclosures

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Card Deck  
Drawing  
To: PM*

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ENCLOSURE 1

SAN ONOFRE NUCLEAR GENERATING STATION

UNIT 1

CONTENTS

- (1) Reevaluation Of the Spent Fuel Rack Framing  
Civil/Structural Calculations, (34 pages)
  
- (2) Vendor Drawings for the Spent Fuel Storage Racks  
Framing by Glenmart Co. Inc.  
Drawing numbers: LA-1842-R6  
LA-1842-2  
LA-1842-3  
LA-1842-1-R2

September 1, 1983