

December 28, 1981

Docket No. 50-206  
LS05-81- 12-085



Mr. R. Dietch, Vice President  
Nuclear Engineering and Operations  
Southern California Edison Company  
2244 Walnut Grove Avenue  
Post Office Box 800  
Rosemead, California 91770

Dear Mr. Dietch:

SUBJECT: SYSTEMATIC EVALUATION PROGRAM TOPIC III-8.A, LOOSE PARTS  
MONITORING AND CORE BARREL VIBRATION PROGRAM - SAN ONOFRE UNIT 1

Enclosed is a copy of our evaluation of Systematic Evaluation Program  
Topic III-8.A.

You are requested to examine the facts upon which the staff has based  
its evaluation and respond either by confirming that the facts are correct,  
or by identifying errors and supplying the corrected information. We  
encourage you to supply any other material that might affect the staff's  
evaluation of this topic or be significant in the integrated assessment of  
your facility.

The need to actually implement a Loose Parts Monitoring Program will be  
determined during the integrated plant safety assessment.

Your response is requested as soon as possible. If no response is received  
by the time the next phase of the integrated assessment of your facility  
begins, we will assume that you have no comments or corrections.

Sincerely,

Dennis M. Crutchfield, Chief  
Operating Reactors Branch No. 5  
Division of Licensing

Enclosure:  
As stated

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PDR ADDCK 05000206  
PDR

SEO4 Add: McVenna  
S/I  
Dsu USE ER(08)

cc w/enclosure:  
See next page

OFFICE	SEP: <i>emm</i>	SEP: <i>SL</i>	SEP: <i>BC</i>	SEP: <i>5 PM</i>	SEP: <i>ORB#5 C</i>	SEP: <i>SA: DL</i>
SURNAME	EMcKenna:dp	GCWalina	WRussell	WPaulson	DCrutchfield	GLainas
DATE	12/22/81	12/22/81	12/22/81	12/22/81	12/28/81	12/29/81



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BUREAU OF LAND MANAGEMENT  
WASHINGTON, D.C.

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Mr. R. Dietch

cc

Charles R. Kocher, Assistant  
General Counsel  
James Beoletto, Esquire  
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San Clemente, California 92672

Mission Viejo Branch Library  
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Mission Viejo, California 92676

Mayor  
City of San Clemente  
San Clemente, California 92672

Chairman  
Board of Supervisors  
County of San Diego  
San Diego, California 92101

California Department of Health  
ATTN: Chief, Environmental  
Radiation Control Unit  
Radiological Health Section  
714 P Street, Room 498  
Sacramento, California 95814

U. S. Environmental Protection Agency  
Region IX Office  
ATTN: EIS COORDINATOR  
215 Fremont Street  
San Francisco, California 94111

## SYSTEMATIC EVALUATION PROGRAM

### TOPIC III-8.A

#### SAN ONOFRE 1

TOPIC: III-8.A, LOOSE PARTS MONITORING AND CORE BARREL VIBRATION PROGRAM

#### I. INTRODUCTION

The purpose of this topic is to review the inservice surveillance program to detect loose parts and excessive motion of the main core support structure. The objective is to detect loose parts or excessive vibration before they can cause flow blockage or mechanical damage to the fuel or other safety related components.

#### II. REVIEW CRITERIA

Standard Review Plan (SRP) Section 4.4, Regulatory Guide (R.G.) 1.133.

#### III. RELATED SAFETY TOPICS AND INTERFACES

V-1 Compliance with codes and standards (10 CFR 50.55a).

#### IV. REVIEW GUIDELINES

See Evaluation.

#### V. EVALUATION

##### 1. LOOSE PARTS MONITORING:

R. G. 1.133, "Loose-Part Detection Program for the Primary System of Light-Water-Cooled Reactors," Revision 1, describes features for monitoring loose parts within the reactor coolant pressure boundary (RCPB). These features include sensors strategically located on the exterior surface of the RCPB capable of detecting acoustic disturbances, specifications for system sensitivity, alert levels, data acquisition modes and other system and procedural requirements. San Onofre 1 does not have a loose parts monitoring program that meets the criteria of this guide.

##### 2. CORE BARREL VIBRATION:

This issue is only a problem for Combustion Engineering built plants.

VI. CONCLUSION

1. A Loose Parts Monitoring Program, (i.e., detection system and procedures as specified in Section C.2 and C.3 of R.G. 1.133, Rev. 1) as currently required for new facilities does not exist at the San Onofre Unit 1 facility. The need to actually implement a Loose Parts Monitoring Program will be determined during the integrated assessment.
2. The core barrel vibration issue has been deleted for San Onofre 1.