

83-947-000

# SIEMENS-ALLIS

Siemens-Allis, Inc.  
223 Perimeter Center Parkway  
P.O. Box 89000  
Atlanta, Georgia 30338  
(404) 393-8200  
Telex: 810-757-3663

*Send to DE marked*  
*1. ST*

July 29, 1983

*2. EJ*

Mr. Richard DeYoung  
Director, Office of Inspection  
and Enforcement  
Washington, D.C. 20555

*3. RDI*

Dear Mr. DeYoung:

Confirming my telephoned report of July 27 to Mr. Bob Baer, Chief, Engineering and Generic Communications Branch, I am enclosing the written Defect and Noncompliance Notification with regard to motors supplied for San Onofre Units 2 and 3. Please let me know if you have any questions.

Sincerely,

*Robert D. Bradley*

Robert D. Bradley  
Consulting Engineer  
Quality Assurance Service

RDB:js  
Enclosure

8308170036 830729  
PDR ADOCK 05000361  
S PDR

IE20  
11

DEFECT AND NONCOMPLIANCE NOTIFICATION

10 CFR PART 21

---

Complete the following. If more space is required, use additional pages as required with a reference in the appropriate section. Identify attachments using the Roman numeral identification of the applicable section.

I. INDIVIDUAL IDENTIFICATION

State the name, title, and address of the individual or individuals informing the Nuclear Regulatory Commission.

Name: Kenneth H. Diekroeger

Title: Group Executive & Vice President, Motor and Generator Group

Address: Siemens-Allis, Inc.  
223 Perimeter Center Parkway  
Atlanta, Georgia 30345

II. ITEM IDENTIFICATION

Identify the facility, the activity, or the basic component supplied which fails to comply or contains a defect.

Auxiliary Feedwater Pump Motors (as originally supplied)\*  
San Onofre Nuclear Generating Station  
Units 2 and 3

\*These motors no longer contain the defect reported in this Notification. See item VII.

III. FIRM IDENTIFICATION

Identify the firm supplying the component which fails to comply or contains a defect.

Siemens-Allis, Inc.  
Medium Motor-Generator Division  
4620 Forest Avenue  
Norwood, Ohio 45212

DEFECT AND NONCOMPLIANCE NOTIFICATION

10 CFR PART 21

---

IV. HAZARD IDENTIFICATION

Identify the nature of the defect or failure to comply and the safety hazard which is created or could be created by such defect or failure to comply.

Motor bearings had oil ring groove inadequately machined in upper half of bearing possibly resulting in inadequate lubrication and premature bearing failure. Motor would then be incapable of performing its safety related function.

V. DATE IDENTIFICATION

State the date on which the information of the defect or failure to comply was obtained.

Determination of possible defect made by Siemens-Allis, Medium Motor-Generator Division, Material Review Board on 7-25-83.

VI. NUMBER AND LOCATION IDENTIFICATION

In the case of a basic component which contains a defect or fails to comply, list the number and the location of all such components in use at, supplied for, or being supplied for one or more facilities or activities subject to the regulations of 10 CFR Part 21.

This bearing is used in 30 frame AZ and 30 frame AZZ motors only. The only nuclear plant to receive Class 1E motors of either of these models with the deviant bearings is Southern California Edison's San Onofre units 2 and 3.

DEFECT AND NONCOMPLIANCE NOTIFICATION

10 CFR PART 21

VII. CORRECTIVE ACTION

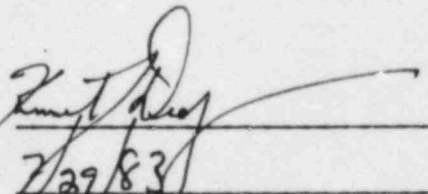
Describe the corrective action which has been, is being, or will be taken; identify the name of the individual or organization responsible for the action; and state the length of time that has been or will be taken to complete the action.

1. Nondefective replacement bearings have been installed at the job site in all of the motors supplied by Siemens-Allis.
2. Bearing vendor will be issued Corrective Action Request by 7-29-83 with response required by 8-26-83 (by Siemens-Allis Medium Motor-Generator Division Quality Assurance Department).
3. Siemens-Allis in Medium Motor-Generator Division Inspection Department will be issued Corrective Action Request by 7-29-83 with response required by 8-12-83 (by Siemens-Allis Medium Motor-Generator Division Quality Assurance Department).

VIII. RELATED ADVICE

List any advice related to the defect or failure to comply about the facility, activity, or basic component that has been, is being, or will be given to purchasers or licensees.

The customer has been informed of the bearing problem and the corrective action taken.

Approved and  
submitted by: 

Date: 7/29/83