Central Files

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U. S. Nuclear Regulatory Commission
Office of Inspection and Enforcement
Region V
1990 North California Boulevard
Suite 202, Walnut Creek Plaza
Walnut Creek, California 94596

Attention: Mr. R. H. Engelken, Director

Docket No. 50-206
San Onofre - Unit 1

Dear Sir:

I.E. Bulletin 80-09
Hydramotor Actuator Deficiencies

Reference is made to your correspondence of April 17, 1980, which forwarded the subject IE Bulletin. This bulletin identified potential deficiencies in Models AH-90 and NH-90 Series Hydramotor Actuators manufactured by ITT General Controls (ITT-GC).

Responses to individual items are listed below in the order given in the Bulletin:

Item 1: "Each licensee and each holder of a construction permit should determine whether any safety-related system or component in the facility uses an AH-90 or NH-90 series Hydramotor Actuator manufactured by ITT General Controls."

Response: We have inspected the operators for all safety related hydraulically actuated valves installed at San Onofre Unit 1. It has been determined that no ITT-GC hydramotor actuators have been used. No other equipment at our facility utilizes this type of actuator.

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Item 2: "Operating facilities using said actuators in safety-related systems should:

a. Review system functional testing to determine that equipment using the subject actuators are periodically tested.

b. Examine test records to determine whether the functional test results conform to system requirements.

c. Verify that ample margin exists with respect to thrust delivered to the load for long term operation considering improper spring material and methods used to select the actuator for a particular application.

d. Take any corrective actions required by the results of items a, b and c above."

Response: This item does not apply to San Onofre Unit 1.

Item 3: Facilities with construction permits using said actuators in safety-related systems should:

a. Re-evaluate actuator size selection in light of the possibility of using actuators with defective springs or which were sized by the "Selection Nomograph" without accounting for internal friction and hydraulic resistance. Said re-evaluation should assure that the actuators will perform their intended function.

b. Modify equipment qualification, preoperational and startup test programs, as necessary, to demonstrate the functional adequacy of the Hydramotor Actuator in light of the aforementioned concerns. Particular attention should be given to the possibility of defective springs taking a permanent set.

Response: This item does not apply to San Onofre Unit 1.

If you have any questions or require additional information concerning this response to IE Bulletin 80-09, please contact me.

Sincerely,

K P Baskin

K. P. Baskin
Manager, Nuclear Engineering
and Licensing

cc: L. Miller - USNRC Resident Inspector