



ARKANSAS POWER & LIGHT COMPANY
POST OFFICE BOX 551 LITTLE ROCK, ARKANSAS 72203 (501) 371-4000
April 16, 1980

1-040-07

Director of Nuclear Reactor Regulation
ATTN: Mr. R. W. Reid, Chief
Operating Reactor Branch #4
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Subject: Arkansas Nuclear One-Unit 1
Docket No. 50-313
License No. DPR-51
Fire Protection Item 3.15 - Reactor
Coolant Pumps
(File: 1510, 2040)

Gentlemen:

As required by the Fire Protection Safety Evaluation Report for ANO-1, the following information is provided to describe the modification performed on the ANO-1 reactor coolant pumps (Table 3.1, Item 3.15).

The following pictures, figures and attachments are enclosed.

- Picture 1 - This picture shows the top of the reactor coolant pump (RCP) motor. Vents are shown on the top of the motor. Also shown is the housing that conceals the piping associated with the motor's oil system.
- Picture 2 - This picture shows one side of the RCP motor. Shown in the picture are the two (2) backstop pump motors and the upper oil retention pan which circles the motor. Refer to attachment 5, attachment 2, and figure 5 for additional information including piping arrangement behind the motor housing.
- Picture 3 - This picture again shows the backstop pump motors and the upper oil retention pan. To the right of the pump motors is one of two (2) upper bearing oil coolers. Refer to figure 9, attachments 2, 3, and 4 for additional details.

800422047

- Picture 4 - This picture shows the 1 inch diameter drain line coming from the upper oil retention pan. Also shown in this picture are the lower portions of the motor.
- Picture 5 - This picture shows the intermediate oil retention pan just below the oil gauge, fill line and drain lines for the lower bearings. Refer to attachments 1, 2, and 6 for additional details.
- Picture 6 - This picture shows the D. C. high pressure oil lift pump motor and the upper bearing oil gauge and fill line. Refer to figures 3, 4, and 7, and attachments 1, 2, 3 and 7 for further details.
- Picture 7 - This picture shows the view looking down on the RCP. Shown in this picture are the A. C. and D. C. high pressure oil lift pump motors, the RCP motor housing and the upper oil retention pan.
- Picture 8 - This picture shows the lower oil retention pan.
- Picture 9 - This picture shows one of the two (2) oil collecting tanks for Unit-1. One tank serves two (2) RCP's. These tanks are 30 inches in diameter and 5 feet long.
- Picture 10 - This picture shows one of the two (2) one inch drain lines coming from the upper oil retention pan. The upper bearing oil gauge and fill line are also shown.

Due to the large volume of material involved only ten (10) copies of this letter and enclosures are provided. Should you feel additional copies are needed by your staff for their review, please contact us.

We request that your review of the attached material be completed as soon as possible so that this item can be closed out prior to October 1, 1980.

Very truly yours,

David C. Trimble

David C. Trimble
 Manager, Licensing

DCT:DEJ:ms

Enclosures