



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

April 26, 1983

*L. Brown*  
*→ Murray B*

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Mr. John T. Collins  
Regional Administrator  
U. S. Nuclear Regulatory Commission  
Region IV  
611 Ryan Plaza Drive, Suite 1000  
Arlington, TX 76011

APR 28 1983

SUBJECT: Arkansas Nuclear One - Units 1 & 2  
Docket Nos. 50-313 and 50-368  
License Nos. DPR-51 and NPF-6  
NPDES Noncompliance Report

Gentlemen:

Attached are two copies of the NPDES Noncompliance Report. This report is being submitted in accordance with NPDES Permit Number AR0001392, Part II, Paragraph A.2.

Very truly yours,

*John R. Marshall*  
John R. Marshall  
Manager, Licensing

JRM:SAB:s1

Attachments

cc: Director of Nuclear Reactor Regulation  
ATTN: Mr. J. F. Stolz, Chief  
Operating Reactors Branch #4  
Division of Licensing  
U. S. Nuclear Regulatory Commission  
Washington, DC 20555

Director of Nuclear Reactor Regulation  
ATTN: Mr. Robert A. Clark, Chief  
Operating Reactors Branch #3  
Division of Licensing  
U. S. Nuclear Regulatory Commission  
Washington, DC 20555

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ARKANSAS POWER & LIGHT COMPANY

FIRST NATIONAL BUILDING/P.O. BOX 551/LITTLE ROCK, ARKANSAS 72203/(501) 371-7901

JOHN M. GRIFFIN  
Vice President  
Nuclear Operations

April 20, 1983

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LIGHT CO.  
Nuclear Operations

CL-83-195

Mr. Dick Whittington  
Regional Administrator  
United States Environmental Protection Agency  
Region VI  
First International Building  
1201 Elm Street  
Dallas, Texas 75270

REFERENCE: Arkansas Nuclear One  
NPDES Permit Number ARO001392

Dear Mr. Whittington:

This letter represents a noncompliance report as required by Part II, Paragraph A.2 of the above-referenced Permit.

On April 13, 1983, routine analysis of a sample from outfall 003, the oily water separator, revealed an average oil and grease concentration of 25 mg/l and a pollutant load of 27.9 lbs per day. The permit limits for oil and grease (parameter) are 15 mg/l, 25 lbs/day, and 20 mg/l, 33 lbs/day, daily average and daily maximum, respectively. All other parameters were within permit limits.

Investigation of this violation has revealed the cause to be related to a bearing failure on the Unit One turbine at this station. Oil escaped from this bearing into the turbine building sump where it drained into the oily water separator. Upon detection of this exceedence, the wastewater was rerouted to the emergency wastewater holding pond. At the same time, the unit was shut down for repair of the turbine bearing. Later, monitoring revealed that this outfall was back within permit limits by 9:00 p.m. on April 13, 1983.

It should be noted that considerable effort was expended to prevent the bearing lubrication oil from entering the floor drains by erecting barriers to retain the oil. The relative success of the effort can be measured by considering the total available amount of oil that could have entered the drains and the concentration detected at the outfall. When the bearing failed, approximately 200 gallons of oil were released; as previously indicated, only 25 mg/l was detected at the outfall. Retained oil was collected and disposed by way of our waste oil tank.

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Mr. Dick Whittington  
April 20, 1983  
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As preventative and corrective measures, we are cleaning the turbine building sump, and are in the process of repairing the turbine bearing. These actions should mitigate against a recurrence of this type violation.

Very truly yours,

*M L Pendergrass*  
for John Griffin

JG/DLS/twr

cc: Messrs. J. L. Maulden  
C. L. Steel  
J. D. Phillips  
M. L. Pendergrass  
D. L. Swindle  
W. G. Coleman  
J. M. Levine  
T. C. Baker  
J. R. Marshall (NRC) ✓  
Dr. Phyllis Garnett (ADPC&E)