

Docket No. 50-313

DEC 14 1976

Arkansas Power & Light Company  
ATTN: Mr. J. D. Phillips  
Senior Vice President  
Production, Transmission and  
Engineering  
Sixth and Pine Streets  
Pine Bluff, Arkansas 71601

Gentlemen:

The August 30, 1976, Semiannual Environmental Monitoring Report for Arkansas Nuclear One - Unit 1 described three abnormalities. These abnormalities were not described in sufficient detail to permit the MRC staff's determination of their significance. Accordingly, we have forwarded several questions as an attachment to this letter. It is requested that you respond to these questions within 30 days of receipt of this letter.

Sincerely,

Original Signed by  
Dennis L. Ziemann

Dennis L. Ziemann, Chief  
Operating Reactors Branch #2  
Division of Operating Reactors

Enclosure:  
Request for Additional  
Information

cc w/enclosure:  
See next page

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Arkansas Power & Light Company

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DEC 14 1978

cc w/enclosure:

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ENCLOSURE

QUESTIONS CONCERNING ABNORMALITIES REPORTED

IN ARKANSAS NUCLEAR ONE - UNIT 1 SEMIANNUAL ENVIRONMENTAL REPORT

In the Semiannual Environmental Monitoring Report for Arkansas Nuclear One - Unit 1, dated August 30, 1976, several points should be clarified as requested below:

1. On page 47 it is stated that "Large hydra were found feeding on larval fish in Area C (Discharge Cove) during May 1976."
  - a. Is this unusual for Southern reservoirs?
  - b. If it is, could the fish populations of the reservoir be affected?
  - c. Is it because of plant operations?
2. On page 47 it is stated that "The June 1976 meter net samples from all areas of the reservoir produced 30 percent to 60 percent larval fish with raised areas or growths over the body or spinal curvature."
  - a. Is this abnormality likely to be due to plant operation, and if so, what plant-related factors have caused it? If not, what other factors have caused it?
  - b. Is this abnormality likely to significantly affect the populations of the reservoir?
  - c. Does this observation invalidate previous analyses made by you concerning the impact of Unit 1 on the reservoir?
3. On page 50 it is stated that "On almost every collection trip from mid-May through June, dead but not deteriorated mussels were observed floating in every area of the reservoir."
  - a. Is this abnormality likely to be due to plant operation, and if so, what plant-related factors have caused it? If not, what other factors have caused it?

- b. Is this abnormality likely to significantly affect the mussel populations of the reservoir?
- c. Is this related to the larval fish abnormality?
- d. Does this observation invalidate previous analyses made by you concerning the impact of Unit 1 on the reservoir?