



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

January 12, 1984

2CAN018404

Mr. Darrell G. Eisenhut, Director
Division of Licensing
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, DC 20555

SUBJECT: Arkansas Nuclear One - Unit 2
Docket No. 50-368
License No. NPF-6
Change to IAEA Design Information
Questionnaire (DIQ)

Gentlemen:

The completed Arkansas Nuclear One - Unit 2 IAEA Design Information Questionnaire (DIQ) was provided to your office by our letter dated August 22, 1983 (2CAN088314). Since that time, a minor modification has been completed in the procedure for receipt and storage of fresh fuel. Attached are amendments to Attachments 10.9 and 55.6 of the DIQ which reflect these modifications.

Path 1 described in Attachment 10.9, "Table of ANO-2 Paths of Nuclear Material" has been revised to indicate that fresh fuel may be stored in the new fuel storage pit or moved directly from receipt/inspection to the spent fuel pool for storage. Attachment 55.6, "Procedure for Fresh Fuel Vault Inventory" has been altered to indicate that new fuel storage pit inventories will be taken only if fuel is actually stored in the pit.

Additional information is also provided for paragraph 58 in the DIQ regarding possible shipment of individual fuel rods for examination under a DOE sponsored high burnup test program. Please replace the affected pages of the DIQ with those attached.

8401170351 840112
PDR ADOCK 05000368
F PDR

Very truly yours,

John R. Marshall
Manager, Licensing

Adol
1/11

JRM:JC:sc

ATTACHMENT 55.6

PROCEDURE FOR FRESH FUEL VAULT INVENTORY (sub-item IV)

Arkansas Nuclear One-Unit 2 does not customarily use the New Fuel Storage Pit to store any nuclear materials. After inspection of new fuel, the assemblies are usually placed in the spent fuel pool, and inventory of the new fuel is included in the inventory of the spent fuel pool. However, if the New Fuel Storage Pit is used, the inventory of the new fuel is done separately.

ATTACHMENT 10.9

TABLE OF ANO-2 PATHS OF NUCLEAR MATERIAL
(Referencing Drawings 10.3 - 10.8)

- PATH 1. Receipt of Fuel to Fresh Fuel Storage
Truck (E3)* → Laydown Area → Disassembly → Fuel Handling Crane →
New Fuel Elevator (E6) → Spent Fuel Handling Machine (E6) →
Spent Fuel Storage Racks (E3, E4, E5, E6) or New Fuel Storage Pit (E3, E4, E5, E6)
- PATH 2. Fresh Fuel Storage to Reactor Core
Fresh Fuel (E5) → New Fuel Elevator in Spent Fuel
Pool (E6) Via New Fuel Crane → Spent Fuel Handling
Machine (E6) → Spent Fuel Upending Machine (E4) → Fuel
Transfer Tube (E4) Via Carriage → Fuel Upender (E4) →
Refueling Machine (E5) → Reactor Core (E5)
- PATH 3. Reactor Core to Spent Fuel Storage
Reactor Core (E5) → Refueling Machine (E5) → Fuel Upender (E4) →
Fuel Transfer Tube (E4) Via Carriage → Spent Fuel Pool (E4) →
Spent Fuel Handling Machine (E6) → Spent Fuel Racks (E3, E4, E5, E6)
- PATH 4. Spent Fuel Storage to Shipment
Spent Fuel Racks (E3, E4, E5, E6) → Spent Fuel Handling
Machine (E6) → Spent Fuel Shipping Cask (E3, E4, E5, E6) →
Cask Washdown Area (E6) → Rail (E3) or truck (E3)

*Alphanumerics in parenthesis indicate the elevation drawing showing the location along the path.

OPTIONAL INFORMATION

SEE OPTIONAL INFORMATION FORM
that the operator considers relevant to
understanding the facility.

Although Arkansas Nuclear One does not intend to ship irradiated fuel assemblies off-site until the Department of Energy shall obtain possession in the interest of placing them in a spent fuel depository, selected rods from assemblies involved in a DOE sponsored high burnup program may be shipped off-site for hot cell examination. In the event that this shipment does take place, detailed procedures shall be developed well in advance.

Signature of Responsible Officer:

*Michael J. Smith*Date: *8/22/83*