

ARKANSAS POWER & LIGHT COMPANY
POST OFFICE BOX 551 LITTLE ROCK, ARKANSAS 72203 (501) 371-4422

January 21, 1980

WILLIAM CAVANAUGH III
Vice President
Generation & Construction

1-010-18

Director of Office of Administration
ATTN: Mr. William O. Miller, Chief
License Fee Management Branch
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

POOR ORIGINAL

Subject: Arkansas Nuclear One - Unit 1
Docket No. 50-313
License No. DPR-51
NAC-1 Cask Handling

(File: 1510, 3830, 1511.1)

Gentlemen:

Per your request of December 12, 1979, enclosed is a check for \$8,300 to support your continued review of our application for unlimited use of the NAC-1 cask. As previously discussed, the staff has determined that this is a Class IV (complex) review and has applied the \$4,000 submitted August 17, 1978, toward the required fee. However, we still contend that this request involves only a single safety issue.

Your letter of March 5, 1979, stated your basis for the Class IV review as follows:

"Since you have requested unlimited use of the cask, the staff considers the likelihood of a cask drop to be significantly increased if repeated operations/uses are allowed. Because the consequences of a cask drop greater than 9 inches such as you propose could result in the cask breaking through the floor and disabling equipment in its path of fall which, in turn, could affect the ability to safely shutdown the plant, the NRC review will include assessment of the cask dropping through the floor. As such, the review will focus on all the equipment and electrical circuitry beneath the areas of the cask travel path and the consequences of damage to such equipment. This type of review will involve more than one safety issue and is considered complex."

1816 292 33.5
8001280

January 21, 1980

While our request for unlimited use of the cask may increase the likelihood of a cask drop, we propose the following in order to expedite your review:

"To preclude the possibility of cask drop heights exceeding those assumed in our cask drop analyses, while the cask is being transported over the operating floor, we propose to disable the hoist raising and lowering circuits once the cask has been raised to the proper elevation."

As we have previously provided adequate assurance that the floor will withstand the postulated cask drop (per the Staff Safety Evaluation of Amendment No. 36 to the ANO-1 Tech Specs, dated October 5, 1978), we feel this measure will eliminate the necessity for your review to focus on the equipment and circuitry beneath the areas of the cask travel path and/or the consequences of damage to such equipment. Therefore, we have not provided detailed information on this equipment as delineated in our March 22, 1979, letter.

In response to your request for our plans and schedules for future use of the NAC-1 cask, the following is provided.

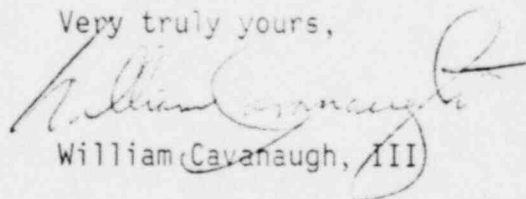
We presently have twelve spaces in the ANO-1 spent fuel pool occupied by burnable poison rod assemblies (BPRA's) and sixty-eight spent fuel assemblies with BPRA's in them. We also have fifty-six more BPRA's in the reactor. We want to have the capability of shipping these BPRA's during 1980 or early 1981.

The ANO-1 spent fuel pool also has two spaces occupied by spent incore detectors. We want to ship these during the summer of this year (1980).

ANO-1 presently has a demonstration fuel assembly in the reactor. We want to ship this assembly to Babcock & Wilcox for their use in their high burnup program during the time frame of 1982-83.

Finally, when we begin to ship spent fuel, we will have many spent control rods, orifice rods, and axial power shaping rods that will need to be shipped off-site for permanent storage as early as 1985.

Very truly yours,



William Cavanaugh, III

WC:ERG:skm

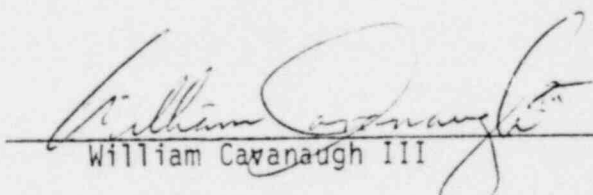
Enclosure

1816 293

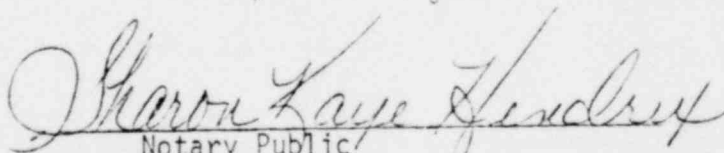
STATE OF ARKANSAS)
COUNTY OF PULASKI)

SS

William Cavanaugh III, being duly sworn, states that he is Vice President, Generation & Construction, for Arkansas Power & Light Company; that he is authorized on the part of said Company to sign and file with the Nuclear Regulatory Commission this Supplementary Information; that he has reviewed or caused to have reviewed all of the statements contained in such information, and that all such statements made and matters set forth therein are true and correct to the best of his knowledge, information and belief.


William Cavanaugh III

SUBSCRIBED AND SWORN TO before me, a Notary Public in and for the County and State above named, this 21 day of January 1980.


Notary Public

My Commission Expires:

My Commission Expires 9/1/81

1816 294