

FEB 16 1978

The Honorable John Paul Hammerschmidt
United States House of Representatives
Washington, D.C. 20515

THIS DOCUMENT CONTAINS
POOR QUALITY PAGES

Dear Congressman Hammerschmidt:

This is in response to your January 10, 1978 request for a response to a concern raised by one of your constituents, Mr. Jim Wisnia, regarding Arkansas Nuclear One - Unit No. 1 (ANO-1), in Russellville, Arkansas. Mr. Wisnia requested information regarding the disposal of radioactive waste from ANO-1, which is currently the only operating plant on the two-unit site (construction of ANO-2 is nearing completion).

The nuclear wastes generated by the operation of ANO-1 may be classified in two categories: high level waste and low level waste. High level waste consists of the fission product radioactivity contained in the spent fuel assemblies that are removed from the reactor core after about three years of reactor operation. Approximately one third of the 177 fuel assemblies in the reactor core are removed at the end of each operating cycle. To date no fuel assemblies or other source of high level waste have been shipped from the ANO-1 site.

The low level wastes generated at ANO-1 consist mainly of contaminated solid waste generated during maintenance operations, contaminated or irradiated components that are replaced, spent resins from various demineralizers used for water purification, and low level or potentially contaminated material such as protective clothing, paper, rags and gloves. In addition, several shipments of low radioactivity water were made during 1976 in order that enough clean waste receiver tank storage capacity would be available to continue operation. These shipments were necessitated by two unrelated operating events which resulted in excessively large amounts of waste water.

These low level waste shipments were made to licensed radioactive waste burial grounds and other authorized receipt points at the following locations.

**Note Change in Last Paragraph -- Cleared w/ R. Snaider (NRR)

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SEE PREVIOUS YELLOW FOR CONCURRENCES

OFFICE →	OCA				
SURNAME →	S. Kent				
DATE →	dah 2/14/78			8004280	JOO U

<u># of Shipments</u>	<u>Destination</u>
11	Moorehead, Kentucky
18	Barnwell, South Carolina
51	Galveston, Texas
4	Beatty, Nevada
2	Vallecitos, California
18	Sheffield, Illinois

The shipments were transported from ANO-1 to the above licensed burial grounds and authorized receipt points by truck. The radioactive waste is packaged in accordance with NRC and Department of Transportation regulations for shipment to the burial areas which are under state or federal control. If required by the level of radioactivity and the specific radionuclides present, these wastes are packaged in shielded leak tight containers that assure that radiation exposures to the transport personnel and members of the public are maintained at a very small fraction of the exposures that are received by natural sources or medical exposures.

The radioactive waste is packaged at the ANO-1 site under the supervision of the ANO-1 Health Physics staff. This staff is managed by an individual who is required by the terms of the ANO-1 Operating License to have the following qualifications.

- a. A bachelor's degree or the equivalent in a science or engineering subject, including some formal training in radiation protection.
- b. At least five years of professional experience in applied radiation protection. (A master's degree may be considered equivalent to one year of professional experience, and a doctor's degree may be considered equivalent to two years of professional experience where course work related to radiation protection is involved.)

OFFICE →						
SURNAME →						
DATE →						

- c. At least three years professional experience in applied radiation protection work in a nuclear facility dealing with radiological problems similar to those encountered in nuclear power stations, preferably in a nuclear power station.

We hope that this information is responsive to your request.

Sincerely,

William J. Dircks
 Assistant Executive Director
 for Operations

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DATE →	/ / *	/ / *	/ / *	/ / *	2/3/88	2/19/88

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- c. At least three years professional experience in applied radiation protection work in a nuclear facility dealing with radiological problems similar to those encountered in nuclear power stations, preferably in a nuclear power station.

We hope that this information is responsive to your request.

Sincerely,

Enclosures:

- 1. Mr. Wisnia's letter
dtd. 12/12/77
- 2. Mr. Reid's letter
dtd. 1/10/78

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*Discussed
 2nd of with
 Mike Bell
 acting for Bishop
 in NMS problem*

med 2/3/78
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 1/17/78
 1/1

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