



Commonwealth Edison
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Jul 24, 1978

Mr. Leland C. Rouse
Fuel Processing & Fabrication
Branch Chief
Division of Fuel Cycle and
Material Safety
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Subject: LaSalle County Station Units 1 and 2
Supplemental Information concerning
Application for Special Nuclear
Material License
NRC Docket Nos. 50-73 and 50-374

Reference (a): L. C. Rouse letter to M. S. Turbak
dated June 19, 1978

Dear Mr. Rouse:

Reference (a) transmitted a request for additional
information concerning the NRC Staff review of the LaSalle
County application for a Special Nuclear Material
License. Enclosed is the requested additional information.

Six (6) copies of this letter are provided for
your use.

Please address any questions concerning this subject
to this office.

Very truly yours,

M. S. Turbak

M. S. Turbak
Nuclear Licensing Administrator
Boiling Water Reactors

enclosure

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ENCLOSURE

QUESTION 1

Confirm that construction and inspection of all storage racks will be complete before fuel assemblies are received. Indicate the total number of storage spaces available.

RESPONSE

All Unit 1 Spent Fuel Pool and New Fuel Vault rack installation and inspection will be completed prior to the storage of the fuel assemblies in these racks. The current construction schedule also calls for the installation and inspection of Unit 2 Spent Fuel Pool racks prior to storage of Unit 2 fuel. However, if these racks are not available due to construction delays, there is sufficient capacity in the New Fuel Vault and Unit 1 Spent Fuel Pool to store the fuel assemblies from both units. The storage rack capacities as listed in Chapter 9 of the LSCS FSAR are as follows:

Unit 1 spent fuel storage pool - 1080 spaces
Unit 2 spent fuel storage pool - 1080 spaces
New Fuel storage vault - 620 spaces

As indicated in the initial license application, Commonwealth Edison wishes to retain the option to store the fuel in an alternate, outside storage location.

QUESTION 2

Describe in greater detail, taking into account the status of construction of the plant, the security measures to assure that only authorized personnel have access to fuel and fuel storage areas. Identify the authorized personnel.

RESPONSE

There will be watchmen stationed at each functional entrance to the fuel storage area. All other entrances to the area will be secured. Personnel access to the fuel storage area will be restricted by means of an authorized entry list. This list will be reviewed and updated periodically and will receive final approval from the Security Administrator and the Station Superintendent.

Personnel on the authorized entry list will include:

- (1) CECO, personnel who have work related assignments on the refuel floor and have been designated by their supervisor,
- (2) Contractor personnel who may be required to complete construction activities and have been designated by CECO, management personnel.

QUESTION 3

Justify the nuclear safety of 16 fuel assemblies in two transfer baskets.

RESPONSE

Each fuel transfer basket will hold a maximum of four metal shipping containers (MSC). Each MSC contains two fuel assemblies and are licensed as described in our license application under NRC Certification #2986, Rev. 1 Docket #71-4986. The fuel assemblies will remain in the MSC until they are on the refuel floor. The four MSCs are loaded on the transfer basket in a vertical position, diametrically opposed with the closest spacing between the MSCs being approximately 1.5 feet. Only one transfer basket will be in transit from the trackway to the refuel floor at any one time.

QUESTION 4

Provide an estimate of the construction status of both units and justify your need for obtaining licenses for storage of fuel for both units at the same time.

RESPONSE

Our project schedule indicates that fuel receipt for Unit 1 is to begin in early December of this year and Unit 2 is to begin in late March of next year. The schedule projection is based on the fact that all major construction and pre-operational tests necessary for fuel receipt will have been completed. Our fuel storage contract with General Electric coincides with this schedule and we must be able to accept shipment of the fuel at this time.

Since both dates are relatively close we are requesting our SNM license for both units at the same time.