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AUG 07 1978

PP

MEMORANDUM FOR: R. Reid, Chief, ORB#4, DOR

FROM: G. Knighton, Chief, Environmental Evaluation Branch, DOR

SUBJECT: SHIPMENT OF SPENT FUEL FROM CRYSTAL RIVER 3 TO OCONEE

PLANT NAME: Oconee Nuclear Station, Units 1, 2 and 3

DOCKET NUMBERS: 50-269, 50-270, 50-287

RESPONSIBLE BRANCH: ORB #4

PROJECT MANAGER: M. Fairtile

REVIEW STATUS: EEB - Continuing

The Environmental Evaluation Branch has reviewed the July 5, 1978 submittal from Duke Power Company which requested authorization for Oconee Nuclear Station to receive up to four spent fuel assemblies from the Crystal River Unit 3 core. Additional information identified in the enclosure is needed to continue our review.

Original signed by
 George W. Knighton
 G. W. Knighton, Chief
 Environmental Evaluation Branch
 Division of Operating Reactors

Enclosure:
 As stated

cc: V. Stello
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 B. Grimes
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SURNAME	J. Donohew/vg	L. Barrett	G. Knighton		
DATE	8/4/78	8/6/78	8/7/78		

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QUESTIONS CONCERNING MOVING SPENT FUEL
FROM CRYSTAL RIVER 3 TO OCONEE

1. Discuss the occupational exposure for the movement of four spent fuel assemblies from Crystal River 3 to Oconee. Address the expected dose rates in the vicinity of the spent fuel pools at each plant, number of workers involved at each plant and occupancy times for each phase of the operation. Include moving the cask into the fuel building, placing the fuel in or removing it from the cask, and removing the cask from the building. Provide the resultant man-rem exposure.
2. Provide the details for transporting the spent fuel from Crystal River 3 to Oconee (e.g., route, distance, mode of transportation, etc.). Provide the expected man-rem exposure to workers transporting the spent fuel and to the population on the route. Address the expected dose rates, number of people involved, and occupancy times.
3. Provide the burnup and age of the four spent fuel assemblies to be shipped from Crystal River 3 to Oconee.