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TO:

Mr. Benard C. Rusche

FROM:

Duke Power Company
Charlotte, North Carolina
Mr. William O. Parker, Jr.

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1/4/77

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DESCRIPTION

Ltr. re our 11/16/76 ltr. and their 12/9/76
ltr....trans the following:

PLANT NAME:

Oconee Units 1-2-3.

(2-P)

ENCLOSURE

Consists of responses to questions
constituting the substance of their
proposed integrated reactor vessel
material surveillance program at the
Crystal River site...

ACKNOWLEDGED

(26-P)

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FOR ACTION/INFORMATION

ENVIRO 1/13/77

RJL

ASSIGNED AD:

☒ BRANCH CHIEF:

Schwencer (5)

☒ PROJECT MANAGER:

Zech

☒ LIC. ASST. :

Sheppard

ASSIGNED AD:

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REG V. IE

IA PDR

CONSULTANTS:

BROOKHAVEN NAT. LAB.

ULRIKSON (ORNL)

206

may

DUKE POWER COMPANY

POWER BUILDING
422 SOUTH CHURCH STREET, CHARLOTTE, N. C. 28202

WILLIAM O. PARKER, JR.
VICE PRESIDENT
STEAM PRODUCTION

January 4, 1977

TELEPHONE: AREA 704
373-4083

Mr. Benard C. Rusche, Director
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Attention: Mr. A. Schwencer, Chief
Operating Reactor Branch #1

Reference: Oconee Nuclear Station
Docket Nos. 50-269, -270, -287

Dear Mr. Schwencer:

Your letter of November 16, 1976 pointed out that exemptions from the provisions of 10CFR50, Appendix H had been issued to permit the operation of Oconee Units 1, 2 and 3, respectively for their present fuel cycles with the reactor vessel material specimens removed from their reactor vessels. It was stated that review of a course of action other than reinstallation of specimens in the vessel from which they were removed may require an extended period of time on the part of the staff. Accordingly, our plans for obtaining compliance with 10CFR50, Appendix H were requested, and if other than reinstallation in the original vessel was chosen, additional information was to be provided.

Our letter dated December 9, 1976 stated that it is our intention to continue the irradiation of the Oconee surveillance capsules in a reactor of similar design. To this end, an agreement in principle has been reached with Florida Power Corporation for the irradiation of Oconee capsules in the Crystal River, Unit 3 reactor vessel. It is expected that this agreement will be formalized in the near future. The attached responses to questions constitute the substance of our proposal to NRC to permit this integrated reactor vessel material surveillance program at the Crystal River site. In the attached, host reactor and guest reactors are Crystal River 3 and Oconee, respectively. Formal proposal of this program and the necessary Technical Specifications will be submitted in the near future.

Your letter also requested a description of any additional programs that we plan to implement to satisfy the fracture toughness requirements of Appendix G to 10CFR50. Such a program would involve additional surveillance capsules irradiated at operating reactors and/or test reactor. We

Mr. Benard C. Rusche
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have participated in the B&W User's Group effort toward such a program. At this time, no formal agreement for such a program has been reached. Information on this program will be provided when available.

Very truly yours,

William O. Parker, Jr.

William O. Parker, Jr.

by JHJ

MST:ge