APR 18 1977

DISTRIBUTION
Dockets
NRC PDRs
LOCAL PDR
ORB#1 Reading
ASchwencer
SMSheppard
DNeighbors
JMcGough
OELD
OI&E (3)
DEisenhut
TBAbernanth
JRBuchanan
ACRS (16)

Dockets Nos. 50-269/270/287

Duke Power Company
ATTN: Mr. William O. Parker, Jr.
Vice President - Steam Production
Post Office Box 2178
422 South Church Street
Charlotte, North Carolina 28242

Gentlemen:

RE: OCONEE NUCLEAR STATION, UNITS NOS. 1, 2 & 3

As you may be aware, the Standard Technical Specifications for reactor coolant system activity contain limits for both equilibrium and transient iodine activity. These limitations permit continued power operation for a limited period of time with coolant system activity above the equilibrium limit but within the transient value. We believe the use of equilibrium and transient limits provides the flexibility necessary to accommodate iodine spiking during plant operation. In arriving at the values used for each of these activity limits, we were aware of the lack of detailed and specific information relating to iodine spiking phenomena. Accordingly, the present limits reflect this limited data base through the use of conservative values.

We are interested in improving our basis for determining realistic estimates of the iodine spiking rate following power transients so that we can use this information to modify the assumptions used in the Standard Review Plan and the associated limits of the Standard Technical Specifications. With this use in mind, we request that you provide us within 60 days the available information relating to the parameters given in the enclosure.

We appreciate your cooperation in obtaining these data and believe its use will be of mutual benefit in future licensing activities.

Sincerely,

A. Schwencer, Chief
Operating Reactors Branch #1
Division of Operating Reactors

Enclosure:
Request for Information

OFFICE	CC w/enclosures: See next page	DOR:ORB#1	DOR:STS	DOR:ORB#1		
SURNAME	X27433:lgb	DNeighbors	JMcGough	ASchwencer		
DATE		4/18/77	4/ /77	4/ /77		

Form AEC-318 (Rev. 9-53) AECM 0240 ☆ U. S. GOVERNMENT PRINTING OFFICE: 1974-526-166

ENCLOSURE

REQUEST FOR DATA RELATED TO IODINE SPIKING

Provide available measurements for the past 12 months of the following parameters for each power change (increase or decrease) in excess of 25% of nominal power occurring within an hour. The measurements should include data taken on the last two occasions prior to the transient and include all measurements taken until the iodine activity has returned to an equilibrium value.

Reactor Coolant System Activity (I-131, I-133, Xe-133 and Xe-135)

Reactor Thermal Power

Reactor Coolant Cleanup Flow Rate

Reactor Coolant System Temperature and Pressure

APR 18 1977

OFFICE ➤						
SURNAME ➤						
DATE ➤						

UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

April 18, 1977

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A. Schwencer, Chief
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Division of Operating Reactors

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Request for Information

cc w/enclosures:
See next page

cc: Mr. William L. Porter
Duke Power Company
P. O. Box 2178
422 South Church Street
Charlotte, North Carolina 28242

J. Michael McGarry, III, Esquire
DeBevoise & Liberman
700 Shoreham Building
806-15th Street, NW.,
Washington, D.C. 20005

Oconee Public Library
201 South Spring Street
Walhalla, South Carolina 29691

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