

JUN 16 1982

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Mr. William O. Parker, Jr.  
 Vice President - Steam Production  
 Duke Power Company  
 P. O. Box 33189  
 422 South Church Street  
 Charlotte, North Carolina 28242

Dear Mr. Parker:

By letter dated January 14, 1982, you requested a continuing extension to an exemption for the Oconee Nuclear Station, Units 1, 2 and 3, (ONS 1, 2 and 3) from the requirement for an in-vessel material surveillance program as set forth in Appendix H to Title 10 of the Code of Federal Regulations Part 50 (10 CFR 50) which was granted on July 14, 1977, for a period of five years from July 14, 1977. A pending amendment to Appendix H would permit an integrated surveillance program for a set of reactors that have similar design and operating features, subject to approval by the Director of NRR. The exemption which was granted on July 14, 1977, permitted the operation of the ONS 1, 2 and 3 while irradiating the reactor vessel surveillance capsules at Crystal River, Unit No. 3. This is part of a Babcock and Wilcox (B&W) Owners Group Integrated Reactor Vessel Surveillance Program (IRVSP) which meets the requirements of the pending amendment to Appendix H.

You have concluded that the objective and technical description of the IRVSP has not changed from that described in the Safety Evaluation by the Office of Nuclear Reactor Regulation supporting Amendments Nos. 44, 44 and 41 to Facility Operating Licenses Nos. DPR-38, DPR-47 and DPR-55 and the initial exemption to the provisions of Appendix H. You state that the IRVSP continues to provide material data that leads the ONS 1, 2 and 3 reactor vessels and has demonstrated that the material behavior prediction techniques are conservative. Further, you state that no operational or fuel management modifications that will adversely affect the IRVSP are expected.

Our basis for original approval of the ONS 1, 2 and 3 surveillance program was written in the Safety Evaluation supporting Amendments Nos. 44, 44 and 41 for the ONS 1, 2 and 3. That program is still in place. We concluded in that evaluation that the information derived from the surveillance specimens in the host vessel, relevant to the ONS 1, 2 and 3 reactor vessels, would be sufficient to provide assurance of safety margins that comply with Appendix G, 10 CFR Part 50. That conclusion still applies.

It was stated in the 1977 Safety Evaluation that, until data becomes available from the surveillance program, the prediction of radiation damage could be based on the trend curves in Reg. Guide 1.99 Revision 1 for at least the next

OFFICE	.....	5 years.	We have had occasion to review those trend curves in connection	.....
SURNAME	.....	with the pressurized thermal shock problem and have concluded that they are	.....	.....
	.....	conservative in the region of data pertinent to ONS 1, 2 and 3.	.....	.....

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Mr. William O. Parker, Jr.

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In addition, the dosimetry results have shown that fluences can be estimated from power histories with reasonable accuracy. This relationship is documented in BAW 1485, June 1978.

On the basis of our evaluation of your justification for extension of exemption and the above assessment, we conclude that the proposed integrated surveillance program is acceptable for at least five (5) more years. Therefore, we hereby grant exemption for the ONS 1, 2 and 3 from the requirement for a continuing in-vessel material surveillance program as set forth in Appendix H to 10 CFR 50 for an additional five years from the date of this letter.

In accordance with 10 CFR 50.12, we have determined that this exemption is authorized by law and will not endanger life or property or the common defense and security and is otherwise in the public interest. We have also determined that this exemption does not authorize a change in effluent types or total amounts nor an increase in power level and will not result in any significant environmental impact. Having made this determination, we have further concluded that the exemption involves an action which is insignificant from the standpoint of environmental impact and, pursuant to 10 CFR §51.5(d)(4), that an environmental impact statement, or negative declaration and environmental impact appraisal need not be prepared in connection with this action.

We have concluded, based on the considerations discussed above, that: (1) because the exemption does not involve a significant increase in the probability or consequences of accidents previously considered and does not involve a significant decrease in a safety margin, the exemption does not involve a significant hazards consideration, (2) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, and (3) such activities will not be inimical to the common defense and security or to the health and safety of the public.

A Notice of Exemption, which is being forwarded to the Office of the Federal Register for publication, is enclosed.

Sincerely,

Original signed by

Darrell G. Eisenhut, Director  
Division of Licensing  
Office of Nuclear Reactor Regulation

Enclosure:  
Notice of Exemption

cc w/enclosure:  
See next page

\*See previous NRC 318 for concurrences.

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SURNAME	RIngram*	PWagner/cab	JStolz*	TNovak*	DEisenhut	RRawson*	WJohnson*
DATE	5/24/82	6/15/82	5/24/82	5/27/82	6/15/82	5/27/82	5/26/82

Mr. William O. Parker, Jr.

-2-

In addition, the desimetry results have shown that fluences can be estimated from power histories with reasonable accuracy. This relationship is documented in BAW 1485, June 1978.

On the basis of our evaluation of your justification for extension of exemption and the above assessment, we conclude that the proposed integrated surveillance program is acceptable for at least five (5) more years. Therefore, we hereby grant exemption for the ONS 1, 2 and 3 from the requirement for a continuing in-vessel material surveillance program as set forth in Appendix H to 10 CFR 50 for an additional five years from the date of this letter.

In accordance with 10 CFR 50.12, we have determined that this exemption is authorized by law and will not endanger life or property or the common defense and security and is otherwise in the public interest. We have also determined that this exemption does not authorize a change in effluent types or total amounts nor an increase in power level and will not result in any significant environmental impact. Having made this determination, we have further concluded that the exemption involves an action which is insignificant from the standpoint of environmental impact and, pursuant to 10 CFR 51.5(d)(4), that an environmental impact statement, or negative declaration and environmental impact appraisal need not be prepared in connection with this action.

A Notice of Exemption, which is being forwarded to the Office of the Federal Register for publication, is enclosed.

Sincerely,

Darrell G. Eisenhut, Director  
Division of Licensing  
Office of Nuclear Reactor Regulation

Enclosure:  
Notice of Exemption

cc w/enclosure:  
See next page

*Phil Put in a Boiler Plate  
No significant hazard  
findings presented  
in here. But not in  
the Notice. JG*  
*P.S. I must have missed  
it in ANO ye  
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SURNAME	RIngram	PWagner/cb	JStolz	INovak	DEisenhut	T. Tansel	W. Johnson
DATE	5/24/82	5/24/82	5/24/82	5/24/82	5/ /82	5/16/82	5/26/82

Duke Power Company

cc w/enclosure(s):

Mr. William L. Porter  
Duke Power Company  
P. O. Box 33189  
422 South Church Street  
Charlotte, North Carolina 28242

Office of Intergovernmental Relations  
116 West Jones Street  
Raleigh, North Carolina 27603

Oconee County Library  
501 West Southbroad Street  
Walhalla, South Carolina 29691

Honorable James M. Phinney  
County Supervisor of Oconee County  
Walhalla, South Carolina 29621

Mr. James P. O'Reilly, Regional Administrator  
U. S. Nuclear Regulatory Commission, Region II  
101 Marietta Street, Suite 3100  
Atlanta, Georgia 30303

Regional Radiation Representative  
EPA Region IV  
345 Courtland Street, N.E.  
Atlanta, Georgia 30308

William T. Orders  
Senior Resident Inspector  
U.S. Nuclear Regulatory Commission  
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Nuclear Power Generation Division  
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NUS Corporation  
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J. Michael McGarry, III, Esq.  
DeBevoise & Liberman  
1200 17th Street, N.W.  
Washington, D. C. 20036

UNITED STATES NUCLEAR REGULATORY COMMISSIONDUKE POWER COMPANYOCONEE NUCLEAR STATION, UNITS NOS. 1, 2 AND 3DOCKETS NOS. 50-269, 50-270 AND 50-287NOTICE OF EXEMPTIONOPERATION WHILE IRRADIATING REACTOR VESSELSURVEILLANCE SPECIMENS AT CRYSTAL RIVER UNIT NO. 3(APPENDIX H TO 10 CFR 50)

The Nuclear Regulatory Commission (the Commission) has granted an Exemption to the Duke Power Company (the licensee) for the Oconee Nuclear Station, Units 1, 2 and 3 (located in Oconee County, South Carolina), from the requirement for a continuing in-vessel material surveillance program as set forth in Appendix H to 10 CFR 50. The Exemption is effective for a period of five years from the date of issuance.

In granting this Exemption, the Commission determined that it is authorized by law and will not endanger life or property or the common defense and security, and is otherwise in the public interest. The Commission also determined that granting this Exemption will not result in any significant environmental impact and that pursuant to 10 CFR §51.5(d)(4) an environmental impact statement or negative declaration and environmental impact appraisal need not be prepared in connection with the issuance of this action.

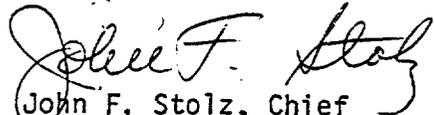
For further details, see (1) the licensee's request by letter dated January 14, 1982, and (2) the Commission's letter to the licensee dated June 16, 1982. These items can be reviewed at the Commission's Public Document

Room, 1717 H Street, N. W., Washington, D. C. 20555 and at the Oconee County Library, 501 West Southbroad Street, Walhalla, South Carolina.

A copy of item (2) may be obtained upon request addressed to the U. S. Nuclear Regulatory Commission, Washington, D. C. 20555, Attention: Director, Division of Licensing.

Dated at Bethesda, Maryland, this 16th day of June 1982.

FOR THE NUCLEAR REGULATORY COMMISSION



John F. Stolz, Chief  
Operating Reactors Branch #4  
Division of Licensing