

Docket No. 50-400

July 8, 1988

Mr. E. E. Utley
Senior Executive Vice President
Power Supply and Engineering & Construction
Carolina Power and Light Company
P. O. Box 1551
Raleigh, North Carolina 27602

Dear Mr. Utley:

SUBJECT: EXEMPTION FROM CERTAIN REQUIREMENTS OF 10 CFR 20.103(c)(2) -
SHEARON HARRIS NUCLEAR POWER PLANT, UNIT 1 (TAC NO. 67361)

By letter dated January 30, 1986, you requested an Exemption from certain requirements of 10 CFR Part 20. This request involves the requirement for determination by a physician at least once every 12 months that an individual is physically able to use the respiratory protective equipment in an environment containing airborne radioactive material.

The Exemption permits the licensee to administer physical examinations for users of respiratory equipment at an interval of every 9 to 15 months provided that the total time over any three consecutive physical examination periods will not exceed 39 months.

The Nuclear Regulatory Commission has granted your Exemption request pursuant to 10 CFR 20.501. The bases for the Exemption are discussed in the enclosed Exemption.

The Exemption is being forwarded to the Office of the Federal Register for publication. This completes our action on your submittal.

Sincerely,

BSI

Bart C. Buckley, Project Manager
Project Directorate II-1
Division of Reactor Projects I/II
Office of Nuclear Reactor Regulation

Enclosure:
Exemption
Safety Evaluation

cc: See next page

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Carolina Power & Light Company

Shearon Harris

cc:

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UNITED STATES NUCLEAR REGULATORY COMMISSION

In the Matter of)	
CAROLINA POWER & LIGHT COMPANY)	Docket No. 50-400
Shearon Harris Nuclear Power Plant,)	
Unit 1)	

EXEMPTION

I.

Carolina Power & Light Company (the licensee) is the holder of Facility Operating License No. NPF-63, which authorizes operation of the Shearon Harris Nuclear Power Plant, Unit 1. The license provides, among other things, that the facility is subject to all rules, regulations and Orders of the Nuclear Regulatory Commission (the Commission) now or hereafter in effect.

II.

Section 103(c)(2) to 10 CFR Part 20 requires a determination by a physician at least once every 12 months that an individual is physically able to use the respiratory protective equipment in an environment containing airborne radioactive material.

By letter dated January 30, 1986, the licensee requested an exemption from 10 CFR 20.103(c)(2) with regard to the interval for the administration of a physical examination for users of respiratory equipment. Specifically, the licensee requested an exemption to permit the physicals to be administered at an interval of every 9 to 15 months rather than the currently scheduled 8 to 12 months. In support of its request, the licensee notes that the exemption

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would provide greater flexibility in scheduling of examinations and would preclude the need for administration of two examinations in the same calendar year.

The acceptability of the exemption request is discussed below.

III.

In order to satisfy the 10 CFR 20.103(c)(2) requirement of "at least once every 12 months," the licensee has to administratively schedule the physical examinations every 8 to 12 months because of the large number of workers for whom these examinations have to be scheduled. Therefore, over a period of a few years, a substantial number of workers would receive two physical examinations within one calendar year. This would result in an unnecessary expenditure of the licensee's resources. On the other hand, according to the licensee's proposed schedule of a physical examination of every 9 to 15 months, it would be possible for a worker to average fewer than one examination every year over an extended period of time, for example, only four examinations in five years. This practice clearly does not meet the intent of the regulation.

In order to provide the licensee with administrative flexibility and yet meet the intent of the regulation to provide one physical examination every year, the staff has determined that an exemption to 10 CFR 20.103(c)(2), as requested by the licensee, with a provision that the total time over any three consecutive physical examination periods will not exceed 39 months, should be granted.

IV.

The Commission has determined that, pursuant to 10 CFR 20.501, this exemption is authorized by law, and will not result in undue hazard to life or property. Accordingly, the Commission hereby grants an exemption related to the time interval requirement of 10 CFR 20.103(c)(2) on physical examinations from "at least once every 12 months" to "every 9 to 15 months, provided that the total time over any three consecutive physical examination periods does not exceed 39 months." Pursuant to 10 CFR 51.32, the Commission has determined that granting this exemption will have no significant impact on the environment (53 FR 24817).

This exemption is effective upon issuance.

Dated at Rockville, Maryland this 8th day of July, 1988.

FOR THE NUCLEAR REGULATORY COMMISSION

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Steven A. Varga, Director
 Division of Reactor Projects I/II
 Office of Nuclear Reactor Regulation

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PRPB
J Wiggington
7/8/88

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