

UNITED STATES NUCLEAR REGULATORY COMMISSIONROCHESTER GAS AND ELECTRIC CORPORATIONDOCKET NO. 50-244NOTICE OF ISSUANCE OF ENVIRONMENTAL ASSESSMENT AND FINDING OF
NO SIGNIFICANT IMPACT

The U. S. Nuclear Regulatory Commission (the Commission) is considering issuance of an amendment to Provisional Operating License No. DPR-18 to Rochester Gas and Electric Corporation (the licensee) for the R. E. Ginna Nuclear Power Plant located in Wayne County, New York.

Identification of Proposed Action: The amendment would consist of changes to the operating license and Technical Specifications (TS) and would authorize an increase of the storage capacity of the spent fuel pool (SFP) from 595 fuel assemblies to 1016 fuel assemblies with average enrichments no greater than 4.25 weight percent U-235.

The amendment to the TS is responsive to the licensee's application dated April 2, 1984 and supplemented June 12, 1984. The NRC staff has prepared an Environmental Assessment of the Proposed Action, "Environmental Assessment By the Office of Nuclear Reactor Regulation Relating to the Second Modification of the Spent Fuel Storage Pool, Provisional Operating License No. DPR-18, Rochester Gas and Electric Corporation, R. E. Ginna Nuclear Power Plant, Docket No. 50-244" dated November 8, 1984.

Summary of Environmental Assessment: The Final Generic Environmental Impact Statement (FGEIS) on Handling and Storage of Spent Light Water Power Reactor Fuel (NUREG-0575) concluded that the environmental impact of interim storage of spent fuel was negligible and the cost of the various alternatives

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reflects the advantage of continued generation of nuclear power with the accompanying spent fuel storage. Because of the differences in SFP designs, the FGEIS recommended licensing SFP expansion on a case-by-case basis.

For Ginna the expansion of the storage capacity of the SFP will not create any significant additional radiological effects or measurable nonradiological environmental impacts. The additional whole body dose that might be received by an individual at the site boundary is less than 0.1 millirem per year; the estimated dose to the population within a 50-mile radius is estimated to be less than 0.1 man-rem per year. These doses are small compared to the fluctuations in the annual dose this population receives from exposure to background radiation. The occupational radiation dose to workers during the modification of the storage racks is estimated by the licensee to be 78 man-rems. This is a small fraction of the total man-rems from occupational dose at the plant. The small increase in radiation dose should not affect the licensee's ability to maintain individual occupational dose within the limits of 10 CFR Part 20, and as low as reasonably achievable.

Finding of No Significant Impact: The staff has reviewed this proposed facility modification relative to the requirements set forth in 10 CFR Part 51. Based upon the environmental assessment, the staff concluded that there are no significant radiological or nonradiological impacts associated with the proposed action and that the proposed license amendment will not have a significant effect on the quality of the human environment. Therefore, the Commission has determined, pursuant to 10 CFR 51.31, not to prepare an environmental impact statement for the proposed amendment.

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For further details with respect to this action, see (1) the application for amendment to the TS dated April 2, 1984 as supplemented June 12, 1984, (2) the FGEIS on Handling and Storage of Spent Light Water Power Reactor Fuel (NUREG-0575), (3) the Final Environmental Statement for Ginna issued December 1973, (4) the Environmental Evaluation for Ginna issued June 17, 1983, and (5) the Environmental Assessment dated November 8, 1984. These documents are available for public inspection at the Commission's Public Document Room, 1717 H Street, N.W., Washington, D.C., 20555 and at the Local Public Document Room at the Rochester Public Library, 115 South Avenue, Rochester, New York 14604.

Dated at Bethesda, Maryland, this 8 day of November 1984

FOR THE NUCLEAR REGULATORY COMMISSION

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