

January 14, 2003

LICENSEE: Rochester Gas and Electric Corporation (RG&E)  
FACILITY: R. E. Ginna Nuclear Power Station  
SUBJECT: SUMMARY OF DECEMBER 17, 2002, MEETING WITH RG&E REGARDING  
THE PROPOSED FATIGUE MONITORING PROGRAM AT THE R. E. GINNA  
NUCLEAR POWER STATION

The Nuclear Regulatory Commission staff and representatives of RG&E held a meeting on December 17, 2002, to discuss RG&E's use of an automated fatigue monitoring system, Fatigue Pro. The discussion concerned the methodology the applicant plans to use to quantify fatigue calculations for the pressurizer surge line (as well as for the pressurizer lower head heater penetrations) for the period of extended operation, including the effect of environmentally assisted fatigue.

The applicant intends to perform a fatigue reanalysis of selected components, as well as the pressurizer surge line, using actual plant transient data recorded via the plant process computer to calculate actual fatigue effects based on transfer functions developed in Fatigue Pro for every transient having thermal fatigue effects. The actual number of such cycles will be determined and projected out to 60 years of operation using a weighted-average technique. The per-cycle fatigue effects and the total number and severity of fatigue cycles will be combined, environmental effects per NUREG/CR-5704 will be considered, and the end of life cumulative usage factor (CUF) will be calculated for the locations in order to demonstrate that the CUF is acceptable for the period of extended operation.

The applicant has had an opportunity to review and comment on this summary. A meeting handout and a list of the meeting attendees are enclosed.

*/RA/*

Russell Arrighi, Project Manager  
License Renewal Section  
License Renewal and Environmental Impacts Program  
Division of Regulatory Improvement Programs  
Office of Nuclear Reactor Regulation

Docket No.: 50-244

Enclosures: 1. Participants in Meetings  
2. Fatigue Monitoring Handout

cc w/enclosures: See next page

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FACILITY: R. E. Ginna Nuclear Power Station

SUBJECT: SUMMARY OF DECEMBER 17, 2002, MEETING WITH RG&E REGARDING THE PROPOSED FATIGUE MONITORING PROGRAM AT THE R. E. GINNA NUCLEAR POWER STATION

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DATE	1/14/2003	1/14/2003	1/14/2003	1/14/2003

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ATTENDANCE LIST  
DECEMBER 17, 2002

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R.E. Ginna Nuclear Power Plant

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