



March 13, 2003

U.S. Nuclear Regulatory Commission  
Document Control Desk  
Attn: Mr. Robert G. Schaaf (Mail Stop O-12 D-3)  
Office of Nuclear Reactor Regulation  
Washington, D.C. 20555-0001

Ref. (1) Request for Additional Information (RAI) Related to the Staff's Review of the License Renewal Environmental Report for the R. E. Ginna Nuclear Power Plant (TAC No. MB5225), dated January 14, 2003

Subject: Response to Request for Additional Information as Submitted by Reference (1) R. E. Ginna Nuclear Power Plant  
Docket No. 50-244

Dear Mr. Schaaf:

This letter is in response to your Request for Additional Information (RAI), as submitted by Reference (1). The responses are provided in Attachments 1-2.

This submittal completes RG&E's commitments to respond to all Ginna Station License Renewal Environmental Report RAIs. If you have additional questions, please contact our License Renewal Project Manager, George Wrobel at (585) 771-3535.

Very truly yours,

Robert C. Mecredy  
Vice President  
Nuclear Operations

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Attachments

xc: Regional Administrator, Region I  
U.S. Nuclear Regulatory Commission  
475 Allendale Road  
King of Prussia, PA 19406

U.S. NRC Ginna Senior Resident Inspector

Mr. Russ Arrighi, Project Manager  
Office of Nuclear Reactor Regulation  
U.S. Nuclear Regulatory Commission  
One White Flint North  
11555 Rockville Pike  
Rockville, MD 20852

Mr. Denis Wickham  
Sr. Vice President Transmission and Supply  
Energy East Management Corporation  
P.O. Box 5224  
Binghamton, NY 13902

Ms. Julea Hovey  
Constellation Nuclear Services  
6120 Woodside Executive Court  
Aiken, SC 29803

## Attachment 1

**RAI 1:** [Please provide the] construction dates of the lakeside summer cottages on the western end of the property.

**RESPONSE:** We do not have any specifications regarding the year in which these “Gates Grove Cottages” were built, although we estimate that they were constructed in the early 1900s. RG&E does not own the cottages - we own and lease the land, and have year-to-year leases with the owners of the cottages.

Since the NRC’s site visit here in November, the majority of these cottages have been demolished due to structural deficiencies and deterioration. At this point, only three of the cottages remain.

**RAI 2:** A brief summary of the history of the Manor House, including its date of construction

**RESPONSE:** In the early 1900s, the land upon which the Manor House (and Ginna Station) is located belonged to Kevin Field and Evelyn (Ellwanger) Field, of gardener/nurserymen fame in the city of Rochester. The site was designed with a variety of trees and plants, including a sunken garden developed below ground level to avoid the impact of cold winds off Lake Ontario.

First built as a cottage in the early 1900s by the Field family, it was enlarged over the years as electricity and gas became available. The Field estate with the Manor House, a farm house, garage, and barns had 1700 feet of lakefront.

When the Manor House was expanded to be categorized a mansion, around 1920, it had 1774 square feet on the first floor and 2060 square feet on the second floor, five bathrooms, 4 fireplaces, separate quarters for servants and guests, and large formal rooms on the first floor.

After Ginna Station was built, the Manor House was used for RG&E Board meetings and for receiving AEC officials and other guests. Shortly after power operation began, the Manor House was no longer used and fell into disrepair. However, repair and renovation work began in the early 1990s, and the Manor House was restored into excellent condition. It is now used for meetings, wellness activities, employee gatherings, and for the Wayne Central High School “Eagle Ventures” program, an alternative special education program.

RAI 3: Information regarding treatment and disposal of sanitary waste, including typical daily volume, if available, and disposal facility (e.g., name of municipal waste treatment plant receiving waste stream). Summarized annual data regarding typical chemical waste generation (types and quantities). Information regarding any on-site waste treatment and off-site treatment/disposal

RESPONSE: There are approximately 7500 gallons of wastewater for Ginna Station treated daily by the Town of Ontario Water Utilities Department. Ginna Station does not have a "Sewer Use Permit" and does not process or discharge waste onsite. Chemical waste is processed onsite by a demineralization system which processes chemical radioactive waste collected from equipment and floor drains, and chemical lab and hot shower drains. This system uses mixed media filtration and anion, cation, and mixed-bed resin to process water from the waste holdup tank. The system consists of five to six resin vessels, a booster pump, mechanical filtration, dewatering pump, and process control unit. After processing, waste water is collected in monitor tanks. If the processed water is unacceptable for release because of radioactivity, it is recycled through the demineralization system or recycled to the reactor makeup water tank. When chemistry and activity release parameters are met, the waste water is released from the monitor tank into the circulating water discharge canal. When the resin media is spent, it is sluiced to a shipping container for disposal.

The types and quantities of typical chemical waste discharges to the environment are regulated by our SPDES permit. Estimate of current chemical usage with overboard steam generator blowdowns and condensate polishing system full bypass are:

boric acid (H <sub>3</sub> BO <sub>3</sub> )	8700 lb/year
ethanolamine (100%)	740 "
hydrazine (35%)	2000 "
ammonium hydroxide (30%)	19,000 "
sulfuric acid (93%)	70,000 "
sodium hydroxide (50%)	85,000 "
sodium hypochlorite (12-15%)	110,000 "

RAI 4: The enclosure to the January 23, 2002, RG&E letter to the New York State Historic Preservation Office (SHPO). The letter was provided as part of RG&E's December 23, 2002, submittal of supplemental information supporting the staff's review of the ER, but the enclosure to the letter was not provided.

RESPONSE: The enclosure has been provided as Attachment 2.



Bernadette Castro  
Commissioner

Attachment 2

New York State Office of Parks, Recreation and Historic Preservation  
Historic Preservation Field Services Bureau  
Peebles Island, PO Box 189, Waterford, New York 12188-0189

518-237-8643

October 31, 2001

Dennis J. Mooney  
Principal Environmental Analyst  
Rochester Gas and Electric Corporation  
89 East Avenue  
Rochester, New York 14649-0001

Dear Mr. Mooney:

Re: NRC  
Ginna Nuclear Power Plant/2640 Lake  
Rd/Extend License  
Ontario/Wayne County  
01PR5031

Thank you for requesting the comments of the State Historic Preservation Office (SHPO). We have reviewed the project in accordance with Section 106 of the National Historic Preservation Act of 1966.

Based upon our review, it is the SHPO's opinion that your project will have No Effect upon cultural resources in or eligible for inclusion in the National Register of Historic Places.

If further correspondence is required regarding this project, please be sure to refer to the OPRHP Project Review (PR) number noted above.

Sincerely,

Ruth L. Pierpont  
Director

RLP: cmp