

U. S. NUCLEAR REGULATORY COMMISSION  
REGION I

Report No. 50-244/84-06

Docket No. 50-244

License No. DPR-18                      Priority    --                      Category    C

Licensee: Rochester Gas and Electric Corporation  
49 East Avenue  
Rochester, New York 14649

Facility Name: R. E. Ginna Nuclear Power Plant

Inspection At: Ontario, New York

Inspection Conducted: March 1, 1984 through April 20, 1984

Inspectors: W. J. Lazarus for 5/16/84  
R. P. Zimmerman, Senior Resident Inspector, Ginna  
W. J. Lazarus 5/16/84  
W. J. Lazarus, Project Engineer  
W. J. Lazarus for 5/16/84  
W. A. Cook, Resident Inspector, Ginna

Approved by: Samuel Collins 5/18/84  
S. J. Collins, Chief, Reactor Project Section No. 2C  
DPRP

Inspection Summary:

Inspection on March 1, 1984 through April 20, 1984 (Report No. 50-244/84-06)

Areas Inspected: Routine, onsite, regular, and backshift inspection by the resident inspector (124 hours), and two Region-based inspectors (94 hours). Areas inspected included: licensee action on previous inspection findings; plant activities during the refueling outage; surveillance testing and maintenance; quality control; training; and tours of accessible portions of the facility during plant tours.

Results: No violations were identified during this inspection. As noted in Section 6. of this report, recent examples of site Quality Control (QC) Program weaknesses were identified and discussed with the licensee.

DETAILS1. Persons Contacted

The below listed technical and supervisory level personnel were among those contacted:

- B. Snow, Plant Superintendent
- S. Spector, Assistant Plant Superintendent
- T. Schuler, Maintenance Manager
- T. Meyer, Technical Manager
- J. Widay, Reactor Engineer
- C. Christopher, Support Craft Services Supervisor,  
Bell-Schneider
- D. Roth, Maintenance Foreman

The inspectors also interviewed and talked with other licensee personnel during the course of the inspection.

2. Licensee Action on Previous Inspection Findings

(Closed) Violation (244/83-10-01): Failure to perform surveillance testing of residual heat removal (RHR) pumps during cold shutdown. A new test procedure FT-2.2A, Residual Heat Removal System Shutdown Operability Test has been written and incorporated into the surveillance testing program to satisfy the requirements of Technical Specification 4.3.5.3b. The inspector reviewed the results of the test performed on March 13, 1984, with no discrepancies noted.

(Closed) Violation (244/83-03-02): Failure to include steam generator blowdown sample discharge in determining total radioactivity from liquid effluent. The monthly liquid effluent compilation sheet has been revised to include steam generator blowdown sample line effluent. The inspector reviewed the licensee's semiannual effluent report submitted to the NRC for the period July through December, 1983, and confirmed that the sample line effluent was included. Although not yet implemented, Engineering Work Request-3795 has been initiated to direct the blowdown sample flow to either the main condenser hotwell or the retention tank to allow the release to be quantified by routine procedures as well as allow for decay of short-lived isotopes prior to release.

(Closed) Unresolved Item (244/80-02-07): As found data not documented for test equipment sent out for calibration. The inspector reviewed several recent purchase orders which had been sent out for calibration of test equipment. The licensee has developed a computerized system for generating the requisitions which are then used to write the purchase orders. A standard requirement included in the requisitions/purchase orders is that the supplier document the

initial condition of calibration of the instrument, and return a copy of that data with the instrument. The QC receipt inspection requires a verification that this as found data is included with the instrument when it is returned to the site.

(Closed) Violation (244/83-23-04): Failure to maintain adequate quality control of material storage in the Project Quality Assurance Storage Area. The inspectors conducted an inspection of the Project QA Storage Area and determined that general housekeeping practices and cleanliness were adequate. Proper material storage and controlled access to the QA Storage Area were also verified. No further discrepancies were noted.

### 3. Review of Plant Operations

- a. Throughout the reporting period, the inspector reviewed plant operations. Activities in progress included routine full power operation until March 3, 1984 at which time the unit was shutdown to commence the 1983 refueling and maintenance outage.
- b. During the course of the inspection, tours of the following plant areas were conducted:
  - Control Room
  - Auxiliary Building
  - Intermediate Building
  - Service Building
  - Turbine Building
  - Containment
  - Diesel Generator Rooms
  - Screenhouse
  - Yard Area and Perimeter
- c. The following areas were observed during the tours:
  1. Operating logs and records. Records were reviewed against Technical Specifications and administrative procedure requirements.
  2. Monitoring instrumentation. Process instruments were observed for correlation between channels and for conformance with Technical Specification requirements.
  3. Shift manning. Control Room and shift manning were observed for conformance with 10 CFR 50.54, Technical Specifications, and administrative procedures.
  4. Radiation protection controls. Areas observed included control point operation, posting of radiation and high radiation areas, compliance with Radiation Work Permits (RWP) and Special Work Permits (SWP),

personnel monitoring devices being properly worn, and personnel frisking practices. See additional comments in paragraph 5 below.

5. Fire protection. Fire detection and firefighting equipment and controls were observed for conformance with Technical Specifications and administrative procedures.
6. Security. Areas observed for conformance with regulatory requirements and implementation of the site security plan, inclusive of administrative procedures for vehicle and personnel access, and verification of protected and vital area integrity.
7. Plant housekeeping. Plant conditions were observed for conformance with administrative procedures. Storage of material and components was observed with respect to prevention of fire and safety hazards. Housekeeping was evaluated with respect to controlling the spread of surface and airborne contamination.

#### 4. Preparations for Refueling

##### a. Refueling Procedures

The inspector reviewed the licensee's approved refueling procedure, RF-59, "Cycle XIII-XIV Refueling", Rev. 0, which was written to perform the tasks of equipment checkout, fuel handling, transfer, inspection of fuel and components, and core verification. No inadequacies were identified.

##### b. Fuel Receipt Inspection

The inspector reviewed licensee procedure QCIP-3, "Recovery Inspection of New Fuel", Rev. 5, and then reviewed the associated purchase orders, Westinghouse Quality Releases, and the fuel receipt inspection records for all fuel received for loading in Cycle XIV core. All noted inspection discrepancies were properly resolved. No inadequacies were identified.

##### c. Fuel Handling Equipment Tests

The inspector verified that required fuel equipment tests had been satisfactorily completed prior to commencing refueling operations, by reviewing sections 9.2.13 and 9.2.14 of RF-59. These sections documented the completion of fuel equipment maintenance checkout and the fuel handling system checkout and demonstration. No inadequacies were identified.

## 5. Maintenance Activities

The following maintenance activities were observed to verify that they were being performed in accordance with appropriate procedures by qualified personnel and that adequate radiological controls were implemented.

### a. Removal and Testing of Pressurizer Safety Valve

On March 15, 1984 the inspectors witnessed the removal of pressurizer safety valve RV 434 for testing. The work was being accomplished in accordance with maintenance procedure M37.2.2, "Inspection and Maintenance of Pressurizer Safety Valves RV 434 or RV 435", Rev. 6. RWP requirements were met and continuous HP coverage was implemented. During the removal of the valve, a high airborne particulate alarm was received on the continuous air monitor for the pressurizer cubicle. The workers were evacuated from the area and breathing zone apparatus filters were counted, indicating that there had been no uptake by the workers. The inspectors subsequently observed the bench test of RV 434 on March 16, 1984, also performed in accordance with M37.2.2, to verify that the valve lift setpoint was correct. No discrepancies were identified.

### b. Reactor Coolant Pump Overhaul

The inspectors witnessed various stages of the work performed on the "B" Reactor Coolant Pump. These included removal of the pump motor, removal and chemical decontamination of the pump, pump overhaul, reassembly, and testing. The work was performed in accordance with maintenance procedures M-11.8B, Rev. 16, M-11.8M, Rev. 1, and M-11.8F, Rev. 11. No inadequacies were identified.

### c. Removal of Pressurizer Spray Valve

On March 29, 1984, the inspectors observed the removal of spray valve 431A for repair. The work was accomplished in accordance with maintenance procedure M37.1 "Inspection and Maintenance of Pressurizer Spray Valve PCV-431A and 431B. RWP requirements were appropriate and were implemented with continuous HP coverage. No inadequacies were identified.

## 6. Quality Control Organization Effectiveness

The inspector met with representatives of the licensee's plant and corporate management on March 27 and April 2,

1984, respectively, to discuss concerns regarding the functioning of the plant Quality Control (QC) department. The inspector stated that, based on routine observations, QC management appeared to lack aggressiveness in the followup of plant activities. Examples from recent inspection reports, as well as the most recent Systematic Assessment of Licensee Performance (SALP) dated July 5, 1983, were discussed by the inspector to illustrate the development of a negative trend. The licensee representative acknowledged the inspector's comments and stated that corrective action would be sought to improve the QC department's effectiveness. The licensee's implementation of appropriate corrective action will be the subject of subsequent NRC review. (244/84-06-01)

7. General Employee and Health Physics Training

Personnel assigned to Ginna are required to attend classroom training in security, quality assurance/control, and safety prior to receiving unescorted access within the protected area. Additionally, temporary personnel entering radiologically controlled areas and all permanently assigned plant personnel are required to attend classroom health physics training. Refresher training is required in these areas annually. Based on review of applicable documentation and participation in the program, the inspector verified that the scope, technical content, and effectiveness of the program was satisfactorily implemented in accordance with industry standards and site administrative procedures.

8. Exit Interview

At periodic intervals during the course of the inspection, meetings were held with senior facility management to discuss the inspection, scope and findings.