

December 12, 2002

FACILITY: R. E. Ginna Nuclear Power Plant

LICENSEE: Rochester Gas and Electric Corporation

SUBJECT: SUMMARY OF MEETING HELD ON NOVEMBER 20, 2002, WITH ROCHESTER GAS AND ELECTRIC CORPORATION RE: PROPOSED DIGITAL UPGRADES TO THE CONTROL ROOM EMERGENCY AIR TREATMENT SYSTEM (TAC NO. MB1887)

On November 20, 2002, representatives of the Rochester Gas and Electric Corporation (RG&E) met with the members of the U.S. Nuclear Regulatory Commission (NRC) staff in Rockville, Maryland. The purpose of the meeting was to discuss software verification and validation issues regarding the digital upgrade to the Control Room Emergency Air Treatment System. The vendor providing the digital equipment is, Syncor Radiation Management. A list of attendees is given in Enclosure 1. A copy of the handout outlining NRC staff concerns is given in Enclosure 2. During this meeting, the NRC staff and the licensee agreed that a vendor site visit should be performed to assess the vendor's quality assurance program and software development process. The site visit is tentatively scheduled for the second or third week of February 2003.

/RA/

Robert Clark, Project Manager, Section 1
Project Directorate I
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Docket No. 50-244

Enclosures: As stated

cc w/encls: See next page

December 12, 2002

FACILITY: R. E. Ginna Nuclear Power Plant

LICENSEE: Rochester Gas and Electric Corporation

SUBJECT: SUMMARY OF MEETING HELD ON NOVEMBER 20, 2002, WITH ROCHESTER GAS AND ELECTRIC CORPORATION RE: PROPOSED DIGITAL UPGRADES TO THE CONTROL ROOM EMERGENCY AIR TREATMENT SYSTEM (TAC NO. MB1887)

On November 20, 2002, representatives of the Rochester Gas and Electric Corporation (RG&E) met with the members of the U.S. Nuclear Regulatory Commission (NRC) staff in Rockville, Maryland. The purpose of the meeting was to discuss software verification and validation issues regarding the digital upgrade to the Control Room Emergency Air Treatment System. The vendor providing the digital equipment is, Syncor Radiation Management. A list of attendees is given in Enclosure 1. A copy of the handout outlining NRC staff concerns is given in Enclosure 2. During this meeting, the NRC staff and the licensee agreed that a vendor site visit should be performed to assess the vendor's quality assurance program and software development process. The site visit is tentatively scheduled for the second or third week of February 2003.

/RA/

Robert Clark, Project Manager, Section 1
Project Directorate I
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Docket No. 50-244

Enclosures: As stated

cc w/encls: See next page

DISTRIBUTION

PUBLIC PDI-1 Rdg File SLittle RClark EMarinos CSchulten
PLoeser RLaufer SRichards OGC ACRS/ACNW
JZwolinski/TMarsh BPlatchek, RI TBergman

File Name: C:\ORPCheckout\FileNET\ML023460334.wpd

Accession No.: ML023460334

OFFICE	PDI-1/PM	PDI-1/LA	EEIB/SC	PDI-1/SC
NAME	RClark	SLittle	EMarinos	PTam for RLaufer
DATE	12/12/02	12/12/02	12/12/02	12/12/02

OFFICIAL RECORD COPY

R.E. Ginna Nuclear Power Plant

cc:

Dr. Robert C. Mecredy
Vice President, Nuclear Operations
Rochester Gas and Electric Corporation
89 East Avenue
Rochester, NY 14649

Kenneth Kolaczyk, Sr. Resident Inspector
R.E. Ginna Plant
U.S. Nuclear Regulatory Commission
1503 Lake Road
Ontario, NY 14519

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

Mr. William M. Flynn, President
New York State Energy, Research,
and Development Authority
17 Columbia Circle
Albany, NY 12203-6399

Charles Donaldson, Esquire
Assistant Attorney General
New York Department of Law
120 Broadway
New York, NY 10271

Daniel F. Stenger
Ballard Spahr Andrews & Ingersoll, LLP
601 13th Street, N.W., Suite 1000 South
Washington, DC 20005

Ms. Thelma Wideman, Director
Wayne County Emergency Management
Office
Wayne County Emergency Operations
Center
7336 Route 31
Lyons, NY 14489

Ms. Mary Louise Meisenzahl
Administrator, Monroe County
Office of Emergency Preparedness
1190 Scottsville Road, Suite 200
Rochester, NY 14624

Mr. Paul Eddy
New York State Department of
Public Service
3 Empire State Plaza, 10th Floor
Albany, NY 12223

**MEETING BETWEEN NRC AND
ROCHESTER GAS AND ELECTRIC CORPORATION**

ATTENDANCE LIST

NOVEMBER 20, 2002

NRC

E. Marinos, NRR
P. Loeser, NRR
R. Clark, NRR

RG&E

T. Harding
J. Pacher
P. Swift
J. Guider
T. Quinn

V&V ISSUES REGARDING DIGITAL UPGRADES TO
EMERGENCY CONTROL ROOM AIR TREATMENT SYSTEM

1. The NRC staff does not have a copy of the Software Requirements Specification.
2. There is no Software Validation and Verification, only a validation test. It appears that no verification was done at all. This means there is no record if the system specification was compared to the software requirements, if those were compared to the code or the test requirements, or if the code was reviewed.
3. The Software Validation Test Procedure # 9405603 has not been verified. How does the staff know that everything was covered?
4. The Software Validation Test Procedure # 9405603 seems incomplete. Throughout the test there are requirements to see if "xxx relay is energized," without any hint as to how to determine this. The staff could not run the test from this test procedure.
5. The completed Software Test Data Sheets have a "pass," the testers name (not readable) and the date (10-29-02) written in on the first test of the first page. All other tests, 55 pages worth, have a vertical line on the page for results, tester and date. Is the staff to assume that all tests were done on the same day?
6. There was one Test Incident Report attached to the Software Test Data Sheets. There is no indication of corrective action.
7. The staff does not understand how the digital system works. There does not seem to be a theory of operations section. There is much discussion on various features, but not on how the system operates, such as a signal flow walk through.
8. The Installation, Operation & Maintenance Instruction Manual is for an "Area Monitoring System Model 955A" Ginna is using a model 956. Is the 955 manual applicable?
9. The block diagram on pages 4-24, 25, and 26 of the Installation, Operation & Maintenance Instruction Manual seems incomplete, i.e., where does the control signal bus come from, and how do the sensor values get into the system?