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 SPECTOR, S.M. Rochester Gas & Electric Corp.
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SUBJECT: RO: on 880716, electrical fault caused five main breakers in
 substation to trip open.

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July 18, 1988.

U.S. Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555

Subject: Follow-up Summary of Close-out of July 16, 1988
Unusual Event
R.E. Ginna Nuclear Power Plant
Docket No. 50-244

In accordance with NUREG 0654, FEMA-REP-1, Rev. 1 reporting requirements which requires a written summary of "Close-out or Class Reduction Conditions", the attached close-out summary for the July 16, 1988 Unusual Event is hereby submitted.

This event has in no way affected the public's health and safety.

Very truly yours,

SM Spector
Stanley M. Spector
Superintendent -
Ginna Station

Attachment

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

Ginna USNRC Senior Resident Inspector

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Attachment to Close-out of July 16, 1988 Unusual Event
R.E. Ginna Nuclear Power Plant
Docket No. 50-244

On July 16, 1988 at approximately 1355 EDST with the reactor at 100% steady state power an electrical fault in the plant's main electrical substation caused five main breakers in the substation to trip open. These five main breakers opening caused the loss of approximately one half of the transmission capability of the substation plus caused the loss of offsite power to the plant. All safeguards busses de-energized and were re-energized with the two station emergency diesel generators in approximately 30 seconds. The plant was stabilized at approximately 75% power.

At approximately 1400 EDST the Security Department reported to the Control Room that they heard an explosion at the main electrical substation.

At 1409 EDST the Operations Shift Supervisor declared an Unusual Event in accordance with plant procedure SC-100, "Ginna Station Event Evaluation and Classification", Emergency Action Level: Hazards Being Experienced or Projected; Explosion Near or Onsite Reported to Operations Personnel. All offsite notifications were made per plant procedure SC-601, "Unusual Event Notifications".

At approximately 1445 EDST after offsite power had been restored through a backup circuit, Rochester Gas and Electric Corporation's (RG&E) Power Control Dispatcher requested a plant shutdown due to damage to the offsite power transmission equipment.

At 1539 EDST the turbine generator was taken off the line and at 1621 EDST the reactor trip breakers were opened. The plant was stabilized in the hot shutdown condition.

At 1645 EDST the Operations Shift Supervisor, with approval and concurrence from the Superintendent of Ginna Station, the Operations Supervisor, and the Duty Engineer declared the Unusual Event terminated in accordance with plant procedure SC-110, "Ginna Station Event Evaluation for Reducing the Classification". The rationale involved in the termination was:

- o The cause of the explosion was known (i.e. circuit breaker 91102 had exploded)
- o The failed circuit breaker had been electrically isolated
- o There was no longer a danger of fire at the substation
- o The reactor was stable at hot shutdown
- o Offsite power had been restored