

05-38-90

DCS No: 03029300900308  
Date: March 29, 1990

PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE--PNO-IIT-90-02A

This preliminary notification constitutes EARLY notice of events of POSSIBLE safety or public interest significance. The information is as initially received without verification or evaluation, and is basically all that is known by the IIT on this date.

Facility:  
Georgia Power Company  
Vogtle Unit 1  
Docket No. 50-424  
Waynesboro, GA

Licensee Emergency Classification:  
 Notification of Unusual Event  
 Alert  
 Site Area Emergency  
 General Emergency  
 Not Applicable

*Reid 3/29  
@ 4:30 PM*

Subject: STATUS REPORT FROM NRC INCIDENT INVESTIGATION TEAM

The Incident Investigation Team (IIT) remains on site gathering data, conducting interviews, inspecting equipment, meeting with the licensee, concurring in licensee action plans and analyzing facts. A preliminary sequence of events has been developed by the IIT and is enclosed.

All site interviews should be completed by March 31, 1990. All licensee action plans for further troubleshooting and uncovering remaining event-related information should be finalized on March 31, 1990.

A final status report will be issued prior to the IIT's departure from the site.

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Licensee: Reactor Licensees

INCIDENT INVESTIGATION TEAM  
PRELIMINARY SEQUENCE OF EVENTS

## INITIAL PLANT CONDITIONS:

- Unit 2 operating at a steady state power of 100%.
- Unit 1 in day 24 of a planned 44-day outage.
- Non-emergency ac power was being supplied by backfeeding through the main transformer to the unit auxiliary transformers.
- Power was being supplied to both emergency 4kV busses from a single transformer (the 1A RESERVE AUXILIARY TRANSFORMER).
- The other 4kV emergency transformer (the 1B reserve auxiliary transformer) was out of service for planned maintenance.
- One of the two unit 1 diesel generators (1B) was out of service for overhaul and inspection.
- The "A" loop of residual heat removal (RHR) was providing core cooling with the reactor coolant system in mid loop at approximately 90 degrees Fahrenheit.
- The reactor coolant system was open at several locations for maintenance.
- The containment equipment hatch was fully open for removal of equipment.
- The 1B RHR injection valve was closed and out of service leaving only the 1A injection valve (which was de-energized open) available for shutdown cooling.

NOTE: All times are EST. Some previous reports of this incident were reported in CST.

<u>Time</u>	<u>Description of Event</u>
0920	A lubrication and fuel truck backed into a support post for the 230kV line resulting in loss of power to the 1A reserve auxiliary transformer supplying both Unit 1 and one of the Unit 2 emergency 4kV busses. This resulted in a trip of Unit 2, loss of ac power to the Unit 1 emergency busses, and an undervoltage start of the 1A diesel generator.
0921	1A diesel generator tripped.
0940	Site area emergency declared due to loss of emergency ac power for greater than 15 minutes.
0941	Diesel generator 1A restarted as expected when the load sequencer was locally reset. Diesel generator 1A tripped again.
0956	Local emergency start of diesel generator 1A was successful and emergency AC power was restored to the 1A emergency bus.
0957	Emergency plan initial notifications of the Site Area Emergency (SAE) commenced.

<u>Time</u>	<u>Description of Events</u>
0958	NRC Operations Center notified of SAE.
1000	RHR was restored. The maximum primary coolant temperature reached 136 degrees Fahrenheit.
1013	Completed initial notification of required off-site emergency response organizations except for Georgia Emergency Management Agency (GEMA) and Burke County Georgia. (The normal Emergency Notification Network (ENN) was out of service in the control room because it is powered by vital power which was lost.)
1015	The Site Area Emergency was downgraded to an alert.
1016	GEMA is aware of an emergency at Vogtle due to chackout of ENN from the Technical Support Center, but does not receive the details of the SAE.
1026	The plant Technical Support Center (TSC) was activated.
1029	The TSC informed GEMA that the SAE existed but had been downgraded to an alert.
1034	Installation of the steam generator primary manways was completed.
1035	GEMA received a facsimile from South Carolina with the details of the initial notification.
1041	Initial formal notification of GEMA was completed by the licensee.
1042	The containment equipment hatch was bolted in place.
1140	The 1B emergency bus was re-energized from its normal transformer (reserve auxiliary transformer 1E) which had been out of service for maintenance.
1140	The pressurizer manway was installed.
1238	RHR was shifted to the B RHR pump (to facilitate later electrical alignment changes).
1347	Emergency terminated.
1426	The 1A diesel generator was shutdown. Both emergency busses were receiving power from the 1B reserve auxiliary transformer.