



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
ADVISORY COMMITTEE ON REACTOR SAFEGUARDS  
WASHINGTON, D. C. 20555

March 28, 1990

MEMORANDUM FOR: H. W. Lewis, Chairman  
ACRS Systematic Assessment of Experience  
Subcommittee

FROM: *Herman Alderman*  
H. Alderman, Staff Engineer

SUBJECT: INVESTIGATION OF MARCH 20, 1990 EVENT AT VOGTLE  
NUCLEAR POWER PLANT, INVOLVING LOSS OF OFFSITE  
POWER AND FAILURE OF ONSITE POWER ON DEMAND AT  
UNIT 1.

An augmented Inspection Team (AIT) was sent to the site to investigate the event. Because of the safety significance and the potential regulatory questions the event raises, the E.D.O. has requested AEOD to upgrade the AIT to an Incident Investigation Team (IIT). The Institute of Nuclear Power Operations has been requested to participate.

At the time of the incident, March 20, 1990, 9:58 a.m., Unit 1 was in cold shutdown with the B reserve auxiliary transformer and the B emergency diesel generator out of service for maintenance.

The reserve auxiliary transformer supplying offsite power was disabled due to a truck collision.

The A emergency diesel generator started but immediately tripped. Thirty-six minutes into the event, the "A" EDG was manually started, at which time core cooling was reestablished to Unit 1. The Unit 1 reactor coolant temperature peaked at 136°F. and stabilized at 100°F. after emergency AC power was restored.

Onsite power was restored at 10:15 a.m. At 11:29 a.m. the "B" reserve auxiliary transformer was re-energized, restoring normal power to the engineered safeguards bases.

The Unit 2 reactor tripped from 100% power as a result of the truck accident, but did not lose offsite power.

H. W. Lewis, Chairman

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Attached for your information is a memorandum from Mr. James M. Taylor, EDO, to the Commissioners, March 23, 1990 listing:

1. Objectives of the IIT.
2. Composition of the team
3. Incident Investigation Team Charter

Attachment:

As stated

cc: With Attachment:  
ACRS Members  
R. F. Fraley  
R. P. Savio  
G. Quittschreiber