

October 15, 1985

PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE PNO-II-85-95

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 Region II staff on this date.

FACILITY: Virginia Power Company
North Anna Unit 2
Docket No. 50-~~389~~ 339
Mineral, Virginia

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

SUBJECT: OUTAGE IN EXCESS OF 48 HOURS

The Unit is undergoing restart procedures today after being shut down on October 11 after failure of one of its emergency diesel generators to pass routine checks while down for maintenance. The licensee reported that, while paralleled to normal power at about 90 percent load and at rated speed, a procedure violation resulted in disconnecting the electric governor. This caused a rapid load increase which resulted in tripping of the output breaker on overcurrent.

The resulting loss of load with the throttle set to increase led to an overspeed trip. Following completion of maintenance, the machine was restarted but failed to run because of crank case pressure trips. The licensee commenced shutdown of the Unit after a 72-hour action statement was exceeded.

The licensee has subsequently determined that deformation/extrusion of the wrist pin bushings occurred, resulting in piston-to-cylinder contact and scoring. Following consultation with the vendor, the licensee suspects the cause of the problem to be associated with a history of 50 to 70 fast starts of the generator with rapid loads, rather than Friday's overspeed event.

All pistons and two cylinders have been replaced. The plant has completed post repair review and testing. The licensee plans further technical review and testing. The licensee plans further technical review of the problem which will include the vendor and a reliability consultant.

Region II will conduct routine followup.

This information is current as of 3:00 p.m. on October 15.

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Regions: I-4:17, III-4:22, IV-4:44, V-7:44 A.M.
Licensee: 8:12
(Reactor Licensees)
Applicable Resident Site - 8:23 A.M.

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