

Date: 1/23/87

PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE--PNO-II-87-09

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:  
Duke Power Company  
Docket No: 50-370  
McGuire Unit 2  
Cornelius, North Carolina

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

SUBJECT: SHUTDOWN GREATER THAN 48 HOURS

Unit 2 tripped from 100 percent power at 9:53 a.m. (EST) on January 20, when a false hotwell emergency low level signal resulted in a trip of both hotwell pumps, resulting in a loss of condensate flow which caused both condensate booster pumps to trip. This resulted in the loss of both main feedwater pumps, causing a turbine trip which initiated the reactor trip signal.

Linkage binding of the main feedwater pump turbine stop valve caused the "A" main feedwater pump/turbine to overspeed to greater than 7,000 revolutions per minute. The pump's seals failed, allowing water to enter the lubricating oil system.

The licensee is investigating the cause of the event and is keeping the unit shut down for more than 48 hours due to an alignment check on the "B" feedwater pump and repair of the "A" pump, while testing the 2B emergency diesel. Problems were encountered which have caused additional delay of startup.

The NRC resident inspectors will follow up.

The State of North Carolina has been informed.

This information is current as of 2:00 p.m. (EST) on January 23.

CONTACT: T. Peebles, 242-4196 and V. Brownlee, 242-5583

DISTRIBUTION:

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Chairman Zech  
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MNBB <sup>9:52</sup> Phillips <sup>9:53</sup> E/W <sup>11:15</sup> Willste <sup>11:17</sup> Mail: ADM:DMB  
EDO NRR IE NMSS DOT:Trans only  
PA OIA RES  
ELD AEOD  
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Carr <sup>8:57</sup>  
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<sup>RE-214-REL-8:50</sup> RII Resident Office

Licensee - 9:25

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