

March 12, 2001

MEMORANDUM TO: James C. Linville, Team Manager
Special Inspection

Jimi T. Yerokun, Leader
Special Inspection

FROM: Wayne D. Lanning, Director */RA/*
Division of Reactor Safety

SUBJECT: SPECIAL INSPECTION CHARTER - SEABROOK NUCLEAR
POWER STATION

A special inspection has been established to inspect and assess the plant's response to a loss of offsite power that occurred at Seabrook Nuclear Power Station on March 5, 2001. The special inspection team will include:

Manager: James C. Linville, Deputy Director, DRS
Leader: Jimi T. Yerokun, Senior Reactor Inspector, DRS
Members: Alan J. Blamey, Resident Inspector, DRP
Keith A. Young, Reactor Inspector, DRS
James M. Trapp, Senior Reactor Analyst, DRS (In-office support)
Michael J. Maley, Reactor Inspector, DRS (Trainee)

This special inspection is in response to a loss of offsite power that was complicated with some safety related equipment failure and resulted in the declaration of an Unusual Event by the Seabrook Nuclear Power Station on March 5, 2001. The basis for the special inspection is to assess the licensee's root cause evaluation and corrective actions, independently evaluate the risk significance of the loss of offsite power and related equipment failures, and determine possible generic implications.

The special inspection was initiated in accordance with NRC Management Directive 8.3 (draft), NRC Incident Investigation Program. The inspection will be performed in accordance with the guidance of Inspection Procedure 93812, Special Inspection. The report will be issued within 45 days following the exit for the inspection. If you have questions regarding the objectives of the attached charter, please contact James Linville at (610) 337-5129.

Attachment: Special Inspection Charter

Addressees

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Distribution w/Attachment:

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- J. Brand, DRP
- R. Summers, DRP
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OFFICE	RI/DRP		RI/DRP		RI/DRS				
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DATE	03/09/01		03/09/01		03/12/01		03/ /01		03/ /01

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Special Inspection Charter
Seabrook Nuclear Power Station
Loss of Offsite Power and Related Equipment Failures

The objectives of the inspection are to determine the facts surrounding the loss of offsite power and related equipment failures that occurred at Seabrook Nuclear Power Station on March 5, 2001. Specifically, the team should:

1. Assess the adequacy of the licensee's investigation and root cause evaluation of the loss of offsite power and reliance on its emergency diesel generators (EDG) to power its vital buses for an extended period of time.
2. Assess the adequacy of the licensee's corrective actions and extent of condition review for selected loss of offsite power related equipment failures, including as a minimum, an assessment of EDG performance, the failure of the turbine driven emergency feedwater pump to adequately start and run in response to an automatic start signal and the failure of the "C" main steam isolation valve to close in response to a manually initiated signal.
3. Independently evaluate the risk significance of the loss of offsite power and confirm the adequacy of the licensee's risk evaluation through consultation with regional and headquarters Senior Reactor Analysts.
4. Assess the adequacy of the licensee's event classification and notification relative to the LOOP event.
5. Determine possible generic implications associated with the loss of offsite power event and associated equipment failures and significant licensing basis considerations for Seabrook's response to LOOP events including station blackout.
6. Document the inspection findings and conclusions in an inspection report within 45 days of the exit meeting for the inspection.