



DEC 12 2007

LR-N07-0316

United States Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, DC 20555-0001

SALEM GENERATING STATION – UNIT 1 and UNIT 2
FACILITY OPERATING LICENSE NOS. DPR 70 and DPR-75
NRC DOCKET NOS. 50-272 and 50-311

HOPE CREEK GENERATING STATION
FACILITY OPERATING LICENSE NO. NPF-57
NRC DOCKET NO. 50-354

**Subject: RESPONSE TO RAI ON NRC GENERIC LETTER (GL) 2007-01,
“INACCESSIBLE OR UNDERGROUND POWER CABLE FAILURES THAT
DISABLE ACCIDENT MITIGATION SYSTEMS OR CAUSE PLANT
TRANSIENTS”**

- References:
- (1) Letter from Michael J. Chase (NRC) to Addressees, “NRC Generic Letter 2007-01: Inaccessible or Underground Power Cable Failures that Disable Accident Mitigation Systems or Cause Plant Transients,” dated February 7, 2007
 - (2) Letter from George Barnes (Hope Creek) to NRC: “Response to NRC Generic Letter 2007-01, Inaccessible or Underground Power Cable Failures that Disable Accident Mitigation Systems or Cause Plant Transients”, dated May 07, 2007 (Correspondence No. LR-N07-0094)
 - (3) Letter from Thomas P. Joyce (Salem) to NRC: “Response to NRC Generic Letter 2007-01, Inaccessible or Underground Power Cable Failures that Disable Accident Mitigation Systems or Cause Plant Transients”, dated May 07, 2007 (Correspondence No. LR-N07-0095)
 - (4) Letter from Richard B. Ennis (NRC) to William Levis: “Salem Nuclear Generating Station, Unit Nos. 1 and 2, and Hope Creek Generating Station – Request For Additional Information On The Response To Generic Letter 2007-01”, dated November 14, 2007

In References 2 and 3, PSEG Nuclear LLC (PSEG) submitted responses to NRC Generic Letter 2007-01, “Inaccessible or Underground Power Cable Failures that Disable Accident Mitigation Systems or Cause Plant Transients”, dated May 07, 2007 (Reference 1) for Salem Nuclear Generating Station, Units 1 and 2 and Hope Creek Generating Station.

A127
NRR

DEC 12 2007

Document Control Desk
Page 2
LR-N07-0316

The NRC has provided PSEG one Request for Additional Information (RAI) on GL 2007-01 via Reference 4. The common Salem and Hope Creek response to the RAI is provided as an attachment to this submittal.

In accordance with 10CFR50.91(b)(1), a copy of this letter has been sent to the State of New Jersey.

There are no regulatory commitments made in this letter. If you have any questions or require additional information, please do not hesitate to contact Mr. Jeffrie Keenan at (856) 339-5429.

I declare under penalty of perjury that the foregoing is true and correct.

Executed on 12/12/07
(Date)

Sincerely,



Thomas P. Joyce
Senior Vice President - Operations

Attachment

C Mr. S. Collins, Administrator – Region I
U. S. Nuclear Regulatory Commission
475 Allendale Road
King of Prussia, PA 19406

Mr. R. Ennis, Project Manager - Salem Unit 1 and Unit 2
U. S. Nuclear Regulatory Commission
Mail Stop 08B1
Washington, DC 20555-0001

USNRC Senior Resident Inspector – Salem Unit 1 and Unit 2 (X24)

Mr. P. Mulligan
Bureau of Nuclear Engineering
PO Box 415
Trenton, New Jersey 08625

REQUEST FOR ADDITIONAL INFORMATION

REGARDING NRC GENERIC LETTER 2007-01

SALEM NUCLEAR GENERATING STATION, UNIT NOS. 1 AND 2

DOCKET NOS. 50-272 AND 50-311

AND

HOPE CREEK GENERATING STATION

DOCKET NO. 50-354

NRC Original Request (1)

Provide a history of inaccessible or underground power cable failures for all cables that are within the scope of 10 CFR 50.65 (the Maintenance Rule) and for all voltage levels. Indicate the type, manufacturer, date of failure, type of service, voltage class, years of service, and the root causes for the failure.

Original Response For Both Salem and Hope Creek

A review has been completed and no history of failures of inaccessible or underground power cables that are within the scope of 10 CFR 50.65, "Requirements for monitoring the effectiveness of maintenance at nuclear power plants," have been identified. This review examined the plant corrective action program, Maintenance Rule database, maintenance records, interviews with personnel, and a review of the circuit and raceway schedules to identify power cable failures. The scope of the review included alternating current power distribution cables with voltages from 480 VAC to 13,800 VAC. This represents our best effort in that data of this nature was not necessarily recorded in a means that was conducive to identifying cable failures.

RAI

PSEG is requested to confirm that its review included the history of cable failures that occurred prior to July 10, 1996.

Additional Information Response for both Salem and Hope Creek

The Salem and Hope Creek review of cable failures included those that may have occurred prior to July 10, 1996. The searches for power cable failures were performed using the Salem/Hope Creek Document Control and Records Management System database (DCRMS); the cable and raceway database (Genesis); and PSEG nuclear work management system (SAP). Some of the logic in the search included looking for power cables that have been spliced, repaired, or replaced over the life of the plant, since these types of events are often associated with a cable failure. The records in Genesis originated from the former cable and raceway database, EE580, used during plant construction and startup. These records have

Attachment
LR-N07-0316

been maintained using Genesis since that time. Documents in DCRMS provide references to rolls and frames on microfiche for records not stored in electronic format. Therefore, a review of the history of cable failures was not limited to July 10, 1996, but actually included records dating back to the era during the construction of both plants.