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AmerGen SM
An Exelon Company

10 CFR 50.90

2130-04-20089
April 16, 2004

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, DC 20555-0001

Subject: Oyster Creek Generating Station
Facility Operating License No. DPR-16
Docket No. 50-219

Supplement to Oyster Creek License Amendment Request No. 306 – DC Electrical Power Sources Based on TSTF-360 (TAC MB8481).

References:
1. AmerGen Letter No. 2130-03-20058, dated April 21, 2003, License Amendment Request No. 306 – DC Electrical Power Sources Based on TSTF-360 (TAC No. MB8481).
2. Technical Specification Task Force (TSTF) Traveler-360, "DC Electrical Rewrite", Revision 1.

This letter is being sent to supplement License Amendment Request (LAR) No. 306 to modify Technical Specification (TS) requirements for direct current (DC) sources through revision of Specifications 3.7 and 4.7, and addition of new Specification 6.8.5 (Reference 1). The Reference 1 LAR proposed TS requirements that are consistent, except for format, with the requirements of Specifications 3.8.4, 3.8.6 and 5.5.14 described in NUREG-1433, "Standard Technical Specifications, General Electric Plants, BWR/4", Revision 2, which are based on the NRC approved industry/Technical Specification Task Force (TSTF) change TSTF-360, Revision 1 (Reference 2). This supplemental letter provides information regarding an editorial error that was recently identified related to the surveillance requirements (SR) for the Diesel Generator starting batteries.

In Reference 1, AmerGen Energy Company, LLC, proposed reformatting TS 4.7.B to separate the SRs for the Diesel Generator starting batteries and the SRs for station batteries 'B' and 'C'. This proposed reformatting of TS 4.7.B was editorial in nature and no change was proposed to the Diesel Generator starting battery SRs. Subsequent review of Reference 1 determined that the SR to perform weekly monitoring of the Diesel Generator starting battery pilot cell voltage was omitted from the proposed TS 4.7.B. A revised TS page 4.7-1, which includes the SR for Diesel Generator starting battery pilot cell voltage is provided in Enclosure 1. This change corrects an oversight and has no impact on the technical analysis or the No Significant Hazards Consideration Determination submitted in the Reference 1 letter.

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Additionally, Reference 1, submitted to the NRC on April 21, 2003, included a change to TS page 3.7-2. Subsequent to the Reference 1 submittal, NRC issued Amendment 239, which also revised TS page 3.7-2. The revised TS page 3.7-2 from Amendment 239, with the changes proposed in Reference 1, is attached to this letter.

Enclosure 1 contains the marked-up TS pages 3.7-2 and 4.7-1, which supersede the same TS pages submitted with the Reference 1 LAR. Enclosure 2 contains the retyped proposed TS pages 3.7-2 and 4.7-1, which supersede the typed proposed TS pages 3.7-2 and 4.7-1 submitted with the Reference 1 LAR.

There are no additional regulatory commitments contained in this letter.

We are notifying the State of New Jersey of this supplement to the application for changes to the Technical Specifications by transmitting a copy of this letter and its attachment to the designated State Official.

If any additional information is needed, please contact Dave Robillard at (610) 765-5952.

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

Sincerely,

04-16-04
Executed On

Michael P. Gallagher
Director, Licensing & Regulatory Affairs
AmerGen Energy Company, LLC

Enclosures: (1) Oyster Creek Technical Specification Change Request No. 306, Corrected Mark-up of Proposed Technical Specification Pages
(2) Oyster Creek Technical Specification Change Request No. 306, Retyped Technical Specification Pages

cc: H. J. Miller, Administrator, USNRC Region 1
P. S. Tam, USNRC Senior Project Manager, Oyster Creek
R. J. Summers, USNRC Senior Resident Inspector, Oyster Creek
File No. 03042

ENCLOSURE 1

Oyster Creek License Amendment Request No. 306

Corrected Mark-up of Proposed Technical Specification Pages

TS PAGES

3.7-2
4.7-1

not to exceed 7 days if a startup transformer is out of service. None of the engineered safety feature equipment fed by the remaining transformer may be out of service.

2. The reactor may remain in operation for a period not to exceed 7 days if 125 VDC Motor Control Center DC-2 is out of service, provided the requirements of Specification 3.8 are met.

INSERT 3.7.B.3 →

C. Standby Diesel Generators

1. The reactor shall not be made critical unless both diesel generators are operable and capable of feeding their designated 4160 volt buses.

2. If one diesel generator becomes inoperable during power operation, repairs shall be initiated immediately and the other diesel shall be operated at least one hour every 24 hours at greater than 80% rated load until repairs are completed. The reactor may remain in operation for a period not to exceed 7 days if a diesel generator is out of service. During the repair period none of the engineered safety features normally fed by the operational diesel generator may be out of service or the reactor shall be placed in the cold shutdown condition. If a diesel is made inoperable for biennial inspection, the testing and engineered safety feature requirements described above must be met.

3. If both diesel generators become inoperable during power operation, the reactor shall be placed in the cold shutdown condition.

4. For the diesel generators to be considered operable:

   A) There shall be a minimum of 14,000 gallons of diesel fuel in the standby diesel generator fuel tank,

   OR

   B) To facilitate inspection, repair, or replacement of equipment which would require full or partial draining of the standby diesel generator fuel tank, the following conditions must be met:

      1) There shall be a minimum of 14,000 gallons of fuel oil contained in temporary tanker trucks, connected and aligned to the diesel generator fill station.

4.7 AUXILIARY ELECTRICAL POWER

Applicability: Applies to surveillance requirements of the auxiliary electrical supply.

Objective: To verify the availability of the auxiliary electrical supply.

Specification:

A. Diesel Generator

1. Each diesel generator shall be started and loaded to not less than 80% rated load every two weeks.

2. The two diesel generators shall be automatically actuated and functionally tested during each refueling outage. This shall include testing of the diesel generator load sequence timers listed in Table 3.1.1.

3. Deleted.

4. The diesel generators' fuel supply shall be checked following the above tests.

5. The diesel generators' starting batteries shall be tested and monitored per Specification 4.7.B.

B. ~~Station Batteries and~~ Diesel Generator Starting Batteries

1. Weekly surveillance will be performed to verify the following:

<see "COPY 2">

a. The active metallic surface of the plates shall be fully covered with electrolyte in all batteries.

b. ~~The~~ designated pilot cell voltage is ~~greater than or equal to 2.09 volts for Station Battery B and 2.0 volts for Station Battery C while the respective battery is on a float charge.~~

c. ~~b.~~ The overall battery voltage is greater than or equal to ~~125.4 volts for Station Battery B and 120 volts for Station Battery C~~ while the ~~respective~~ battery is on a float charge. ~~(Diesel battery~~ 112 volts ~~)~~

d. ~~c.~~ The pilot cell specific gravity, corrected to 77°F, is greater than or equal to 1.190.

b. The designated pilot cell voltage is greater than or equal to 2.0 volts.

ENCLOSURE 2

Oyster Creek License Amendment Request No. 306

Retyped Technical Specification Pages

TS PAGES

3.7-2
4.7-1

4. Station batteries B and C and an associated battery charger are OPERABLE. Switchgear control power for 4160 volt bus 1D and 460 volt buses 1B2 and 1B3 is provided by 125 VDC Distribution Center DC-B. Switchgear control power for 4160 volt bus 1C and 460 volt buses 1A2 and 1A3 is provided by 125 VDC Distribution Center DC-C.

5. Bus tie breakers ED and EC are in the open position.

B. The reactor shall be PLACED IN the COLD SHUTDOWN CONDITION if the availability of power falls below that required by Specification A above, except that

1. The reactor may remain in operation for a period not to exceed 7 days if a startup transformer is out of service. None of the engineered safety feature equipment fed by the remaining transformer may be out of service.

2. The reactor may remain in operation for a period not to exceed 7 days if 125 VDC Motor Control Center DC-2 is out of service, provided the requirements of Specification 3.8 are met.

3. The reactor may remain in operation provided the requirements of Specification 3.7.D are met.

C. Standby Diesel Generators

1. The reactor shall not be made critical unless both diesel generators are operable and capable of feeding their designated 4160 volt buses.

2. If one diesel generator becomes inoperable during power operation, repairs shall be initiated immediately and the other diesel shall be operated at least one hour every 24 hours at greater than 80% rated load until repairs are completed. The reactor may remain in operation for a period not to exceed 7 days if a diesel generator is out of service. During the repair period none of the engineered safety features normally fed by the operational diesel generator may be out of service or the reactor shall be placed in the cold shutdown condition. If a diesel is made inoperable for biennial inspection, the testing and engineered safety feature requirements described above must be met.

3. If both diesel generators become inoperable during power operation, the reactor shall be placed in the cold shutdown condition.

4. For the diesel generators to be considered operable:

A) There shall be a minimum of 14,000 gallons of diesel fuel in the standby diesel generator fuel tank,

OR

B) To facilitate inspection, repair, or replacement of equipment which would require full or partial draining of the standby diesel generator fuel tank, the following conditions must be met:

1) There shall be a minimum of 14,000 gallons of fuel oil contained in temporary tanker trucks, connected and aligned to the diesel generator fill station.

4.7 AUXILIARY ELECTRICAL POWER

Applicability: Applies to surveillance requirements of the auxiliary electrical supply.

Objective: To verify the availability of the auxiliary electrical supply.

Specification:

A. Diesel Generator

1. Each diesel generator shall be started and loaded to not less than 80% rated load every two weeks.

2. The two diesel generators shall be automatically actuated and functionally tested during each refueling outage. This shall include testing of the diesel generator load sequence timers listed in Table 3.1.1.

3. Deleted.

4. The diesel generators' fuel supply shall be checked following the above tests.

5. The diesel generators' starting batteries shall be tested and monitored per Specification 4.7.B.

B. Diesel Generator Starting Batteries

1. Weekly surveillance will be performed to verify the following:

   a. The active metallic surface of the plates shall be fully covered with electrolyte in all batteries.

   b. The designated pilot cell voltage is greater than or equal to 2.0 volts.

   c. The overall battery voltage is greater than or equal to 112 volts while the battery is on a float charge.

   d. The pilot cell specific gravity, corrected to 77°F, is greater than or equal to 1.190.

2. Quarterly surveillance will be performed to verify the specific gravity for each fourth cell is greater than or equal to 1.190 when corrected to 77°F. The specific gravity and electrolyte temperature of every fourth cell shall be recorded for surveillance review.

3. Annual surveillance will be performed to verify the specific gravity for each cell is greater than or equal to 1.190 when corrected to 77°F. The electrolyte temperature and specific gravity for every cell shall be recorded for surveillance review.