

**From:** Matthew McConnell  
**To:** Siva Lingam  
**Date:** 12/11/2007 12:48:49 PM  
**Subject:** Re: Fwd: Outgoing NRC Correspondence Serial No. 07-0109E:  
Proposed Additional TS Change Operable Defini

Siva,

EEEEB's input is attached. Please let me know if you have any questions.

Matt

>>> Siva Lingam 12/06/2007 10:29 AM >>>  
Please provide a paragraph or two regarding DGs, to include in the safety  
evaluation. Thank you for your help.

>>> Siva Lingam 11/28/2007 3:26 PM >>>  
Reference: Surry 1 and 2 Chilled Water Piping Replacement (TAC Nos.  
MD4622/4623)

Attached please find the licensee's responses to our concerns regarding  
availability of diesel generators (DGs) during implementation of the  
referenced license amendment, especially for two-45 days implementation. These  
responses are the result of our telephone call on October 31, 2007. Probably,  
safety evaluations (SEs) already provided by Andrew and Leta may not be  
affected due to the attached letter. Bruce may have to revise his SE.  
Electrical will provide write-up (may be a paragraph) regarding DGs.

Please review and provide your concurrence/comments/responses/SE, as  
applicable.

Thank you for your help.

>>> < [Vicki.Hull@dom.com](mailto:Vicki.Hull@dom.com) > 11/28/2007 3:00 PM >>>

(See attached file: 07-0109E\_Ltr&AttOnly.pdf) (ADAMS Accession No.  
ML073321271)

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**CC:** George Wilson

In a letter dated September 25, 2007, Virginia Electric and Power Company (Dominion, the licensee) requested amendments, in the form of changes to the Technical Specifications (TS) to Facility Operating License Numbers DPR-32 and DPR-37 for Surry Power Station Units 1 and 2. The proposed TS change would temporarily modify the operability requirements associated with the normal and emergency power sources for the main control room (MCR) and emergency switchgear room (ESGR) air conditioning system (ACS) air handling units. The licensee requested the modification to address expected conditions during replacement of MCR and ESGR ACS chilled water piping. Currently, Surry's operability definition requires that both normal and emergency electrical power sources be capable of performing their related support functions.

Initially, the licensee requested that the modified operability definition apply to the air handling units on the operating chilled water loop as well as the emergency diesel generators for corrective maintenance purposes. In its November 28, 2007, letter, the licensee revised its initial TS change request by deleting the emergency diesel generator corrective maintenance option from the proposed modified operability definition. This change was a result of NRC staff comments that were provided to the licensee on October 12, 2007.

The proposed modified operability definition for the normal and emergency power sources for the air handling units would allow the licensee to perform TS-required surveillances that render an emergency diesel generator inoperable. The staff informed the licensee that if an emergent emergency diesel generator corrective maintenance is required during a required surveillance, the affected air handling units must be declared inoperable due to the inoperability of their emergency power source, and the applicable air handling unit TS actions must be taken. In its November 28, 2007, letter, the licensee stated that procedures are being developed to include direction that, in the event that emergent emergency diesel generator corrective maintenance is identified during a required surveillance, the affected air handling units will be declared inoperable due to the inoperability of their emergency power source, and the applicable air handling TS actions will be taken.

Furthermore, the staff requested that the licensee provide details of what would happen if an actual start signal such as a loss of offsite power or safety injection signal is received during testing, when the auto start circuit is bypassed. In its November 28, 2007, letter, the licensee stated that procedures direct that, during performance of testing, the emergency diesel generator contingency actions must be performed if the emergency diesel generator is required to function as the sole supply of the emergency bus. Thus, the necessary actions to be taken if a start signal is received during surveillance testing are proceduralized. The licensee further stated that these procedures, including contingency actions, are included in Surry Power Station's job performance measure program. Additionally, the licensee conducts a pre-job brief prior to performance of the emergency diesel generator monthly combined monthly/quarterly surveillances that includes a review of the aforementioned procedures, including contingency actions.

The licensee also noted that during temporary 45-day and 14-day allowed outage time entries, equipment availability restrictions would restrict or limit out-of-service time of risk significant plant equipment due to surveillance testing, preventive maintenance, and elective maintenance. The licensee will also implement compensatory measures to ensure the availability of chilled water or to provide backup cooling. The staff finds that these actions provide assurance that the MCR and ESGR ACS will continue to perform its required function.

Based on the above evaluation, the Electrical Engineering Branch (EEEB) staff finds the proposed temporary modification of Surry Power Station Units 1 and 2 TS provides reasonable assurance of the continued availability of the required

electrical power to shut down the reactor and to maintain the reactor in a safe condition after an anticipated operational occurrence or a postulated design-basis accident. The EEEB staff also concludes that the proposed TS changes are in accordance with 10 CFR 50.36 and the requirements of GDCs 17 and 18. Therefore, the staff finds the proposed changes acceptable.

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**Subject:** Re: Fwd: Outgoing NRC Correspondence Serial No. 07-0109E:  
Proposed Additional TS Change Operable Defini  
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**From:** Matthew McConnell  
**Created By:** MXM4@nrc.gov

**Recipients**

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SPL (Siva Lingam)

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GAW1 CC (George Wilson)

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