

## ELECTRICAL POWER SYSTEMS

### SURVEILLANCE REQUIREMENTS (Continued)

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4. Simulating a loss of offsite power by itself, and:
  - a) Verifying de-energization of the emergency busses and load shedding from the emergency busses.
  - b) Verifying the diesel starts on the auto-start signal, energizes the emergency busses with permanently connected loads within 10 seconds, energizes the auto-connected shutdown loads through the sequencing timers and operates for greater than or equal to 5 minutes while its generator is loaded with the shutdown loads. After energization of these loads, the steady state voltage and frequency shall be maintained at  $4160 \pm 420$  volts and  $60 \pm 1.2$  Hz.
5. Verifying that on an ESF actuation test signal (without loss of offsite power) the diesel generator starts on the auto-start signal and operates on standby for greater than or equal to 5 minutes.
6. Simulating a loss of offsite power in conjunction with an ESF actuation test signal, and
  - a) Verifying de-energization of the emergency busses and load shedding from the emergency busses.
  - b) Verifying the diesel starts from ambient condition on the auto-start signal, energizes the emergency busses with permanently connected loads within 10 seconds, energizes the auto-connected emergency (accident) loads through the sequencing times and operates for greater than or equal to 5 minutes while its generator is loaded with the emergency loads and maintains the steady state voltage and frequency at  $4160 \pm 420$  volts and  $60 \pm 1.2$  Hz.
  - c) Verifying that all diesel generator trips, except engine overspeed, generator differential and breaker over current are automatically bypassed upon loss of voltage on the emergency bus and/or a safety injection actuation signal.

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7. Verifying the diesel generator operates for at least 24 hours. During the first 2 hours of this test, the diesel generator shall be loaded to greater than or equal to 3025 kw and during the remaining 22 hours of this test, the diesel generator shall be loaded to greater than or equal to 2750 kw. Within 5 minutes after completing this 24-hour test, perform Specification 4.8.1.1.2.c.4.
8. Verifying that the auto-connected loads to each diesel generator do not exceed the 2000 hour rating of 3000 kw.
9. Verifying the diesel generator's capability to:
  - a) Synchronize with the offsite power source while the generator is loaded with its emergency loads upon a simulated restoration of offsite power,
  - b) Transfer its loads to the offsite power source, and
  - c) Proceed through its shutdown sequence.
10. Verifying that the following diesel generator lockout features prevent diesel generator starting only when required:
  - a) Remote Local Selection Switch
  - b) Emergency Stop Switch
- d. At least once per 10 years or after any modifications which could affect diesel generator interdependence by starting both diesel generators simultaneously, during shutdown, and verifying that both diesel generators accelerate to at least 900 rpm in less than or equal to 10 seconds.

4.8.1.1.3 Each diesel generator 125-volt battery bank and charger shall be demonstrated OPERABLE:

- a. At least once per 7 days by verifying that:
  1. The electrolyte level of each pilot cell is between the minimum and maximum level indication marks,
  2. The pilot cell specific gravity, corrected to 77°F and full electrolyte level, is greater than or equal to 1.200,
  3. The pilot cell voltage is greater than or equal to 2.08 volts, and

ATTACHMENT 2

#### DISCUSSION OF PROPOSED TECHNICAL SPECIFICATION CHANGE

The proposed changes to the North Anna Unit 2 Technical Specifications will revise Surveillance Requirement 4.8.1.1.2.c.6 on Emergency Diesel Generator Testing. In addition, proceeding surveillance requirements shall be re-numbered appropriately. These revisions will provide consistency between the North Anna Unit 1 and 2 Technical Specifications and also with the Standardized Technical Specifications for Westinghouse PWR's. The proposed revisions are recommended by NRC Generic Letter 83-30. The Generic Letter states that the additional testing required by Surveillance Requirement 4.8.1.1.2.c.6 is not consistent with GDC 17, Regulatory Guide 1.108, and the NRC Standard Review Plan. Moreover, it states that this test should be deleted. The proposed change will also reduce the number of ambient fast starts - a concern expressed in NRC Generic Letter 83-41.

This proposed change does not pose a significant hazards condition as stated in the Federal Register dated April 6, 1983, page 14870; example (vi) "...the results of the change are clearly within all acceptable criteria with respect to the system or component specified in the Standard Review Plan" as delineated in NRC Generic Letter 83-30 dated July 21, 1983, example (vii) "A change to make a license conform to changes in the regulations where the license change results in very minor changes to the facility operations clearly keeping within regulations."