

ATTACHMENT 1

Proposed Technical Specification Changes

to

Section 4.8.1.1.2.c.5.

FNP-1 & 2

## ELECTRICAL POWER SYSTEMS

### SURVEILLANCE REQUIREMENTS (Continued)

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operates for greater than or equal to 5 minutes while its generator is loaded with the emergency loads. After energization, the steady state voltage and frequency of the emergency busses shall be maintained at  $4160 \pm 420$  volts and  $60 \pm 1.2$  Hz during this test.

- c) Verifying that all automatic diesel generator trips, except engine overspeed and generator differential and low lube oil pressure, are automatically bypassed upon loss of voltage on the emergency bus and/or a safety injection test signal.
5. Verify that the diesel generators operate for 24 hours while loaded to 4353 kw\* for the 4075 kw diesels and 3100\* for the 2850 kw diesels (2000 hour rating). After completing this 24-hour test, manually trip the diesel generator from the 2000-hour\* load and demonstrate hot restart capability by performing Surveillance Requirement 4.8.1.1.2.a.4 within 10 minutes.
6. Verifying that the auto-connected loads to each diesel generator do not exceed the 2000-hour rating of 4353 kw for the 4075 kw generator and 3100 kw for the 2850 kw generator.
7. 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) Be restored to its standby status.
8. Verifying that with the diesel generators operating in a test mode (connected to its bus), a simulated safety injection signal overrides the test mode by returning the diesel generator to standby operation.
9. Verifying that the automatic load sequence timer is OPERABLE with each load sequence time within  $\pm 10\%$  of its required value or 0.5 seconds whichever is greater.
10. Verifying that the following diesel generator lockout features prevent diesel generator starting only when required:
  - a) Oil Temperature High (OTH)

\* For a one-time period only that expires on September 1, 1983, the load shall be as shown (i.e., the 2000-hour ratings) for a minimum of 2 hours and for the remainder of the 24-hour period, the loads shall be at the continuous rating.

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ATTACHMENT 2

Joseph M. Farley Nuclear Plant Diesel Generator Load Testing Summary

Diesel Generator	Test Date	Duration of Load Testing		
		300-Hour Rating	2000-Hour Rating	Continuous Rating
1-2A	1973 (1)	2 hours	1 hour	2 hours
	2/14/77 (2)	2 hours	-	8 hours
	4/26/81 (3)	2 hours	-	22 hours (4)
	5/2/81 (3)	2 hours		14 hours (5)
	5/3/81 (3)	2 hours	-	16 hours (6)
	5/4/81 (3)	2 hours	-	22 hours
1B	1973 (1)	2 hours	1 hour	2 hours
	2/18/77 (2)	2 hours	-	8 hours
2B	1975 (1)	2 hours	1 hour	2 hours
	11/14/79 (2)	2 hours	-	8 hours
	5/6/81 (3)	2 hours	-	18 hours (7)
	5/7/81 (3)	2 hours	-	22 hours
1C	1974 (1)	2 hours	1 hour	5 hours
	1/19-20/77(2)	2 hours	-	8 hours
	4/30/81 (3)	2 hours	-	22 hours
2C	1973 (1)	2 hours	1 hour	4 hours
	1/27/77 (2)	2 hours	-	8 hours
	5/6/81 (3)	2 hours	-	22 hours

- (1) Production (shop) testing.
- (2) Pre-operation (field) testing.
- (3) 24-hour endurance testing.
- (4) Voltage recorder data did not document passing the acceptance criteria thus requiring a retest.

- (5) A clogged strainer caused test termination prior to completion.
- (6) A lube oil leak caused test termination prior to completion.
- (7) A fuel oil leak cause test termination prior to completion.