

ATTACHMENT B
MARKED-UP TECHNICAL SPECIFICATIONS

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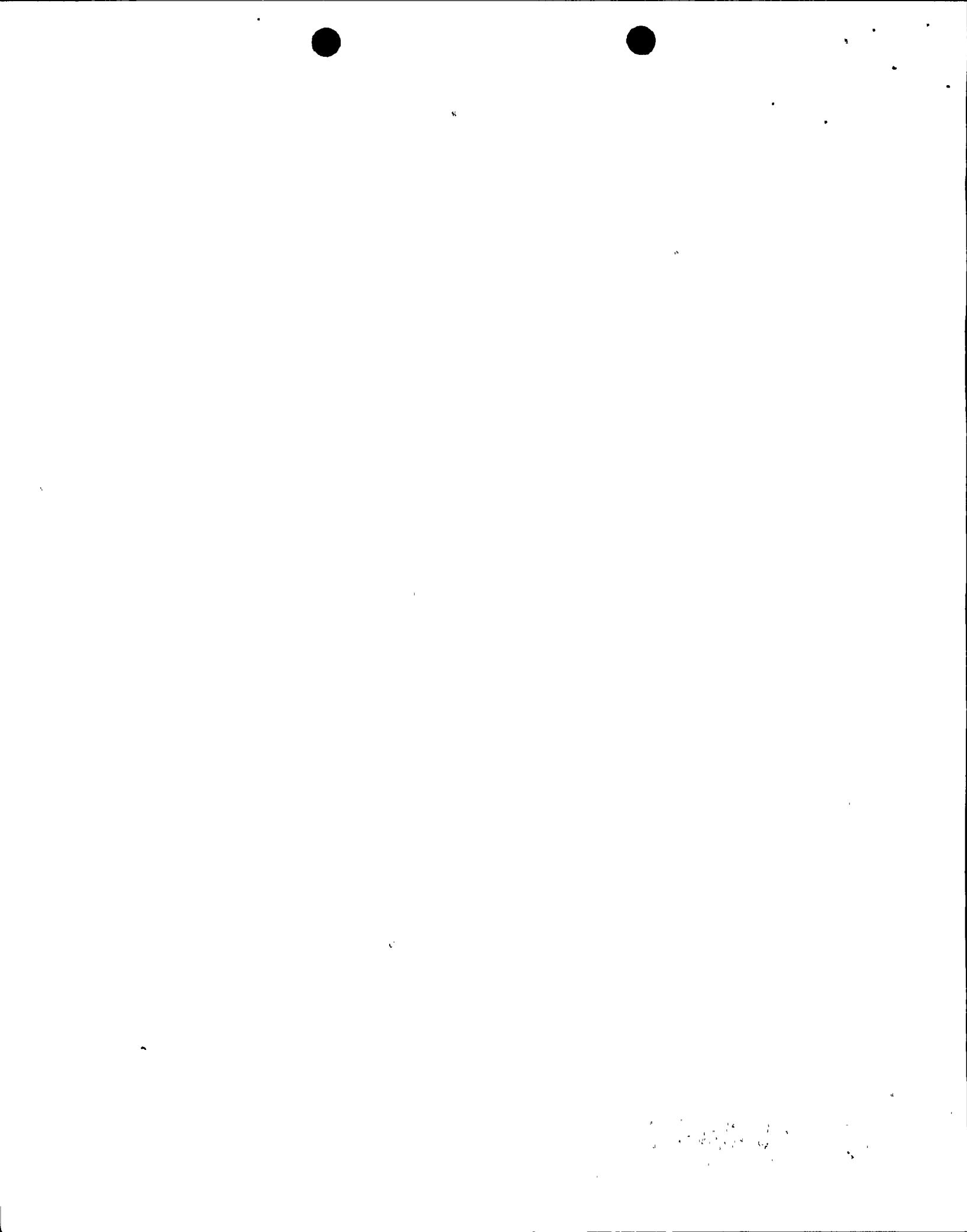
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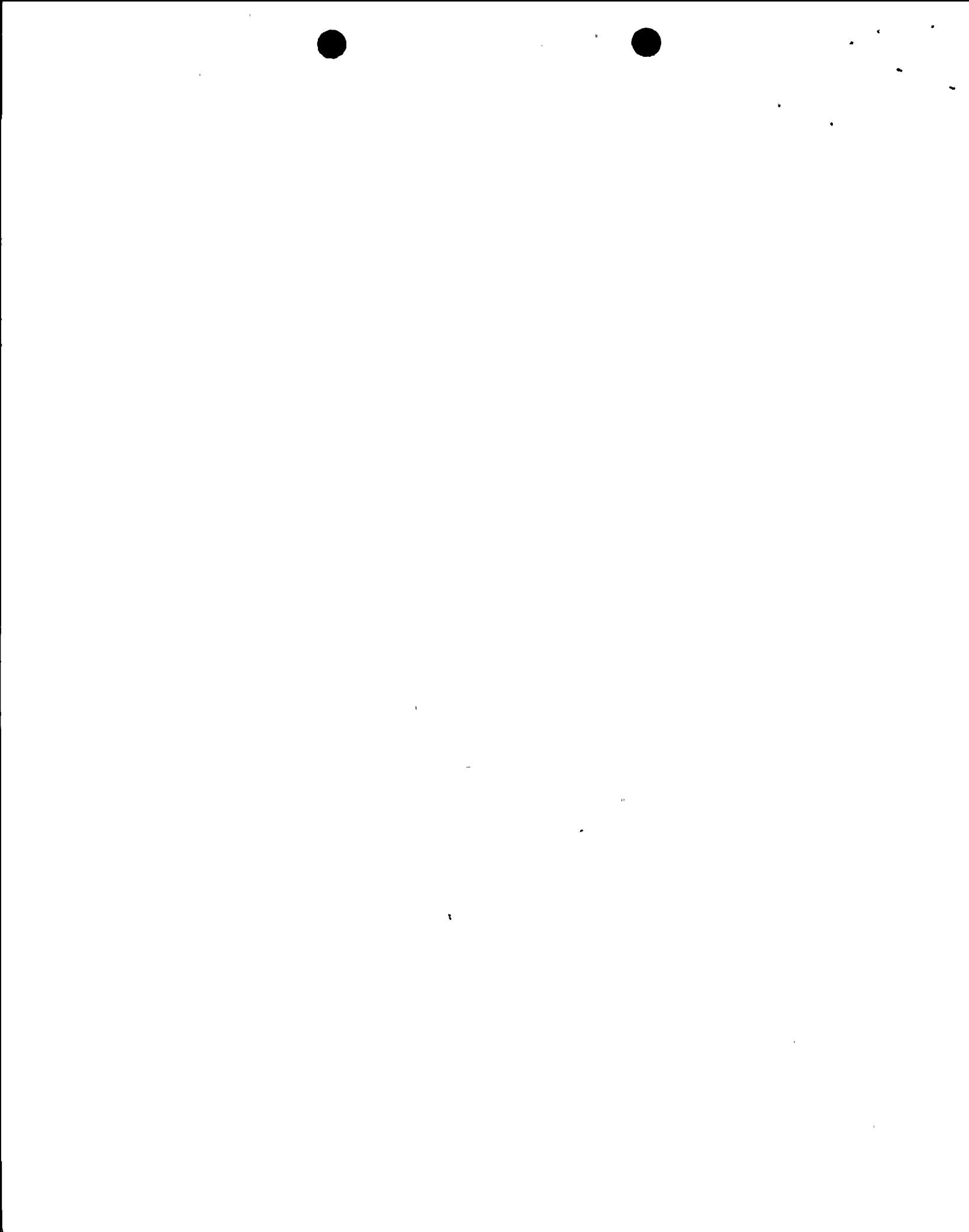
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- 6) Verifying that on a Safety Injection test signal without loss of offsite power, the diesel generator starts on the auto-start signal and operates on standby for greater than or equal to 5 minutes. The generator voltage and frequency shall be $4160 + 240/-375$ volts and 60 ± 1.2 Hz within 13 seconds after the auto-start signal; the steady state generator voltage and frequency shall be maintained within these limits during this test;
- 7) Simulating a loss of offsite power in conjunction with a Safety Injection test signal, 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 emergency (accident) loads through sequencing timers and operates for greater than or equal to 5 minutes while its generator is loaded with the emergency loads. After energization of these loads, the steady state voltage and frequency of the emergency busses shall be maintained at $4160 + 240/-375$ volts and 60 ± 1.2 Hz during this test; and
 - c) Verifying that all automatic diesel generator trips, except engine overspeed, low lube oil pressure and generator differential, are bypassed when the diesel engine trip cutout switch is in the cutout position and the diesel is aligned for automatic operation.
- 8) 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 2750 kW and during the remaining 22 hours of this test, the diesel generator shall be loaded to greater than or equal to 2484 kW. The generator voltage and frequency shall be $4160 + 240/-375$ volts and 60 ± 1.2 Hz within 13 seconds after the start signal. Within 5 minutes after completing this 24 hour test, perform Specification 4.8.1.1.2b.5);*
- 9) Verifying that the auto-connected loads to each diesel generator do not exceed the maximum rating of 2750 kW;
- 10) Verifying the diesel generator's capability to:

*If Specification 4.8.1.1.2b.5) is not satisfactorily completed, it is not necessary to repeat the preceding 24-hour test. Instead the diesel generator may be operated at 2484 kW for 1 hour or until operating temperature has stabilized.

For Units 1 and 2 Cycle 7:



ELECTRICAL POWER SYSTEM

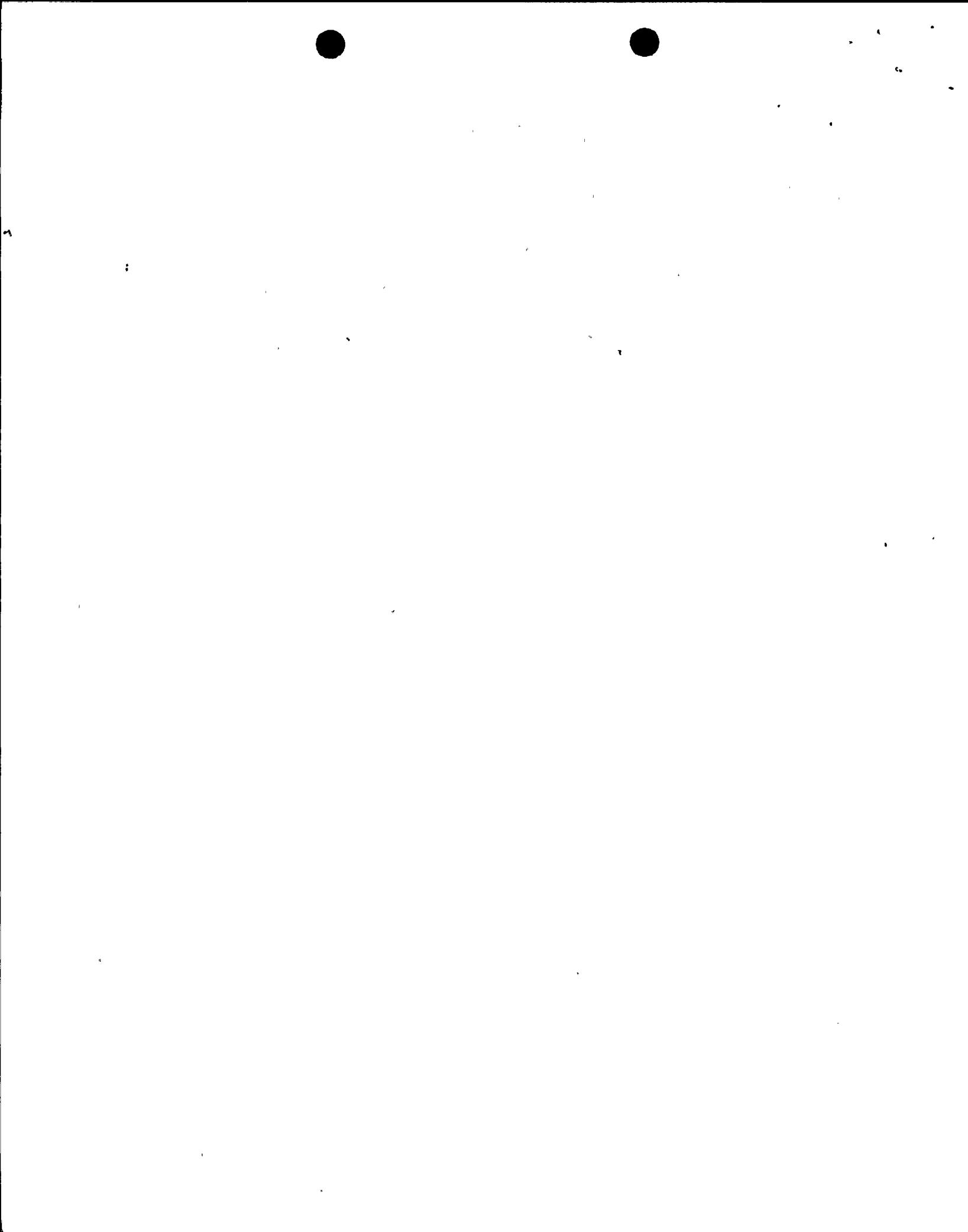
SURVEILLANCE REQUIREMENTS (Continued)

- a) Synchronize its isolated bus 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.
- 11) Verifying that with the diesel generator operating in a test mode, connected to its bus, a simulated Safety Injection signal opens the auxiliary transformer breaker and automatically sequences the emergency loads onto the diesel generator; and
- 12) Verifying that the shutdown relay lockout feature prevents diesel generator starting only when required:
- a) Generator differential current-high, or
 - b) Engine lube oil pressure-low, or
 - c) Emergency stop button actuated, or
 - d) Overspeed trip actuated.
- c. At least once per 10 years or after any modifications which could affect diesel generator interdependence by starting all diesel generators simultaneously, during shutdown, and verifying that all diesel generators accelerate to at least 900 rpa in less than or equal to 10 seconds.
- d. At least once per 31 days and after each operation of the diesel where the period of operation was greater than or equal to 1 hour by checking for and removing accumulated water from the day tank.

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4.8.1.1.3 The Diesel Fuel Oil Storage and Transfer System shall be demonstrated OPERABLE:

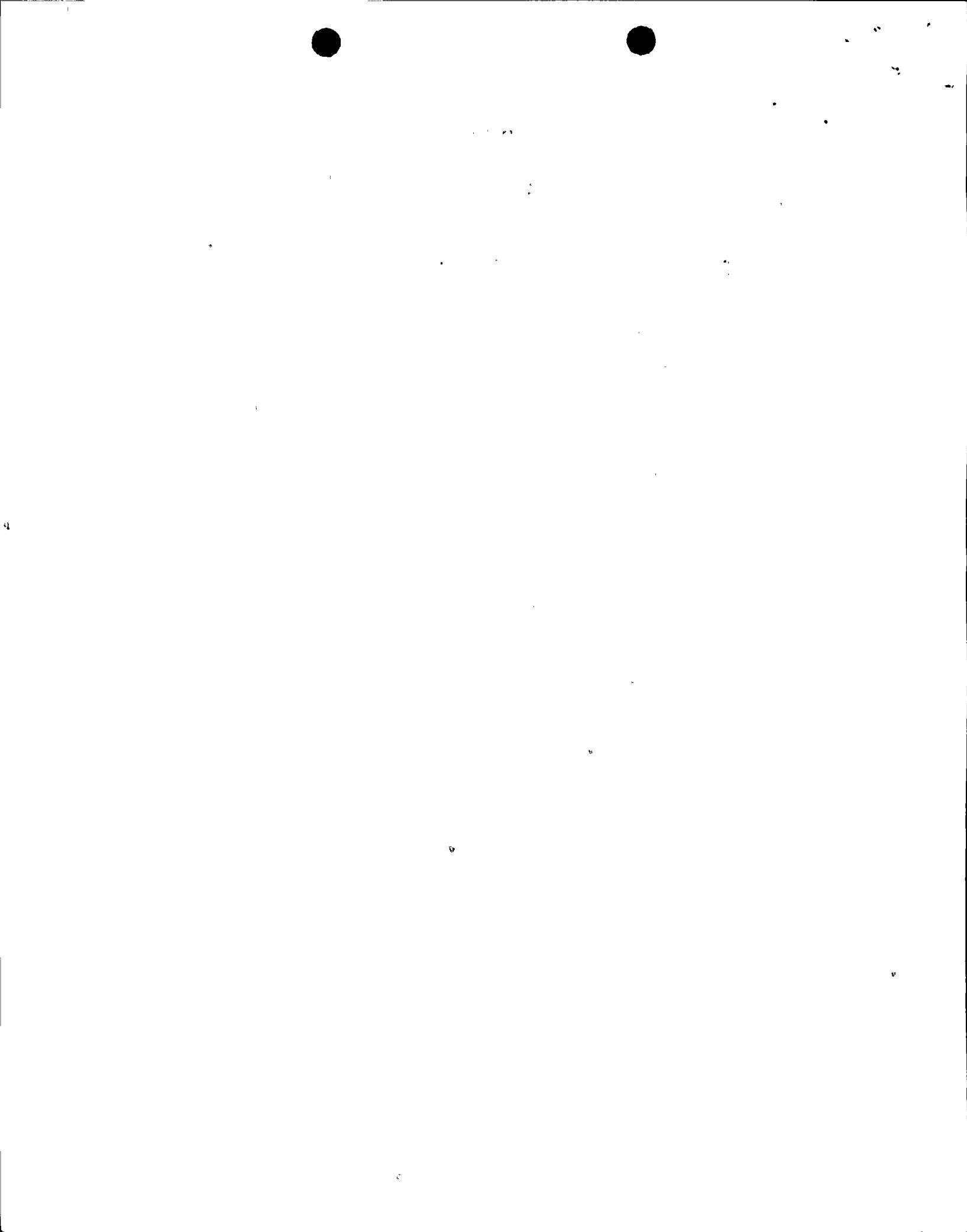
- a. At least once per 31 days by:
 - 1) Verifying the fuel level in the fuel storage tank, and
 - 2) Verifying that each fuel transfer pump starts and transfers fuel from the storage system to each engine-mounted tank via installed lines.
- b. At least once per 31 days by checking for and removing accumulated water from the fuel oil storage tanks;
- c. By sampling new fuel oil in accordance with ASTM-D4057 prior to addition to the storage tanks and:



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e. For Units 1 and 2, Cycle 8 and after:

At least once per 18 months by verifying the diesel generator starts and accelerates to at least 900 rpm in less than or equal to 10 seconds. The generator voltage and frequency shall be $4160 +240/-375$ volts and 60 ± 1.2 Hz within 13 seconds after the start signal. This test shall be performed within 5 minutes of shutting down the diesel generator after the diesel generator has operated for at least 2 hours at a load of greater than or equal to 2484 kW.



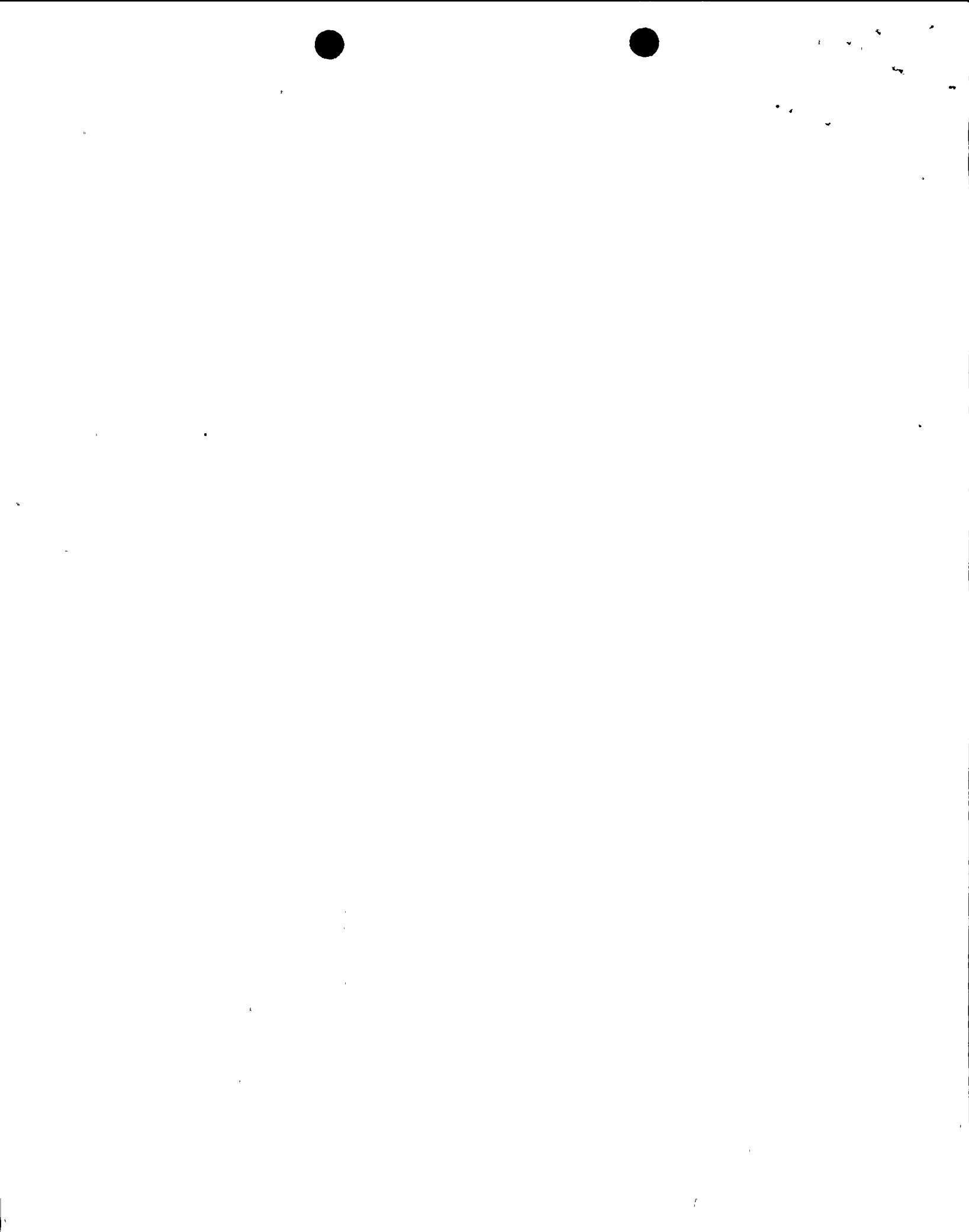
ATTACHMENT C

PROPOSED TECHNICAL SPECIFICATION PAGES



- 6) Verifying that on a Safety Injection 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. The generator voltage and frequency shall be $4160 + 240/-375$ volts and 60 ± 1.2 Hz within 13 seconds after the auto-start signal; the steady state generator voltage and frequency shall be maintained within these limits during this test;
 - 7) Simulating a loss of offsite power in conjunction with a Safety Injection test signal, 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 emergency (accident) loads through sequencing timers and operates for greater than or equal to 5 minutes while its generator is loaded with the emergency loads. After energization of these loads, the steady state voltage and frequency of the emergency busses shall be maintained at $4160 + 240/-375$ volts and 60 ± 1.2 Hz during this test; and
 - c) Verifying that all automatic diesel generator trips, except engine overspeed, low lube oil pressure and generator differential, are bypassed when the diesel engine trip cutout switch is in the cutout position and the diesel is aligned for automatic operation.
 - 8) 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 2750 kW and during the remaining 22 hours of this test, the diesel generator shall be loaded to greater than or equal to 2484 kW. The generator voltage and frequency shall be $4160 + 240/-375$ volts and 60 ± 1.2 Hz within 13 seconds after the start signal.
- For Units 1 and 2 Cycle 7:
- Within 5 minutes after completing this 24 hour test, perform Specification 4.8.1.1.2b.5)b);*
- 9) Verifying that the auto-connected loads to each diesel generator do not exceed the maximum rating of 2750 kW;
 - 10) Verifying the diesel generator's capability to:

*For Units 1 and 2 Cycle 7: If Specification 4.8.1.1.2b.5)b) is not satisfactorily completed, it is not necessary to repeat the preceding 24-hour test. Instead the diesel generator may be operated at 2484 kW for 1 hour or until operating temperature has stabilized.



- a) Synchronize its isolated bus 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.
- 11) Verifying that with the diesel generator operating in a test mode, connected to its bus, a simulated Safety Injection signal opens the auxiliary transformer breaker and automatically sequences the emergency loads onto the diesel generator; and
- 12) Verifying that the shutdown relay lockout feature prevents diesel generator starting only when required:
- a) Generator differential current-high, or
 - b) Engine lube oil pressure-low, or
 - c) Emergency stop button actuated, or
 - d) Overspeed trip actuated.
- c. At least once per 10 years or after any modifications which could affect diesel generator interdependence by starting all diesel generators simultaneously, during shutdown, and verifying that all diesel generators accelerate to at least 900 rpm in less than or equal to 10 seconds.
- d. At least once per 31 days and after each operation of the diesel where the period of operation was greater than or equal to 1 hour by checking for and removing accumulated water from the day tank.
- e. For Units 1 and 2 Cycle 8 and after:

At least once per 18 months by verifying the diesel generator starts and accelerates to at least 900 rpm in less than or equal to 10 seconds. The generator voltage and frequency shall be $4160 +240/-375$ volts and 60 ± 1.2 Hz within 13 seconds after the start signal. This test shall be performed within 5 minutes of shutting down the diesel generator after the diesel generator has operated for at least 2 hours at a load of greater than or equal to 2484 kW.

4.8.1.1.3 The Diesel Fuel Oil Storage and Transfer System shall be demonstrated OPERABLE:

- a. At least once per 31 days by:
 - 1) Verifying the fuel level in the fuel storage tank, and
 - 2) Verifying that each fuel transfer pump starts and transfers fuel from the storage system to each engine-mounted tank via installed lines.
- b. At least once per 31 days by checking for and removing accumulated water from the fuel oil storage tanks;
- c. By sampling new fuel oil in accordance with ASTM-D4057 prior to addition to the storage tanks and:

