

Attachment 3

Specification markups

9611220163 961115  
PDR ADOCK 05000458  
P PDR

SR 3.8.1.12

-----NOTE-----  
This Surveillance shall not be performed in  
MODE 1, 2, or 3. However, credit may be  
taken for unplanned events that satisfy  
this SR.  
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Verify each DG's automatic trips are  
bypassed on an actual or simulated ECCS  
initiation signal except:

- a. Engine overspeed; and
- b. Generator differential current.

18 months

SR 3.8.1.13

-----NOTES-----  
1. Momentary transients outside the load  
and power factor ranges do not  
invalidate this test.  
2. ~~This Surveillance shall not be  
performed in MODE 1 or 2. However,~~  
credit may be taken for unplanned  
events that satisfy this SR.  
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Verify each DG operating at a power factor  
 $\leq 0.9$ , operates for  $\geq 24$  hours:

- a. For DG 1A and DG 1B loaded  $\geq 3030$  kW  
and  $\leq 3130$  kW; and
- b. For DG 1C:
  - 1. For  $\geq 2$  hours loaded  $\geq 2750$  kW and  
 $\leq 2850$  kW, and
  - 2. For the remaining hours of the  
test loaded  $\geq 2500$  kW and  $\leq 2600$   
kW.

18 months

(continued)

## BASES

### SURVEILLANCE REQUIREMENTS

#### SR 3.8.1.13 (continued)

equivalent to the continuous rating of the DG, and 2 hours of which is at a load equivalent to 110% of the continuous duty rating of the DG. An exception to the loading requirements is made for DG 1A and DG 1B. DG 1A and DG 1B are operated for 24 hours at a load greater than or equal to the maximum expected post accident load. Load carrying capability testing of the Transamerica Delaval Inc. (TDI) diesel generators (DG 1A and DG 1B) has been limited to a load less than that which corresponds to 201 psig brake mean effective pressure (BMEP). Therefore, full load testing is performed at a load  $\geq 3030$  kW but  $< 3130$  kW. The DG starts for this Surveillance can be performed either from standby or hot conditions. The provisions for prelube and warmup, discussed in SR 3.8.1.2, and for gradual loading, discussed in SR 3.8.1.3, are applicable to this SR.

In order to ensure that the DG is tested under load conditions that are as close to design conditions as possible, testing must be performed using a power factor  $\leq 0.9$ . This power factor is chosen to be representative of the actual design basis inductive loading that the DG could experience.

The 18 month Frequency is consistent with the recommendations of Regulatory Guide 1.108 (Ref. 9), paragraph 2.a.(3); takes into consideration plant conditions required to perform the Surveillance; and is intended to be consistent with expected fuel cycle lengths.

This Surveillance is modified by two Notes. Note 1 states that momentary transients due to changing bus loads do not invalidate this test. The load band is provided to avoid routine overloading of the DG. Routine overloading may result in more frequent teardown inspections in accordance with vendor recommendations in order to maintain DG OPERABILITY. Similarly, momentary power factor transients above the limit do not invalidate the test. The reason for Note 2 is that ~~during operation with the reactor critical, performance of this SR could cause perturbations to the electrical distribution systems that would challenge continued steady state operation and, as a result, plant safety systems.~~ Credit may be taken for unplanned events

(continued)