

FLORIDA POWER CORPORATION

CRYSTAL RIVER UNIT 3

DOCKET NUMBER 50-302 / LICENSE NUMBER DPR-72

ATTACHMENT B

**LICENSE AMENDMENT REQUEST #250, REVISION 0
EMERGENCY DIESEL GENERATOR
LOSS OF POWER START INSTRUMENTATION**

**Proposed ITS and ITS Bases Change Pages
Strikeout / Shadow Format**

Strikeout Text	indicates deleted text
Shadowed text	indicates added text

SURVEILLANCE REQUIREMENTS

SURVEILLANCE	FREQUENCY
<p>SR 3.3.8.1 -----NOTE----- When EDG LOPS instrumentation is placed in an inoperable status solely for performance of this Surveillance, entry into associated Conditions and Required Actions may be delayed as follows: (a) up to 4 hours for the degraded voltage function, and (b) up to 4 hours for the loss of voltage function, is not required provided the two channels monitoring the function for the bus are OPERABLE or tripped applicable Condition(s) and Required Actions for the EDG made inoperable by EDG LOPS are entered. ----- Perform CHANNEL FUNCTIONAL TEST.</p>	<p>31 days OR -----NOTE----- Not effective after November 23, 1997. ----- 60 days</p>
<p>SR 3.3.8.2 -----NOTE----- Voltage sensors may be excluded from CHANNEL CALIBRATION. ----- Perform CHANNEL CALIBRATION with setpoint Allowable Value as follows:</p> <ul style="list-style-type: none"> a. Degraded voltage ≥ 3933 and ≤ 3970 V with a time delay of 5.0 seconds ± 0.5 seconds; and b. Sudden loss of voltage from full voltage to 0.0 V with a time delay of 7.8 seconds ± 0.55 seconds at 0.0 V. 	<p>18 months</p>

BASES

ACTIONS
(continued)

C.1

Condition C is the default Condition should Required Action A.1 or B.1 not be met within the associated Completion Time.

Required Action C.1 ensures that Required Actions for affected diesel generator inoperabilities are initiated. Depending on MODE, the Actions specified in LCO 3.8.1, "AC Sources-Operating," or LCO 3.8.2, are required to be entered immediately.

SURVEILLANCE
REQUIREMENTS

SR 3.3.8.1

A CHANNEL FUNCTIONAL TEST is performed on each required EDG LOPS channel to ensure the entire channel will perform the intended function. This test ensures functionality of each channel to output relays.

The Frequency of 31 days is considered reasonable based on the reliability of the components and on operating experience.

~~A temporary extension of the frequency has been made to indicate "31 days or 60 days" as the frequency. This temporary condition applies to a one-time performance of the surveillance on each diesel generator and will not be effective after November 23, 1997. The need for this temporary extension of the frequency became evident during replacement of the radiator on the EDGs. This activity had a minimum duration of 42 days, which was in excess of the 31 day frequency. Performance of the surveillance on one EDG with the other EDG inoperable because of the radiator replacement was considered as not the safest and most prudent course of action. A note has been added to the frequency to indicate that the 60-day frequency is not effective after November 23, 1997.~~

A Note has been added to allow performance of the SR without taking the ACTIONS for an inoperable instrumentation channels although during this time period the relay instrumentation cannot initiate a diesel start. This allowance is based on the assumption that the EDG is maintained inoperable during this functional test and the appropriate actions for the inoperable EDG are entered. 4 hours is the average time required to perform channel Surveillance. The 4 hour testing allowance does not significantly reduce the availability of the EDG.

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ATTACHMENT C

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LOSS OF POWER START INSTRUMENTATION**

**Proposed ITS and ITS Bases Change Pages
Revision Bar Format**

SURVEILLANCE REQUIREMENTS

SURVEILLANCE	FREQUENCY
<p>SR 3.3.8.1 -----NOTE----- When EDG LOPS instrumentation is placed in an inoperable status solely for performance of this Surveillance, entry into associated Conditions and Required Actions is not required provided the applicable Condition(s) and Required Actions for the EDG made inoperable by EDG LOPS are entered. ----- Perform CHANNEL FUNCTIONAL TEST.</p>	<p>31 days</p>
<p>SR 3.3.8.2 -----NOTE----- Voltage sensors may be excluded from CHANNEL CALIBRATION. ----- Perform CHANNEL CALIBRATION with setpoint Allowable Value as follows:</p> <ul style="list-style-type: none"> a. Degraded voltage ≥ 3933 and ≤ 3970 V with a time delay of 5.0 seconds ± 0.5 seconds; and b. Sudden loss of voltage from full voltage to 0.0 V with a time delay of 7.8 seconds ± 0.55 seconds at 0.0 V. 	<p>18 months</p>

BASES

ACTIONS
(continued)

C.1

Condition C is the default Condition should Required Action A.1 or B.1 not be met within the associated Completion Time.

Required Action C.1 ensures that Required Actions for affected diesel generator inoperabilities are initiated. Depending on MODE, the Actions specified in LCO 3.8.1, "AC Sources-Operating," or LCO 3.8.2, are required to be entered immediately.

SURVEILLANCE
REQUIREMENTS

SR 3.3.8.1

A CHANNEL FUNCTIONAL TEST is performed on each required EDG LOPS channel to ensure the entire channel will perform the intended function. This test ensures functionality of each channel to output relays.

The Frequency of 31 days is considered reasonable based on the reliability of the components and on operating experience.

A Note has been added to allow performance of the SR without taking the ACTIONS for inoperable instrumentation channels although during this time period the relay instrumentation cannot initiate a diesel start. This allowance is based on the assumption that the EDG is maintained inoperable during this functional test and the appropriate actions for the inoperable EDG are entered.

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