

TABLE 3.3-4 (Continued)

ENGINEERED SAFETY FEATURE ACTUATION SYSTEM INSTRUMENTATION TRIP VALUES

<u>FUNCTIONAL UNIT</u>	<u>TRIP VALUE</u>	<u>ALLOWABLE VALUES</u>
6. LOSS OF POWER		
a. (1) 4.16 kv Emergency Bus Undervoltage (Loss of Voltage)*	2900 + 29 volts with a $1 \pm .5$ second time delay	2900 + 29 volts with a $1 \pm .5$ second time delay
b. 4.16 kv Emergency Bus Undervoltage (Degraded Voltage)		
(1) Undervoltage Device #1*	3675 + 36 volts with a 7 ± 1 minute time delay	3675 + volts with a 7 ± 1 minute time delay
(2) Undervoltage Device #2*	3592 + 36 volts with a 18 ± 2 second time delay	3592 + 36 volts with a 18 ± 2 second time delay
c. 480 volts Emergency Bus Undervoltage (Degraded Voltage)*	429 +5 -0 volts with a 7 ± 1 second time delay	429 +5 -0 volts with a 7 ± 1 second time delay
7. AUXILIARY FEEDWATER	$\geq 30\%$ level	$\geq 30\%$ level

* This specification will not be in effect until the Plant Change modifications are complete.

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St. Lucie Unit 1

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TABLE 4.3-2 (Continued)

ENGINEERED SAFETY FEATURE ACTUATION SYSTEM INSTRUMENTATION SURVEILLANCE REQUIREMENTS

<u>FUNCTIONAL UNIT</u>	<u>CHANNEL CHECK</u>	<u>CHANNEL CALIBRATION</u>	<u>CHANNEL FUNCTIONAL TEST</u>	<u>MODES IN WHICH SURVEILLANCE REQUIRED</u>
6. LOSS OF POWER				
a. 4.16 kv Emergency Bus Under-voltage (Loss of Voltage)*	S	R	M	1, 2, 3
b. 4.16 kv Emergency Bus Under-voltage (Degraded Voltage)				
(1) Undervoltage Device #1*	S	R	M	1, 2, 3
(2) Undervoltage Device #2*	S	R	M	1, 2, 3
b. 480 V Emergency Bus Under-voltage (Degraded Voltage)*	S	R	M	1, 2, 3
7. AUXILIARY FEEDWATER				
a. Auto Start	----- (See Surveillance 4.7.1.2.b) -----			
b. Steam Generator	----- (See RPS Table 4.3-1) -----			

* These specifications will not be in effect until the Plant Change/Modifications are completed.

St. Lucie Unit 1

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TABLE 3.3-3 (Continued)

ENGINEERED SAFETY FEATURE ACTUATION SYSTEM INSTRUMENTATION

<u>FUNCTIONAL UNIT</u>	<u>TOTAL NO. OF CHANNELS</u>	<u>CHANNELS TO TRIP</u>	<u>MINIMUM CHANNELS OPERABLE</u>	<u>APPLICABLE MODES</u>	<u>ACTION</u>
5. CONTAINMENT SUMP RECIRCULATION (RAS)					
a. Manual RAS (Trip Buttons)	2	1	2	1, 2, 3, 4	8
b. Refueling Water Tank-Low	4	2	3	1, 2, 3	9#
6. LOSS OF POWER					
a. 4.16 kv Emergency Bus Undervoltage (Loss of Voltage)*	2/Bus	2/Bus	1/Bus	1, 2, 3	12
b. 4.16 kv Emergency Bus Undervoltage (Degraded Voltage)					
(1)Undervoltage Device #1*	2/Bus	2/Bus	1/Bus	1, 2, 3	12
(2)Undervoltage Device #2*	2/Bus	2/Bus	1/Bus	1, 2, 3	12
c. 480 V Emergency Bus undervoltage (Degraded Voltage)*	2/Bus	2/Bus	1/Bus	1, 2, 3	12
7. AUXILIARY FEEDWATER AUTOMATIC START					
Steam Generator (SG) Level Instruments	4/SG	2/SG ^{1/}	2/SG	1, 2, 3	11

* These specifications will not be in effect until the related Plant Change Modifications are complete.

¹ 2/SG for either steam generator will start one train of AFW.

St. Lucie Unit 1

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TABLE 3.3-3 (Continued)

TABLE NOTATION

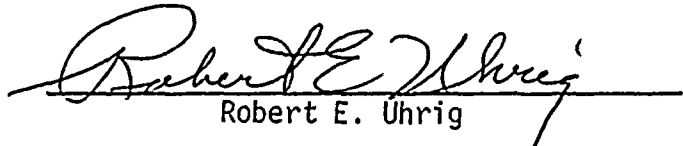
- ACTION 10 - With the number of OPERABLE channels one less than the Total Number of Channels, operations may proceed provided the inoperable channel is placed in the bypassed condition and the Minimum Channels OPERABLE requirement is demonstrated within 1 hour; one additional channel may be bypassed for up to 2 hours for surveillance testing per specification 4.3.2.1.1.
- ACTION 11 - Instrument operability requirements are contained in the Reactor Protection System requirements for Reactor Trip on Steam Generator Level. If an Automatic Start channel is inoperable, operation may continue provided that the affected pump is verified to be OPERABLE per Specification 4.7.1.2.a within 8 hours and at least once per 7 days thereafter; and the Automatic Start channel shall be restored to OPERABLE status within 30 days or the reactor shall be in at least HOT SHUTDOWN within the next 12 hours.
- ACTION 12 - With the number of OPERABLE Channels one less than the Total Number of Channels operation may proceed until performance of the next required CHANNEL FUNCTIONAL TEST provided the inoperable channel is placed in the tripped condition within 1 hour.

STATE OF FLORIDA)
)
COUNTY OF DADE) SS.

Robert E. Uhrig, being first duly sworn, deposes and says:

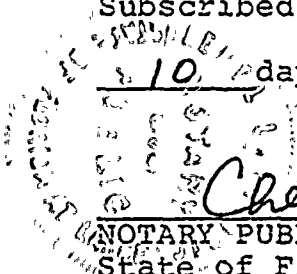
That he is Vice President of Florida Power & Light Company, the Licensee herein;

That he has executed the foregoing document; that the statements made in this said document are true and correct to the best of his knowledge, information, and belief, and that he is authorized to execute the document on behalf of said


Robert E. Uhrig

Subscribed and sworn to before me this

10 day of December, 1982


Cheryl J. Fredrick
NOTARY PUBLIC, in and for the County of Dade,
State of Florida

My commission expires: Notary Public, State of Florida at Large
My Commission Expires October 30, 1983
Bonded thru Maynard Bonding Agency

