

**Industry/TSTF Standard Technical Specification Change Traveler****Revision of Surveillance Frequency for TADOT on Turbine Trip Functional Unit**

Classification: 1) Correct Specifications

NUREGs Affected: ☐ 1430 ☒ 1431 ☐ 1432 ☐ 1433 ☐ 1434

## Description:

The proposed change revises the Frequency for Surveillance Requirement 3.3.1.15 and associated Bases for performing a TADOT on Functional Unit 16, Turbine Trip.

## Justification:

The frequency for the Turbine Trip - Low Fluid Oil Pressure trip and Turbine Trip - Turbine Stop Valve Closure Functions are revised to be consistent with the applicability for these Functions (above P-9 or 50% RTP). The LCO requires three channels of Turbine Trip - Low Fluid Oil Pressure to be OPERABLE in MODE 1 above P-9. The LCO requires four Turbine Trip - Turbine Stop Valve Closure channels, one per valve, to be OPERABLE in MODE 1 above P-9. The Frequency would be revised to "Prior to exceeding the P9 interlock whenever the unit has been in MODE 3, if not performed in the previous 31 days." The Turbine Trip functions are not required to provide a reactor trip until reactor power is above the P-9 logic setpoint (50% power). Testing in MODE 1 prior to 50% power ensures these functions will be OPERABLE when required. These functions can be tested at power with minimal perturbations to plant systems. This proposed change has been previously approved for the Vogtle plant during their ITS conversion.

Industry Contact:	Buschbaum, Denny	(254) 897-5851	dbuschb1@tuelectric.com
NRC Contact:	Schulten, Carl	301-314-1192	css1@nrc.gov

**Revision History****OG Revision 0****Revision Status: Active****Next Action: NRC**

Revision Proposed by: Callaway

Revision Description:  
Original Issue**Owners Group Review Information**

Date Originated by OG: 21-Jan-98

Owners Group Comments  
(No Comments)

Owners Group Resolution: Approved Date: 23-Feb-98

**TSTF Review Information**

TSTF Received Date: 27-May-98 Date Distributed for Review 27-May-98

OG Review Completed: ☒ BWO ☒ WOG ☒ CEOG ☒ BWROGTSTF Comments:  
(No Comments)

TSTF Resolution: Approved Date: 10-Jul-98

**NRC Review Information**

NRC Received Date: 13-Nov-98 NRC Reviewer:

11/10/98

---

OG Revision 0

Revision Status: Active

Next Action: NRC

---

NRC Comments:

(No Comments)

Final Resolution: NRC Action Pending

Final Resolution Date:

---

**Incorporation Into the NUREGs**

File to BBS/LAN Date:

TSTF Informed Date:

TSTF Approved Date:

NUREG Rev Incorporated:

---

**Affected Technical Specifications**

SR 3.3.1.15      RTS Instrumentation

SR 3.3.1.15 Bases      RTS Instrumentation

---

---

11/10/98

TSTF-311

SURVEILLANCE REQUIREMENTS (continued)

SURVEILLANCE	FREQUENCY
<p>SR 3.3.1.14 -----NOTE----- Verification of setpoint is not required. -----</p> <p>Perform TADOT.</p>	<p>[18] months</p>
<p>SR 3.3.1.15 -----NOTE----- Verification of setpoint is not required. -----</p> <p>Perform TADOT.</p>	<p><del>NOTE-----</del> <del>Only required</del> <del>when not</del> <del>performed</del> <del>within previous</del> <del>31 days</del> <del>-----</del> <del>Prior to</del> <del>reactor startup</del></p>
<p>SR 3.3.1.16 -----NOTE----- Neutron detectors are excluded from response time testing. -----</p> <p>Verify RTS RESPONSE TIME is within limits.</p>	<p>[18] months on a STAGGERED TEST BASIS</p>

Prior to exceeding the  
[P-9] interlock whenever  
the unit has been in MODE 3,  
if not performed within the  
previous 31 days

TSTF-311

BASES

SURVEILLANCE  
REQUIREMENTS  
(continued)

SR 3.3.1.14

SR 3.3.1.14 is the performance of a TADOT of the Manual Reactor Trip, RCP Breaker Position, and the SI Input from ESFAS. This TADOT is performed every [18] months. The test shall independently verify the OPERABILITY of the undervoltage and shunt trip mechanisms for the Manual Reactor Trip Function for the Reactor Trip Breakers and Reactor Trip Bypass Breakers. The Reactor Trip Bypass Breaker test shall include testing of the automatic undervoltage trip.

The Frequency is based on the known reliability of the Functions and the multichannel redundancy available, and has been shown to be acceptable through operating experience.

The SR is modified by a Note that excludes verification of setpoints from the TADOT. The Functions affected have no setpoints associated with them.

SR 3.3.1.15

prior to exceeding  
the [P-9] interlock  
Whenever the unit  
has been in  
MODE 3.

SR 3.3.1.15 is the performance of a TADOT of Turbine Trip Functions. This TADOT is as described in SR 3.3.1.4, except that this test is performed prior to reactor startup. A Note states that this Surveillance is not required if it has been performed within the previous 31 days. Verification of the Trip Setpoint does not have to be performed for this Surveillance. Performance of this test will ensure that the turbine trip Function is OPERABLE prior to taking the reactor critical. This test cannot be performed with the reactor at power and must therefore be performed prior to reactor startup.

exceeding the [P-9] interlock.

SR 3.3.1.16

SR 3.3.1.16 verifies that the individual channel/train actuation response times are less than or equal to the maximum values assumed in the accident analysis. Response time testing acceptance criteria are included in Technical Requirements Manual, Section 15 (Ref. 8). Individual component response times are not modeled in the analyses.

(continued)