

| TSTF Number | TSTF Title | Adoption (Approvals Submittals) |
|---------------------------|--|---------------------------------|
| TSTF-358, Rev. 6 | <u>Missed Surveillance Requirements</u> | 100% |
| TSTF-369, Rev. 1 | Removal of Monthly Operating Report and Occupational Radiation Exposure Report | 100% |
| TSTF-413, Rev. 0 | Elimination of Requirements for a Post Accident Sampling System (PASS) (NEDO-3299) | 100% |
| TSTF-442, Rev. 0 | Elimination of Requirements for a Post Accident Sampling System (PASS) | 100% |
| TSTF-449, Rev. 4 | Steam Generator Tube Integrity | 100% |
| TSTF-479, Rev. 0 | Changes to Reflect Revision of 10CFR50.55a | 100% |
| <u>TSTF-497, Rev. 0</u> | <u>Limit Inservice Testing Program SR 3.0.2 Application to Frequencies of 2 Years or Less</u> | 100% |
| <u>TSTF-448, Rev. 3</u> | <u>Control Room Habitability</u> | 98% |
| TSTF-366, Rev. 0 | Elimination of Requirements for a Post Accident Sampling System (PASS) | 97% |
| <u>TSTF-447, Rev. 1</u> | <u>Elimination of Hydrogen Recombiners and Change to Hydrogen and Oxygen Monitors</u> | 97% |
| TSTF-535, Rev. 0 | Revise Shutdown Margin Definition to Address Advanced Fuel Designs | 92% |
| TSTF-404, Rev. 0 | SDV Actions | 92% |
| TSTF-460, Rev. 0 | Control Rod Scram Time Testing Frequency | 88% |
| <u>TSTF-542, Rev. 2</u> | <u>Reactor Pressure Vessel Water Inventory Control</u> | 88% |
| TSTF-359, Rev. 9 | Increase Flexibility in MODE Restraints | 84% |
| <u>TSTF-425, Rev. 3</u> | <u>Relocate Surveillance Frequencies to Licensee Control - RITSTF Initiative 5b</u> | 84% |
| <u>TSTF-511, Rev. 0</u> | <u>Eliminate Working Hour Restrictions from TS 5.2.2 to Support Compliance with 10 CFR Part 2</u> | 83% |
| TSTF-510-A, Rev. 2 | Revision to Steam Generator Program Inspection Frequencies and Tube Sample Selection | 80% |
| TSTF-484, Rev. 0 | Use of TS 3.10.1 for Scram Time Testing Activities. | 79% |
| <u>TSTF-426, Rev. 5</u> | <u>Revise or Add Actions to Preclude Entry into LCO 3.0.3 - RITSTF Initiatives 6b & 6c</u> | 71% |
| TSTF-421, Rev. 0 | Revision to RCP Flywheel Inspection Program (WCAP-15666) | 69% |
| TSTF-545, Rev. 3 | TS Inservice Testing Program Removal & Clarify SR Usage Rule Application to Section 5.5 Testing | 69% |
| <u>TSTF-523-A, Rev. 2</u> | <u>Generic Letter 2008-01, Managing Gas Accumulation</u> | 63% |
| <u>TSTF-372, Rev. 4</u> | <u>Addition of LCO 3.0.8, Inoperability of Snubbers</u> | 60% |
| TSTF-370, Rev. 0 | Increase accumulator Completion Time from 1 hour to 24 hours (WCAP-15049) | 60% |
| TSTF-522, Rev. 0 | Revise Ventilation System Surveillance Requirements to Operate for 10 hours per Month | 59% |
| TSTF-490, Rev. 0 | Deletion of E Bar Definition and Revision to RCS Specific Activity Tech Spec | 58% |
| N/A | <u>Elimination of Typical License Condition Requiring Reporting of Violations of Section 2.C</u> | 56% |
| TSTF-476, Rev. 1 | Improved BPWS Control Rod Insertion Process (NEDO-33091) | 54% |
| TSTF-477, Rev. 3 | Add Action for Two Inoperable Control Room AC Subsystems | 50% |
| <u>TSTF-423, Rev. 1</u> | <u>Technical Specifications End States, NEDC-32988-A</u> | 46% |
| <u>TSTF-514, Rev. 3</u> | <u>Revise BWR Operability Requirements and Actions for RCS Leakage Instrumentation</u> | 46% |
| TSTF-374, Rev. 0 | Revision to TS 5.5.13 and associated TS Bases for Diesel Fuel Oil | 45% |
| TSTF-486, Rev. 2 | Revise MTC Surveillance for Startup Test Activity Reduction (STAR) Program (WCAP-16011) | 43% |
| <u>TSTF-551, Rev. 3</u> | <u>Revise Secondary Containment Surveillance Requirements</u> | 42% |
| <u>TSTF-513, Rev. 3</u> | <u>Revise PWR Operability Requirements and Actions for RCS Leakage Instrumentation</u> | 40% |
| <u>TSTF-529, Rev. 4</u> | <u>Clarify Use and Application Rules</u> | 38% |
| <u>TSTF-427, Rev. 2</u> | <u>Allowance for Non Technical Specification Barrier Degradation on Supported System OPERABIL</u> | 38% |
| TSTF-475, Rev. 1 | Control Rod Notch Testing Frequency and SRM Insert Control Rod Action | 38% |
| TSTF-491, Rev. 2 | Removal of Main Steam and Main Feedwater Valve Isolation Times From Technical Specificatio | 38% |
| <u>TSTF-422, Rev. 2</u> | <u>Change in Technical Specifications End States (CE NPSD-1186)</u> | 29% |
| TSTF-487, Rev. 1 | Relocate DNB Parameters to the COLR | 29% |
| TSTF-501, Rev. 1 | Relocate Stored Fuel Oil and Lube Oil Volume Values to Licensee Control | 28% |
| TSTF-547, Rev. 1 | Clarification of Rod Position Requirements | 28% |
| TSTF-412, Rev. 3 | Provide Actions for One Steam Supply to Turbine Driven AFW/EFW Pump Inoperable | 26% |
| <u>TSTF-430, Rev. 0</u> | <u>AOT Extension to 7 Days for LPI and Containment Spray (BAW-2295-A, Rev. 1)</u> | 25% |
| TSTF-431, Rev. 3 | Change in Technical Specifications End States (BAW-2441) | 25% |
| <u>TSTF-432, Rev. 1</u> | <u>Change in Technical Specifications End States (WCAP-16294)</u> | 21% |
| TSTF-500-A, Rev. 2 | DC Electrical Rewrite - Update to TSTF-360 | 20% |
| <u>TSTF-493, Rev. 4</u> | <u>Clarify Application of Setpoint Methodology for LSSS Functions</u> | 16% |
| <u>TSTF-478, Rev. 2</u> | <u>BWR Technical Specification Changes that Implement the Revised Rule for Combustible Gas Co</u> | 13% |
| <u>TSTF-505-A, Rev. 1</u> | <u>Provide Risk-Informed Extended Completion Times - RITSTF Initiative 4b</u> | 9% |
| <u>TSTF-446, Rev. 3</u> | <u>Risk Informed Evaluation of Extensions to Containment Isolation Valve Completion Times (WCAP-15791)</u> | 7% |
| TSTF-546, Rev. 0 | Revise APRM Channel Adjustment Surveillance Requirement | 4% |
| <u>TSTF-409, Rev. 2</u> | <u>Containment Spray System Completion Time Extension (CE NPSD-1045-A)</u> | 0% |
| TSTF-454, Rev. 1 | Increase PCIV Completion Times from 4 hours, 24 hours, and 72 hours to 7 days (NEDC-33046) | 0% |
| <u>TSTF-498, Rev. 1</u> | <u>Risk-Informed Containment Isolation Valve Completion Times (BAW-2461)</u> | 0% |

Green Underline - Risk Informed
Red Underline - NRC Initiated or Requirement

**Examination of Traveler Review Time
2016-2018**

160 approved LARs to adopt travelers

Average review time (Submittal to Approval): 308 days (< 10 months)

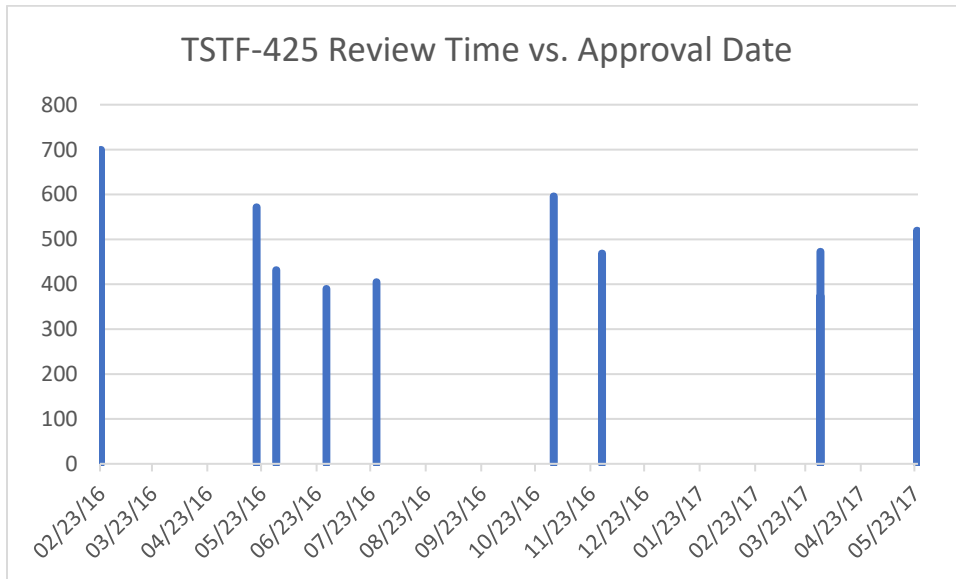
Excluding Vogtle TSTF-505 review (1,565 days)

- 35 (22%) review time over 1 year (Average 480 days, 15.8 months)
- 16 (10%) review over 13 months (Average 525 days, 17.25 months)

| Traveler Adoption Review Time > 13 months | | | | |
|---|-----------------------|---------------|----------------|-------------|
| Plant Name | TSTF Number | Approval Date | Submittal Date | Review Time |
| Hatch 1 & 2 | TSTF-500-A, Rev. 2 | 08/29/17 | 08/11/15 | 749 |
| Cook 1 & 2 | TSTF-490, Rev. 0 | 10/20/16 | 11/14/14 | 706 |
| Perry | TSTF-425, Rev. 3 | 02/23/16 | 03/25/14 | 700 |
| Columbia | TSTF-425, Rev. 3 | 11/02/16 | 03/17/15 | 596 |
| Susquehanna 1 & 2 | TSTF-425, Rev. 3 | 05/20/16 | 10/26/14 | 572 |
| Columbia | TSTF-423, Rev. 1 | 02/03/16 | 08/12/14 | 540 |
| Brunswick 1 & 2 | TSTF-425, Rev. 3 | 05/24/17 | 12/21/15 | 520 |
| Fermi | TSTF-545, Rev. 3 | 11/29/17 | 07/25/16 | 492 |
| Cook 1 & 2 | TSTF-425, Rev. 3 | 03/31/17 | 12/14/15 | 473 |
| Harris | TSTF-425, Rev. 3 | 11/29/16 | 08/18/15 | 469 |
| Hatch 1 & 2 | TSTF-523-A, Rev. 2 | 04/16/16 | 01/13/15 | 459 |
| Watts Bar Unit 2 | TSTF-547, Rev. 1 | 02/13/18 | 11/23/16 | 447 |
| Nine Mile Point 1 | TSTF-425, Rev. 3 | 05/31/16 | 03/26/15 | 432 |
| Farley 1 & 2 | TSTF-432, Rev.1 | 06/10/16 | 04/13/15 | 424 |
| Surry 1 & 2 | TSTF-523-A, Rev. 2 | 02/29/16 | 01/14/15 | 411 |
| Waterford 3 | TSTF-425, Rev. 3 | 07/26/16 | 06/17/15 | 405 |

Examination of Traveler Review Time 2016-2018

TSTF-425, 10 submittals, average of 493 days (16 months)



Examining the three TSTF-425 approvals in 2017:

- Brunswick submitted 3 supplements and 5 RAI responses
- D.C. Cook submitted 2 supplements and 4 RAI responses
- Cooper had no supplements and one RAI response