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10 CFR 50.90

July 30, 2015

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, DC 20555

Calvert Cliffs Nuclear Power Plant, Unit Nos. 1 and 2
Renewed Facility Operating License Nos. DPR-53 and DPR-69
NRC Docket Nos. 50-317 and 50-318

Subject: Supplemental Information Regarding TSTF-425 License Amendment Request

- References:
1. Letter from G. H. Gellrich (Exelon) to Document Control Desk (NRC), dated May 1, 2014, License Amendment Request: Adoption of Technical Specification Task Force Traveler (TSTF) – 425, Revision 3, Relocate Surveillance Frequencies to Licensee Control – RITSTF Initiative 5b
 2. Letter from N. S. Morgan (NRC) to G. H. Gellrich (Exelon), dated October 21, 2014, Issuance of Amendments Regarding Enhancements to Diesel Generator Surveillance Requirements
 3. Letter from A. N. Chereskin (NRC) to G. H. Gellrich (Exelon), dated July 23, 2015, Amendment Regarding New Technical Specification 3.7.18 for Atmospheric Dump Valves

Reference 1 submitted a license amendment request to adopt TSTF-425. Since the submittal of Reference 1, two license amendments have been issued by the Nuclear Regulatory Commission that each include an additional Surveillance Requirement. Reference 2 added Surveillance Requirement SR 3.8.1.17 which requires diesel generator operation for 24 hours. Reference 3 added Surveillance Requirement SR 3.7.18.1 which requires cycling of the atmospheric dump valves. These Surveillance Requirements fall within the scope of TSTF-425, Revision 3 as shown on the attached Comparison Matrix in red [Attachment (1)]. Therefore, we request their inclusion in this license amendment request. The marked up Technical Specification and Technical Specification Bases pages are included as Attachment (2). These marked up pages conform to TSTF-425, Revision 3.

This additional information does not change the No Significant Hazards Determination provided in Reference 1. No regulatory commitments are contained in this letter.

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NRC

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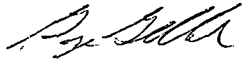
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Should you have questions regarding this matter, please contact Mr. Larry D. Smith at (410) 495-5219.

I declare under penalty of perjury that the foregoing is true and correct. Executed on July 30, 2015.

Respectfully,



George H. Gellrich
Site Vice President

GHG/PSF/bjm

Attachments: (1) Comparison Matrix
(2) Marked up Technical Specification and Technical Specification Bases Pages

cc: NRC Project Manager, Calvert Cliffs
NRC Regional Administrator, Region I

NRC Resident Inspector, Calvert Cliffs
S. Gray, MD-DNR

ATTACHMENT (1)

COMPARISON MATRIX

ATTACHMENT (1)
COMPARISON MATRIX

Technical Specification Title/Surveillance Description	TSTF-425	CCNPP
Shutdown Margin (SDM)	3.1.1	3.1.1
Verify SDM within limits	SR 3.1.1.1	SR 3.1.1.1
Reactivity Balance	3.1.2	-----
CEA Alignment	3.1.4	3.1.4
Verify indicated position within 7 inches	SR 3.1.4.1	SR 3.1.4.1
Verify motion inhibit is Operable	SR 3.1.4.2	SR 3.1.4.2
Verify deviation circuit is Operable	SR 3.1.4.3	SR 3.1.4.3
Verify CEA freedom of movement	SR 3.1.4.4	SR 3.1.4.4
Perform Channel Functional Test	SR 3.1.4.5	SR 3.1.4.5
Shutdown CEA Insertion Limits	3.1.5	3.1.5
Verify CEA is withdrawn	SR 3.1.5.1	SR 3.1.5.1
Regulating CEA Insertion Limits	3.1.6	3.1.6
Verify CEA group position is within limits	SR 3.1.6.1	SR 3.1.6.1
Verify CEA insertion times	SR 3.1.6.2	SR 3.1.6.2
Verify PDIL alarm circuit is Operable	SR 3.1.6.3	SR 3.1.6.3
STE-SDM	3.1.7	3.1.7
Verify CEA insertion is within acceptance criteria	SR 3.1.7.1	SR 3.1.7.1
STE-Modes 1 and 2	3.1.8	3.1.8
Verify Thermal Power is within test power plateau	SR 3.1.8.1	SR 3.1.8.1
LHR	3.2.1	3.2.1
Verify ASI alarm setpoints	SR 3.2.1.1	SR 3.2.1.2
Verify incore detector local power density alarms	SR 3.2.1.2	SR 3.2.1.3
Verify incore local power density alarm setpoints	SR 3.2.1.3	SR 3.2.1.4
Fxy	3.2.2	-----
Fr	3.2.3	3.2.3
Verify value of Fr	SR 3.2.3.1	SR 3.2.3.1
Tq	3.2.4	3.2.4
Verify value of Tq	SR 3.2.4.1	SR 3.2.4.1
ASI	3.2.5	3.2.5
Verify ASI is within limits	SR 3.2.5.1	SR 3.2.5.1
RPS Instrumentation –Operating	3.3.1	3.3.1
Perform Channel Check	SR 3.3.1.1	SR 3.3.1.1
Perform calibration of excore and dT power channels	SR 3.3.1.2	SR 3.3.1.2
Calibrate power range excores using incore detectors	SR 3.3.1.3	SR 3.3.1.3
Perform Channel Functional Test	SR 3.3.1.4	SR 3.3.1.4
Perform Channel Calibration on excore power range channels	SR 3.3.1.5	SR 3.3.1.5
Perform Channel Functional Test on automatic bypass removal	-----	SR 3.3.1.7
Perform Channel Calibration of each RPS channel	SR 3.3.1.8	SR 3.3.1.8
Verify RPS response times	SR 3.3.1.9	SR 3.3.1.9
RPS Instrumentation – Shutdown	3.3.2	3.3.2
Perform Channel Check of wide range power channel	SR 3.3.2.1	SR 3.3.2.1
Perform Channel Functional Test of power rate of change trip	SR 3.3.2.2	-----
Perform Channel Functional Test of automatic bypass removal	SR 3.3.2.3	SR 3.3.2.3
Perform Channel Calibration, including bypass functions	SR 3.3.2.4	SR 3.3.2.4
RPS Logic and Trip Initiation	3.3.3	3.3.3
Perform Channel Functional Test on RTCB channel	SR 3.3.3.1	SR 3.3.3.1

ATTACHMENT (1)
COMPARISON MATRIX

Technical Specification Title/Surveillance Description	TSTF-425	CCNPP
Perform Channel Functional Test on RPS logic	SR 3.3.3.2	SR 3.3.3.2
Perform Channel Functional Test with undervoltage and shunt trips	SR 3.3.3.4	-----
ESFAS Instrumentation	3.3.4	3.3.4
Perform Channel Check on each ESFAS channel	SR 3.3.4.1	SR 3.3.4.1
Perform Channel Functional Test on each ESFAS channel	SR 3.3.4.2	SR 3.3.4.2
Perform Channel Functional Test on automatic block removal	-----	SR 3.3.4.3
Perform Channel Calibration of ESFAS channels, including block removal	SR 3.3.4.4	SR 3.3.4.4
Verify ESF response time in limits	SR 3.3.4.5	SR 3.3.4.5
ESFAS Logic and Manual Trip/Actuation	3.3.5	3.3.5
Perform Channel Functional Test on ESFAS Logic channel	SR 3.3.5.1	SR 3.3.5.1
Perform Channel Functional Test on ESFAS trip/actuation channel	SR 3.3.5.2	SR 3.3.5.2
DG-LOVS	3.3.6	3.3.6
Perform Channel Check	SR 3.3.6.1	-----
Perform Channel Functional Test	SR 3.3.6.2	SR 3.3.6.1
Perform Channel Calibration	SR 3.3.6.3	SR 3.3.6.2
CPIS/CRS	3.3.7	3.3.7
Perform Channel Check on radiation monitors	SR 3.3.7.1	SR 3.3.7.1
Perform Channel Functional Test on radiation monitor channel	SR 3.3.7.2	SR 3.3.7.3
Perform Channel Functional Test on actuation logic channel	SR 3.3.7.3	SR 3.3.7.2
Perform Channel Calibration on radiation monitor channel	SR 3.3.7.4	SR 3.3.7.4
Perform Channel Functional Test on manual trip/actuation channel	SR 3.3.7.5	SR 3.3.7.5
Verify response time is within limits	SR 3.3.7.6	SR 3.3.7.6
CRIS/CRRS	3.3.8	3.3.8
Perform Channel Check on radiation monitor channel	SR 3.3.8.1	SR 3.3.8.1
Perform Channel Functional Test on the radiation monitor channel	SR 3.3.8.2	SR 3.3.8.2
Perform Channel Functional Test on actuation logic channel	SR 3.3.8.3	-----
Perform Channel Calibration on the radiation monitor channel	SR 3.3.8.4	SR 3.3.8.3
Perform Channel Functional Test on the manual trip channel	SR 3.3.8.5	-----
Verify response times are within limits	SR 3.3.8.6	-----
CVCS Isolation Signal	3.3.9	3.3.9
Perform Channel Check	SR 3.3.9.1	SR 3.3.9.1
Perform Channel Functional Test on CVCS isolation channels	SR 3.3.9.2	SR 3.3.9.2
Perform Channel Calibration on CVCS sensor channels	SR 3.3.9.3	SR 3.3.9.3
Verify response time is within limits	-----	SR 3.3.9.4
Shield Building Filtration Actuation Signal	3.3.10	-----
PAM Instrumentation	3.3.11	3.3.10
Perform Channel Check for normally energized channels	SR 3.3.11.1	SR 3.3.10.1
Perform Channel Calibration	SR 3.3.11.2	SR 3.3.10.3
Remote Shutdown System/Instrumentation	3.3.12	3.3.11
Perform Channel Check for normally energized channels	SR 3.3.12.1	SR 3.3.11.1
Verify control circuit and transfer switch works	SR 3.3.12.2	-----
Perform Channel Calibration for each channel	SR 3.3.12.3	SR 3.3.11.2
Perform Channel Functional Test	SR 3.3.12.4	-----
Power Monitoring Channels/Wide Range Logarithmic Neutron Flux Monitor Channels	3.3.13	3.3.12
Perform Channel Check	SR 3.3.13.1	SR 3.3.12.1

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Technical Specification Title/Surveillance Description	TSTF-425	CCNPP
Perform Channel Functional Test	SR 3.3.13.2	-----
Perform Channel Calibration	SR 3.3.13.3	SR 3.3.12.3
RCS Pressure, Temperature and Flow DNBR Limits	3.4.1	3.4.1
Verify pressurizer pressure is within limits	SR 3.4.1.1	SR 3.4.1.1
Verify cold leg temperatures are within limits	SR 3.4.1.2	SR 3.4.1.2
Verify RCS total flow	SR 3.4.1.3	SR 3.4.1.3
Verify heat balance/measured RCS flow is within limits	SR 3.4.1.4	SR 3.4.1.4
RCS Minimum Temperature for Criticality	3.4.2	-----
RCS P/T Limits	3.4.3	3.4.3
Verify RCS temperature, pressure, rates are within limits	SR 3.4.3.1	SR 3.4.3.1
RCS Loops - Modes 1 and 2	3.4.4	3.4.4
Verify RCS loops in operation	SR 3.4.4.1	SR 3.4.4.1
RCS Loops - Mode 3	3.4.5	3.4.5
Verify RCS loop is in operation	SR 3.4.5.1	SR 3.4.5.1
Verify secondary side SG water level	SR 3.4.5.2	SR 3.4.5.2
Verify correct breaker alignment	SR 3.4.5.3	SR 3.4.5.3
RCS Loops - Mode 4	3.4.6	3.4.6
Verify one RCS/SDC in operation	SR 3.4.6.1	SR 3.4.6.1
Verify secondary side SG water level	SR 3.4.6.2	SR 3.4.6.2
Verify correct breaker alignment	SR 3.4.6.3	SR 3.4.6.3
RCS Loops - Mode 5, Loops Filled	3.4.7	3.4.7
Verify SDC train is in operation	SR 3.4.7.1	SR 3.4.7.1
Verify secondary side SG water level	SR 3.4.7.2	SR 3.4.7.2
Verify correct breaker alignment	SR 3.4.7.3	SR 3.4.7.3
RCS Loops - Mode 5, Loops not Filled	3.4.8	3.4.8
Verify SDC train is in operation	SR 3.4.8.1	SR 3.4.8.1
Verify correct breaker alignment	SR 3.4.8.2	SR 3.4.8.2
Pressurizer	3.4.9	3.4.9
Verify pressurizer water level	SR 3.4.9.1	SR 3.4.9.1
Verify capacity of heaters	SR 3.4.9.2	SR 3.4.9.2
Verify heaters are powered from emergency power	SR 3.4.9.3	-----
Pressurizer PORVs	3.4.11	3.4.11
Perform Channel Functional Test of PORVs	-----	SR 3.4.11.1
Perform cycle of block valves	SR 3.4.11.1	SR 3.4.11.2
Perform cycle of PORVs	SR 3.4.11.2	SR 3.4.11.3
Perform Channel Calibration of PORVs	-----	SR 3.4.11.4
Perform cycle of control valve and check valve on PORV	SR 3.4.11.3	-----
Verify PORVs and block valves are powered from emergency power	SR 3.4.11.4	-----
LTOP System	3.4.12	3.4.12
Verify one HPSI capable of RCS injection	SR 3.4.12.1	SR 3.4.12.1
Verify one charging pump capable of RCS injection	SR 3.4.12.2	-----
Verify SITs are isolated	SR 3.4.12.3	-----
Verify HPSI MOVs are capable of manual alignment	-----	SR 3.4.12.2
Verify RCS vent is open	SR 3.4.12.4	SR 3.4.12.3
Verify PORV block valve is open	SR 3.4.12.5	SR 3.4.12.4
Perform Channel Functional Test for PORVs	SR 3.4.12.6	SR 3.4.12.5

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Technical Specification Title/Surveillance Description	TSTF-425	CCNPP
Perform Channel Calibration on PORVs	SR 3.4.12.7	SR 3.4.12.6
RCS Operational Leakage	3.4.13	3.4.13
Verify leakage is within limits	SR 3.4.13.1	SR 3.4.13.1
Verify primary to secondary leakage is within limits	SR 3.4.13.2	SR 3.4.13.2
RCS PIV Leakage	3.4.14	-----
RCS Leakage Detection Instrumentation	3.4.15	3.4.14
Perform Channel Check of radiation monitor	SR 3.4.15.1	SR 3.4.14.1
Perform Channel Functional Test of radiation monitor	SR 3.4.15.2	SR 3.4.14.2
Perform Channel Calibration of sump monitor	SR 3.4.15.3	SR 3.4.14.3
Perform Channel Calibration of radiation monitor	SR 3.4.15.4	SR 3.4.14.4
Perform Channel Calibration of condensate flow monitor	SR 3.4.15.5	-----
RCS Specific Activity	3.4.16	3.4.15
Verify gross reactor coolant activity	SR 3.4.16.1	SR 3.4.15.1
Verify reactor coolant specific activity	SR 3.4.16.2	SR 3.4.15.2
Determine E	SR 3.4.16.3	SR 3.4.15.3
STE-RCS Loops, Mode 2	3.4.17	3.4.16
Verify thermal power	SR 3.4.17.1	SR 3.4.16.1
STE-RCS Loops, Modes 4 & 5	-----	3.4.17
Verify charging pumps are de-energized	-----	SR 3.4.17.2
Verify charging flow path is isolated	-----	SR 3.4.17.3
Perform SR 3.1.1.1	-----	SR 3.4.17.4
SITs	3.5.1	3.5.1
Verify isolation valves are open	SR 3.5.1.1	SR 3.5.1.1
Verify borated water volume in SITs	SR 3.5.1.2	SR 3.5.1.2
Verify nitrogen pressure in SITs	SR 3.5.1.3	SR 3.5.1.3
Verify boron concentration in SITs	SR 3.5.1.4	SR 3.5.1.4
Verify power is removed from SIT isolation valves	SR 3.5.1.5	SR 3.5.1.5
ECCS-Operating	3.5.2	3.5.2
Verify specified valve position	SR 3.5.2.1	SR 3.5.2.1
Verify valves are in the correct position	SR 3.5.2.2	SR 3.5.2.2
Verify ECCS piping is full of water	SR 3.5.2.3	-----
Verify valves actuate to correct position	SR 3.5.2.6	SR 3.5.2.5
Verify ECCS pumps start on signal	SR 3.5.2.7	SR 3.5.2.6
Verify LPSI pump stops on signal	SR 3.5.2.8	SR 3.5.2.7
Verify throttle valves stop in correct position	SR 3.5.2.9	-----
Verify containment sump is not blocked by debris	SR 3.5.2.10	SR 3.5.2.8
Verify SDC interlock works	-----	SR 3.5.2.9
RWT	3.5.4	3.5.4
Verify water temperature	SR 3.5.4.1	SR 3.5.4.1
Verify water temperature	SR 3.5.4.1	SR 3.5.4.2
Verify water volume	SR 3.5.4.2	SR 3.5.4.3
Verify boron concentration	SR 3.5.4.3	SR 3.5.4.4
TSP/STB	3.5.5	3.5.5
Verify baskets contain TSP/STB	SR 3.5.5.1	SR 3.5.5.1
Verify pH adjustment of water	SR 3.5.5.2	SR 3.5.5.2

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Technical Specification Title/Surveillance Description	TSTF-425	CCNPP
Containment Air Locks	3.6.2	3.6.2
Verify only one door open at a time	SR 3.6.2.2	SR 3.6.2.2
Containment Isolation Valves	3.6.3	3.6.3
Verify purge valves are closed	SR 3.6.3.1	-----
Verify vent valves are closed	SR 3.6.3.2	SR 3.6.3.1
Verify isolation valves are closed	SR 3.6.3.3	SR 3.6.3.2
Verify isolation time of valves	SR 3.6.3.5	-----
Perform leak rate test of purge valves	SR 3.6.3.6	-----
Verify valves actuate to correct position	SR 3.6.3.7	SR 3.6.3.5
Verify purge valve is blocked	SR 3.6.3.8	-----
Containment Pressure	3.6.4	3.6.4
Verify pressure is within limits	SR 3.6.4.1	SR 3.6.4.1
Containment Air Temperature	3.6.5	3.6.5
Verify temperature is within limits	SR 3.6.5.1	SR 3.6.5.1
Containment Spray and Cooling System	3.6.6A	3.6.6
Verify containment spray valves are in the correct position	SR 3.6.6A.1	SR 3.6.6.1
Operate cooling train fan	SR 3.6.6A.2	SR 3.6.6.2
Verify cooling water flow rate	SR 3.6.6A.3	SR 3.6.6.3
Verify containment spray pipe is full of water	SR 3.6.6A.4	-----
Verify valves actuate to their correct position	SR 3.6.6A.6	SR 3.6.6.5
Verify containment spray pump starts	SR 3.6.6A.7	SR 3.6.6.6
Verify cooling train starts	SR 3.6.6A.8	SR 3.6.6.7
Verify spray nozzle is unobstructed	SR 3.6.6A.9	-----
Spray Additive System	3.6.7	-----
Shield Building Exhaust Air Cleanup System	3.6.8	-----
HMS	3.6.9	-----
Iodine Cleanup System/Iodine Removal System	3.6.10	3.6.8
Operate each train	SR 3.6.10.1	SR 3.6.8.1
Verify each train actuates	SR 3.6.10.3	SR 3.6.8.3
Verify bypass damper can be opened	SR 3.6.10.4	----
Shield Building	3.6.11	-----
MSIVs	3.7.2	3.7.2
MFIVs	3.7.3	3.7.15
ADVs	3.7.4	3.7.18
Verify complete cycle of ADVs	3.7.4.1	3.7.18.1
AFW System	3.7.5	3.7.3
Verify valves are in the correct position	SR 3.7.5.1	SR 3.7.3.1
Verify valves actuate to the correct position	SR 3.7.5.3	SR 3.7.3.4
Verify the AFW pumps start automatically	SR 3.7.5.4	SR 3.7.3.5
Verify the AFW system can provide minimum flow	-----	SR 3.7.3.6
Condensate Storage Tank	3.7.6	3.7.4
Verify CST level/volume	SR 3.7.6.1	SR 3.7.4.1
CCW/CC System	3.7.7	3.7.5
Verify valves are in the correct position	SR 3.7.7.1	SR 3.7.5.1
Verify valves actuate to the correct position	SR 3.7.7.2	SR 3.7.5.2
Verify pumps start automatically	SR 3.7.7.3	SR 3.7.5.3

ATTACHMENT (1)
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Technical Specification Title/Surveillance Description	TSTF-425	CCNPP
SWS/SRW	3.7.8	3.7.6
Verify valves are in the correct position	SR 3.7.8.1	SR 3.7.6.1
Verify valves actuate to the correct position	SR 3.7.8.2	SR 3.7.6.2
Verify pumps start automatically	SR 3.7.8.3	SR 3.7.6.3
SWS/SW	3.7.8	3.7.7
Verify valves are in the correct position	SR 3.7.8.1	SR 3.7.7.1
Verify valves actuate to the correct position	SR 3.7.8.2	SR 3.7.7.2
Verify pumps start automatically	SR 3.7.8.3	SR 3.7.7.3
UHS	3.7.9	-----
ECW	3.7.10	-----
CREACS/CREVS	3.7.11	3.7.8
Operate filter train	SR 3.7.11.1	SR 3.7.8.1
Verify each train actuates on a signal	SR 3.7.11.3	SR 3.7.8.3
Verify positive pressure can be maintained	SR 3.7.11.4	-----
CREATS/CRETS	3.7.12	3.7.9
Verify heat load can be removed/temperature can be maintained	SR 3.7.12.1	SR 3.7.9.1
ECCS PREACS	3.7.13	-----
FBACS/SFPEVS	3.7.14	3.7.11
Operate each train	SR 3.7.14.1	-----
Verify a train is in operation	-----	SR 3.7.11.1
Verify each train actuates on a signal	SR 3.7.14.3	-----
Verify a train can maintain a negative pressure	SR 3.7.14.4	SR 3.7.11.3
Verify the bypass damper can be opened	SR 3.7.14.5	-----
PREACS/PREVS	3.7.15	3.7.12
Operate each train	SR 3.7.15.1	SR 3.7.12.1
Verify each train actuates on a signal	SR 3.7.15.3	SR 3.7.12.3
Verify a train can maintain a negative pressure	SR 3.7.15.4	-----
Verify the bypass damper can be opened	SR 3.7.15.5	-----
Fuel Storage Pool Water Level/ SFP Water Level	3.7.16	3.7.13
Verify water level in pool	SR 3.7.16.1	SR 3.7.13.1
FSP Boron Concentration/SFP Boron Concentration	3.7.17	3.7.16
Verify boron concentration in pool	SR 3.7.17.1	SR 3.7.16.1
Secondary Specific Activity	3.7.19	3.7.14
Verify secondary specific activity is within limits	SR 3.7.19.1	SR 3.7.14.1
AC Sources-Operating	3.8.1	3.8.1
Verify correct breaker alignment	SR 3.8.1.1	SR 3.8.1.1
Verify correct breaker alignment	SR 3.8.1.1	SR 3.8.1.2
Verify DG standby start	SR 3.8.1.2	SR 3.8.1.3
Verify DG is loaded and operate for 1 hour	SR 3.8.1.3	SR 3.8.1.4
Verify day tank volume	SR 3.8.1.4	SR 3.8.1.5
Check for water in the day tank	SR 3.8.1.5	SR 3.8.1.6
Verify fuel oil transfer system operates	SR 3.8.1.6	SR 3.8.1.7
Verify DG standby start (fast start)	SR 3.8.1.7	SR 3.8.1.9
Verify manual transfer of AC sources	SR 3.8.1.8	SR 3.8.1.10
Verify single load reject	SR 3.8.1.9	SR 3.8.1.12
Verify full load reject	SR 3.8.1.10	-----

ATTACHMENT (1)
COMPARISON MATRIX

Technical Specification Title/Surveillance Description	TSTF-425	CCNPP
Verify DG start and operation on a loss of offsite power	SR 3.8.1.11	-----
Verify DG start and operation on an ESF signal	SR 3.8.1.12	-----
Verify non-critical trips are bypassed	SR 3.8.1.13	SR 3.8.1.13
Verify DG operation at appropriate power factor and for 24 hours	SR 3.8.1.14	SR 3.8.1.11 SR 3.8.1.17
Verify hot restart of the DG	SR 3.8.1.15	-----
Verify DG synchronizes to offsite power	SR 3.8.1.16	SR 3.8.1.14
Verify ESF signal overrides DG test mode	SR 3.8.1.17	-----
Verify load sequencer operation	SR 3.8.1.18	SR 3.8.1.8
Verify DG start and operation on an ESF/LOOP signal	SR 3.8.1.19	SR 3.8.1.15
Verify DG operation during simultaneous start	SR 3.8.1.20	-----
Diesel Fuel Oil, Lube Oil and Starting Air/Diesel Fuel Oil	3.8.3	3.8.3
Verify volume of diesel fuel oil	SR 3.8.3.1	SR 3.8.3.1
Verify lube oil inventory	SR 3.8.3.2	-----
Verify air start receiver pressure	SR 3.8.3.4	-----
Remove accumulated water from storage tank	SR 3.8.3.5	SR 3.8.3.3
DC Sources – Operating	3.8.4	3.8.4
Verify battery terminal voltage	SR 3.8.4.1	SR 3.8.4.1
Verify battery charger provides adequate voltage	SR 3.8.4.2	SR 3.8.4.6
Verify battery capacity	SR 3.8.4.3	SR 3.8.4.7
Verify no visible corrosion	-----	SR 3.8.4.2
Verify no physical damage	-----	SR 3.8.4.3
Remove visible corrosion	-----	SR 3.8.4.4
Verify battery connection resistance	-----	SR 3.8.4.5
Battery Parameters/Battery Cell Parameters	3.8.6	3.8.6
Verify float current/voltage	SR 3.8.6.1	SR 3.8.6.1
Verify battery cell voltage	SR 3.8.6.2	SR 3.8.6.2
Verify electrolyte level	SR 3.8.6.3	SR 3.8.6.1
Verify battery temperature	SR 3.8.6.4	SR 3.8.6.3
Verify cell voltage	SR 3.8.6.5	SR 3.8.6.2
Verify battery capacity – discharge test	SR 3.8.6.6	SR 3.8.4.8
Inverters-Operating	3.8.7	3.8.7
Verify correct voltage	SR 3.8.7.1	SR 3.8.7.1
Inverters-Shutdown	3.8.8	3.8.8
Verify correct voltage	SR 3.8.8.1	SR 3.8.8.1
Distribution Systems-Operating	3.8.9	3.8.9
Verify correct breaker alignments	SR 3.8.9.1	SR 3.8.9.1
Distribution Systems-Shutdown	3.8.10	3.8.10
Verify correct breaker alignments	SR 3.8.10.1	SR 3.8.10.1
Boron Concentration	3.9.1	3.9.1
Verify boron concentration	SR 3.9.1.1	SR 3.9.1.1
Nuclear Instrumentation	3.9.2	3.9.2
Perform Channel Check	SR 3.9.2.1	SR 3.9.2.1
Perform Channel Calibration	SR 3.9.2.2	SR 3.9.2.2
Containment Penetrations	3.9.3	3.9.3
Verify containment penetrations are in correct status	SR 3.9.3.1	SR 3.9.3.1
Verify containment purge actuates on a signal	SR 3.9.3.2	SR 3.9.3.2

ATTACHMENT (1)
COMPARISON MATRIX

Technical Specification Title/Surveillance Description	TSTF-425	CCNPP
SDC and Coolant Circulation-High Water Level	3.9.4	3.9.4
Verify one SDC loop is in operation	SR 3.9.4.1	SR 3.9.4.1
SDC and Coolant Circulation-Low Water Level	3.9.5	3.9.5
Verify SDC loops are operable	SR 3.9.5.1	SR 3.9.5.1
Verify correct breaker alignment	SR 3.9.5.2	SR 3.9.5.3
Verify flow rate of SDC loop	-----	SR 3.9.5.2
Refueling Water Level/Refueling Pool Water Level	3.9.6	3.9.6
Verify water level	SR 3.9.6.1	SR 3.9.6.1

ATTACHMENT (2)

**MARKED UP TECHNICAL SPECIFICATION AND TECHNICAL
SPECIFICATION BASES PAGES**

SURVEILLANCE REQUIREMENTS (continued)

SURVEILLANCE	FREQUENCY
<p>SR 3.8.1.16 For the LCO 3.8.1.c AC electrical sources, SR 3.8.1.1, SR 3.8.1.2, SR 3.8.1.3, SR 3.8.1.5, SR 3.8.1.6, and SR 3.8.1.7 are required to be performed.</p>	<p>In accordance with applicable Surveillance Requirements</p>
<p>SR 3.8.1.17 -----NOTE----- Momentary transients outside the load and power factor limits do not invalidate this test. -----</p> <p>Verify each DG operates for ≥ 24 hours:</p> <ul style="list-style-type: none"> a. For ≥ 2 hours of the test loaded to ≥ 4200 kW for DG 1A, and ≥ 3150 kW and ≤ 3300 kW for DGs 1B, 2A, and 2B, and b. For the remaining hours of the test loaded to ≥ 3600 kW for DG 1A, and ≥ 2700 kW and ≤ 3000 kW for DGs 1B, 2A, and 2B. 	<p>24 months</p>

In accordance with the Surveillance Frequency Control Program

SURVEILLANCE REQUIREMENTS

SURVEILLANCE	FREQUENCY
SR 3.7.18.1 Verify one complete cycle of each ADV.	24 months

In accordance with the
Surveillance Frequency
Control Program

BASES

C.1 and C.2

If the ADV lines cannot be restored to OPERABLE status within the associated Completion Time, the unit must be placed in a MODE in which the LCO does not apply. To achieve this status, the unit must be placed in at least MODE 3 within 6 hours, and in MODE 4, without reliance upon the steam generator for heat removal, within 24 hours. The allowed Completion Times are reasonable, based on operating experience, to reach the required unit conditions from full power conditions in an orderly manner and without challenging unit systems.

SURVEILLANCE
REQUIREMENTS

SR 3.7.18.1

To perform a cooldown of the RCS, the ADVs must be able to be opened through their full range. This SR ensures the ADVs are tested through a full cycle at least once per fuel cycle. This test is performed using the manual handwheel assembly. Any use of an ADV using the manual handwheel assembly may satisfy this requirement. Operating experience has shown that these components usually pass the SR when performed at the 24 month Frequency. Therefore, the Frequency is acceptable from a reliability standpoint.

REFERENCES

1. UFSAR, Section 10.3

The Surveillance Frequency is controlled under the Surveillance Frequency Control Program.

BASES

SR 3.8.1.17

Reference 13 requires demonstration that the DGs can start and run continuously at full load capability for an interval of not less than 24 hours, ≥ 2 hours of which is at a load equivalent to 105-110% of the continuous service rating and the remainder of the time at a load equivalent to 90-100% of the continuous service rating. For the Nos. 1B, 2A, and 2B DGs the SR reflects these loading ranges. For the No. 1A DG, since the post accident loading is significantly less than the continuous service rating, the post accident loading (<4000 kW) is used instead of the continuous service rating. Actual testing is performed at a load higher than the post accident loading.

The DG starts for this Surveillance can be performed either from standby or hot conditions. The provisions for prelubricating and warmup, discussed in SR 3.8.1.3 and for gradual loading, discussed in SR 3.8.1.4 are applicable to this SR.

The Surveillance Frequency is Controlled under the Surveillance Frequency Control Program.

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.

In addition, the post-accident load for No. 1A DG is significantly lower than the continuous rating of No. 1A DG. To ensure No. 1A DG performance is not degraded, routine monitoring of engine parameters should be performed during the performance of this SR for No. 1A DG (Reference 9).

~~The 24 month frequency is consistent with the recommendations of Reference 13, takes into consideration unit conditions required to perform the Surveillance, and is intended to be consistent with expected fuel cycle lengths.~~

This SR is modified by a Note. Note 1 states that momentary transients due to changing bus loads do not invalidate this test. Similarly, momentary power factor transients above the limit will not invalidate the test.

REFERENCES

1. 10 CFR Part 50, Appendix A, "General Design Criteria for Nuclear Power Plants"