

PSEG Nuclear, LLC
ZEC 2 – Hope Creek
Docket No: ER20080559

Response to Discovery Request: HC-SSA-0008
Date: 10/1/2020

Question:

A list of any NRC enforcement or legal actions taken or filed against the Unit from ten (10) years prior to the application to present. Be prepared to provide documentation upon request.

Attachments Provided Herewith: NO

Response:

NRC Reactor Oversight Process Inspection Findings 2010 - 2020

Station	Item Number	Finding Title
Hope Creek (Units 1)	2010002-01	Control Room Chiller Trip
Hope Creek (Units 1)	2010002-02	HPCI Booster Pump Outboard Bearing Low Oil Level and Leak
Hope Creek (Units 1)	2010003-01	Reactor Recirculation Pump Trip
Hope Creek (Units 1)	2010003-02	LICENSEE-IDENTIFIED VIOLATION
Hope Creek (Units 1)	2010004-01	Failure to Follow Scaffold Procedure
Hope Creek (Units 1)	2010004-02	RCIC Turbine Bearing Incorrect Oil Level Indication
Hope Creek (Units 1)	2010004-03	Failure to Identify Inadequate RHR Pipe Vent Configuration
Hope Creek (Units 1)	2010004-04	LICENSEE-IDENTIFIED VIOLATION
Hope Creek (Units 1)	2010005-01	RHR Heat Exchanger Deficient Operability Evaluation
Hope Creek (Units 1)	2010005-02	Inadequate 10 CFR 50.59 Safety Evaluation
Hope Creek (Units 1)	2010005-03	RCIC Turbine Bearing High Oil Level
Hope Creek (Units 1)	2010007-01	LICENSEE-IDENTIFIED VIOLATION
Hope Creek (Units 1)	2011002-01	LICENSEE-IDENTIFIED VIOLATION
Hope Creek (Units 1)	2011004-01	Inadequate Corrective Actions Associated With a Known Degraded Condition of the 00-K-107 Service Air Compressor Outlet Check Valve
Hope Creek (Units 1)	2011004-02	HPCI Operability during SBLOCA/LOOP with the A EDG Failure

Station	Item Number	Finding Title
Hope Creek (Units 1)	2011004-03	LICENSEE-IDENTIFIED VIOLATION
Hope Creek (Units 1)	2011008-01	Inadequate Corrective Actions for EHC Turbine Valve Procedures
Hope Creek (Units 1)	2011403-01	SECURITY
Hope Creek (Units 1)	2011403-02	LICENSEE-IDENTIFIED VIOLATION
Hope Creek (Units 1)	2011404-01	SECURITY
Hope Creek (Units 1)	2012003-01	Preconditioning of the Reactor Building to Torus Vacuum Relief Valves
Hope Creek (Units 1)	2012003-02	Average Power Range Monitor Flow Unit Summers Out of Tech Spec Tolerance
Hope Creek (Units 1)	2012003-03	LICENSEE-IDENTIFIED VIOLATION
Hope Creek (Units 1)	2012004-01	Operation with the Potential to Drain the Reactor Vesse
Hope Creek (Units 1)	2012005-01	Failure to Follow Procedures to Ensure Cables Within the Scope of the Cable Monitoring Program Do Not Remain Submerged
Hope Creek (Units 1)	2012005-02	LICENSEE-IDENTIFIED VIOLATION
Hope Creek (Units 1)	2012005-03	LICENSEE-IDENTIFIED VIOLATION
Hope Creek (Units 1)	2012201-01	Security
Hope Creek (Units 1)	2013002-01	A Technical Specification Surveillance Procedure for Remote Shutdown Panel Instrumentation was Inadequately Implemented
Hope Creek (Units 1)	2013003-01	Inadequate Preventive Maintenance Replacement Schedule for Agastat Control Relays
Hope Creek (Units 1)	2013004-01	Failure to Follow PMT Procedure Prior to Returning the 'B' FRVS Recirculation Fan to Service
Hope Creek (Units 1)	2013004-02	Failure to Perform Maintenance in Accordance with Station Procedures Led to RCS Pressure Boundary Leakage
Hope Creek (Units 1)	2013004-03	LICENSEE-IDENTIFIED VIOLATION
Hope Creek (Units 1)	2013005-01	NCV Failure to Follow Procedure for Configuration Control Activity Adversely Affected Unidentified Leakage in the Drywell
Hope Creek (Units 1)	2013005-02	Failure to Follow the Primary Containment Closeout Procedure when Declaring the Drywell Ready for Power Operation

Station	Item Number	Finding Title
Hope Creek (Units 1)	2013005-03	Inadequate Evaluation of Containment Vent Functionality
Hope Creek (Units 1)	2013005-04	Failure to Identify Adverse Trend Regarding Bailey Module and Auxiliary Card Failures
Hope Creek (Units 1)	2013005-05	LICENSEE-IDENTIFIED VIOLATION
Hope Creek (Units 1)	2013005-06	Operations with a Potential to Drain the Reactor Vessel (OPDRV) Without Secondary Containment
Hope Creek (Units 1)	2013007-01	Failure to Conduct Maintenance on the CR HVAC System in Accordance with the Procedure
Hope Creek (Units 1)	2013007-02	Failure to Take Timely Corrective Action for an Identified Design Deficiency with the CR HVAC System
Hope Creek (Units 1)	2013008-01	Inadequate Post-Fire Safe Shutdown Procedures
Hope Creek (Units 1)	2013404-01	LICENSEE-IDENTIFIED VIOLATION
Hope Creek (Units 1)	2013406-01	LICENSEE-IDENTIFIED VIOLATION
Hope Creek (Units 1)	2014002-01	Inadequate Preventative Maintenance for Safety-Related Circuit Cards
Hope Creek (Units 1)	2014002-02	Untimely Identification and Corrective Actions for a Condition Adverse to Quality related to 480 VAC Masterpact Breakers
Hope Creek (Units 1)	2014002-03	Failure to Follow Procedure Resulting in the Potential Inoperability of a Safety-Related System
Hope Creek (Units 1)	2014002-04	Inadequate Evaluation of 480VAC Motor Control Center Design Change
Hope Creek (Units 1)	2014002-05	Failure to Maintain B.5.b Equipment in a State of Readiness to Support Mitigation Strategies per 10 CFR 50.54(hh)(2)
Hope Creek (Units 1)	2014002-06	Failure to Use Approved Method of Post-Scram Reactor Pressure Control
Hope Creek (Units 1)	2014002-07	Low-Low Set Safety/Relief Valve Pilot Solenoid Operated Valve Failed As-Found Testing
Hope Creek (Units 1)	2014003-01	Inadequate Procedural Guidance for Responding to an Internal Flooding Event in the HPCI and RCIC Rooms

Station	Item Number	Finding Title
Hope Creek (Units 1)	2014003-02	Failure to Evaluate an Identified Issue with the Moisture Separator Dump Valve Performance
Hope Creek (Units 1)	2014003-03	Failure to Follow Procedure Resulting in the Loss of a Vital 4kV Bus
Hope Creek (Units 1)	2014003-04	Inadequate Implementation of Contingency Actions During Moisture Separator Emergency Level Controller Tuning
Hope Creek (Units 1)	2014003-05	Inadequate Evaluation of a Main Control Room Chiller Design Change
Hope Creek (Units 1)	2014003-06	LICENSEE-IDENTIFIED VIOLATION
Hope Creek (Units 1)	2014005-01	Failure to Identify and Correct a Condition Adverse to Quality Associated with Safety Relief Valve Discharge Piping Misalignment
Hope Creek (Units 1)	2014403-01	SECURITY
Hope Creek (Units 1)	2014403-02	SECURITY
Hope Creek (Units 1)	2014404-01	SECURITY
Hope Creek (Units 1)	2014404-02	SECURITY
Hope Creek (Units 1)	2015001-01	Failure to Identify and Correct a Condition Adverse to Quality Associated with the Reactor Core Isolation Cooling System Insulation and Oil
Hope Creek (Units 1)	2015001-02	Failure to Take Timely Corrective Actions to Correct a Condition Adverse to Quality Related to a 480 VAC Masterpact Breaker Performer Plug
Hope Creek (Units 1)	2015002-01	Failure to Identify and Correct a Condition Adverse to Quality Associated with Safety Relief Valve Inlet Piping
Hope Creek (Units 1)	2015002-02	Failure to Request a Generic Fundamentals Examination Waiver for a Senior Operator License Applicant
Hope Creek (Units 1)	2015002-03	Conditions Prohibited by Technical Specifications Due to Core Spray Inoperabilities
Hope Creek (Units 1)	2015002-04	Operations with a Potential to Drain the Reactor Vessel (OPDRV) Without Secondary Containment
Hope Creek (Units 1)	2015003-01	Inaccurate Information Provided to the NRC in License Amendment Request for Service Water Bay Watertight Doors
Hope Creek (Units 1)	2015003-02	Unauthorized Locked High Radiation Area Entry

Station	Item Number	Finding Title
Hope Creek (Units 1)	2015003-03	LICENSEE-IDENTIFIED VIOLATION
Hope Creek (Units 1)	2015004-01	Failure to Follow CAP Procedures to Ensure Functionality of the Main Control Room during a Station Blackout
Hope Creek (Units 1)	2015004-02	LICENSEE-IDENTIFIED VIOLATION
Hope Creek (Units 1)	2015007-01	Failure to establish appropriate acceptance criteria for RHR and core spray pump start times during simulated LOCA/LOP testing.
Hope Creek (Units 1)	2015007-02	Inadequate work order instructions and drawings resulting in improper installation of a safety-related SW valve.
Hope Creek (Units 1)	2015008-01	Inadequate Preventive Maintenance for Safety-Related Optical Isolators in the Residual Heat Removal System
Hope Creek (Units 1)	2015008-02	Failure to Submit a Licensee Event Report for a Condition Prohibited by Technical Specifications
Hope Creek (Units 1)	2015008-03	Failure to Monitor the Reactor Manual Control System under 50.65(a)(1) due to Inadequate Maintenance Rule Functional Failure Evaluations
Hope Creek (Units 1)	2015403-01	SECURITY
Hope Creek (Units 1)	2015404-01	SECURITY
Hope Creek (Units 1)	2015404-02	SECURITY
Hope Creek (Units 1)	2016001-01	Untimely correction of a Condition Adverse to Quality Associated with High Vibrations on the 'C' Emergency Diesel Generator
Hope Creek (Units 1)	2016001-02	LICENSEE-IDENTIFIED VIOLATION
Hope Creek (Units 1)	2016002-01	Inadequate Maintenance Rule Monitoring of Multiple Systems, including the Effluent Radiation Monitoring System and the Reactor Core Isolation Cooling System
Hope Creek (Units 1)	2016002-02	Failure to Scope the Filtration, Recirculation, and Ventilation System Effluent Radiation Monitor in the Maintenance Rule
Hope Creek (Units 1)	2016002-03	LICENSEE-IDENTIFIED VIOLATION
Hope Creek (Units 1)	2016003-01	Inadequate Implementation of Adverse Condition Monitoring Actions for the High Pressure Coolant Injection System
Hope Creek (Units 1)	2016003-02	Untimely Submittal of an LER for a Condition that Could Have Prevented Fulfillment of a Safety Function

Station	Item Number	Finding Title
Hope Creek (Units 1)	2016003-03	Inadequate Procedure Adherence Resulted in a Loss of Shutdown Cooling
Hope Creek (Units 1)	2016003-04	Inadequate Corrective Actions for Main Control Room Chiller Positioner Failure
Hope Creek (Units 1)	2016004-01	Trip of Protected RWCU Pump during Maintenance Activity
Hope Creek (Units 1)	2016004-02	Inadequate Implementation of a Design Change Causes Multiple 'B' Channel Instruments to be Inoperable
Hope Creek (Units 1)	2016007-01	Inadequate Testing of Emergency Diesel Generator Takeover Switches and Remote Shutdown Panel Transfer/Isolation Relays
Hope Creek (Units 1)	2016007-02	Inadequate Testing of the Remote Shutdown Panel RCIC Flow Control Circuit (
Hope Creek (Units 1)	2016404-01	SECURITY
Hope Creek (Units 1)	2016404-02	SECURITY
Hope Creek (Units 1)	2017001-01	Inadequate Control of Defective Material Causes the 'A' EDG to Fail to Start
Hope Creek (Units 1)	2017001-02	Inadequate Preventive Maintenance Replacement Schedule for the HPCI Overspeed Trip Tappet Reset Spring)
Hope Creek (Units 1)	2017001-03	Operations with a Potential to Drain the Reactor Vessel (OPDRV) Without Secondary Containment
Hope Creek (Units 1)	2017002-01	LICENSEE-IDENTIFIED VIOLATION
Hope Creek (Units 1)	2017003-01	Inadequate Operability Determination of Ground Fault Alarm
Hope Creek (Units 1)	2017003-02	Inadequate Establishment of Maintenance Rule Goals, Monitoring, and Corrective Actions for the Reactor Protection System
Hope Creek (Units 1)	2017004-01	Scaffold Installed with Insufficient Separation from Safety Related Equipment
Hope Creek (Units 1)	2017004-02	Inadequate Design Control of Emergency Diesel Generator Speed Switch
Hope Creek (Units 1)	2017007-01	Secondary Containment Integrity Not Maintained Due to Door not Properly Dogged
Hope Creek (Units 1)	2017008-01	Improper Preventive Maintenance Deletion Results in the Inoperability of the 'A' Control Room HVAC System
Hope Creek (Units 1)	2017010-01	Failed to follow site procedures resulting in a reactor scram
Hope Creek (Units 1)	2017403-01	LICENSEE-IDENTIFIED VIOLATION

Station	Item Number	Finding Title
Hope Creek (Units 1)	2018001-01	Implementing Procedures for Beyond Design Basis FLEX Mitigating Strategies Not Followed
Hope Creek (Units 1)	2018001-02	Concern Regarding As-Found Values for Safety Relief Valve Lift Setpoints Exceed Technical Specification Allowable Limit
Hope Creek (Units 1)	2018002-01	Inadequate Instructions for Station Service Water Pump Maintenance
Hope Creek (Units 1)	2018003-02	Inadequate Procedures for Restoration of the 'A' Reactor Feed Pump Turbine Following Maintenance
Hope Creek (Units 1)	2018003-03	Inadequate Procedures for Fuel Conditioning Results in Multiple Fuel Leaks
Hope Creek (Units 1)	2018003-04	Enforcement Action (EA)-18-044: EGM on Dispositioning BWR Licensee Noncompliance With TS Containment Requirements During Operations With A Potential For Draining The Reactor Vessel (EGM-11-003)
Hope Creek (Units 1)	2018403-01	SECURITY
Hope Creek (Units 1)	2018403-02	LICENSEE-IDENTIFIED VIOLATION
Hope Creek (Units 1)	2018410-01	SECURITY
Hope Creek (Units 1)	2018003-05	MINOR VIOLATION
Hope Creek (Units 1)	2018004-01	Inadequate High Pressure Coolant Injection Trip Unit Preventive Maintenance
Hope Creek (Units 1)	2018004-02	LICENSEE-IDENTIFIED VIOLATION
Hope Creek (Units 1)	2018004-03	MINOR VIOLATION
Hope Creek (Units 1)	2019001-01	Failure to Follow Corrective Action Program (CAP) Procedures
Hope Creek (Units 1)	2019002-01	LICENSEE-IDENTIFIED VIOLATION
Hope Creek (Units 1)	2019003-01	Inadequate SRV Performance Monitoring and Analysis
Hope Creek (Units 1)	2019004-01	Inadequate Evaluation of Emergency Diesel Generator Preventive Maintenance Change Request
Hope Creek (Units 1)	2019004-02	Failure to Control Transient Combustible Lube Oil In Accordance With Fire Protection Program Procedure
Hope Creek (Units 1)	2019011-01	Failure to Protect Automatic Start Capability of Fire Pumps Due to Fire Damage
Hope Creek (Units 1)	2019011-02	Inadequate Procedural Guidance to Perform Time Critical Actions
Hope Creek (Units 1)	2019011-03	LICENSEE-IDENTIFIED VIOLATION
Hope Creek (Units 1)	2019012-01	Failure to Properly Fill and Vent Flow Indicators Results in Loss of SAWA/SAWM Flow Instrumentation Accuracy
Hope Creek (Units 1)	2019410-01	SECURITY
Hope Creek (Units 1)	2019410-02	SECURITY

Station	Item Number	Finding Title
Hope Creek (Units 1)	2020001-01	Inadequate Test Control of Emergency Load Sequencers Redundant Solid-State Logic Timer Module
Hope Creek (Units 1)	2020001-02	SRV Lift Setpoints Exceed Technical Specification Limits
Hope Creek (Units 1)	2020401-01	LICENSEE-IDENTIFIED VIOLATION

Environmental Enforcements 2010-2020:

Station	Year	Item Number	Finding
Salem & Hope Creek	2013	PEA130001	Inaccurate Entries in 2011 Emissions Statement
Hope Creek	2013	PEA13001	Non-Compliance Total Coliform
Hope Creek	2015	PEA150001	Non-Compliance Total Coliform
Hope Creek	2016	PEA160001	Non-Compliance E.coli
Salem & Hope Creek	2017	PEA170001	Failure to comply with various applicable spill plan requirements
Hope Creek	2017	PEA170001	Non-Compliance E.coli

OSHA Violations from 2010-2020:

Number:	Citation:	Issuance:	Company Cited:
1057271.015	Standard Cited: 19100147 E02 I The control of hazardous energy (lockout/tagout).	6/19/2015	PSEG Nuclear
1115505.015	Standard Cited: 19100269 V10 I Electric Power Generation, Transmission, and Distribution.	5/12/2016	PSEG Nuclear