

**NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY  
SUPPLEMENTAL INSPECTIONS**

<b>ACTIVITY</b>	<b>PRE-STARTUP</b>	<b>CO ITEM</b>	<b>PROCEDURE</b>	<b>INSPECTOR</b>	<b>START</b>	<b>END</b>
<b>Emergency Plan / Event Response</b>						
Evaluate adequacy of emergency response equipment identified in the emergency plan	Yes	No	IP 69011	Kevin Roche	8/15/2022	8/26/2022
Evaluate adequacy of emergency plan implementation procedures	Yes	Section III 1.e.iii Section III 2.d.i	IP 69011	Kevin Roche	8/15/2022	8/26/2022
Observe implementation of emergency plan procedures	No	No	IP 69011	Kevin Roche	Pending NIST schedule for emergency drills/ exercises	TBD
Review availability of items or systems for operators to check prior to control room evacuation	No	No	IP 69011	Kevin Roche	8/29/2022	9/24/2023
Review availability of Post-evacuation Checklist	No	Section III 1.e.iii	IP 69011	Kevin Roche	8/29/2022	9/24/2023
Evaluate adequacy of guidance in emergency instructions for confinement re-occupation	Yes	Section III 1.e.iii	IP 69011	Kevin Roche	8/15/2022	8/26/2022
<b>Refueling / Fuel Handling</b>						
Evaluate adequacy of fueling and defueling procedures	Yes	Section III 1.e.viii Section III 2.c.i Section III 2.c.ii	IP 69009	Kevin Roche	8/15/2022	8/26/2022
Observe implementation of fueling procedures	Yes	No	IP 69009	Kevin Roche	Pending new core loading and refueling schedule	TBD

ACTIVITY	PRE-STARTUP	CO ITEM	PROCEDURE	INSPECTOR	START	END
Observe implementation of defueling procedures	No	No	IP 69009	Kevin Roche	Pending shutdown and refueling schedule	TBD
Evaluate adequacy of procedures used for latch checking	Yes	Section III 1.e.vii Section III 1.e.ix Section III 1.e.xi	IP 92702	Kevin Roche	8/15/2022	8/26/2022
Observe implementation of procedures for latch checking	Yes	No	IP 92702	Kevin Roche	Pending new core loading and refueling schedule	TBD
Evaluate adequacy of loaded restart core for consistency with technical specifications and analysis	Yes	No	IP 92702	Kevin Roche Ben Parks	Pending NIST completion of analysis and schedule for core loading	TBD
<b>Startup</b>						
Evaluate adequacy of reactor startup procedures determined necessary for restart	Yes	Section III 1.d.iii Section III 2.c.ii Section III 2.c.iii Section V 4.b	IP 69008	Amy Beasten	9/12/2022	9/30/2022
Observe implementation of reactor startup procedures	Yes	No	IP 69008	Amy Beasten	Pending restart plan from NIST	TBD
Review pre-critical start-up procedures	Yes	Section III 1.e.vii	IP 69008	Amy Beasten	9/12/2022	9/30/2022
<b>Operator Licensing</b>						
Evaluate adequacy of proficiency training of reactor operations personnel identified to be completed prior to startup (including fuel handling, refueling and latch checking proficiency of operators)	Yes	Section III 2.b Section V 3.a	IP 69008	Amy Beasten	9/12/2022	9/30/2022

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Evaluate adequacy of licensed operator proficiency training	No	Section III 2.b Section V 3.b	IP 69003	Amy Beasten	11/1/2022	12/1/2022
Observe implementation of licensed operator proficiency training	No	No	IP 69003	Kevin Roche Amy Beasten	11/1/2022	9/24/2023
Evaluate adequacy of operator training on off-normal conditions during startup and operations conditions	Yes	Section III 2.b Section V 3.a	IP 92702	Amy Beasten	9/12/2022	9/30/2022
<b>Management Oversight</b>						
Evaluate adequacy of qualification training for supervisors overseeing refueling operations	Yes	Section III 2.b.i	IP 92702	Dan Bradley	8/15/2022	8/26/2022
Evaluate adequacy of policies and procedures in place to ensure training of reactor operations and engineering personnel on procedure adherence	Yes	Section III 1.d.i	IP 92702	Dan Bradley	8/15/2022	8/26/2022
<b>Corrective Actions</b>						
Evaluate program to ensure expectations, processes, and procedures are in place to identify and implement safety improvements	No	Section III 1.c	IP 92702	Kevin Roche	5/2023	6/2023
Evaluate the adequacy of corrective actions for re-evaluated root cause analysis performed with emphasis on nuclear safety culture	No	Section V 2.b	IP 92702	Kevin Roche	Pending completion of independent third-party assessments	TBD

ACTIVITY	PRE-STARTUP	CO ITEM	PROCEDURE	INSPECTOR	START	END
Confirm primary system characterization/readiness following fuel debris cleanup	Yes	No	IP 92701	Dan Bradley Patrick Boyle	Pending NIST completion of evaluation	TBD
Confirm that the appropriate shielding is in place to ensure safe access for maintenance.	Yes	No	IP 92701	Dan Bradley Patrick Boyle	Pending NIST completion of evaluation	TBD
Confirm consideration of CO2 build up potential in safety documentation and emergency plan	No	No	IP 92701	Kevin Roche Patrick Boyle	Pending NIST submittal of updated plan	TBD
Review root cause of #2 shutdown pump failure and corrective actions, including evaluation of the extent of condition	No	No	IP 92701	Kevin Roche Patrick Boyle	Pending NIST completion of root cause	TBD
<b>Safety Committee Oversight</b>						
Review disposition of Safety Advisory Committee recommendations	No	No	IP 69007	Kevin Roche	8/29/2022	9/24/2023
<b>Procedures</b>						
Evaluate program and processes in place to ensure quality of written procedures, to ensure procedures can be effectively executed, and to ensure procedures are periodically evaluated to implement improvements	No	Section III 1.d.ii Section III 1.d.iv	IP 69009 IP 92702	Kevin Roche	2/2025	3/2025

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Evaluate startup procedures for consistency with INPO-1103, "Guideline for Excellence in Procedure and Work Instruction Use and Adherence"	Yes	Section III 1.d.iii Section III 2.c.ii Section III 2.c.iii Section V 4.a Section V 4.b	IP 92702	Dan Bradley	8/15/2022	8/26/2022
Evaluate reactor startup procedures to instruct operators to identify abnormal fluctuations in nuclear instrumentation	Yes	No	IP 92702	Amy Beasten	9/12/2022	9/30/2022
<b>Design Change Process</b>						
Review refueling tool wear and replacement program	No	Section III 1.e.v	IP 69008	Kevin Roche	8/29/2022	9/24/2023
Review change process program and procedures for compliance with Title 10 of the <i>Code of Federal Regulations</i> (10 CFR) 50.59	No	Section III 1.c	IP 69008	Kevin Roche	8/29/2022	9/24/2023
Evaluate effectiveness of Engineering Change Management Program for ensuring changes are made consistent with 10 CFR 50.59	No	Section III 1.c.iii	IP 92701	Kevin Roche	8/1/2023	9/24/2023
<b>Safety Culture</b>						
Conduct safety-conscious work environment follow-up inspection prior to startup	Yes	No	IP 93100	Dori Willis Molly Keefe-Forsyth	Pending restart plan from NIST	TBD
Conduct safety culture inspection following 3 <sup>rd</sup> party 1 <sup>st</sup> assessment	No	Section V 2.a.iii	IP 93100	Dori Willis Molly Keefe-Forsyth	2/2024 – tentative based on completion of 1 <sup>st</sup> assessment	3/2024

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Conduct safety culture inspection following 3 <sup>rd</sup> party 2 <sup>nd</sup> assessment	No	Section V 2.a.vii	IP 93100	Dori Willis Molly Keefe-Forsyth	8/2025 – tentative based on completion of 2 <sup>nd</sup> assessment	9/2025
Conduct safety culture inspection following 3 <sup>rd</sup> part 3 <sup>rd</sup> assessment	No	Section V 2.a.viii	IP 93100	Dori Willis Molly Keefe-Forsyth	1/2027 – tentative based on completion of 3 <sup>rd</sup> assessment	2/2027
<b>Security</b>						
Evaluate adequate implementation of nuclear material accounting for damaged fuel element	No	No	IP 81606 IP 92701	Michael Takacs	Pending completion of primary system characterization	9/24/2022