

State of CT Response Actions due to 10 CFR 50.72 Reports <sup>1</sup>			
Reported Pursuant to	Date	Description	State Action
50.72(b)(2)(xi) Event of Interest	8/26/2015	AMTRAK train knocked over pole for electrified line causing fire outside the PA but on the OCA. Offsite fire responded.	Notified PIOs as well as state and local EMDs that fire response did not affect nuclear reactors and there was no release
	1/2/2016	Fishkill reported	Referred to agency marine fisheries division. Notified local town EMDs of event.
	9/6/2017	Inspection identified the potential for small amounts of water containing tritium and secondary chemicals to be released to the ground within the plant Protected Area. The water met all permit limits for discharge to the normal discharge point. Groundwater tritium levels are well below reportable limits	<ul style="list-style-type: none"> <li>- Sampled offsite public water system</li> <li>- Notified state DPH and local health departments of issue</li> <li>- Notified members of Nuclear Energy Advisory Council (NEAC, a statutory citizens advisory board<sup>2</sup>)</li> <li>- Notified members of New England Radiological Health Compact per the compact plan (NERHC is a mutual aid compact in statute for all 6 New England States<sup>3</sup>)</li> <li>- Agency follow-up with Licensee and NRC RI's to view tritium sampling results and ensure leak was repaired</li> <li>- Reviewed licensee annual environmental report to verify leak was included</li> </ul>

<sup>1</sup> State of CT Department of Energy and Environmental Protection (DEEP) is required to be notified of "any occurrence, incident or other abnormal circumstance, unless it is immediately evident that such occurrence, incident or circumstance is not required to be reported within twenty-four hours or sooner to the Nuclear Regulatory Commission" pursuant to CT General Statute (CGS) section 22a-135(a)(3)

<sup>2</sup> Pursuant to CGS Sect. 16-11a NEAC reviews issues related to "issues relating to the safety and operation of the nuclear power generating facilities located in this state and to advise the Governor, the General Assembly and municipalities within a five-mile radius of any nuclear power generating facility in this state of such issues"

<sup>3</sup> Pursuant to CGS Sect. 22a-159 each state shall "put into effect an intrastate radiation incident plan."

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	08/02/2018	Notified of a leak of tritiated water in excess of the NEI GWPI voluntary reporting levels	<ul style="list-style-type: none"> <li>- Notified state DPH and local health departments of issue. Coordinated sampling and analysis of previous samples from public water systems</li> <li>- Notified private water systems owners near facility</li> <li>- Notified local EMDs and PIOs of issue.</li> <li>- Notified members of NEAC</li> <li>- Notified members NERHC per the compact plan</li> <li>- Agency follow-up with Licensee and NRC RI's to view tritium sampling results and ensure leak was repaired</li> <li>- Reviewed licensee annual environmental report to verify leak was included</li> </ul>
50.72(b)(3)(iv)(A)	1/25/2016	Unit 3 reactor trip due to loss of B RCP	<ul style="list-style-type: none"> <li>- Notified state and local EMDs and PIOs that trip occurred, no radiological release, and low risk for escalation</li> <li>- Notified energy division</li> <li>- Notified air monitoring division for potential increase in air emissions due to nuclear unit going offline</li> <li>- Notified members of NEAC</li> <li>- Notified members NERHC per the compact plan</li> </ul>

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	5/15/2016	Manual reactor trip due to hydrogen leak in main generator. This was followed by Unusual Event declaration	<ul style="list-style-type: none"> <li>- Notified state and local EMDs and PIOs that trip occurred, no radiological release, and that there was some risk for escalation</li> <li>- Notified energy division</li> <li>- Notified air monitoring division for potential increase in air emissions due to nuclear unit going offline</li> <li>- Notified members of NEAC</li> <li>- Notified members NERHC per the compact plan</li> </ul>
	6/12/2016	Reactor trip due to feedwater isolation (during shutdown process reported separately)	<ul style="list-style-type: none"> <li>- Notified state and local EMDs and PIOs of reactor trip and steam release to environment</li> <li>- Initiated monitoring of containment parameters to assess risk for escalation</li> <li>- Initiated monitoring of site and off-site radiation monitors for indications of radiological release</li> <li>- Notified air monitoring division for potential increase in air emissions due to nuclear unit going offline</li> <li>- Notified members of NEAC</li> <li>- Notified members NERHC per the compact plan</li> </ul>

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	12/27/2019	Unit 2 Reactor trip	<ul style="list-style-type: none"> <li>- Notified state and local EMDs and PIOs that trip occurred, no radiological release, and low risk for escalation</li> <li>- Notified energy division monitoring performance as part of contract for carbon free energy</li> <li>- Notified air monitoring division for potential increase in air emissions due to nuclear unit going offline</li> <li>- Notified members of NEAC</li> <li>- Notified members NERHC per the compact plan</li> </ul>
	4/1/2020	Unit 3 Reactor trip also reported pursuant to 10CFR50.72(b)(3)(iv)(A) and 10CFR50.72(b)(3)(iv)(B) for actuation of the auxiliary feedwater system	<ul style="list-style-type: none"> <li>- Notified state and local EMDs and PIOs that trip occurred, no radiological release, and low risk for escalation</li> <li>- Notified energy division monitoring performance as part of contract for carbon free energy</li> <li>- Notified air monitoring division for potential increase in air emissions due to nuclear unit going offline</li> <li>- Notified members of NEAC</li> <li>- Notified members NERHC per the compact plan</li> </ul>

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	4/13/2020	Unit 3 Reactor trip also reported pursuant to 10CFR50.72(b)(3)(iv)(A) and 10CFR50.72(b)(3)(iv)(B) for actuation of the auxiliary feedwater system. Steam being released to atmosphere.	<ul style="list-style-type: none"> <li>- Notified state and local EMDs and PIOs that trip occurred, no radiological release, and low risk for escalation</li> <li>- Notified PIOs and EMDs that steam release is non-radioactive</li> <li>- Notified energy division monitoring performance as part of contract for carbon free energy</li> <li>- Notified air monitoring division for potential increase in air emissions due to nuclear unit going offline</li> <li>- Notified members of NEAC</li> <li>- Notified members NERHC per the compact plan</li> </ul>
10 CFR 50.72(b)(3)(v)(D)	10/22/2018	Excessive in-leakage caused Loss of Safety Function for Control Room Envelope. TS action statement entered	- Notified NEAC
	11/24/2018	Excessive in-leakage caused Loss of Safety Function for Control Room Envelope. TS action statement entered	<ul style="list-style-type: none"> <li>- Notified NEAC</li> <li>- Follow-up with NRC RI to follow-up repeat issue</li> </ul>
	6/5/2020	Boundary door latch failure resulted in Loss of Safety Function for Control Room Envelope. TS action statement entered	- Notified NEAC
	10/2/2020	Blocked open door resulted in loss of safety function for Enclosure Bldg (secondary containment)	<ul style="list-style-type: none"> <li>- Notified NEAC</li> <li>- Briefed dose assessment staff of incident</li> </ul>

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Reported Pursuant to	Date	Description	State Action
10CFR50.72(b)(2)(i)	6/12/2016	Notified of manual reactor shutdown due to excessive RCP seal leakage	<ul style="list-style-type: none"> <li>- Notified state and local EMDs and PIOs of shutdown</li> <li>- Initiated monitoring of containment parameters to assess risk for escalation</li> <li>- Initiated monitoring of site and off-site radiation monitors for indications of radiological release</li> <li>- Notified air monitoring division for potential increase in air emissions due to nuclear unit going offline</li> <li>- Notified members of NEAC</li> <li>- Notified members NERHC per the compact plan</li> </ul>
	12/17/2019	Initiation of TS required shutdown due to expiration of LCO for emergency diesel generator	<ul style="list-style-type: none"> <li>- Notified state and local EMDs and PIOs of shutdown, no radiological release, and low risk for escalation</li> <li>- Notified energy division monitoring performance as part of contract for carbon free energy</li> <li>- Notified air monitoring division for potential increase in air emissions due to nuclear unit going offline</li> <li>- Notified members of NEAC</li> <li>- Notified members NERHC per the compact plan</li> </ul>
10CFR50.72(b)(3)(v) and 50.72(b)(3)(vi)	4/9/2016	During mode 5 identified condition with secondary containment boundary that would prevent fulfillment of safety function	- Notified NEAC
	4/27/2016	Door to TDAFW room found open and unattended. Door closed upon discovery.	- Notified NEAC

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	8/4/2020	High strainer d/p heavy debris impingement in the Intake due to Tropical Storm Isaias resulted in both trains of service water inoperable. System restored in 1 hour	<ul style="list-style-type: none"><li>- Notified NEAC</li><li>- Briefed ERO staff of loss of safety function</li></ul>