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**6 septembre 2016**

## **Etats-Unis : Pilgrim : arrêt manuel d'urgence du réacteur suite à l'atteinte d'un niveau d'eau de refroidissement trop important**

**Cette hauteur trop élevée a été atteinte suite à l'oscillation du système de contrôle du niveau d'eau de refroidissement. En salle de commande, le temps que dure ce type d'oscillation a du être très difficile à vivre. L'arrêt d'urgence se serait effectué correctement. Le dysfonctionnement d'une vanne serait à l'origine du problème.**

**Type : Fukushima I (BWR type Mark 1) - Puissance : 2 028 MWth - Première divergence : 06 1972 -**

***Available in english only***

Event Number : 52223

Facility : PILGRIM

Region : 1 State : MA

Unit : [1] - RX Type : [1] GE-3

Event Date : 09/06/2016

Event Time : 08:27 [EDT]

Emergency Class : NON EMERGENCY

10 CFR Section :

50.72(b)(2)(iv)(B) - RPS ACTUATION - CRITICAL

50.72(b)(3)(iv)(A) - VALID SPECIF SYS ACTUATION

Initial PWR : 90 %

Current PWR : 0 %

Event Text

## **MANUAL REACTOR SCRAM DUE TO HIGH REACTOR WATER LEVEL**

"On Tuesday, September 6, 2016 at 0827 [EDT], with the reactor at 91% core thermal power (CTP), Pilgrim Nuclear Power Station (PNPS) operators initiated a manual reactor scram due to high reactor water level resulting from feedwater level control oscillation. Other than the feedwater level control oscillations, all other plant systems responded as designed. Plant cooldown is in progress using the High Pressure Coolant Injection System in the pressure control mode.

"The plant is in hot shutdown. The cause of the feed water level control oscillations is under investigation. This event has no impact on the health and safety of the public.

"Subsequent to the manual reactor scram the plant experienced the following isolation signals :

Group 1 Isolation : Main Steam Isolation Valves

Group 2 Isolation : Miscellaneous containment isolation valves

Group 6 Isolation : Reactor Water Clean-up

Reactor Building [Ventilation] Isolation Actuation

"The licensee has notified the NRC Senior Resident Inspector.

"This notification is being made in accordance with 10 CFR 50.72(b)(2)(iv)(B), 'any event that results in actuation of the reactor protection system (RPS) when the reactor is critical...'. This notification is also being made in accordance with 10 CFR 50.72(b)(3)(iv)(A), 'Any event or condition that results in valid actuation of any of the systems listed in paragraph (b)(3)(iv)(B) of this section...' (B)(2) 'General containment isolation signals affecting containment isolation valves in more than one system or multiple main steam isolation valves (MSIVs).'"

All rods were inserted. The plant is stable with normal off-site power line-up.

The licensee will notify the Commonwealth of Massachusetts.

<https://www.nrc.gov/reading-rm/doc-collections/event-status/event/2016/20160907en.html>