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9 juillet 2018

# Etats-Unis : Browns Ferry : indisponibilité du système d'injection de liquide haute pression de refroidissement d'urgence du réacteur n°1

Lors de contrôles, les opérateurs ont identifié que les vannes du système d'injection haute pression de liquide de refroidissement d'urgence étaient isolées. Ce problème est lié à la survenue d'un signal intempestif d'isolement du circuit primaire qui a été envoyé pendant un test. Le signal erroné a été annulé et l'isolement de l'injection haute pression remis en service suite à son "reset". Le système d'injection est resté indisponible durant 2 h et 55 mn

▶ **Type : Fukushima 1 (BWR Mark 1) - Puissance : 3 458 MWth - Première divergence : 8 / 1973 -**

*Available in english only*

Event Number : 53497

Facility : BROWNS FERRY - State : AL

Unit : [1] - RX Type : [1] GE-4

Notification Time : 17:01 [ET]

Event Date : 07/09/2018 - Event Time : 00:00 [CDT]

Emergency Class : NON EMERGENCY

10 CFR Section : 50.72(b)(3)(v)(D) - ACCIDENT MITIGATION

Initial PWR : 100 % Current PWR : 100 %

Event Text

### **HIGH PRESSURE COOLANT INJECTION SYSTEM DECLARED INOPERABLE**

"On 07/09/2018 at 1111 CDT, Browns Ferry Unit 1 Operators identified U1 High Pressure Cooling Injection system steam supply valves were isolated. After reviewing ICS [Integrated Computer System], Operations determined isolation occurred at 0958 CDT during performance of surveillance testing. The Browns Ferry Nuclear Plant Unit 1 High Pressure Coolant Injection (HPCI) system was declared inoperable at 0958 CDT due to an inadvertent isolation that occurred during testing. During performance of surveillance procedure 1-SR-3.3.6.1.2(3B) HPCI System Steam Supply Low Pressure Functional test, an erroneous signal was induced causing actuation of primary containment isolation system group IV (i.e., HPCI Isolation). Technical Specification 3.5.1, ECCS-Operating, Condition C was entered as a result of the inoperable HPCI system. This constitutes an unplanned HPCI system inoperability and requires an 8-hour NRC notification in accordance with 10 CFR 50.72(b)(3)(v)(D). The erroneous signal was cleared and the HPCI isolation was reset. Upon reset of the isolation signal, the HPCI system was returned to available status. The HPCI system was unavailable for 2 hours and 55 minutes, however the HPCI system remains inoperable.

"There was no impact to the health and safety of the public or plant personnel as a result of this condition.

"The NRC Resident Inspector has been notified.

"A condition report has been entered into the Licensee's Corrective Action Program to capture this event."

<https://www.nrc.gov/reading-rm/doc-collections/event-status/event/2018/20180710en.html>