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5 février 2019

Etats-Unis : Quad Cities : découverte du circuit d'injection de liquide de refroidissement haute pression du coeur en panne

C'est suite à la découverte d'un fusible H.S. que ce système d'injection de sécurité fondamental a lui-même été déclaré hors service.

La dernière fois que le système a été contrôlé opérationnel remonte à... 3 mois.

Type : Fukushima 1 (BWR Mark 1) - Puissance : 2 957 MWth - Première divergence : 10 /1971 -

Available in english only

Event Number : 53861

Facility : QUAD CITIES - State : IL

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

Event Date : 02/05/2019 - Event Time : 18:04 [CST]

Emergency Class : NON EMERGENCY

10 CFR Section :

50.72(b)(3)(v)(D) - ACCIDENT MITIGATION

Initial PWR : 100 %

Current PWR : 100 %

Event Text

UNIT ONE HPCI SYSTEM INOPERABLE DUE TO BLOWN FUSE

"On February 5, 2019, at 1804 [CST], during a Unit 1 High Pressure Coolant Injection (HPCI) operability surveillance, a fuse blew in the logic for the motor speed changer for the turbine. The Unit 1 HPCI system was taken out of service for planned maintenance earlier in the day. The fuse issue was not related to any maintenance activities. Had HPCI been demanded, this fuse failure would not have allowed HPCI to reach its required speed. HPCI remains inoperable pending resolution of the issue. The Reactor Core Isolation Cooling (RCIC) system was confirmed operable. There were no other systems inoperable at the time of the event. HPCI had been last successfully tested on November 6, 2018.

"This event is being reported as a condition that could have prevented fulfillment of a safety function in accordance with 10 CFR 50.72(b)(3)(v)(D). The HPCI system is a single train system and the loss of HPCI could impact the plant's ability to mitigate the consequences of an accident.

"The NRC Senior Resident Inspector has been notified."

Inoperable HPCI places the unit in a 14 day Technical Specification Limiting Condition of Operability.

<https://www.nrc.gov/reading-rm/doc-collections/event-status/event/2019/20190207en.html>