

Source : <https://www.sortirdunucleaire.org/Etats-Unis-Sequoyah-chute-du-generateur>

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24 juillet 2015

## **Etats-Unis : Sequoyah : Chute du générateur principal qui a entraîné l'arrêt de la turbine qui a elle-même arrêté le réacteur**

**Le système de refroidissement auxiliaire a pris le relais et l'arrêt se serait passé sans problème. L'origine du problème est en cours de recherche.**

Type : PWR - Puissance : 3 455 MWth - Première divergence : 07/1980

**Available in english only.**

Event Number : 51259

Facility : SEQUOYAH - State : TN

Unit : [1] - RX Type : [1] W-4-LP

Event Date : 07/24/2015 - Event Time : 13:51

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 : 100 % - Current PWR : 0 %

Event Text

### **AUTOMATIC REACTOR TRIP DUE TO TURBINE TRIP ON MAIN GENERATOR LOCKOUT**

"At 1351 EDT on 7/24/2015, Sequoyah Unit 1 reactor/turbine automatically tripped.

"Following the reactor trip, all safety-related equipment operated as designed. Auxiliary Feedwater automatically initiated as expected from the Feedwater Isolation Signal.

"Unit 1 is currently being maintained in Mode 3 at NOT/NOP, approximately 548 F and 2235 psig, with auxiliary feedwater supplying the steam generators and decay heat removal via the condenser steam dumps. The immediate cause of the trip was an electrically-induced turbine trip. There was no associated work in progress related to this and all systems were normally aligned.

"There is no indication of any primary/secondary leakage. All rods fully inserted on the reactor trip and remain inserted. The electrical alignment is normal with shutdown power supplied from off-site power. The 2B-B Emergency Diesel Generator is currently in service for the performance of an unrelated surveillance. There is no operational impact to Unit 2. Unit 2 continues to operate in Mode 1 at 100%.

"There was no impact on public health and safety. Post-trip investigation is in progress and planned restart timeline has not yet been determined.

"The licensee notified the NRC Resident Inspector."

<https://www.nrc.gov/reading-rm/doc-collections/event-status/event/2015/20150727en.html#en51259>