

<input checked="" type="checkbox"/> SUNSI Review By: SMJ2/NHT	ADAMS <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Publicly Available <input type="checkbox"/> Non-Publicly Available	<input checked="" type="checkbox"/> Non-Sensitive <input type="checkbox"/> Sensitive	Keyword: NRC-002		
OFFICE	PBB: BC	DRP: D	PAO	RSLO	RIV: RA	
NAME	NTalyor	TPruett	VDricks	WMaier	KKennedy	
SIGNATURE	/RA/	/RA RLantz for/	/RA/	/RA-E/	/RA SMorris, for/	
DATE	9/6/16	9/7/16	9/7/16	9/7/16	9/7/16	

September 2, 2016

**PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE - PNO-IV-16-002**

This preliminary notification constitutes EARLY notice of events of POSSIBLE safety or public interest significance. The information is as initially received without verification or evaluation, and is basically all that is known by the Region IV, Arlington, Texas staff on this date.

**Facility**

Wolf Creek Generating Station  
P.O. Box 411  
Burlington, KS 66839  
Docket: 50-482  
License No. NPF-42

**Licensee Emergency Classification**

Notification of Unusual Event  
 Alert  
 Site Area Emergency  
 General Emergency  
 Not Applicable

SUBJECT: WOLF CREEK PLANT TECHNICAL SPECIFICATION SHUTDOWN DUE TO REACTOR COOLANT SYSTEM LEAKAGE

DESCRIPTION:

On September 2, 2016, at 4:08 a.m., (all times CDT) while operating at full power, control room operators calculated unidentified reactor coolant system leakage of 1.358 gallons per minute, in excess of the Technical Specification 3.4.13 limit of 1 gallon per minute. At 10:00 a.m. Wolf Creek Generating Station commenced a reactor shutdown to comply with the Technical Specification. The licensee tripped the reactor from 30 percent power at 11:58 a.m. and entered Mode 3, Hot Shutdown.

The licensee entered the containment building and on September 3, 2016, at 03:45 a.m., discovered a non-pressure boundary leak from a canopy seal weld on a reactor vessel head penetration that serves one of the core exit thermocouples. The licensee plans to keep the plant shut down and commence their previously scheduled refueling outage earlier than planned. The licensee intends to repair the leak during the refueling outage.

The resident inspector, assisted by an additional inspector from another resident site, responded to the site to monitor plant parameters and licensee actions. The NRC resident staff will continue to monitor licensee actions and the plant repair activities.

NRC Region IV management received notification of this occurrence by a telephone call from the resident inspector at about 4:45 a.m. on September 2, 2016.

This preliminary notification is issued for information only and no further action by the staff is anticipated.

The State of Kansas has been notified.

The information presented herein has been discussed with the licensee and is current as of 2:00 p.m., September 6, 2016.

ADAMS ACCESSION NUMBER: ML16251A310

CONTACTS: Nick Taylor at 972-921-6398