



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

REGION IV
1600 E. LAMAR BLVD.
ARLINGTON, TX 76011-4511

March 2, 2016

Mr. Adam C. Heflin, President
and Chief Executive Officer
Wolf Creek Nuclear Operating Corporation
P.O. Box 411
Burlington, KS 66839

**SUBJECT: ANNUAL ASSESSMENT LETTER FOR WOLF CREEK GENERATING
STATION (REPORT 05000482/2015006)**

Dear Mr. Heflin:

On February 16, 2016, the Nuclear Regulatory Commission (NRC) completed its end-of-cycle performance review of Wolf Creek Generating Station. The NRC reviewed the most recent quarterly performance indicators (PIs) in addition to inspection results and enforcement actions from January 1 through December 31, 2015. This letter informs you of the NRC's assessment of your facility during this period and its plans for future inspections at your facility.

The NRC determined that overall, Wolf Creek Generating Station operated in a manner that preserved public health and safety and met all cornerstone objectives. The NRC determined the performance at Wolf Creek Generating Station during the most recent quarter was within the Licensee Response Column (Column 1) of the NRC's Reactor Oversight Process (ROP) Action Matrix because all inspection findings had very low (i.e., green) safety significance, and all PIs indicated that your performance was within the nominal, expected range (i.e., green). Therefore, the NRC plans to conduct ROP baseline inspections at your facility.

The enclosed inspection plan lists the inspections scheduled through December 31, 2017. Routine inspections performed by resident inspectors are not included in the inspection plan. The inspections listed during the second half of the inspection plan are tentative and may be revised at the mid-cycle performance review. The NRC provides the inspection plan to allow for the resolution of any scheduling conflicts and personnel availability issues. The NRC will contact you as soon as possible to discuss changes to the inspection plan should circumstances warrant any changes. This inspection plan does not include security related inspections, which will be sent via separate, non-publicly available correspondence.

In response to the accident at Fukushima, the Commission issued Order EA-12-049, "Order Modifying Licenses with Regard to Requirements for Mitigation Strategies for Beyond-Design-Basis External Events." This Order requires licensees to develop, implement, and maintain guidance and strategies to maintain or restore core cooling, containment, and spent fuel pool cooling capabilities following a beyond-design-basis external event. Additionally, the Commission issued Order EA-12-051, "Order Modifying Licenses with Regard to Reliable Spent Fuel Pool Instrumentation." This Order requires licensees to have a

reliable means of remotely monitoring wide-range Spent Fuel Pool levels to support effective prioritization of event mitigation and recovery actions in the event of a beyond-design-basis external event. The NRC is conducting audits of licensee efforts towards compliance with these Orders. This audit includes an onsite component in order for the NRC to evaluate licensee plans for complying with the Orders, as described in site-specific submittals, and to receive and review information relative to associated open items. This onsite activity will occur in the months prior to a declaration of compliance for the first unit at each site, and will aid staff in development of a Safety Evaluation for the site. The date for the onsite component at your site is being coordinated with your staff. A site-specific audit plan for the visit will be provided in advance to allow sufficient time for preparations. Following the audit, and after the NRC staff receives the Final Compliance letter for the site, the Final Safety Evaluation will be issued. Then, the NRC staff will confirm through inspections the full implementation of the orders mentioned above by performing Temporary Instruction 191: "Inspection of the Implementation of Mitigation Strategies and Spent Fuel Pool Instrumentation Orders and Emergency Preparedness Communication/Staffing/Multi-Unit Dose Assessment Plans."

In accordance with Title 10 of the *Code of Federal Regulations* (10 CFR) 2.390, "Public Inspections, Exemptions, Requests for Withholding," a copy of this letter, its enclosure, and your response (if any) will be available electronically for public inspection in the NRC's Public Document Room or from the Publicly Available Records (PARS) component of the NRC's Agencywide Documents Access and Management System (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Please contact me at 817-200-1141 with any questions you have regarding this letter.

Sincerely,

/RA/

Nick Taylor, Chief
Project Branch B
Division of Reactor Projects

Docket No: 50-482
License No: NPF-42

Enclosure:
Wolf Creek Generating Station
Inspection/Activity Plan

reliable means of remotely monitoring wide-range Spent Fuel Pool levels to support effective prioritization of event mitigation and recovery actions in the event of a beyond-design-basis external event. The NRC is conducting audits of licensee efforts towards compliance with these Orders. This audit includes an onsite component in order for the NRC to evaluate licensee plans for complying with the Orders, as described in site-specific submittals, and to receive and review information relative to associated open items. This onsite activity will occur in the months prior to a declaration of compliance for the first unit at each site, and will aid staff in development of a Safety Evaluation for the site. The date for the onsite component at your site is being coordinated with your staff. A site-specific audit plan for the visit will be provided in advance to allow sufficient time for preparations. Following the audit, and after the NRC staff receives the Final Compliance letter for the site, the Final Safety Evaluation will be issued. Then, the NRC staff will confirm through inspections the full implementation of the orders mentioned above by performing Temporary Instruction 191: Inspection of the Implementation of Mitigation Strategies and Spent Fuel Pool Instrumentation Orders and Emergency Preparedness Communication/Staffing/Multi-Unit Dose Assessment Plans.

In accordance with Title 10 of the *Code of Federal Regulations* (10 CFR) 2.390, "Public Inspections, Exemptions, Requests for Withholding," a copy of this letter, its enclosure, and your response (if any) will be available electronically for public inspection in the NRC's Public Document Room or from the Publicly Available Records (PARS) component of the NRC's Agencywide Documents Access and Management System (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Please contact me at 817-200-1141 with any questions you have regarding this letter.

Sincerely,

/RA/

Nick Taylor, Chief
 Project Branch B
 Division of Reactor Projects

Docket No: 50-482
 License No: NPF-42

Enclosure:
 Wolf Creek Generating Station
 Inspection/Activity Plan

ADAMS ACCESSION NUMBER: ML16061A402

<input checked="" type="checkbox"/> SUNSI Review By: NHT	ADAMS: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Sensitive <input checked="" type="checkbox"/> Non-Sensitive	<input type="checkbox"/> Non-Publicly Available <input checked="" type="checkbox"/> Publicly Available	Keyword NRC-002
OFFICE	RIV/BC/DRP	RIV/D/DRS	RIV/D/DRP	
NAME	NTaylor	AVegel	TPruett	
SIGNATURE	/RA/	/RA/	/RA/RLantz, for	
DATE	2/25/16	2/25/16	2/26/16	

OFFICIAL RECORD COPY

Letter to Adam C. Heflin from Nick Taylor dated March 2, 2016

SUBJECT: ANNUAL ASSESSMENT LETTER FOR WOLF CREEK GENERATING
STATION (REPORT 05000482/2015005)

DISTRIBUTION:

Regional Administrator (Marc.Dapas@nrc.gov)
Deputy Regional Administrator (Kriss.Kennedy@nrc.gov)
DRP Director (Troy.Pruett@nrc.gov)
DRP Deputy Director (Ryan.Lantz@nrc.gov)
DRS Director (Anton.Vegel@nrc.gov)
DRS Deputy Director (Jeff.Clark@nrc.gov)
Senior Resident Inspector (Douglas.Dodson@nrc.gov)
Resident Inspector (Fabian.Thomas@nrc.gov)
WC Administrative Assistant (Vacant)
Branch Chief, DRP/B (Nick.Taylor@nrc.gov)
Senior Project Engineer, DRP/B (David.Proulx@nrc.gov)
Project Engineer, DRP/B (Shawn.Money@nrc.gov)
Project Engineer, DRP/B (Steven.Janicki@nrc.gov)
Public Affairs Officer (Victor.Dricks@nrc.gov)
Project Manager (Fred.Lyon@nrc.gov)
Team Leader, DRS/TSS (Thomas.Hipschman@nrc.gov)
RITS Coordinator (Marisa.Herrera@nrc.gov)
ACES (R4Enforcement.Resource@nrc.gov)
Regional Counsel (Karla.Fuller@nrc.gov)
Technical Support Assistant (Loretta.Williams@nrc.gov)
Congressional Affairs Officer (Jenny.Weil@nrc.gov)
RIV Congressional Affairs Officer (Angel.Moreno@nrc.gov)
RIV/ETA: OEDO (Raj.Iyengar@nrc.gov)
Director, DIRS, NRR (Scott.Morris@nrc.gov)
Deputy Director, DIRS, NRR (Clay.Johnson@nrc.gov)
Director, DORL, NRR (Anne.Boland@nrc.gov)
Deputy Director, DORL, NRR (George.Wilson@nrc.gov)
Director, DPR (Lawrence.Kokajko@nrc.gov)
Director, NSIR (Brian.Holian@nrc.gov)
DRP Branch Chiefs (R4DRPBC@nrc.gov)
DRS Branch Chiefs (R4DRSBC@nrc.gov)
ROPreports.Resource@nrc.gov
ROPassessment.Resource@nrc.gov

Wolf Creek
Inspection / Activity Plan
04/01/2016 - 12/31/2017

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			EB1-21T - WC COMPONENT DESIGN BASIS INSPECTION		6
1	03/28/2016	04/29/2016	IP 7111121	Component Design Bases Inspection	
			EB1-07T - WC HEAT SINK PERFORMANCE		2
1	05/23/2016	05/27/2016	IP 7111107T	Heat Sink Performance	
			RS 5678 - RADIATION SAFETY - TEAM		4
1	05/23/2016	05/27/2016	IP 71124.05	Radiation Monitoring Instrumentation	
1	05/23/2016	05/27/2016	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
1	05/23/2016	05/27/2016	IP 71124.07	Radiological Environmental Monitoring Program	
1	05/23/2016	05/27/2016	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
			TSB 52B - BIENNIAL PI&R INSPECTION		4
1	06/13/2016	06/17/2016	IP 71152B	Problem Identification and Resolution	
1	06/27/2016	07/01/2016	IP 71152B	Problem Identification and Resolution	
			INSP - BIENNIAL REQUAL INSPECTION		2
1	06/27/2016	07/01/2016	IP 7111111B	Licensed Operator Requalification Program	
			EP-1 - EP PERFORMANCE INDICATORS		1
1	08/01/2016	08/05/2016	IP 71151-EP02	ERO Readiness	
1	08/01/2016	08/05/2016	IP 71151-EP03	Alert & Notification System Reliability	
1	08/01/2016	08/05/2016	IP 71151-IE01	Unplanned Scrams per 7000 Critical Hrs	
			EP-2 - BIENNIAL EP PROGRAM INSPECTION		1
1	08/01/2016	08/05/2016	IP 7111402	Alert and Notification System Testing	
1	08/01/2016	08/05/2016	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	
1	08/01/2016	08/05/2016	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1	08/01/2016	08/05/2016	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
			RS 12 PI - RADIATION SAFETY		2
1	10/03/2016	10/07/2016	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	10/03/2016	10/07/2016	IP 71124.02	Occupational ALARA Planning and Controls	
1	10/03/2016	10/07/2016	IP 71151-OR01	Occupational Exposure Control Effectiveness	
1	10/03/2016	10/07/2016	IP 71151-PR01	RETS/ODCM Radiological Effluent Occurrences	
			71111.08 - INSERVICE INSPECTION		1
1	10/03/2016	10/14/2016	IP 7111108P	Inservice Inspection Activities - PWR	
			INIT EXA - INITIAL EXAM		7
1	10/16/2017	10/20/2017	X02597	INITIAL EXAM WOLF CREEK (11/2017)	
1	11/13/2017	11/24/2017	X02597	INITIAL EXAM WOLF CREEK (11/2017)	

This report does not include INPO and OUTAGE activities.
This report shows only on-site and announced inspection procedures.

Wolf Creek
Inspection / Activity Plan
04/01/2016 - 12/31/2017

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
RS 13 PI - RADIATION SAFETY					2
1	05/08/2017	05/12/2017	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	05/08/2017	05/12/2017	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1	05/08/2017	05/12/2017	IP 71151-OR01	Occupational Exposure Control Effectiveness	
1	05/08/2017	05/12/2017	IP 71151-PR01	RETS/ODCM Radiological Effluent Occurrences	
RS 24 - RADIATION SAFETY					2
1	06/12/2017	06/16/2017	IP 71124.02	Occupational ALARA Planning and Controls	
1	06/12/2017	06/16/2017	IP 71124.04	Occupational Dose Assessment	
EB2-05T - TRIENNIAL FIRE PROTECTION INSPECTION					4
1	08/07/2017	08/11/2017	IP 7111105T	Fire Protection [Triennia]	
1	08/21/2017	08/25/2017	IP 7111105T	Fire Protection [Triennia]	
EP-2 - BIENNIAL EP EXERCISE INSPECTION					4
1	11/13/2017	11/17/2017	IP 7111401	Exercise Evaluation	
1	11/13/2017	11/17/2017	IP 7111404	Emergency Action Level and Emergency Plan Changes	
EP-3 - EP PERFORMANCE INDICATOR VERIFICATION					1
1	11/13/2017	11/17/2017	IP 71151-EP01	Drill/Exercise Performance	
1	11/13/2017	11/17/2017	IP 71151-EP02	ERO Readiness	
1	11/13/2017	11/17/2017	IP 71151-EP03	Alert & Notification System Reliability	

This report does not include INPO and OUTAGE activities.
This report shows only on-site and announced inspection procedures.