



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION IV  
1600 EAST LAMAR BOULEVARD  
ARLINGTON, TEXAS 76011-4511

March 1, 2018

Mr. Mark E. Reddemann,  
Chief Executive Officer  
Energy Northwest  
MD 1023  
P.O. Box 968  
Richland, WA 99352

SUBJECT: ANNUAL ASSESSMENT LETTER FOR COLUMBIA GENERATING STATION  
(REPORT 05000397/2017006)

Dear Mr. Reddemann:

The U.S. Nuclear Regulatory Commission (NRC) has completed its end-of-cycle performance assessment of Columbia Generating Station reviewing performance indicators (PIs), inspection results, and enforcement actions from January 1, 2017 through December 31, 2017. 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 concluded that overall performance at your facility preserved public health and safety.

The NRC determined the performance at Columbia Generating Station, during the most recent quarter was within the Regulatory Response Column, the second highest performance column of the NRC's Reactor Oversight Process (ROP) Action Matrix. This conclusion was based on (1) an inspection finding having low-to-moderate safety significance (i.e., White) in the Public Radiation Safety cornerstone originating in the first quarter of 2017, and (2) one PI in the Initiating Events cornerstone (Unplanned Scrams with Complications) which had crossed the Green-to-White threshold in the third quarter of 2017. All other PIs were within the expected range (i.e., Green) in 2017. The NRC previously communicated the final significance determination associated with the White finding, and the transition of Columbia Generating Station to the Regulatory Response Column, in a letter to you dated July 6, 2017 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML17187A364). The NRC further communicated to you that Columbia Generating Station remained in the Regulatory Response Column following the transition of the Unplanned Scrams with Complications PI into the White band, in a letter to you dated November 16, 2017 (ADAMS Accession No. ML17320A265).

Subsequently, in a letter to you dated January 30, 2018 (ADAMS Accession No. ML18032A754), the NRC transmitted the results of the supplemental inspection conducted in accordance with Inspection Procedure 95001, "Supplemental Inspection Response to Action Matrix Column 2 Inputs," in which the NRC reviewed your station's actions in response to the White finding in the Public Radiation Safety cornerstone. As the described in that letter, the NRC concluded the station's actions met the objectives of Inspection Procedure 95001. As

such, in accordance with the guidance in Inspection Manual Chapter (IMC) 0305, "Operating Reactor Assessment Program," the White finding was closed, effective January 1, 2018. However, the NRC has determined the performance at Columbia Generating Station remains in the Regulatory Response Column of the ROP Action Matrix due to the White input associated with the Unplanned Scrams with Complications PI in the Initiating Events cornerstone. Therefore, the NRC plans to conduct a supplemental inspection in accordance with Inspection Procedure 95001 relative to this White Input into Action Matrix. The objectives of the supplemental inspection were described in our letter to you dated November 16, 2017. This inspection will be scheduled after you notify the NRC of your readiness.

The enclosed inspection plan lists the inspections scheduled through December 31, 2019. This updated inspection plan now includes planned security inspections which were formerly transmitted under separate correspondence. The NRC provides the inspection plan to allow for the resolution of any scheduling conflicts and personnel availability issues. Routine inspections performed by resident inspectors are not included in the inspection plan. The inspections listed during the last 12 months of the inspection plan are tentative and may be revised. The NRC will contact you as soon as possible to discuss changes to the inspection plan should circumstances warrant any changes.

Additionally, as reflected in the enclosure, during this period the NRC staff will complete Temporary Instruction 2515/191, "Inspection of the Implementation of Mitigation Strategies and Spent Fuel Pool Instrumentation Orders and Emergency Preparedness Communication/ Staffing/Multi-Unit Dose Assessment Plans." This inspection will be conducted at Columbia Generating Station to confirm the station's full implementation of Commission Orders EA-12-049 and EA-12-051.

In accordance with Title 10 of the *Code of Federal Regulations* (10 CFR) 2.390 of the NRC's "Rules of Practice," a copy of this letter will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of the NRC's document 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 Mark Haire at (817) 200-1195 with any questions you have regarding this letter.

Sincerely,

*/RA/*

Troy Pruett, Director  
Division of Reactor Projects

Docket No. 50-397  
License No. NPF-21

Enclosure:  
Inspection Plan

# IP 22 Inspection Activity Plan Report

## Columbia Generating Station

01/01/2018 - 12/31/2019

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>Target Set Inspection</b>						2
2	01/08/2018	02/02/2018	IP 71130.14	000743	Review of Power Reactor Target Sets	
<b>EP EXERCISE INSPECTION</b>						4
2	03/26/2018	03/30/2018	IP 71114.01	000716	Exercise Evaluation	
2	03/26/2018	03/30/2018	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
2	03/26/2018	03/30/2018	IP 71151	001397	Performance Indicator Verification	
<b>TRIENNIAL FIRE PROTECTION INSPECTION</b>						6
2	04/09/2018	04/13/2018	IP 71111.05T	000696	Fire Protection (Triennial)	
2	04/23/2018	04/27/2018	IP 71111.05T	000696	Fire Protection (Triennial)	
<b>TI 2515/194</b>						2
2	05/14/2018	05/18/2018	TI 2515/194	000512	Inspection of the Licensee's Implementation of Industry Initiative Associated With the Open Phase Condition Design Vulnerabilities In Electric Power Systems (NRC Bulletin 2012-01)	
<b>RAD SAFETY 2,4</b>						2
2	05/21/2018	05/25/2018	IP 71124.02	000726	Occupational ALARA Planning and Controls	
2	05/21/2018	05/25/2018	IP 71124.04	000728	Occupational Dose Assessment	
<b>MITIGATING STRATEGIES/SFP INST FOR BDBEE</b>						4
2	06/11/2018	06/15/2018	TI 2515/191	000509	Inspection of Licensee's Responses to Order EA-12-049, EA-12-051 & EP Info Request March 12, 2012	
<b>SECURITY TEAM</b>						2
2	07/09/2018	07/13/2018	IP 71130.04	000736	Equipment Performance, Testing, and Maintenance	
2	07/09/2018	07/13/2018	IP 71130.07	000739	Security Training	
<b>RAD SAFETY 1,3</b>						2
2	09/10/2018	09/14/2018	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
2	09/10/2018	09/14/2018	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
2	09/10/2018	09/14/2018	IP 71151	000746	Performance Indicator Verification	
<b>CGS HEAT SINK PERFORMANCE</b>						2
2	09/17/2018	09/21/2018	IP 71111.07T	000700	Heat Sink Performance -Triennial	

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

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<b>FORCE-ON-FORCE PLANNING &amp; EXERCISE WEEK</b>						<b>7</b>
2	09/24/2018	09/28/2018	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
2	10/15/2018	10/19/2018	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
<b>BRQ</b>						<b>2</b>
2	10/14/2018	10/20/2018	IP 71111.11B	000704	Licensed Operator Requalification Program and Licensed Operator Performance - Biennial	
<b>SECURITY SOLO INSPECTION</b>						<b>1</b>
2	11/12/2018	11/16/2018	IP 71130.02	000734	Access Control	
2	11/12/2018	11/16/2018	IP 71151	001338	Performance Indicator Verification	
<b>INITIAL EXAM</b>						<b>3</b>
2	01/27/2019	02/02/2019	OV	000956	VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
2	02/24/2019	03/02/2019	EXAD	000500	LICENSE EXAM ADMINISTRATION (EXAD)	
<b>EP PROGRAM INSPECTION</b>						<b>1</b>
2	01/28/2019	02/01/2019	IP 71114.02	000717	Alert and Notification System Testing	
2	01/28/2019	02/01/2019	IP 71114.03	000718	Emergency Response Organization Staffing and Augmentation System	
2	01/28/2019	02/01/2019	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
2	01/28/2019	02/01/2019	IP 71114.05	000720	Correction of Emergency Preparedness Weaknesses and Deficiencies	
2	01/28/2019	02/01/2019	IP 71151	001397	Performance Indicator Verification	
<b>BIENNIAL PI&amp;R INSPECTION</b>						<b>4</b>
2	03/25/2019	03/29/2019	IP 71152B	000747	Problem Identification and Resolution	
2	04/08/2019	04/12/2019	IP 71152B	000747	Problem Identification and Resolution	
<b>INSERVICE INSPECTION RF24</b>						<b>1</b>
2	05/20/2019	05/31/2019	IP 71111.08G	000701	Inservice Inspection Activities - BWR	
<b>RP INSPECTION</b>						<b>3</b>
2	05/20/2019	05/24/2019	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
2	05/20/2019	05/24/2019	IP 71124.02	000726	Occupational ALARA Planning and Controls	
2	05/20/2019	05/24/2019	IP 71151	000746	Performance Indicator Verification	
<b>SECURITY SOLO INSPECTION</b>						<b>1</b>
2	07/15/2019	07/19/2019	IP 71130.02	000734	Access Control	

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## Columbia Generating Station

01/01/2018 - 12/31/2019

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<b>SECURITY SOLO INSPECTION</b>						1
2	07/15/2019	07/19/2019	IP 71151	001338	Performance Indicator Verification	
<b>COLUMBIA DBA TEAMS INSPECTION</b>						1
2	08/05/2019	08/23/2019	IP 71111.21M	000713	Design Bases Assurance Inspection (Teams)	
<b>SECURITY TEAM INSPECTION</b>						2
2	09/09/2019	09/13/2019	IP 71130.05	000737	Protective Strategy Evaluation	
<b>RP TEAM INSPECTION</b>						4
2	09/16/2019	09/20/2019	IP 71124.05	000729	Radiation Monitoring Instrumentation	
2	09/16/2019	09/20/2019	IP 71124.06	000730	Radioactive Gaseous and Liquid Effluent Treatment	
2	09/16/2019	09/20/2019	IP 71124.07	000731	Radiological Environmental Monitoring Program	
2	09/16/2019	09/20/2019	IP 71124.08	000732	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
<b>MAT'L CONTROL &amp; ACCOUNTING</b>						1
2	09/16/2019	09/20/2019	IP 71130.11	000742	Material Control and Accounting (MC&A)	

ANNUAL ASSESSMENT LETTER FOR COLUMBIA GENERATING STATION (REPORT 05000397/2017006) DATED MARCH 1, 2018

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**ADAMS ACCESSION NUMBER: ML18057A398**

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NAME	RAlexander	JGroom	AVegel	MHaire	TPruett	
SIGNATURE	/RA/	/RA/	/RA/	/RA/	/RA/	
DATE	2/16/18	2/21/18	2/22/18	2/26/18	2/26/18	

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