



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**
REGION I
2100 RENAISSANCE BLVD.
KING OF PRUSSIA, PA 19406-2713

March 1, 2017

Mr. Marty Richey
Site Vice President
First Energy Nuclear Operating Company
Beaver Valley Power Station
P.O. Box 4
Shippingport, PA 15077-0004

**SUBJECT: ANNUAL ASSESSMENT LETTER FOR BEAVER VALLEY POWER STATION,
UNIT NOS. 1 AND 2 (REPORT 05000334/2016006 AND 05000412/2016006)**

Dear Mr. Richey:

The U.S. Nuclear Regulatory Commission (NRC) has completed its end-of-cycle performance assessment of Beaver Valley Power Station, Unit Nos. 1 and 2, reviewing performance indicators (PIs), inspection results, and enforcement actions from January 1, 2016, through December 31, 2016. 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 Beaver Valley Power Station, Unit Nos. 1 and 2, during the most recent quarter was within the Licensee Response Column because all inspection findings had very low safety significance (i.e., Green), and all PIs were within the expected range (i.e., Green). Therefore, the NRC plans to conduct ROP baseline inspections at Beaver Valley Power Station, Unit Nos. 1 and 2.

The enclosed inspection plan lists the inspections scheduled through December 31, 2018. 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 twelve 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. This inspection plan does not include the plan for security-related inspections, which will be sent via separate, non-publicly available correspondence.

In addition to normal baseline inspections, the NRC will be performing Inspection Procedure 60855.1, "Operation of an ISFSI at Operating Plants" and TI-192, "Inspection of the Licensee's Interim Compensatory Measures Associated with the Open Phase Condition Design Vulnerabilities in Electric Power Systems."

M. Richey

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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 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 me at 610-337-5046 with any questions you have regarding this letter.

Sincerely,

/RA/

Silas R. Kennedy, Chief
Projects Branch 6
Division of Reactor Projects

Docket Nos 50-334 and 50-412
License Nos DPR-66 and NPF-73

Enclosure:
Beaver Valley Power Station
Inspection/Activity Plan

SUBJECT: ANNUAL ASSESSMENT LETTER FOR BEAVER VALLEY POWER STATION
 UNIT NOS. 1 AND 2 (REPORT 05000334/2016006 AND 05000412/2016006)
 DATED MARCH 1, 2017

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 ADAMS ACCESSION NUMBER: ML17058A277

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Beaver Valley
Inspection / Activity Plan
01/01/2017 - 12/31/2018

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
71124 - RAD SAFETY INSPECTION					1
1, 2	03/06/2017	03/10/2017	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1, 2	03/06/2017	03/10/2017	IP 71124.02	Occupational ALARA Planning and Controls	
1, 2	03/06/2017	03/10/2017	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	03/06/2017	03/10/2017	IP 71124.04	Occupational Dose Assessment	
71124 - HP INSPECTION					1
1, 2	05/01/2017	05/05/2017	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1, 2	05/01/2017	05/05/2017	IP 71124.02	Occupational ALARA Planning and Controls	
1, 2	05/01/2017	05/05/2017	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	05/01/2017	05/05/2017	IP 71124.04	Occupational Dose Assessment	
7111108P - U2 INSERVICE INSPECTION					1
2	05/01/2017	05/12/2017	IP 7111108P	Inservice Inspection Activities - PWR	
EP - EP PROGRAM INSPECTION					2
1, 2	06/19/2017	06/23/2017	IP 7111402	Alert and Notification System Testing	
1, 2	06/19/2017	06/23/2017	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	
1, 2	06/19/2017	06/23/2017	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
1, 2	06/19/2017	06/23/2017	IP 71151	Performance Indicator Verification	
71152B - PI&R BIENNIAL					5
1, 2	06/05/2017	06/09/2017	IP 71152B	Problem Identification and Resolution	
1, 2	06/19/2017	06/23/2017	IP 71152B	Problem Identification and Resolution	
10/8EXAM - BEAVER VALLEY 2 INITIAL EXAM					6
2	10/09/2017	10/13/2017	U01938	FY18-BV2 INITIAL OPERATOR LICENSING EXAM	
2	11/06/2017	11/17/2017	U01938	FY18-BV2 INITIAL OPERATOR LICENSING EXAM	
7111111B - BV2 REQUAL INSP WITH P/F RESULTS					2
2	08/14/2017	08/18/2017	IP 7111111A	Licensed Operator Requalification Program - Annual Review	
2	08/14/2017	08/18/2017	IP 7111111B	Licensed Operator Requalification Program	
71124 - HP INSPECTION					1
1, 2	08/07/2017	08/11/2017	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	08/07/2017	08/11/2017	IP 71124.04	Occupational Dose Assessment	
1, 2	08/07/2017	08/11/2017	IP 71124.05	Radiation Monitoring Instrumentation	
1, 2	08/07/2017	08/11/2017	IP 71151-PR01	RETS/ODCM Radiological Effluent Occurrences	
ISFSI - ISFSI LOADING CAMPAIGN INSPECTION					1
1, 2	09/25/2017	09/29/2017	IP 60855	Operation Of An ISFSI	

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

Beaver Valley
Inspection / Activity Plan
01/01/2017 - 12/31/2018

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			ISFSI - ISFSI LOADING CAMPAIGN INSPECTION		1
1, 2	09/25/2017	09/29/2017	IP 60855.1	Operation of an Independent Spent Fuel Storage Installation at Operating Plants	
			71124 - HP INSPECTION		1
1, 2	10/16/2017	10/20/2017	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1, 2	10/16/2017	10/20/2017	IP 71124.02	Occupational ALARA Planning and Controls	
1, 2	10/16/2017	10/20/2017	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1	10/16/2017	10/20/2017	IP 71151-OR01	Occupational Exposure Control Effectiveness	
1	10/16/2017	10/20/2017	IP 71151-PR01	RETS/ODCM Radiological Effluent Occurrences	
			711121M - DESIGN BASES ASSURANCE INSPECTION		6
1, 2	10/30/2017	11/03/2017	IP 711121M	Component Design Bases Inspection (Teams)	
1, 2	11/13/2017	11/17/2017	IP 711121M	Component Design Bases Inspection (Teams)	
			71124 - RAD SAFETY INSP		1
1, 2	01/22/2018	01/26/2018	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
1, 2	01/22/2018	01/26/2018	IP 71151-PR01	RETS/ODCM Radiological Effluent Occurrences	
			711111B - BV1 REQUAL INSP W/ P/S RESULTS		2
1	04/09/2018	04/13/2018	IP 711111A	Licensed Operator Requalification Program - Annual Review	
1	04/09/2018	04/13/2018	IP 711111B	Licensed Operator Requalification Program	
			8/13EXAM - BEAVER VALLEY 1 INITIAL EXAM		5
1	07/16/2018	07/20/2018	U01961	FY18-BEAVER VALLEY 1 INITIAL OPERATOR LICENSING EXAM	
1	08/13/2018	08/24/2018	U01961	FY18-BEAVER VALLEY 1 INITIAL OPERATOR LICENSING EXAM	
			71124 - RAD SAFETY INSP		1
1, 2	04/23/2018	04/27/2018	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1, 2	04/23/2018	04/27/2018	IP 71124.02	Occupational ALARA Planning and Controls	
1, 2	04/23/2018	04/27/2018	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	04/23/2018	04/27/2018	IP 71124.04	Occupational Dose Assessment	
			U1 ISI - UNIT 1 INSERVICE INSPECTION		1
1	04/23/2018	05/04/2018	IP 7111108P	Inservice Inspection Activities - PWR	
			EP - EP EXERCISE INSPECTION		4
1, 2	06/11/2018	06/15/2018	IP 7111401	Exercise Evaluation	
			71124.06 - REMP		1
1, 2	07/09/2018	07/13/2018	IP 71124.07	Radiological Environmental Monitoring Program	
1, 2	07/09/2018	07/13/2018	IP 71151-PR01	RETS/ODCM Radiological Effluent Occurrences	

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Beaver Valley
Inspection / Activity Plan
01/01/2017 - 12/31/2018

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			7111105X - TRIENNIAL FIRE PROTECTION		4
1, 2	07/23/2018	07/27/2018	IP 7111105X	Fire Protection - NFPA 805 (Triennial)	
1, 2	08/06/2018	08/10/2018	IP 7111105X	Fire Protection - NFPA 805 (Triennial)	
			U2 ISI - UNIT 2 INSERVICE INSPECTION		2
2	10/08/2018	10/19/2018	IP 7111108P	Inservice Inspection Activities - PWR	
			71124 - RAD INSTRUMENTATION		1
1, 2	10/29/2018	11/02/2018	IP 71124.05	Radiation Monitoring Instrumentation	
			71124.08 - RADWASTE		1
1, 2	11/05/2018	11/09/2018	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
			71124 - RAD SAFETY INSPECTION		1
1, 2	12/10/2018	12/14/2018	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1, 2	12/10/2018	12/14/2018	IP 71124.02	Occupational ALARA Planning and Controls	
1, 2	12/10/2018	12/14/2018	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	12/10/2018	12/14/2018	IP 71124.04	Occupational Dose Assessment	
1, 2	12/10/2018	12/14/2018	IP 71151-OR01	Occupational Exposure Control Effectiveness	

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