



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

August 28, 2019

Mr. Rod Penfield
Site Vice President
FirstEnergy Nuclear Operating Company
Beaver Valley Power Station
P.O. Box 4, Route 168
Shippingport, PA 15077

SUBJECT: BEAVER VALLEY POWER STATION, UNIT NOS. 1 AND 2 UPDATED
INSPECTION PLAN INSPECTION REPORT 05000334/2019005 AND
05000412/2019005

Dear Mr. Penfield:

The enclosed inspection plan lists the inspections scheduled through June 30, 2021, for Beaver Valley Power Station, Units 1 and 2. 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.

Additionally, NRC Region I plans to conduct an inspection per Temporary Instruction 2515/194, "Inspection of the Licensees' Implementation of Industry Initiative Associated with the Open Phase Condition Design Vulnerabilities in Electric Power Systems," at your facility during the period.

You should be aware that the agency is pursuing potential changes to the ROP, including changes to engineering inspections (SECY-18-0113, "Recommendations for Modifying the Reactor Oversight Process Engineering Inspections"), and other changes to the baseline inspection program described in SECY-19-0067, "Recommendations for Enhancing the Reactor Oversight Process." Should these changes to the ROP be implemented, the engineering and other region-based inspections are subject to change in scope, as well as schedule, beginning in January 2020.

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 610-337-5205 with any questions you have regarding this letter.

Sincerely,

/RA/

Matthew R. Young, Chief
Reactor Projects Branch 6
Division of Reactor Projects

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

Enclosure:
Beaver Valley Inspection Plan

cc: Distribution via ListServ

SUBJECT: BEAVER VALLEY POWER STATION, UNIT NOS. 1 AND 2 UPDATED
INSPECTION PLAN INSPECTION REPORT 05000334/2019005 AND
05000412/2019005 DATED AUGUST 28, 2019

DISTRIBUTION w/encl (via e-mail)

DLew, RA (R1ORAMAIL)
 RLorson, DRA (R1ORAMAIL)
 DCollins, DRP (R1DRPMAIL)
 Deputy Director, DRP (R1DRPMAIL)
 JYerokun, DRS (R1DRSMAIL)
 PKrohn, DRS (R1DRSMAIL)
 MFerdas, DRP
 MYoung, DRP
 RVadella, DRP
 JKrafty, DRP
 SHorvitz, DRP
 AGould, AA
 DDodson, RI, OEDO
 RidsNrrPMBeaverValley Resource
 RidsNrrDorLp1 Resource
 ROPreports Resource
 DRS Branch Chiefs
 DTiftt, RI, SLO
 DScrenci, RI, PAO
 NSheehan, RI, PAO
[RidsNrrDirslpab](#) Resource
 ROPassessment Resource

DOCUMENT NAME: S:\ROP Assessment Meetings\ROP-20 Second Quarter Process\Branch 6\2019 Beaver Valley MC Letter.docx
 ADAMS ACCESSION NUMBER: ML19232A338

<input checked="" type="checkbox"/> SUNSI Review		<input checked="" type="checkbox"/> Non-Sensitive <input type="checkbox"/> Sensitive		<input checked="" type="checkbox"/> Publicly Available <input type="checkbox"/> Non-Publicly Available	
OFFICE	RI/DRP	RI/DRP			
NAME	RVadella	MYoung			
DATE	8/15/19	8/16/19			

OFFICIAL RECORD COPY

IP 22 Inspection Activity Plan Report

Beaver Valley

07/01/2019 - 06/30/2021

Unit	Start	End	Activity	CAC	Title	Staff Count
RAD SAFETY REMP						1
1, 2	07/08/2019	07/12/2019	IP 71124.07	000731	Radiological Environmental Monitoring Program	
1, 2	07/08/2019	07/12/2019	IP 71151	000746	Performance Indicator Verification	
Triennial Heat Sink						1
1, 2	07/14/2019	07/20/2019	IP 71111.07T	000700	Heat Sink Performance	
BV-ACCESS CONTROL, EQUIP PERF, TRAINING						3
1, 2	07/22/2019	07/26/2019	IP 71130.02	000734	Access Control	
1, 2	07/22/2019	07/26/2019	IP 71130.04	000736	Equipment Performance, Testing, and Maintenance	
1, 2	07/22/2019	07/26/2019	IP 71130.07	000739	Security Training	
1, 2	07/22/2019	07/26/2019	IP 71151	001338	Performance Indicator Verification	
RAD SAFETY 01,02,03,04						1
1, 2	07/29/2019	08/02/2019	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1, 2	07/29/2019	08/02/2019	IP 71124.02	000726	Occupational ALARA Planning and Controls	
1, 2	07/29/2019	08/02/2019	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	07/29/2019	08/02/2019	IP 71124.04	000728	Occupational Dose Assessment	
50.59 Process						3
1, 2	08/04/2019	08/17/2019	IP 71111.17T	000709	Evaluations of Changes, Tests, and Experiments	
BEAVER VALLEY 2 INITIAL OL EXAM						4
2	09/01/2019	09/07/2019	OV	000956	VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
2	10/06/2019	10/19/2019	EXAD	000500	LICENSE EXAM ADMINISTRATION (EXAD)	
INSERVICE INSPECTION - UNIT 1						1
1	10/20/2019	11/02/2019	IP 71111.08P	000702	Inservice Inspection Activities (PWR)	
RAD SAFETY OUT						1
1, 2	10/21/2019	10/25/2019	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1, 2	10/21/2019	10/25/2019	IP 71124.02	000726	Occupational ALARA Planning and Controls	
1, 2	10/21/2019	10/25/2019	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	10/21/2019	10/25/2019	IP 71124.04	000728	Occupational Dose Assessment	
1, 2	10/21/2019	10/25/2019	IP 71151	000746	Performance Indicator Verification	

IP 22 Inspection Activity Plan Report

Beaver Valley

07/01/2019 - 06/30/2021

Unit	Start	End	Activity	CAC	Title	Staff Count
TI-194 Open Phase Condition Inspection - BV						2
1, 2	01/27/2020	01/31/2020	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)	
Rad Safety Inspection						1
1, 2	01/27/2020	01/31/2020	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1, 2	01/27/2020	01/31/2020	IP 71124.02	000726	Occupational ALARA Planning and Controls	
1, 2	01/27/2020	01/31/2020	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	01/27/2020	01/31/2020	IP 71124.04	000728	Occupational Dose Assessment	
BV1 Requal Inspection with P/F Results						2
1	04/12/2020	04/18/2020	IP 71111.11A	000703	Licensed Operator Requalification Program and Licensed Operator Performance	
1	04/12/2020	04/18/2020	IP 71111.11B	000704	Licensed Operator Requalification Program and Licensed Operator Performance	
Rad Safety Refuel						1
1, 2	04/13/2020	04/17/2020	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1, 2	04/13/2020	04/17/2020	IP 71124.02	000726	Occupational ALARA Planning and Controls	
1, 2	04/13/2020	04/17/2020	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	04/13/2020	04/17/2020	IP 71124.04	000728	Occupational Dose Assessment	
ISI - UNIT 2						1
2	04/20/2020	05/01/2020	IP 71111.08P	000702	Inservice Inspection Activities (PWR)	
BEAVER VALLEY EP EXERCISE INSPECTION						5
1, 2	06/08/2020	06/12/2020	IP 71114.01	000716	Exercise Evaluation	
1, 2	06/08/2020	06/12/2020	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
1, 2	06/08/2020	06/12/2020	IP 71151	001397	Performance Indicator Verification	
Rad Safety RETS						1
1, 2	06/22/2020	06/26/2020	IP 71124.06	000730	Radioactive Gaseous and Liquid Effluent Treatment	
1, 2	06/22/2020	06/26/2020	IP 71151	000746	Performance Indicator Verification	
Rad Safety Instruments						1
1, 2	08/17/2020	08/21/2020	IP 71124.05	000729	Radiation Monitoring Instrumentation	

This report does not include INPO and OUTAGE activities.

This report shows only on-site and announced inspection procedures.

IP 22 Inspection Activity Plan Report

Beaver Valley

07/01/2019 - 06/30/2021

Unit	Start	End	Activity	CAC	Title	Staff Count
Access Control, Equip Perf, Training						3
1, 2	09/07/2020	09/11/2020	IP 71130.02	000734	Access Control	
1, 2	09/07/2020	09/11/2020	IP 71130.04	000736	Equipment Performance, Testing, and Maintenance	
1, 2	09/07/2020	09/11/2020	IP 71130.07	000739	Security Training	
1, 2	09/07/2020	09/11/2020	IP 71151	001338	Performance Indicator Verification	
DESIGN BASIS ASSURANCE INSPECTION						6
1, 2	09/14/2020	09/18/2020	IP 71111.21M	000713	Design Bases Assurance Inspection (Teams)	
1, 2	09/28/2020	10/02/2020	IP 71111.21M	000713	Design Bases Assurance Inspection (Teams)	
Rad safety Inspection						1
1, 2	11/16/2020	11/20/2020	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1, 2	11/16/2020	11/20/2020	IP 71124.02	000726	Occupational ALARA Planning and Controls	
1, 2	11/16/2020	11/20/2020	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	11/16/2020	11/20/2020	IP 71124.04	000728	Occupational Dose Assessment	
1, 2	11/16/2020	11/20/2020	IP 71151	000746	Performance Indicator Verification	
Radwaste						1
1, 2	11/16/2020	11/20/2020	IP 71124.08	000732	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
Rad Safety Inspection						1
1, 2	01/11/2021	01/15/2021	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1, 2	01/11/2021	01/15/2021	IP 71124.02	000726	Occupational ALARA Planning and Controls	
1, 2	01/11/2021	01/15/2021	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	01/11/2021	01/15/2021	IP 71124.04	000728	Occupational Dose Assessment	
FY21 Beaver Valley 1 Initial Examination						4
1	01/31/2021	02/06/2021	OV	000956	VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
1	02/28/2021	03/13/2021	EXAD	000500	LICENSE EXAM ADMINISTRATION (EXAD)	
PI&R BIENNIAL						4
1, 2	02/08/2021	02/12/2021	IP 71152B	000747	Problem Identification and Resolution	
1, 2	02/22/2021	02/26/2021	IP 71152B	000747	Problem Identification and Resolution	

IP 22 Inspection Activity Plan Report

Beaver Valley

07/01/2019 - 06/30/2021

Unit	Start	End	Activity	CAC	Title	Staff Count
Beaver Valley EP Program Inspection						1
1, 2	04/05/2021	04/09/2021	IP 71114.02	000717	Alert and Notification System Testing	
1, 2	04/05/2021	04/09/2021	IP 71114.03	000718	Emergency Response Organization Staffing and Augmentation System	
1, 2	04/05/2021	04/09/2021	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
1, 2	04/05/2021	04/09/2021	IP 71114.05	000720	Maintenance of Emergency Preparedness	
1, 2	04/05/2021	04/09/2021	IP 71151	001397	Performance Indicator Verification	
Rad Safety Inspection						1
1, 2	04/19/2021	04/23/2021	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1, 2	04/19/2021	04/23/2021	IP 71124.02	000726	Occupational ALARA Planning and Controls	
1, 2	04/19/2021	04/23/2021	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	04/19/2021	04/23/2021	IP 71124.04	000728	Occupational Dose Assessment	