



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION**

REGION I  
2100 RENAISSANCE BLVD., SUITE 100  
KING OF PRUSSIA, PA 19406-2713

September 1, 2015

Mr. Brian Sullivan  
Site Vice President  
Entergy Nuclear Northeast  
James A. Fitzpatrick Nuclear Power Plant  
P.O. Box 110  
Lycoming, NY 13093

**SUBJECT: MID-CYCLE ASSESSMENT LETTER FOR JAMES A. FITZPATRICK NUCLEAR  
POWER PLANT (REPORT 05000333/2015005)**

Dear Mr. Sullivan:

On August 12, 2015, the U.S. Nuclear Regulatory Commission (NRC) completed its mid-cycle performance review of James A. FitzPatrick Nuclear Power Plant (FitzPatrick). The NRC reviewed the most recent quarterly performance indicators (PIs) in addition to inspection results and enforcement actions from July 1, 2014, through June 30, 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 the performance at FitzPatrick during the most recent quarter was within the Regulatory Response Column of the NRC's Reactor Oversight Process (ROP) Action Matrix because all inspection findings had very low safety significance (Green) and one PI was of low to moderate safety significance (White) in the Initiating Events cornerstone. Specifically, the "Unplanned Power Changes per 7,000 Critical Hours" PI exceeded the Green-to-White threshold value in the fourth quarter of 2012. In the fourth quarter of 2014, the NRC completed a review of the White PI using Inspection Procedure 95001, "Supplemental Inspection for One or Two White Inputs in a Strategic Performance Area." The results of this inspection were documented in the fourth quarter integrated inspection report 05000333/2014005, dated February 6, 2015 (ADAMS Accession No. ML15037A280). The NRC concluded that the corrective actions taken, which included replacement of the condenser tubes, were adequate to preclude repetition of the unplanned power changes and were sufficient to meet the inspection objectives. The PI is currently White and will continue to be a White ROP Action Matrix input until the PI results allow it to transition below the Green-to-White threshold. The NRC will notify you via separate correspondence when the plant will transition to the Licensee Response Column.

The enclosed inspection plan lists the inspections scheduled through June 30, 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 end-of-cycle performance review. In addition to baseline inspections, the NRC will perform Inspection Procedure 60855, "Operation of an Independent Spent Fuel Storage Installation at Operating Plants," Temporary Instruction (TI) 2515/190, "Inspection of the Licensee's Proposed Interim Actions as a Result of the Near-term Task Force

Recommendation 2.1 Flooding Reevaluation,” and TI 2515/191, “Inspection of the Implementation of Mitigating Strategies and Spent Fuel Pool Instrumentation Orders and Emergency Preparedness Communication/Staffing/Multi-Unit Dose Assessment Plans.” 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.

Additionally, an NRC audit of licensee efforts towards compliance with Order EA-12-049, “Order Modifying Licenses with Regard to Requirements for Mitigation Strategies for Beyond-Design-Basis External Events,” and Order EA-12-051, “Order Modifying Licenses with Regard to Reliable Spent Fuel Pool Instrumentation,” is ongoing for various sites. The audit includes an onsite visit for the NRC staff to evaluate mitigating strategies as described in the licensee submittals, and to receive and review information relative to associated open items. This onsite audit will occur prior to the site achieving compliance with the Orders and the audit will aid NRC staff in developing a final Safety Evaluation for the site. The onsite component at your site has been planned to occur the week of May 2, 2016. A site-specific audit plan for the visit will be provided in advance to allow sufficient time for preparations.

In accordance with Title 10 of the *Code of Federal Regulations*, Part 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 component of 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 Arthur Burritt at (610)337-5069 with any questions you have regarding this letter.

Sincerely,

*/RA/*

Michael L. Scott, Director  
Division of Reactor Projects

Docket No. 50-333  
License No. DPR-59

Enclosure:  
FitzPatrick Inspection/Activity Plan

cc w/encl: Distribution via ListServ

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DOCUMENT NAME: S:\ROP Assessment Meetings\ROP-16 Mid-Cycle Review\Branch 2\FitzPatrick\ROP-16 FP Mid-Cycle Letter\_final.docx  
ADAMS Accession No. **ML15239A699**

<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	RI/DRP		
NAME	TSetzer/TCS	ABurritt/ALB	MScott/MLS		
DATE	8/19/15	8/19/15	8/21/15		

**FitzPatrick**  
**Inspection / Activity Plan**  
**07/01/2015 - 06/30/2017**

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			<b>7111107T - TRIENNIAL HEAT SINK</b>		<b>1</b>
1	08/10/2015	08/14/2015	IP 7111107T	Heat Sink Performance	
			<b>TI-190 - NTTF 2.1 QUESTIONS FLOODING</b>		<b>2</b>
1	09/21/2015	09/25/2015	IP 2515/190	Inspection of Interim Actions of Near-Term Task Force Recommendation 2.1 Flooding Reevaluations	
			<b>71124 - RAD SAFETY INSPECTION</b>		<b>1</b>
1	09/14/2015	09/18/2015	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	09/14/2015	09/18/2015	IP 71124.02	Occupational ALARA Planning and Controls	
1	09/14/2015	09/18/2015	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1	09/14/2015	09/18/2015	IP 71124.04	Occupational Dose Assessment	
			<b>ISFSI - ISFSI OPERATIONAL INSPECTION</b>		<b>1</b>
1	10/05/2015	10/09/2015	IP 60853	On-Site Fabrication Of Components And Construction On An ISFSI	
1	10/05/2015	10/09/2015	IP 60855	Operation Of An ISFSI	
1	10/05/2015	10/09/2015	IP 60855.1	Operation of an Independent Spent Fuel Storage Installation at Operating Plants	
			<b>EP - EP EXERCISE</b>		<b>5</b>
1	10/19/2015	10/23/2015	IP 7111407	Exercise Evaluation - Hostile Action (HA) Event	
1	10/19/2015	10/23/2015	IP 7111408	Exercise Evaluation – Scenario Review	
			<b>3/7EXAM - INITIAL OL EXAM</b>		<b>4</b>
1	02/15/2016	02/19/2016	U01932	FY16-FITZ INITIAL OPERATOR LICENSING EXAM	
1	03/07/2016	03/11/2016	U01932	FY16-FITZ INITIAL OPERATOR LICENSING EXAM	
			<b>71124 - RAD SAFETY INSP</b>		<b>1</b>
1	11/16/2015	11/20/2015	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	11/16/2015	11/20/2015	IP 71124.02	Occupational ALARA Planning and Controls	
1	11/16/2015	11/20/2015	IP 71124.05	Radiation Monitoring Instrumentation	
			<b>7111121P - CDBI PROGRAM INSPECTION</b>		<b>3</b>
1	02/22/2016	02/26/2016	IP 7111121	Component Design Bases Inspection	
			<b>7111111B - FITZ REQUAL INSP WITH P/F RESULTS</b>		<b>2</b>
1	04/25/2016	04/29/2016	IP 7111111B	Licensed Operator Requalification Program	
			<b>71124 - RAD SAFETY INSPECTION</b>		<b>1</b>
1	04/04/2016	04/08/2016	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
1	04/04/2016	04/08/2016	IP 71151-PR01	RETS/ODCM Radiological Effluent Occurrences	
			<b>7111121T - CDBI TEAM INSPECTION</b>		<b>5</b>
1	04/11/2016	04/15/2016	IP 7111121	Component Design Bases Inspection	
1	04/25/2016	04/29/2016	IP 7111121	Component Design Bases Inspection	

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

Enclosure

**FitzPatrick**  
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**07/01/2015 - 06/30/2017**

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	Start	End			
			<b>71124.08 - RADWASTE</b>		<b>1</b>
1	05/16/2016	05/20/2016	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
			<b>71124 - RAD SAFETY INSPECTION</b>		<b>1</b>
1	06/13/2016	06/17/2016	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	06/13/2016	06/17/2016	IP 71124.02	Occupational ALARA Planning and Controls	
1	06/13/2016	06/17/2016	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1	06/13/2016	06/17/2016	IP 71124.04	Occupational Dose Assessment	
			<b>71152BI - PI&amp;R BIENNIAL</b>		<b>1</b>
1	07/18/2016	07/22/2016	IP 71152B	Problem Identification and Resolution	
1	08/01/2016	08/05/2016	IP 71152B	Problem Identification and Resolution	
			<b>EP - EP PROGRAM INSPECTION</b>		<b>1</b>
1	07/25/2016	07/29/2016	IP 7111402	Alert and Notification System Testing	
1	07/25/2016	07/29/2016	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	
1	07/25/2016	07/29/2016	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
			<b>71124 - RAD SAFETY INSPECTION</b>		<b>1</b>
1	08/22/2016	08/26/2016	IP 71124.05	Radiation Monitoring Instrumentation	
			<b>7111108G - INSERVICE INSPECTION</b>		<b>1</b>
1	09/26/2016	09/30/2016	IP 7111108G	Inservice Inspection Activities - BWR	
			<b>71124 - RAD SAFETY INSPECTION</b>		<b>1</b>
1	09/26/2016	09/30/2016	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	09/26/2016	09/30/2016	IP 71124.02	Occupational ALARA Planning and Controls	
1	09/26/2016	09/30/2016	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1	09/26/2016	09/30/2016	IP 71124.04	Occupational Dose Assessment	
1	09/26/2016	09/30/2016	IP 71124.05	Radiation Monitoring Instrumentation	
1	09/26/2016	09/30/2016	IP 71151-OR01	Occupational Exposure Control Effectiveness	
			<b>71124 - HP INSPECTION</b>		<b>1</b>
1	04/24/2017	04/28/2017	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	04/24/2017	04/28/2017	IP 71124.02	Occupational ALARA Planning and Controls	
1	04/24/2017	04/28/2017	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
			<b>TI-191 - FUKUSHMIA LESSONS-LEARNED</b>		<b>1</b>
1	05/15/2017	05/19/2017	IP 2515/191	Inspection of Licensee's Responses to Order EA-12-049, EA-12-051 & EP Info Request March 12, 2012	
			<b>7112407 - REMP/PI</b>		<b>1</b>
1	06/05/2017	06/09/2017	IP 71124.07	Radiological Environmental Monitoring Program	
1	06/05/2017	06/09/2017	IP 71151-PR01	RETS/ODCM Radiological Effluent Occurrences	

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			<b>ISFSI</b>	<b>- ISFSI LOADING CAMPAIGN INSPECTION</b>	<b>1</b>
1	06/12/2017	06/16/2017	IP 60855	Operation Of An ISFSI	
1	06/12/2017	06/16/2017	IP 60855.1	Operation of an Independent Spent Fuel Storage Installation at Operating Plants	

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