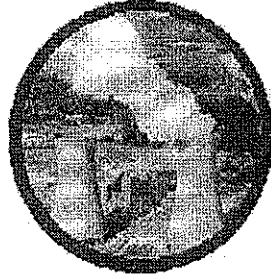
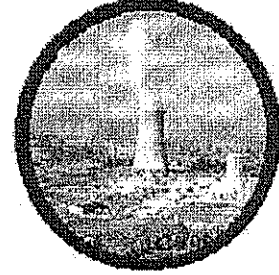


Beaver Valley



Perry



Davis-Besse

FENOC Engineering Support Personnel Training

Position Specific Qualification

Job Performance Requirement (JPR) 3.1
Fuel Monitoring and Transient Review – RX Engineers

FITS Code: ESP-JPR31FUELMON_BV3
Revision 0

Prepared by:

[Signature]

5/25/10
Date

Technical Review by:

[Signature for A.P. Berger]

5/25/10
Date

Instructional Review by:

N/A

(N/A if prepared by qualified FENOC Instructor)

Date

Approved for Implementation:

[Signature]

BV Program Owner

5/25/10
Date

Effective Date

Job Performance Requirement (JPR) 3.1 Fuel Monitoring and Transient Review – RX Engineers

Candidate Name: _____

Short SSN: _____

Purpose

1. The purpose of this guideline is to provide a framework of industry document reviews, FENOC document reviews and proficiency demonstrations which will provide the ability to independently perform the activity described by this Job Performance Requirement. Job Performance Requirements typically are knowledge-based and contain steps for individual performance or discussion item signoffs.

Administration

1. Nuclear Training shall issue the appropriate Job Performance Requirement (JPR) to the designated candidates. This is to ensure that the most current version of the JPR is made available to the candidate.
2. The candidate is responsible to complete the JPR and coordinate times for all required discussion items and signatures as appropriate.
3. The guideline is designed to allow the individual to complete the majority of the items at his/her own pace. Specified requirements for production of materials or documents must be met and reviewed by the designated evaluator/mentor.
4. Mentoring is a process in which trainees are provided direction, coaching, and oversight by experienced personnel to ensure job performance requirements are understood and competency is achieved. Engineering Mentoring is performed by a recognized technical expert who is qualified in a Job Performance Requirement. The development and use of an Engineering Mentoring Plan is integrated into each JPR. An appropriately qualified mentor to support completion of this JFG will be assigned.
5. Standards for completion of the items are specified or referenced within the activities and are based on existing procedures, policies and guidelines. Industry references and standard engineering practices also form the basis for those items without specific references.
6. To achieve qualification for the Required Reading and Discussion items, the individual should study the procedural requirements indicated. Upon completion of this self-study the individual should be able to demonstrate an understanding of the following objectives:
 - a. Discuss the purpose of the procedure.
 - b. Discuss the applicability of the procedure.
 - c. Discuss the location and use of any associated procedure forms.
 - d. Discuss any specific duties and responsibilities.

The individual shall demonstrate an understanding of the objectives by discussing them with the assigned mentor.

**Job Performance Requirement (JPR) 3.1
Fuel Monitoring and Transient Review – RX Engineers**

Candidate Name: _____

Short SSN: _____

7. To achieve qualification for the Proficiency Demonstration items, the individual shall perform each requirement to the satisfaction of the assigned mentor. Note that the Perform (P) can be either an actual activity performed with oversight or a sample problem with a known solution. The Perform (P) activity will be evaluated to ensure that it conforms to all site standards and expectations for quality and nuclear safety.
8. Upon completion, the JPR package shall be forwarded to Nuclear Training personnel for entry into the training information management system.
9. Feedback on the use of this guide is an important component in the ongoing evaluation of training and qualification programs. The Job Performance Requirement (JPR) Feedback and Follow-up form, which is attached to this JPR, allows for the capture and incorporation of needed improvements identified during the use of this guideline. This form should be completed and submitted to the individual's Training Coordinator or Supervisor for consideration whenever needed corrections or enhancements are identified.

Job Performance Requirement (JPR) 3.1 Fuel Monitoring and Transient Review – RX Engineers

Candidate Name: _____

Short SSN: _____

I. Initial Requirements and Prerequisites:

- A. Ensure this individual has been assigned the appropriate FENOC Integrated Training System (FITS) Secondary Functional Position Codes.

Verified:

Training Coordinator or Training Personnel

Date

- B. Individual must be enrolled in the Engineering Support Personnel orientation training and continuing training at Beaver Valley Power Station.

Verified:

Training Coordinator or Training Personnel

Date

- C. ESP-ROLEOFNPPENG_FEN, Role of Nuclear Power Plant Engineer Fundamentals

Date Completed

- D. ESP-ADMINWORKPRO_FEN, FENOC Administrative Work Processes

Date Completed

- E. ESP-CODEREGSTAND_FEN, Nuclear Codes, Regulations & Standards

Date Completed

- F. Complete BEACON System Training or an equivalent course (example: ESPC-2006034_BV3)

Date Completed

Job Performance Requirement (JPR) 3.1 Fuel Monitoring and Transient Review – RX Engineers

Candidate Name: _____

Short SSN: _____

II. Engineering Mentoring Plan:

A. Assign an Engineering Mentor for this JPR.

_____ *Indicate Mentor Assigned* _____ *Section Manager / Designee* _____ *Date*

B. Verify Qualifications of Mentor.

_____ *Mentor Qualification Date* _____ *Mentor Signature*

C. Develop a Mentoring Schedule.

1. Complete Required Reading:

_____ *Date*

2. Discuss (D) Required Reading material:

_____ *Date*

3. Complete all Performs (P) (target date only, trainee is the one who determines this date):

_____ *Date*

D. Coordinate performance of a Training Observation by an Engineering Supervisor.
Observation scheduled for the following date:

_____ *Date*

Trainee Signature	Date
Engineering Mentor Signature	Date

Note: This Mentoring Plan is a tool used in the development of new engineers. It is to provide a structured process where the Trainee works closely with their assigned Mentor to develop sufficient skills and understanding of a Job Performance Requirement (JPR). It also functions as a “contract” between the Trainee and their assigned Mentor to complete the training. It is a forward-looking instrument and, as such, the agreed upon dates may be changed with the concurrence of both parties.

Job Performance Requirement (JPR) 3.1 Fuel Monitoring and Transient Review – RX Engineers

Candidate Name: _____

Short SSN: _____

III. Required Reading and Discussion Items:

A. NOP-LP-2601, Procedure Use and Adherence	D		
		Candidate/Date	Mentor
B. NOP-NF-1001, Fuel Cycle Process	D		
		Candidate/Date	Mentor
C. NOP-NF-1102, Fuel Integrity Monitoring and Assessment	D		
		Candidate/Date	Mentor
D. NOP-NF-3001, Special Nuclear Material Control and Accounting Program	D		
		Candidate/Date	Mentor
E. NOBP-NF-1007, Core Follow	D		
		Candidate/Date	Mentor
F. NOP-OP-1004, Reactivity Management	D		
		Candidate/Date	Mentor
G. NOP-SS-3001, Procedure Review & Approval	D		
		Candidate/Date	Mentor
H. NOP-WM-4001, Foreign Material Exclusion	D		
		Candidate/Date	Mentor
I. 1/2-ADM-2015, Administrative Guidelines for Performing Tests, Completing TRRs & Controlling Test Records	D		
		Candidate/Date	Mentor
J. 1/2-ADM-2109, Qualification of Inspection, Examination & Testing Personnel/Personnel Color Perception Requirements	D		
		Candidate/Date	Mentor

Job Performance Requirement (JPR) 3.1 Fuel Monitoring and Transient Review – RX Engineers

Candidate Name: _____

Short SSN: _____

K. 1RST-20.1, Spent Fuel Storage Rack
Boral Surveillance Program D

Candidate/Date *Mentor*

L. 1/2-ADM-0711, Nuclear Material
Control Manual D

Candidate/Date *Mentor*

M. BVBP-NF-0003, Processing Flux Map
Data D

Candidate/Date *Mentor*

N. BVRM-NF-0001, Coolant Activity
Analysis D

Candidate/Date *Mentor*

IV. Document Discussions Completed for All Above Required Reading:

Assigned Mentor or designee *Date*

Job Performance Requirement (JPR) 3.1 Fuel Monitoring and Transient Review – RX Engineers

Candidate Name: _____

Short SSN: _____

V. Proficiency Demonstration:

A. Prepare / Approve a response to a Condition Report (CR) or a Corrective Action (CA)	P	<i>Mentor</i>	<i>Date</i>
B. Prepare a Computer Database Change	P	<i>Mentor</i>	<i>Date</i>
C. Perform an Incore Detector Normalization	P	<i>Mentor</i>	<i>Date</i>
D. Perform an Incore Flux Map using the Incore Detector System	P	<i>Mentor</i>	<i>Date</i>
E. Perform a Delta Flux Target Update for an Operating Unit	P	<i>Mentor</i>	<i>Date</i>
F. Perform the Daily Core Exposure Calculation and Control Room Document Update	P	<i>Mentor</i>	<i>Date</i>
G. Generate & Issue Periodic & Rapid Redxn Rxtivity Plan & Specific Pwr Maneuver Activity Plan	P	<i>Mentor</i>	<i>Date</i>
H. Perform a Critical Boron Calculation	P	<i>Mentor</i>	<i>Date</i>
I. Perform a Power Distribution Limit Check	P	<i>Mentor</i>	<i>Date</i>
J. Demonstrate a Folio View Search of the Technical Specifications and/or the FSAR	P	<i>Mentor</i>	<i>Date</i>

**Job Performance Requirement (JPR) 3.1
Fuel Monitoring and Transient Review – RX Engineers**

Candidate Name: _____

Short SSN: _____

VI. Completion

- A. The requirements of this JPR are verified complete and Training Feedback submitted as applicable.

_____ *Candidate* _____ *Date*

- B. Manager interview complete and Candidate’s JPR Qualification is awarded.

_____ *Manager* _____ *Date*

- C. This JPR forwarded to Nuclear Training for input in the FENOC Integrated Training System (FITS).

_____ *Candidate* _____ *Date*

- D. Enter a completion for this individual in the FENOC Integrated Training System (FITS) and forward the completed form to the Training Clerk for capture in the Nuclear Records Management System.

_____ *Training Coordinator or Training Personnel* _____ *Date*

Original: Individual's training file

