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**ENCLOSURE 1**

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**POWERING TRANSFORMATION**

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## ENCLOSURE 1

Description of changes for the BWXT Nuclear Operation Group, Inc., Lynchburg, Physical Protection Plan Revision 18.

Primary purpose of this revision of the BWXT Nuclear Operation Group, Inc., Lynchburg, Physical Protection Plan is due to the company name change from Babcock & Wilcox to BWXT Nuclear Operation Group, Inc., Lynchburg.

Section 3 "Design Basis Threat" has been modified. Additionally, portions of Section 5 "Physical Barriers" and Section 6 "Access Control Subsystems and Procedures" that include sensitive information found in the Design Basis Threat were removed.

Additional minor changes in Section 4 "Security Organization" which added new Security Staff positions and update Company Management titles.

The following are changes to the Physical Protection Plan per 10 CFR 70.32(e):

### Section 1. Introduction

Added "BWXT" prior to Nuclear Operations Group - Lynchburg

Added "L" after NOG

Added "site" after (NOG)

Changed Babcock & Wilcox to "BWXT Technologies, Inc. (BWXT)"

Added "BWXT NOG - Lynchburg, hereafter referred to as the site"

Change NOG to "the site"

Changed: The Appendix contains scaled drawings..... to: "Appendix A contains scaled drawings...."

### Section 2. General Performance Objectives

Changed Babcock & Wilcox to "The Site"

Changed B&W to "site", "the site", or "a site"

### Section 3. Designed Basis Threat

Removed previous language defining the Design Basis Threat.

Added "The site has established and maintains a physical protection system which has the capabilities for the protection of special nuclear material. The safeguards systems are designed to protect against acts of radiological sabotage and prevent the theft or diversion of special nuclear material as required by 10 CFR 73.1 (a). The site complies with the "Design Basis Threat for Formula Quantities of Strategic Special Nuclear Material" as documented in the Order Modifying License (NRC Document Number EA 03-087) provided to BWXT in letter dated April 29, 2003, "Issuance of Order Requiring Compliance with Revised Design Basis Threat (DBT) for Category I Fuel Cycle Facility - BWXT Technologies, Inc." (Licensing Reading File Number 03-058)."

#### 3.1 Human Reliability Program

Changed NOG to "site" or "the site"

2) Change NOG to "the site's"

3) Change NOG to "the site's"

**CLASSIFIED BY**

*T. Pollock* 08/26/2015  
Date

Timothy A. Pollock

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## ENCLOSURE 1

Description of changes for the BWXT Physical Protection Plan Revision 18 (cont.).

### **Section 4. Security Organization**

#### **4.1 Establishment of Security Organization**

Changed NOG to "*The site*"

#### **4.2 Security Organization Management**

Changed NOG to "*site*" or "*the site*"

Added "*Access Control Team officers and Alarm Station Operators*" to the Security Operations Unit.

Changed NOG to "*NOG-L*"

Deleted: The NOG General Manager reports to the NOG Division President who reports to the CEO of Babcock & Wilcox.

#### **4.3 Qualifications for Employment in Security**

Changed NOG to "*The site*"

#### **4.6 Force-on-Force Exercises**

Changed NOG to "*The site*"

#### **4.7 Records**

Changed NOG to "*The site*"

### **Section 5. Physical Barriers**

#### **5.1 General Layout**

Changed B&W to "*the site*"

#### **5.2 Owner Controlled Area**

Changed NOG to "*site*"

Changed B&W to "*the site*"

#### **5.3 Protected Area Barriers**

Changed NOG to "*site*"

#### **5.4 Vehicle Barriers**

Changed NOG to "*The site*"

Removed specific DBT explosive weights and referenced Section 3, Designed Basis Threat.

#### **5.4.2 Protected Area Vehicle Barrier**

Removed specific DBT explosive weights and referenced Section 3, Designed Basis Threat.

#### **5.5 Controlled Access Area and Material Access Area Barriers**

Changed NOG to "*site*" or "*the site*"

Changed B&W to "*The site*"

#### **5.8 Illumination**

Changed B&W to "*the site*"

#### **5.11 Storage of Completed Core Components**

Changed B&W to "*site*"

### **Section 6. Access Control Subsystems and Procedures**

#### **6.1 Numbered Picture Badge Identification System**

Changed NOG to "*the site*"

Changed Babcock & Wilcox NOG to "*Site*"

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## ENCLOSURE 1

Description of changes for the BWXT Physical Protection Plan Revision 18 (cont.).

### 6.3 Access Controls at the Protected Area

#### 6.3.1 Personnel

Changed B&W NOG to "*The site*"  
Changed B&W NOG-L to "*The site*"  
Changed NOG-L to "*site*"  
Changed B&W to "*site*"  
Changed NOG to "*The site*"

#### 6.3.4 Vehicles

Removed specific DBT explosive weights and referenced Section 3, Designed Basis Threat  
Changed NOG to "*Site*"  
Deleted B&W

### 6.4 Access Controls at Material Access Areas, Controlled Access Areas, and Vaults

#### 6.4.1 Personnel

##### Controlled Access Areas (CAA)

Changed NOG to "*site*"

##### General Shop Area

Changed NOG to "*a site*"

#### 6.6 Shipments of SSNM Offsite

Changed NOG to "*the site*"

#### 6.9 Records

Changed B&W to "*The site*"

### 6.10 Access Controls at the Secured Owner Controlled Area (SOCA)

#### 6.10.1 Personnel

Changed B&W to "*site*"  
Changed B&W NOG-L to "*site*"  
Changed NOG-L to "*site*"  
Changed NOG to "*The site*"

## Section 7. Detection, Surveillance and Alarm Subsystems

### 7.2 Emergency Exits

Changed NOG to "*the site*"

### 7.6 Power Sources

Changed B&W to "*the site*"

### 7.9 Observation Methods Within Material Access Areas

Changed B&W to "*site*"

## Section 8. Communications Subsystems

### 8.1 Security Force Communications

Changed B&W's to "*the site's*"

### 8.3 Power Sources

Changed B&W to "*the site*"

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## ENCLOSURE 1

Description of changes for the BWXT Physical Protection Plan Revision 18 (cont.).

### Section 9. Test and Maintenance Programs

#### 9.3 Operational Tests

Changed NOG to "*The site*"

#### 9.4 Preventative Maintenance Programs

Changed NOG to "*The site*"

#### 9.6 Reviews and Audits

Changed NOG to "*The site*"

Deleted B&W

### Section 10. Contingency Response Plans and Procedures

#### 10.1 Contingency Plan Documentation

Changed NOG to "*The site*" or "*site*"

#### 10.2 Local Law Enforcement Agency Liaison

Deleted NOG facility

Changed NOG to "*The site*"

#### 10.3 Tactical Response Force

Changed B&W to "*the site*"

Changed NOG's to "*the site's*"

#### 10.09 Records

Changed NOG to "*The site*"

### Section 11. Additional Security Measures for PCL quantities of Specific HEU

Changed Babcock & Wilcox NOG to "*the site*"

#### 11.2 Response

Changed NOG to "*the site*"

### Section 12. Authorized Placement and Movement of SSNM within MAAs

#### 12.1 General

Changed B&W to "*site*"

#### 12.3 Establishment of Current Knowledge of SSNM

Changed B&W to "*site*"

### Section 13. Removal of SSNM Through MAA Portals

#### 13.2 Procedures and Controls for SSNM Removal (Including Scrap and Waste)

Added "*and Vaults*".

### Section 15. Alternative Security Measures to be Applied During Force-on-Force Exercises

Changed B&W to "*site*"

Changed B&W to "*the site*"

Changed B&W to "*site's Security*"

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**ENCLOSURE 1**

Description of changes for the BWXT Physical Protection Plan Revision 18 (cont.).

**15.1 Access Control**

Material Access Areas

Changed B&W to "*site's*"

Controlled Access Areas

Changed B&W to "*Site*"

**15.2 Searches**

Changed B&W to "*site*"

Changed B&W to "*site's*"

**15.4 Armed Patrols**

Changed B&W to "*the site*"

**Appendix A**

Facility drawings are in Appendix A

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