




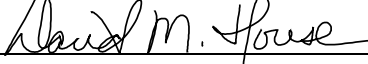

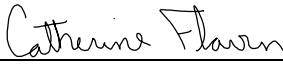
UPF PAGE/PROCEDURE CHANGE NOTICE (PRCN)

PRCN Number:	PRCN-UPF-CP-211-R11-02	Effective Date:	10/05/23
NOTE: PRCN Effective Date cannot precede effective date of associated document.			
<input checked="" type="checkbox"/> Intent Change		<input type="checkbox"/> Non-Intent Change	
Associated Document Number:	UPF-CP-211	Rev:	11
Associated Document Title:	<i>Fire Prevention and Protection</i>		
Justification for Change:	CR04456 - include criteria on how the annual fire extinguisher inspections are to be performed		
Identify the scope of the change, including mark-up (i.e., strike-through for deletions, colored text for additions) of any new, removed, or changed content.			
In Section 4.4, 4th bullet change			
From: INSPECT all portable fire extinguishers monthly in accordance with Appendix B, Monthly Fire Extinguisher Inspection Requirements.			
To: INSPECT and MAINTAIN all portable fire extinguishers monthly in accordance with Appendix B, Monthly Inspection and Annual Maintenance Fire Extinguisher Examination Requirements.			
In Section 6.0 Fire Prevention/Protection Self-Inspections Change second sentence			
From: Informal weekly observations are performed and documented in Chekhov by Field Engineers (FEs) and Craft workers and provide data to ES&H analysts.			
To: Project personnel can perform and document informal observations utilizing Chekhov supporting the leadership engagement efforts.			
Update Section 9.2, Interfacing References: Add ROD-CM-801768-A006, <i>Record of Decision BNI Direct Hire to Perform Annual External Examination of UPF Fire Extinguishers</i>			
Update Section 9.3: Add form UCN-16673, <i>Tag: Fire Department Operations Inspection Record</i>			
Update Appendix A, Acronyms and Definitions: Add Annual-Once per calendar year			
Change Title of Appendix B to: "Monthly Inspection and Annual Fire Extinguisher Examination Requirements"			
In Appendix B Table change the Tagged procedure instruction			
From: Check the extinguisher tag to confirm the annual inspection has been completed.			
To: Check the extinguisher tag to confirm the monthly inspection and annual maintenance has been completed. Verification dates on the tag shall include the calendar year.			
Add to Appendix B , underneath the monthly inspection table, the following:			
Annual External Examination of UPF Fire Extinguishers			
BNI personnel designated to perform the annual external examinations of portable fire extinguishers will be briefed, tested, and certified on the examination procedure and requirements per NFPA 10 and as approved by the UPF Fire Protection DAR in ROD-CM-801768-A006. PowerBI will be utilized to generate and maintain a report/list of all BNI personnel that are designated to complete the annual external examination of UPF Fire Extinguishers.			
<ul style="list-style-type: none"> • Annual external examinations will be conducted by BNI within the calendar year for all portable fire extinguishers with a date of manufacture of the previous year or older • Annual external examination attributes shall comply with NFPA 10 Section 7.3.2. <ul style="list-style-type: none"> ○ The fire extinguisher appears in good condition with no obvious physical damage, corrosion, or clogged nozzle ○ Operating instructions are present, legible, and facing forward 			



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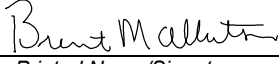

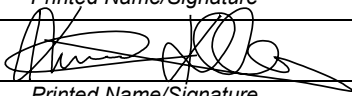


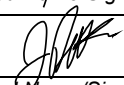
- The Hazard Material Information System (HMIS) information is present and legible
- Determine if a the 6-year internal examination or 12-year hydrostatic test is due per NFPA 10 table 7.3.3.1
- Remove the tamper seal by operating the pull pin
- Install a new tamper seal
- Damaged or defective fire extinguishers shall be tagged, removed from service, and replaced with operable extinguishers of the same size and type
- Affix a tag securely to the fire extinguisher indicating that external examination was successful. Annual examination Tags will be UCN-16673 or similar, to comply with NFPA 10 Section 7.3.4.1.1
- The dates the annual external examinations were performed will be documented and tracked in ToolHound.
- When a portable fire extinguisher meets the criteria of requiring an internal examination per NFPA 10 Section 7.3.3, or a hydrostatic test per Section 8.3.1, the extinguisher will be turned over to the Y-12 Fire Department for action

Preparer			
UPF ES&H Issues Management	Anton R. Panev	 Printed Name/Signature	09/27/23 Date
Approval			
UPF Startup Manager	Phillip J. Tarbox	 Printed Name/Signature	10/05/23 Date
UPF ES&H Manager, BNI	Kieran S. Kelly	 Printed Name/Signature	09/27/23 Date
BNI Fire Protection Engineer	David M. House	 Printed Name/Signature	09/28/23 Date
UPF Site Manager	Gary J. Cough	 Printed Name/Signature	10/03/23 Date
Senior Vice President and UPF Project Director	Catherine Flavin for John H. Platt II	 Printed Name/Signature	10/04/23 Date



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Associated Document Number: UPF-CP-203	Rev: 11
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Justification for Change: Clarification	
Identify the scope of the change, including mark-up (i.e., strike-through for deletions, colored text for additions) of any new, removed, or changed content.	
Section 5.1.1 Emergency Impairments	
From: The area affected by the Impairment is placed under a continuous Fire Patrol until the impaired Fire Protection/Detection System has been returned to service.	
To: The area affected by the impairment is placed under Fire Patrol until the impaired Fire Protection/Detection System has been returned to service. The interval selected for the Fire Patrol shall be commensurate with the severity of the hazard being mitigated up to potentially being a continuous fire watch, until the affected system is returned to service.	
Section 5.1.3 Fire Patrol	
From: The initial use of fire patrol for Impairments shall be continuous, 24/7 in all areas impacted by the Impairment.	
To: Fire patrol for Impairments shall default to a continuous fire watch, 24/7 in all areas impacted by the Impairment, unless an interval for fire patrol is defined as a comp measure in an approved impairment request, UCN-23487.	

Preparer			
UPF ES&H Issues Management	Anton Panev	 <i>Printed Name/Signature</i>	04/28/23 <i>Date</i>
Approval			
UPF Engineering Group Supervisor (HVAC/FP/MET/EQ)	Brent M. Albertsen	 <i>Printed Name/Signature</i>	04/28/23 <i>Date</i>
UPF Startup Manager	Jeremy D. Wilkins	 <i>Printed Name/Signature</i>	05/02/23 <i>Date</i>
UPF ES&H Manager, BNI	Kieran S. Kelly	 <i>Printed Name/Signature</i>	04/28/23 <i>Date</i>
BNI Fire Protection Engineer	Clifton G. Robinson	 <i>Printed Name/Signature</i>	05/01/23 <i>Date</i>
UPF Site Manager	Gary J. Cough	 <i>Printed Name/Signature</i>	04/28/23 <i>Date</i>
Senior Vice President and UPF Project Director	John H. Platt II	 <i>Printed Name/Signature</i>	05/02/23 <i>Date</i>

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Preparer:	<i>Mark W. Murdock</i>	03/30/23
	Mark W. Murdock UPF Issues Management	Date
Approval:	<i>Brent M. Albertsen</i>	04/01/23
	Brent M. Albertsen UPF Engineering Group Supervisor (HVAC/FP/MET/EQ)	Date
	<i>Jeremy D. Wilkins</i>	04/03/23
	Jeremy D. Wilkins UPF Startup Manager	Date
	<i>Kieran S. Kelly</i>	03/31/23
	Kieran S. Kelly UPF ES&H Manager, BNI	Date
	<i>Clifton G. Robinson</i>	03/31/23
	Clifton G. Robinson BNI Fire Protection Engineer	Date
	<i>Gary J. Cough</i>	04/06/23
	Gary J. Cough UPF Site Manager	Date
	<i>John H. Platt II</i>	04/06/23
	John H. Platt II Senior Vice President and UPF Project Director	Date
		04/07/23
		Effective Date

RC-UPF DMC
04/07/23 09:31

REVISION LOG

Revision 11	<input type="checkbox"/> Intent <input type="checkbox"/> Non-Intent
<ul style="list-style-type: none"> • These changes are in response to Condition Report 25774-000-GCA-GAM-04172, <i>Disconnect between Y-12 Fire Protection Program Manual Y79-001 and UPF-CP-211 Relative to Fire Event Reporting and Investigation</i> <ul style="list-style-type: none"> ◦ Added new Section 3.4, <i>Fire Investigations</i>, to capture requirements for fire event reporting and investigation ◦ In Section 5.10.1, added “Aggregate” to beginning of 5th paragraph; added requirements for use of Class I flammable liquids in enclosed spaces ◦ Added specific definition of Fire in Appendix A, <i>Definitions</i> • These changes are in response to Condition Report 25774-000-GCA-GAM-03941-12, <i>CNS Concerns with BNI Compliance with Records Identification and Retention Requirements (CNS letter 25774-22-CNS-017)</i> <ul style="list-style-type: none"> ◦ Section 4.4, last bullet changed to emphasize ToolHound is the primary method by which transient fire extinguishers are checked out and tracked, that a final report will be generated for delivery to CNS, and that UCN-23356, <i>Fire Extinguisher Check-Out Log</i>, may be used in the event ToolHound is unavailable ◦ Section 6.0 changed to differentiate between informal assessments done in Chekhov and formal assessments done in accordance with Y60-95-803 and stored in InfoWorks ◦ Modified Section 8.0 Records, to remove UCN-23356 as a record and to modify UCN-23488, <i>Fire Patrol Log</i>, to be kept in InfoWorks with a Doc Type of FPL • UCN-23506, <i>Fire Investigation Report</i>, was created to support this Procedure • An evaluation determination has been performed confirming that this Procedure does implement requirements tracked in the Programmatic Requirements Management System (PRMS) • Other changes include: <ul style="list-style-type: none"> ◦ Removed Section 2.4, <i>Environmental, Safety and Health Manager, BNI</i> ◦ Updated sections 8.0, <i>Records</i>, and 9.0, <i>References</i>, in accordance with Y15-95-235 ◦ Updated references ◦ Updated acronyms ◦ Editorial changes 	
Revision 10	<input checked="" type="checkbox"/> Intent <input type="checkbox"/> Non-Intent
<ul style="list-style-type: none"> • An evaluation determination has been performed confirming that this Procedure does implement requirements tracked in the Programmatic Requirements Management System (PRMS) • The following forms were created with this revision: <ul style="list-style-type: none"> ◦ UCN-23486, <i>Fire Protection Impairment Log</i> ◦ UCN-23487, <i>Fire Protection System Impairment Request</i> ◦ UCN-23488, <i>Fire Patrol Log</i> • Added new Section 5.1, <i>Impairments</i>; this new section added: <ul style="list-style-type: none"> ◦ Emergency Impairment actions ◦ Impairment Actions ◦ Fire Patrol Actions ◦ System Restoration from Impairment actions • Added Appendix C, <i>UPF Fire Protection System Outage/Impairment/Deficiency Tag</i>, to provide an example of the UPF Fire Protection System Outage/Impairment/Deficiency Tag • Other changes include: 	

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- Updated title
- Added Project Startup Manager to approvals
- Revised and Added Table 1 and Note to Section 5.7, *Temporary Buildings*
- Updated information in the records table in Section 8.0, *Records*
- Updated references
- Updated acronyms
- Editorial changes

Previous revisions on record

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1.0 INTRODUCTION

1.1 Purpose

This Procedure provides fire prevention and protection guidelines and requirements to protect workers and property at the Uranium Processing Facility (UPF) construction site.

1.2 Applicability

This Procedure applies to all personnel at the UPF during the Bechtel National, Inc. (BNI) scope of work for the Project.

This Procedure is applicable during all phases of construction, including startup and testing activities, for the UPF. UPF facilities turned over to Consolidated Nuclear Security (CNS) are outside the scope of this Procedure.

2.0 RESPONSIBILITIES

2.1 UPF Site Manager

The UPF Site Manager is responsible for:

- Implementation and enforcement of the requirements in this Procedure
- Providing personnel, support facilities, and other resources necessary to effectively implement this Procedure

2.2 UPF Project Startup Manager

The UPF Project Startup Manager (PSUM) is responsible for accepting work from Construction, and:

- Implementing and enforcing the requirements in this Procedure as it applies to Startup work scope
- Providing personnel, support facilities, and other resources necessary to effectively implement this Procedure
- Authorizing or delegating coordination of Impairments or modifications to active fire detection and suppression systems under the control of Startup

2.3 Environmental, Safety and Health Manager, BNI

The BNI ES&H Manager is responsible for

- Providing technical support/information with respect to the safety-related aspects of this Procedure

NOTE: *The BNI ES&H Manager will fulfill responsibilities of the fire protection program manager (National Fire Protection Association [NFPA] 241, Standard for Safeguarding Construction, Alteration, and Demolition Operations, Section 7.2.4) from a functional aspect and delegate those duties as appropriate.*

- Providing field support related to fire prevention and protection measures identified in this Procedure

- Acting as the point of contact for all issues or concerns during the construction process, including transfer to Startup ownership

2.4 BNI Fire Protection Engineer

The BNI Fire Protection Engineer (FPE) is responsible for:

- Acting as lead investigator for UPF-related fire incidents, in accordance with Y79-001, *Y-12 Fire Protection Program Manual*
- Providing technical support related to fire protection and prevention issues, construction work practices, life safety requirements, hazard evaluations, and compliance with applicable codes and standards
- Developing compensatory measures when an active system must be changed, modified, or otherwise impaired
- Determining fire protection and prevention measures required for building or partial building occupancy
- Coordinating with the Contractor Authority Having Jurisdiction (CAHJ) any items in which an interpretation is required concerning fire protection/prevention or compensatory measures

2.5 Design Authority Fire Protection Representative

The Design Authority Fire Protection Representative serves as the point of contact for the CAHJ. The Design Authority Fire Protection Representative performs the CAHJ delegated activities/responsibilities as permitted by COL-NNSA-NPO-PM-801768-A281, *Delegation of Fire Protection Authority Having Jurisdiction Responsibilities for the Pantex Plant and Y-12 National Security Complex*.

The Design Authority Fire Protection Representative is responsible for interpreting fire protection codes and standards in accordance with PL-RM-801768-A001, *UPF Design Code of Record*.

2.6 Construction Distributables Manager

The Construction Distributables Manager (hereinafter referred to as Construction Distribs Manager) is responsible for:

- Ensuring fire extinguishers are provided, properly maintained, and inspected
- Maintaining a sufficient supply of fire extinguishers and providing a means to inventory them (refer to **Section 4.4, Portable Firefighting Equipment**)

2.7 Discipline Superintendent/Facility Test Lead

The Discipline Superintendent/Facility Test Lead is responsible for implementing requirements identified in this Procedure on the UPF construction site/supporting areas, including:

- Planning work activities to identify potential hazards and taking the appropriate steps to mitigate those hazards
- Monitoring site conditions daily and implementing remedial actions as required

2.8 Supervisor/Discipline Test Lead

The Supervisor/Discipline Test Lead is responsible for:

- Ensuring unsafe conditions or behaviors are corrected/controlled
- Addressing housekeeping, access/egress, and storage and staging of materials in accordance with this Procedure
- Monitoring site conditions daily and implementing remedial actions as required

3.0 EMERGENCY RESPONSE

3.1 Fire Occurrence

In the event of a fire, personnel are primarily responsible for evacuating themselves and others safely from the fire area. The discoverer of the fire shall perform or direct the following three immediate actions:

Step 1 Yell "FIRE" to notify those in the immediate vicinity.

Step 2 Notify the Y-12 Operations Center (OC) by:

- Activating a fire alarm (pull box), if available
- Calling 911 from a Y-12 landline
- Calling Y-12 OC at (865) 574-7172 from a cell phone
- Contacting the OC via Channel 1 from a Project radio
- Contacting the supervisor/superintendent and providing any information regarding the fire and its location (to be forwarded to the Y-12 OC)

NOTE 1: *Use the phonetic alphabet when calling the OC to avoid confusion identifying the building location.*

Step 3 Only after reporting the fire, personnel may voluntarily attempt to fight a small, early stage fire using an available portable fire extinguisher. This voluntary action should be taken only if personnel believe it is within their capability to safely extinguish or contain the fire, a safe escape route is readily available, and there is no immediate danger.

NOTE 2: *Signage is provided throughout the construction site(s) to reinforce the above reporting steps.*

3.2 Fire Brigade

Emergency response and firefighting capabilities are provided by the Y-12 FD. The Y-12 FD is a fully staffed and fully trained FD satisfying the fire brigade requirements of NFPA 241, Standard for Safeguarding Construction, Alteration, and Demolition Operations.

3.3 Pre-Fire Plans

Pre-fire plans for the UPF construction site(s) are developed and maintained by the Y-12 FD with input from UPF Project personnel.

The CNS ES&H Manager coordinates routine site visits by the Y-12 FD to ensure pre-fire plans are updated to account for changing site conditions.

3.4 Fire Investigations

Incidents reported to the OC as a fire shall be promptly investigated. This includes those incidents where there are obvious indicators of a fire. Once the incident commander from the Y-12 FD has secured the scene unauthorized entry shall be controlled, evidence shall be protected, and cleanup of the fire scene shall be delayed, if possible, until after the fire investigation has been completed. Cleanup or other minimal actions necessary to minimize hazardous conditions, protect personnel safety, or avoid environmental impact are allowed.

The lead investigator assigned to perform fire investigations shall have received training and certification as a fire investigator by the National Association of Fire Investigators or similar national certifying body.

The fire investigation team should consist of appropriate Subject Matter Experts (SMEs) relevant to the fire event, as needed. Incidents involving electrical equipment should include an electrical SME as a team member.

In special cases where a fully certified investigator(s) is not readily available to serve as lead investigator, the manager of FPE may assign non-certified personnel to serve as the lead investigator. In such a situation, the individual shall have the fire protection knowledge and experience appropriate to the event.

Each fire investigation shall be documented on attached UCN-23506, *Fire Investigation Report*, using a graded approach, as appropriate. The final investigation report shall be approved by the Fire Protection CAHJ.

4.0 FIRE PROTECTION

4.1 Access to Buildings under Construction or Startup Control

MAINTAIN roadways for fire apparatus access to each building or area, having:

- An all-weather driving surface
- At least 20 feet of unobstructed width
- A vertical clearance of a minimum of 13 feet, 6 inches
- The ability to withstand the loads of firefighting apparatus

DO NOT OBSTRUCT the required width of the access roadway in any manner, including obstruction caused by parked vehicles.

POST and MAINTAIN No Parking signs, other appropriate notices, or both, prohibiting obstruction.

EXTEND access roadways to within 150 feet of all portions of exterior walls for the first story of any building.

BARRICADE or otherwise mark roadways that do not meet these requirements.

COMMUNICATE changes of established roadways to the Y-12 FD for inclusion in pre-fire plans.

4.2 Access for Firefighting

MAINTAIN adequate escape facilities at all times in buildings under construction.

NOTE: *Escape facilities consist of doors, walkways, stairs, ramps, fire escape ladders, or other approved means or devices arranged in accordance with the general principles of the NFPA 101®, Life Safety Code®, in so far as they can reasonably be applied to buildings under construction.*

PROVIDE at least one lighted stairway in all buildings over one story in height, that is in usable condition, at all times with access to each floor.

ENCLOSE at least one stairway when the exterior walls of the building are complete.

POST all exit stairs with identification signs that include the floor level and stair designation.

MAINTAIN clear access to all available firefighting equipment.

LOCATE firefighting equipment so it is conspicuously located.

4.3 Means of Egress

- **ENSURE** the following egress requirements are met in every building and structure:
- **ENSURE** at least two exits are provided that have unobstructed egress from all parts of the building or structure that discharge to a safe location
- **ENSURE** exits are illuminated
- **ENSURE** locks or fastenings that can prevent free escape from inside the building are not installed
- **ENSURE** exits and travel paths to reach exits are marked with readily visible signs or other means of identification
- **MAINTAIN** means of egress free of all obstructions or impediments for use in case of fire or other emergency

4.4 Portable Firefighting Equipment

ENSURE the following portable firefighting equipment requirements are met, as applicable:

- **ESTABLISH** maps for each building under construction to identify portable fire extinguisher placement, location, and type
- Fire extinguisher maps shall be reviewed and approved by the BNI FPE to ensure proper sizing and spacing of fire extinguishers
- **PROVIDE** one or more fire extinguisher on each floor; in multistory buildings, locate at least one fire extinguisher adjacent to each stairway
- **INSPECT** and **MAINTAIN** all portable fire extinguishers in accordance with **Appendix B, Monthly Inspection and Annual Maintenance Fire Extinguisher Inspection Requirements**
- **MAINTAIN** portable fire extinguishers in accordance with NFPA 10, *Standard for Portable Fire Extinguishers*
- **USE** only fire extinguishers listed or approved by a nationally recognized testing laboratory
- **PROVIDE** suitable portable fire extinguishers on all self-propelled equipment
- **PROVIDE** and **MAINTAIN** at least one approved extinguisher in an accessible location in each of the following:

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- Tool room
- Storeroom
- Dressing/change room
- Workshop
- **REPLACE** fire extinguishers **IMMEDIATELY** after discharge with another fire extinguisher that is fully charged and of the proper size and type
- The Construction Distribs Manager, or delegate, will **MAINTAIN** a master list of all fire extinguishers utilized on the Project
- Transient fire extinguishers checked out for hot work activities or other tasks will be tracked and inspected monthly using the Toolhound™ electronic database (managed in accordance with Y60-95-015, *Uranium Processing Facility Software Quality Assurance*). A final report on the transient fire extinguishers will be produced from Toolhound and submitted at the end of the project. (UCN-23356, *UPF Fire Extinguisher Check-Out Log*, may be used as a backup in the event Toolhound is unavailable).

4.5 Fixed Firefighting Equipment

ENSURE the following fixed firefighting equipment requirements are met, as applicable:

- **IF** the facility being constructed includes the installation of automatic sprinkler protection and standpipe systems, **THEN ENSURE** those systems are placed in service as soon practicable

NOTE: *The activation timeframe of those systems is to be established and agreed to by the Design Authority Representative (DAR)/CAHJ in a record of decision.*

MAINTAIN active systems in accordance with NFPA 25, *Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems*, and NFPA 72®, *National Fire Alarm and Signaling Code*®.

- **IF** the operational status to any active fire protection system is changed, **THEN ENSURE** the following criteria are met:
 - **OBTAIN** authorization from the Startup Manager
 - **COMMUNICATE** the Impairment to the Y-12 FD
 - **IMPLEMENT** compensatory measures developed by the BNI FPE during the extent of the Impairment
- **PROVIDE** and **MAINTAIN** free access from the street to fire hydrants and to outside connections for standpipes, sprinklers, or other fire extinguishing equipment, whether permanent or temporary
- **IDENTIFY** out-of-service hydrants and Post Indicator Valves
- **IDENTIFY** active standpipes and other fire protection devices
- **DO NOT CONSTRUCT** protective pedestrian walkways so they impede access to hydrants
- **DO NOT INTERFERE** with access to hydrants, FD/firehose connections, or fire extinguishing equipment (e.g., material, construction equipment)
- **REMOVE** temporary protective coverings used on fire protection devices during work (e.g., painting, welding) promptly when work is completed in the area

4.6 Water Supply

ENSURE an adequate water supply for fire protection, either temporary or permanent, is made available. The supply shall be capable of the volume, duration, and pressure required to operate fixed firefighting equipment.

4.7 Fire Cutoffs

ENSURE the following fire cutoff requirements are met, as applicable:

- **IF** the facility being constructed includes fire walls, fire doors, and exit stairways, **THEN ENSURE** the completion of those systems follows construction completion, and the systems are placed in service as soon practicable

NOTE: *The activation timeframe of those systems is to be established and agreed to by the DAR/CAHJ in a record of decision.*

- **MAINTAIN** active fire doors in a closed position unless being used
- **IF** active fire cutoffs must be changed or altered for any reason, **THEN ENSURE** the following criteria are met:
 - **OBTAIN** authorization from the BNI ES&H Manager
 - **COMMUNICATE** the Impairment to the Y-12 FD
- **IMPLEMENT** compensatory measures developed by the BNI FPE during the extent of the Impairment

5.0 FIRE PREVENTION

5.1 Impairments

5.1.1 Emergency Impairments

NOTE: *Contact the PSUM, or designee for assistance in the event of an emergency Impairment.*

The **PSUM**, or designee, shall be responsible for verifying the following actions have been performed:

- Notifications to stakeholders (below) that an emergency Impairment condition has occurred:
 - Plant Shift Superintendent (PSS) (Phone: 865-574-7172)
 - Alarm Monitoring Security Central (Phone: 800-286-5699)
 - Site Manager
 - BNI ES&H Manager
 - Design Authority Fire Protection Representative
 - BNI FPE
 - Y-12 FD (Alarm Room Officer Phone: 865-576-1890)
- A Fire Protection Impairment Tag has been installed on the system indicating it has been removed from service
- When emergency Impairments occur, emergency actions are taken to minimize potential injury and damage

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- Compensatory measures (as needed) are established and documented on UCN-23486, *Fire Protection Impairment Log*
- The area affected by the impairment is placed under Fire Patrol until the impaired Fire Protection/Detection System has been returned to service. The interval selected for the Fire Patrol shall be commensurate with the severity of the hazard being mitigated up to potentially being a continuous fire watch, until the affected system is returned to service.
- All hazardous activities have been stopped until they have been reviewed by the BNI ES&H Manager and approved for resumption

Impairment has been documented, including corrective actions taken in the UCN-23486 (Impairment number consists of the year and a subsequent number):

- The **PSUM** or designee **SHALL** update the Plan of the Day (POD) daily of Impairments, expected duration, and corrective actions implemented

UCN-23487, *Fire Protection System Impairment Request*, is to be completed and routed AFTER the Emergency Impairment has been implemented. Steps outlined within Section **5.1.2, Preplanned Impairments**, are to be implemented after the steps within Section **5.1.1, Emergency Impairments**, are performed.

5.1.2 Preplanned Impairments

NOTE: *The impairing of Fire Protection/Detection Systems to reduce the need to manage work interfaces is not an appropriate risk management and does not meet regulatory requirements.*

All Impairments **SHALL** be authorized through UCN-23487.

The Requester will notify the following before fire protection systems are impaired:

- PSUM
- Site Manager
- BNI ES&H Manager
- BNI FPE
- Design Authority Fire Protection Representative
- Y-12 FD (Alarm Room Officer Phone: 865-576-1890)
- Plant Shift Superintendent (PSS) (Phone: 865-574-7172)
- Alarm Monitoring Security Central (Phone: 800-286-5699)

The **PSUM**, or designee **SHALL** update the **POD** of Impairments, expected duration, and compensatory measures implemented.

Before authorization is given, the **PSUM**, or designee, **SHALL** be responsible for verifying that the following has been implemented:

- Extent and expected duration of the Impairment have been determined
- Areas or buildings involved have been inspected and the increased risks determined and documented on UCN-23487
- Recommendations to mitigate any increased risks have been submitted to management
- If applicable, assemble all necessary tools and materials on the Impairment site

Fire Prevention and Protection

Where a Fire Protection/Detection system is out of service, the **PSUM** or designee **SHALL** arrange for compensatory measures and may include the following:

- Evacuation of the building or portion of the building affected by the system out of service
- Fire patrol plan
- Limited facility operations
- Establishment of a Temporary Water Supply
- Establishment and implementation of an approved program to eliminate potential ignition sources, and to limit the amount of fuel available
- If applicable, assemble all necessary tools and materials on the Impairment site

Document the Impairment on UCN-23486.

INSTALL UPF Fire Protection System Outage/Impairment/Deficiency Tag (see **Appendix C, UPF Fire Protection System Outage/Impairment/Deficiency Tag**), and ensure tag is documented on the UCN-23487 to indicate that the system has been removed from service.

The **PSUM**, or designee, **SHALL** post signage, in accordance with UPF-CP-214, *Barricades and Signs*, on all entrances to the building with the impaired system.

5.1.3 Fire Patrol

In accordance with UCN-23488, *Fire Patrol Log*, all areas are to be patrolled and the frequency of the patrols are to be continuous until returned to normal operation.

Fire patrol for Impairments shall default to a continuous fire watch, 24/7 in all areas impacted by the Impairment, unless an interval for fire patrol is defined as a comp measure in an approved impairment request, UCN-23487. If the affected area is of the size preventing the fire patrol to make the rounds in a reasonable time (approximately 30 minutes per round), then multiple fire patrol personnel will be required.

UCN-23488 **should** be used for each Impairment.

If a **FIRE** is **DETECTED**, perform the following:

- **IMMEDIATELY** stop all work activities
- **ORDER** an evacuation of the affected work areas and buildings
- **PERFORM** notifications (**Section 3.1, Fire Occurrence**)

Remain on fire patrol rounds until one of the following occurs:

- Relieved from duty by another fire patrol
- Notified by the **PSUM**, or designee, that fire patrol is no longer required

The Fire Patrol Log used by the Fire Patrol personnel is to be turned into the Fire Impairment Requester when completed.

5.1.4 System Restoration

NOTE: *The appropriate **NFPA** codes and standards shall be consulted on the type of test or inspection required.*

When restoring impaired equipment to normal working order, the **PSUM** or designee shall verify the following steps have been implemented before closing the Impairment in Process Director or on the UCN-23486:

- **INSPECT** and **TEST** to verify the affected systems are operational
- **ENSURE** the impaired equipment is returned to operational status, as appropriate
- **ENSURE** the UPF Fire Protection System Outage/Impairment/Deficiency Tag(s) (refer to **Appendix C**) has been removed
- Notify the following the Impairment has been **RESTORED**:
 - Site Manager
 - BNI ES&H Manager
 - Design Authority Fire Protection Representative
 - Y-12 FD (Alarm Room Officer Phone: 865-576-1890)
 - BNI FPE
- The **PSUM** or designee **SHALL** update the **POD** that Impairments and compensatory measures implemented have been **RESTORED**

Compile the following and submit to the Document Management Center (DMC):

- UCN-23487, *Fire Protection System Impairment Request*
- UCN-23486, *Fire Protection Impairment Log*

5.2 Hot Work

REFER TO Y17-95-64-877, *UPF Hot Work Permit*, for fire protection and prevention measures during welding, cutting, and hot work.

5.3 Ignition Hazards

HANDLE ignition hazards as follows:

- **INSTALL** electrical wiring and equipment for light, heat, or power purposes in accordance with UPF-MANUAL-CM-001, *Uranium Processing Facility Construction Electrical Safety Manual*
- **DO NOT SMOKE** unless in a designated smoking area in accordance with UPF-POLICY-CM-004, *UPF Smoking/Tobacco Use Policy*
- **LOCATE** exhausts of internal combustion engine-powered equipment away from combustible materials

5.4 Construction Material and Equipment Staging

WHEN equipment to be installed is staged in unprotected structures under construction, **REMOVE** associated combustible construction and packing materials, unless authorized by the FPE.

Permanent storage shall not be permitted in structures until the fire protection system is in service and authorized by the BNI ES&H Manager.

Fire Prevention and Protection

To the extent possible, materials used for temporary construction purposes inside of buildings/structures shall be of the fire-resistive type.

Combustible materials staged for imminent use inside buildings under construction shall not exceed five days, unless authorized by the BNI FPE.

MAINTAIN at least a 36-inch clearance between the top level of the stored material and the sprinkler deflectors.

MAINTAIN clearance around lights and heating units to prevent ignition of combustible materials.

DO NOT STORE material within 36 inches of a fire door opening.

5.5 Waste Disposal

REMOVE accumulations of combustible waste material, dust, and debris at the end of each work shift or more frequently (as necessary).

DISPOSE of materials susceptible to spontaneous ignition (e.g., oily rags) in a listed disposal container.

Trash chutes shall be constructed of noncombustible materials or fire retardant, and plans must be approved by the CAHJ prior to use.

5.6 Scaffolding, Shoring, and Forms

ENSURE the following requirements for scaffolding, shoring, and forms are met:

- **PREVENT** the accumulations of unnecessary combustible scaffold or form lumber
- **BRING** combustible forms or lumber into a structure only when needed
- **REMOVE** combustible forms or lumber from the structure as soon as stripping is completed

5.7 Temporary Buildings

DO NOT ERECT a temporary building within a building under construction unless approved by the BNI FPE.

DO NOT erect or place a temporary building within the minimum separation distances required in **Table 1** from a building under construction or other permanent construction support structures, unless approved in advance by the BNI FPE.

Table 1. Separation Distances

Temporary Structure Exposing Wall Length		Minimum Separation Distance	
m	ft	m	ft
6	20	9	30
9	30	11	35
12	40	12	40
15	50	14	45
18	60	15	50
>18	>60	18	60

NOTE: *The separation distances apply to single-level structures only. This table does not apply to multilevel, unsprinkled structures. A level, where applying this table, is 3.6 m (12 ft).*

5.8 Temporary Enclosures

ENSURE only non-combustible panels, flame-resistant tarpaulins, or approved materials of equivalent fire-retardant characteristics are used for temporary enclosures.

EQUIP each temporary enclosure with a fire extinguisher.

5.9 Yard Storage

ENSURE yard storage meets the following criteria:

- **PILE** combustible materials with due regard to the stability of the piles, but no higher than 20 feet
- **KEEP** the storage areas free from accumulation of unnecessary combustible materials, keep weeds and grass down, and provide periodic cleanup of the entire area
- **DO NOT STORE** combustible material outdoors within 30 feet of a building or structure
- **PROVIDE** portable fire extinguishing equipment suitable for the fire hazard involved at convenient, conspicuously accessible locations in the yard area

5.10 Flammable and Combustible Liquids

5.10.1 General Requirements

USE only approved containers and portable tanks for storage and handling of flammable and combustible liquids.

USE only approved safety cans or Department of Transportation-approved containers for the handling and use of flammable liquids in quantities of five gallons or less. The only exception to this requirement is for flammable liquid materials that are thick and highly viscid (extremely hard to pour), which may be used and handled in original containers.

IF quantities are one gallon or less, **THEN USE** the original container or approved metal safety cans for storage, use, and handling.

DO NOT STORE flammable or combustible liquids in areas used for exits, stairways, or areas normally used for the safe passage of people.

Aggregate incidental in-use quantities of flammable and combustible liquids for tasks in buildings under construction shall not exceed:

- 25 gallons (95 liters) of Class IA liquids in approved containers
- 120 gallons (454 liters) of Class IB, Class IC, Class II, or Class III liquids in approved containers

USE Class I flammable liquids within a building under construction or other potentially enclosed space **ONLY** with an approved and implemented plan. The BNI FPE shall

provide one of the approvals of the plan, evaluating whether the atmosphere will be adequately maintained below 25% of the applicable flammables Lower Flammable Limit (LFL)/Lower Explosive Level (LEL)

5.10.2 Storage of flammable and Combustible Liquids

Designated flammable and combustible liquid storage areas (bulk storage) SHALL be approved by the BNI FPE.

PROVIDE only approved metal storage cabinets that meet the requirements of NFPA 30, *Flammable and Combustible Liquids Code*, 2012 Edition.

LABEL cabinets with conspicuous lettering “Flammable—Keep Fire Away.”

LABEL portable bulk tanks and containers with the applicable NFPA 704, *Standard System for the Identification of the Hazards of Materials for Emergency Response*, placard.

STORE no more than 60 gallons of Class I and Class II liquids inside of an unprotected structure. Storage **MUST** to be in an approved metal storage cabinet.

LOCATE designated flammable/combustible liquid storage areas (bulk storage) 50 feet or greater from buildings under construction.

Hot work or open flames **SHALL NOT** be allowed in approved flammable and combustible liquid storage areas.

KEEP approved flammable and combustible liquid storage areas free from weeds, debris, and combustible materials not necessary to the storage.

NOTE: *Additional requirements for storage areas and inventory of hazardous materials is established in Y73-181PD, Hazardous Materials Management Program.*

5.10.3 Dispensing Flammable and Combustible Liquids

DO NOT transfer/dispense flammable or combustible liquids inside of unprotected structures.

PROTECT flammable and combustible liquids being transferred/dispensed from static electricity.

PROVIDE adequate spill preventing and control means.

ENSURE adequate natural or mechanical ventilation.

USE only Project-approved dispensing devices and nozzles for flammable liquids.

5.10.4 Refueling Activities

ENSURE only approved vehicles are used for refueling activities.

ENSURE portable fuel cells/tanks comply with NFPA 30 and are UL listed to include the dispensing hose and nozzle. **IF** fuel cells/tanks are required to be lifted, **ENSURE** the tank is rated and approved for hoisting.

SHUT OFF the motors of all equipment being refueled before refueling operations begin.

If pumps are used to refuel, **THEN ENSURE** they are provided with automatic shut-off.

DO NOT refuel vehicles and/or portable equipment in buildings under construction.
PROVIDE adequate spill preventing and control means.

5.10.5 Flammable and Combustible Gases

REFER TO UPF-CP-225, *Compressed Gas Cylinders, Liquefied Petroleum Gas, and Liquefied Inert Gases*, for handling liquefied petroleum gas and other flammable or combustible gasses.

5.11 Temporary Heating Devices

ENSURE the following requirements for temporary heating devices are met:

- **SUPPLY** fresh air in sufficient quantities to maintain the health and safety of workers
 - **WHEN** fresh air supply is inadequate, **THEN PROVIDE** mechanical ventilation
- **INSTALL** temporary heating devices to provide 36-inch clearance to all material, unless otherwise specified by the manufacturer
- **ENSURE** heaters used in the vicinity of tarpaulins or similar sheet material are located at least 10-feet from the coverings, and the covering is securely fastened to prevent ignition or upsetting the heater as a result of wind or severe weather
- **ENSURE** heaters, when in use, are set horizontally level unless otherwise permitted by the manufacturer's markings
- **DO NOT USE** solid fuel salamanders or temporary heating equipment using exposed radiant heating wires
- **ENSURE** flammable liquid-fired heaters are equipped with a primary safety control to stop the flow of fuel in the event of flame failure; barometric or gravity oil feed is not considered a primary safety control
- **ENSURE** heaters designed for barometric or gravity oil feed are used only with the integral tanks
USE and **MAINTAIN** temporary heating equipment in accordance with the manufacturer's instructions
- **ENSURE** portable heaters, regardless of fuel source, are equipped with an approved automatic device to shut off the flow of gas to the main burner and pilot, if used, in the event of flame failure
- **ENSURE** heaters having inputs above 50,000 Btu per hour are equipped with either a pilot, which must be lighted and proved before the main burner can be turned on, or an electrical ignition system
- **ENSURE** fuel supplies for liquefied petroleum gas-fired heaters comply with NFPA 54, *National Fuel Gas Code*, and NFPA 58, *Liquefied Petroleum Gas Code*
- **ENSURE** heating devices are secured and immobile during operation
- **INSTALL** and **ACTIVATE** permanent heating equipment so the completion of those systems follows automatic sprinkler system completion, or activation, and is placed in service as soon practicable

NOTE: *The activation timeframe of these systems is to be established and agreed to by the DAR/CAHJ in a record of decision.*

6.0 FIRE PREVENTION/PROTECTION SELF-INSPECTIONS

For facilities under construction, regular weekly informal assessments will be conducted by the Construction Supervisor, Subcontract Technical Representative (STR), or designee to ensure the provisions of this Procedure are being met. Project personnel can perform and document informal observations utilizing Chekhov supporting the leadership engagement efforts. Formal assessments will be performed on a predetermined schedule, documented in the Project record retention database (InfoWorks®) and governed by Y60-95-803, *UPF General Assessments*.

7.0 WORK PHASE TRANSITION/HAZARD ANALYSIS

As the work phases transition in each facility/building (i.e., construction to startup), the changes in the hazards will be evaluated to determine additional fire prevention controls and practices, including:

- Fire protection systems
- Fire detection and communication
- Life safety and egress
- Y-12 FD response and access
- Housekeeping and control of combustibles
- Control of ignition sources
- Rapid Communication
- Consideration of special hazards
- Protection of existing structures and equipment from exposure fires

8.0 RECORDS

Records generated by this Document shall be maintained in accordance with Y15-95-800, *UPF Document Management*.

The following records generated are:

Record or Form Number	Record Title	System/ Location	Document Type
UCN-23486	<i>Fire Protection Impairment Log</i>	InfoWorks	FPS
UCN-23487	<i>Fire Protection System Impairment Request</i>	InfoWorks	FPS
UCN-23488	<i>Fire Patrol Log</i>	InfoWorks	FPL
UCN-23506	<i>Fire Investigation Report</i>	InfoWorks	RP
Document Specific	<i>ToolHound Fire Extinguisher Final Report (UCN-23356 may be used in the event ToolHound is unavailable)</i>	InfoWorks	RP

9.0 REFERENCES

9.1 Source References

29 CFR 1926, Subpart F, *Fire Protection and Prevention*

Bechtel Core Process 211 2HC-E0S0-00211-000, *Fire Prevention and Protection*

E-SD-2009, *Integrated Safety Management Program - Incorporating Worker Safety and Health Program Requirements*

NFPA 13, *Standard for the Installation of Sprinkler Systems*

NFPA 70®, *National Electrical Code*®

Y79-001, *Y-12 Fire Protection Program Manual*

9.2 Interfacing References

10 CFR 851, *Worker Safety and Health Program*

COL-NNSA-NPO-PM-801768-A281, *Delegation of Fire Protection Authority Having Jurisdiction Responsibilities for the Pantex and Y-12 National Security Complex*

NFPA 10, *Standard for Portable Fire Extinguishers*

NFPA 25, *Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems*

NFPA 30, *Flammable and Combustible Liquids Code*

NFPA 54, *National Fuel Gas Code*

NFPA 58, *Liquefied Petroleum Gas Code*

NFPA 72®, *National Fire Alarm and Signaling Code*®

NFPA 101®, *Life Safety Code*®

NFPA 241, *Standard for Safeguarding Construction, Alteration, and Demolition Operations*

NFPA 251, *Standard Methods of Tests of Fire Resistance of Building Construction and Materials*

NFPA 704, *Standard System for the Identification of the Hazards of Materials for Emergency Response*

PL-RM-801768-A001, *UPF Design Code of Record*

ROD-CM-801768-A006, *Record of Decision BNI Direct Hire to Perform Annual External Examination of UPF Fire Extinguishers*

UPF-CP-214, *Barricades and Signs*

UPF-CP-225, *Compressed Gas Cylinders, Liquefied Petroleum Gas, and Liquefied Inert Gases*

UPF-MANUAL-CM-001, *Uranium Processing Facility Construction Electrical Safety Manual*

<i>Fire Prevention and Protection</i>

UPF-POLICY-CM-004, *UPF Smoking/Tobacco Use Policy*
Y15-95-800, *UPF Document Management*
Y17-95-64-877, *UPF Hot Work Permit*
Y60-95-015, *Uranium Processing Facility Software Quality Assurance*
Y60-95-803, *UPF General Assessments*
Y73-181PD, *Hazardous Materials Management Program*
Y79-001, *Y-12 Fire Protection Program Manual*

9.3 **Forms**

UCN-16673, *Tag: Fire Department Operations Inspection Record*
UCN-23356, *UPF Fire Extinguisher Check-Out Log*
UCN-23486, *Fire Protection Impairment Log*
UCN-23487, *Fire Protection System Impairment Request*
UCN-23488, *Fire Patrol Log*
UCN-23506, *Fire Investigation Report*

10.0 **SUPPLEMENTAL INFORMATION**

Appendix A, *Acronyms and Definitions*
Appendix B, *Monthly Fire Extinguisher Inspection Requirements*
Appendix C, *UPF Fire Protection System Outage/Impairment/Deficiency Tag*

APPENDIX A Acronyms and Definitions

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Acronyms

BNI	Bechtel National, Inc.
CNS	Consolidated Nuclear Security
CAHJ	Contractor Authority Having Jurisdiction
CFR	Code of Federal Regulations
DAR	Design Authority Representative
ES&H	Environmental, Safety, and Health
FD	Fire Department
FPE	Fire Protection Engineer
NFPA	National Fire Protection Association
OC	Operations Center
POD	Plan of the Day
PSS	Plant Shift Superintendent
PSUM	Project Startup Manager
SME	Subject Matter Expert
UPF	Uranium Processing Facility
Y-12	Y-12 National Security Complex

Definitions

Annual	Once per calendar year
Approved	For the purpose of this Procedure, equipment that has been listed or approved by a nationally recognized testing laboratory that issues approval for such equipment.
Closed Container	A container so sealed by means of a lid or other device that neither liquid nor vapor will escape from it at ordinary temperatures.
Combustible	Any liquid having a flash point at or above 140° F and below 200° F.
Designated Flammable and Combustible	Any area approved by BNI FPE utilized for the storage of flammable and combustible liquids in excess of incidental use quantities.
Emergency Impairment	A condition where a water-based fire protection system or portion thereof is out of order because of an unexpected occurrence (i.e., ruptured pipe, operated sprinkler, interruption of the water supply to the system).
Fire	Unplanned destructive and uncontrolled burning, including detonation and deflagration, as manifested by any or all of the following: flame, heat, or smoke. Fire does not include the following events unless they cause a fire or occur as a consequence of the event: lightning or electrical discharge; rupture of a pressure vessel not caused by internal combustion; detonation of munitions; overheating (without damage to initiating material); or failure of electric motors and other electrical equipment through overheating and shorting where any visible sparks or flames self-extinguish after power is removed from the device.

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APPENDIX A Acronyms and Definitions

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Fire Resistance	Resistant to fire such that, for specified time and under conditions of standard heat intensity, will not fail structurally and will not permit the side furthest from the fire to become hotter than a specified temperature. For purposes of this Procedure, fire resistance is determined by NFPA 251, <i>Standard Methods of Tests of Fire Resistance of Building Construction and Materials</i> .
Flammable	Capable of being easily ignited and burning intensely or rapidly.
Flammable Liquids	Any liquid having a flash point below 140° F and having a vapor pressure not exceeding 40 pounds per square inch (absolute) at 100° F.
Hot Work	Work involving burning, welding, grinding, or similar operation capable of initiating fires or explosions.
Portable Tank	A closed container having a liquid capacity more than 60 gallons and not intended for fixed installation.
Preplanned Impairment	A condition where a water-based fire protection system or a portion thereof is out of service because of work that has been planned in advance, such as revisions to the water supply or sprinkler system piping.
Temporary Building	Construction-related structures, such as offices, trailers, sheds, or other facilities for the storage of tools and materials intended to remain throughout the construction phase.
Temporary Enclosure	A structure erected to protect equipment/material or support the completion of a construction work task (e.g., welding, coatings application). Typical enclosure types include tents and other membrane-covered structures (e.g., scaffolding).

APPENDIX B

Monthly Inspection and Annual Fire Extinguisher Examination Requirements

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Monthly Fire Extinguisher Inspection Requirements

Monthly visual inspections shall be performed on each portable fire extinguisher and the tag shall be marked/punched to denote the passed inspection. Any deficiencies shall be corrected on the spot. Damaged or defective fire extinguishers shall be tagged, removed from service, and replaced with an equivalent operable unit.

Monthly fire extinguisher inspections requirements are as follows:

Present and Secured	A fire extinguisher is provided at each location designated by the inventory list.
Accessible	The fire extinguisher is accessible with an area provided around the extinguisher to allow access to the extinguisher. Also, trash is not placed on or in any component of the fire extinguisher or blocking access to the extinguisher.
Identification	Permanently installed extinguisher locations are marked with a placard that is mounted above the extinguisher or cabinet and is clearly visible.
Seal Intact	Each pressurized portable fire extinguisher is provided with a plastic seal. The seal must be intact and not broken to ensure the extinguisher has not been discharged.
Pressure or Volume is Adequate	For extinguishers with a pressure gauge, the needle indicator is within the operable range or position.
Damage	The fire extinguisher appears in good condition with no obvious physical damage, corrosion, leakage, or clogged nozzle.
Tagged	Check the extinguisher tag to confirm the monthly inspection and annual maintenance has been completed. Verification dates on the tag shall include the calendar year.

Annual External Examination of UPF Fire Extinguishers

BNI personnel designated to perform the annual external examinations of portable fire extinguishers will be briefed, tested, and certified on the examination procedure and requirements per NFPA 10 and as approved by the UPF Fire Protection DAR in ROD-CM-801768-A006, BNI Direct Hire to Perform Annual External Examination of UPF Fire Extinguishers. PowerBI will be utilized to generate and maintain a report/list of all BNI personnel that are designated to complete the annual external examination of UPF Fire Extinguishers.

- Annual external examinations will be conducted by BNI within the calendar year for all portable fire extinguishers with a date of manufacture of the previous year or older
- Annual external examination attributes shall comply with NFPA 10 Section 7.3.2
 - The fire extinguisher appears in good condition with no obvious physical damage, corrosion, or clogged nozzle
 - Operating instructions are present, legible, and facing forward

APPENDIX B

Monthly Inspection and Annual Fire Extinguisher Examination Requirements

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- The Hazard Material Information System (HMIS) information is present and legible
- Determine if a the 6-year internal examination or 12-year hydrostatic test is due per NFPA 10 table 7.3.3.1
- Remove the tamper seal by operating the pull pin
- Install a new tamper seal
- Damaged or defective fire extinguishers shall be tagged, removed from service, and replaced with operable extinguishers of the same size and type
- Affix a tag securely to the fire extinguisher indicating that external examination was successful. Annual examination Tags will be UCN-16673 or similar, to comply with NFPA 10 Section 7.3.4.1.1
- The dates the annual external examinations were performed will be documented and tracked in ToolHound
- When a portable fire extinguisher meets the criteria of requiring an internal examination per NFPA 10 Section 7.3.3, or a hydrostatic test per Section 8.3.1, the extinguisher will be turned over to the Y-12 Fire Department for action

APPENDIX C

UPF Fire Protection System Outage/Impairment/Deficiency Tag

UPF FIRE PROTECTION SYSTEM OUTAGE/IMPAIRMENT/DEFICIENCY TAG	
NUMBER	DATE/TIME
ISSUE TYPE <input type="checkbox"/> PLANNED OUTAGE <input type="checkbox"/> IMPAIRMENT <input type="checkbox"/> DEFICIENCY	
BUILDING / LOCATION	
SYSTEM COMPONENT NAME	
SYSTEM COMPONENT UNID	
OUTAGE / IMPAIRMENT / DEFICIENCY DESCRIPTION	
COMPENSATORY MEASURE <input type="checkbox"/> YES <input type="checkbox"/> NO	
APPLIED BY: NAME / BADGE #	VERIFIED BY: NAME / BADGE #
ATTACH TO AFFECTED SYSTEM / COMPONENT	

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