



## UPF PAGE/PROCEDURE CHANGE NOTICE (PRCN)

PRCN Number: PRCN-PL-SH-801768-A023-R00-01	Effective Date: 09/27/2023
<b>NOTE: PRCN Effective Date cannot precede effective date of associated document.</b>	
<input type="checkbox"/> Intent Change	<input checked="" type="checkbox"/> Non-Intent Change
Associated Document Number: PL-SH-801768-A023	Rev: 0
Associated Document Title: <i>UPF Exposure Control Plan for Bloodborne Pathogens</i>	
Justification for Change: The UPF Project has implemented an organizational change, where the role of the CNS ESH&Q Manager is split into CNS QA Manager and CNS ES&H Manager. Condition Report CR 25774-000-GCA-GAM-04375, <i>Updates Required to Roles and Responsibilities in UPF Documentation Due to Organization Change</i> , Action #1, Issue PRCNs, due 09/30/2023 drives the title change.	
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.	
<b>Revise Acronyms</b>	
<b>From:</b> ESH&Q Environmental, Safety, Health, <del>and Quality</del>	
<b>To:</b> ES&H Environmental, Safety, <del>and</del> Health	
<b>Revise Section 2.1:</b>	
<b>From:</b> UPF ESH&Q Manager	
The CNS Environmental, Safety, Health, <del>and Quality (ESH&amp;Q)</del> Manager is responsible for the approval of the UPF Medical Subcontractor ECP.	
<b>To:</b> UPF ES&H Manager	
The CNS Environmental, Safety, <del>and</del> Health Manager is responsible for the approval of the UPF Medical Subcontractor ECP.	

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**UPF EXPOSURE CONTROL PLAN FOR  
BLOODBORNE PATHOGENS**

**PL-SH-801768-A023, REV. 0**



THE NATION'S  
**URANIUM  
PROCESSING  
FACILITY**



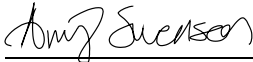
**RC-UPF DMC**  
01/04/23 14:54




# **UPF EXPOSURE CONTROL PLAN FOR BLOODBORNE PATHOGENS**

Prepared by the Uranium Processing Facility Project Team  
of Consolidated Nuclear Security, LLC  
Management & Operating Contractor  
for the  
Y-12 National Security Complex and Pantex Plant  
under Contract No. DE NA0001942  
with the U.S. Department of Energy  
National Nuclear Security Administration


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Effective Date

## REVISION LOG

Revision 0	<input checked="" type="checkbox"/> Intent <input type="checkbox"/> Non-Intent
<ul style="list-style-type: none"><li>• Initial Issue</li><li>• An evaluation determination has been performed confirming that this Plan that Implements Requirements does implement requirements tracked in the Programmatic Requirements Management System (PRMS)</li><li>• This Plan was developed in response to Condition Report 25774-000-GCA-GAM-04061, Action 7, <i>Develop UPF ECP</i></li></ul>	

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## ACRONYMS

<b>CFR</b>	Code of Federal Regulations
<b>CNS</b>	Consolidated Nuclear Security, LLC
<b>ECP</b>	Exposure Control Plan
<b>ES&amp;H</b>	Environmental, Safety, and Health
<b>HBV</b>	Hepatitis B virus
<b>HIV</b>	Human Immunodeficiency virus
<b>OSHA</b>	Occupational Safety and Health Administration
<b>PPE</b>	Personal Protective Equipment
<b>UPF</b>	Uranium Processing Facility

PRCN 01

## DEFINITIONS

**Blood** – Human blood, human blood components, and products made from human blood.

**Bloodborne Pathogens** – Pathogenic microorganisms that are present in human blood and can cause disease in humans. These pathogens include, but are not limited to, hepatitis B virus (HBV), and human immunodeficiency virus (HIV).

**Contaminated** – The presence or the reasonably anticipated presence of blood or other potentially infectious materials on an item or surface.

**Contaminated Sharps** – Any contaminated object that can penetrate the skin including, but not limited to, needles, scalpels, broken glass.

**Exposure Incident** – A specific eye, mouth, other mucous membrane, non-intact skin, or parenteral contact with blood or other potentially infectious materials that results from the performance of an employee's duties.

**Handwashing Facilities** – A facility providing an adequate supply of running potable water, soap, and single-use towels or air-drying machines.

**Occupational Exposure** – Reasonably anticipated skin, eye, mucous membrane, or parenteral contact with blood or other potentially infectious materials that may result from the performance of an employee's duties.

### **Other Potentially Infectious Materials –**

1. The following human body fluids: semen, vaginal secretions, cerebrospinal fluid, synovial fluid, pleural fluid, pericardial fluid, peritoneal fluid, amniotic fluid, saliva in dental procedures, body fluid that is visibly contaminated with blood, and all body fluids in situations where it is difficult or impossible to differentiate between body fluids
2. Any unfixed tissue or organ (other than intact skin) from a human (living or dead)

**Personal Protective Equipment (PPE)** – Specialized clothing or equipment worn by an employee for protection against a hazard. General work clothes (e.g., uniforms, pants, shirts, or blouses) not intended to function as protection against a hazard are not considered to be PPE.

**Regulated Waste** – Liquid or semi-liquid blood or other potentially infectious materials, contaminated items that would release blood or other potentially infectious materials in a liquid or semi-liquid state if compressed, items that are caked with dried blood or other potentially

infectious materials and are capable of releasing these materials during handling, contaminated sharps, and pathological and microbiological wastes containing blood or other potentially infectious materials.

**Source Individual** – Any individual, living or dead, whose blood or other potentially infectious materials may be a source of occupational exposure to the employee. Examples include, but are not limited to, hospital and clinic patients, clients in institutions for the developmentally disabled, trauma victims, clients of drug and alcohol treatment facilities, residents of hospices and nursing homes, human remains, and individuals who donate or sell blood or blood components.

**Universal Precautions** – An approach to infection control. According to the concept of Universal Precautions, all human blood and certain human body fluids are treated as if known to be infectious for HIV, HBV, and other bloodborne pathogens.

**Work Practice Controls** – Controls that reduce the likelihood of exposure by altering the manner in which a task is performed.



## 1.0 INTRODUCTION

UPF employees will not perform activities with the potential of exposure to blood, or other potentially infectious materials, since that is the responsibility of UPF Medical Subcontractor. This document provides specific details for 10 Code of Federal Regulations (CFR) 851, *Worker Safety and Health Program*, and supports the implementation of the Y15-95-636PD, *UPF Integrated Safety Management Program Incorporating Worker Safety and Health Program Requirements*.

Consolidated Nuclear Security (CNS) Uranium Processing Facility (UPF) is committed to providing a safe and healthful work environment for our entire staff. In pursuit of this goal, this Exposure Control Plan (ECP) is provided to eliminate or minimize occupational exposure to bloodborne pathogens in accordance with Occupational Safety and Health Administration (OSHA) standard 29 CFR 1910.1030, *Bloodborne Pathogens*.

### 1.1 Purpose

This document is not meant to meet all the elements of an exposure control plan because the medical provider over UPF shall create and maintain the ECP. The purpose is to establish a plan to protect UPF personnel from bloodborne pathogens and other infectious body fluids and ensure compliance with OSHA 1910.1030 Standard. This ECP is reviewed annually to reflect new or revised employee positions with the potential for occupational exposure. This Plan demonstrates UPF compliance with 10 CFR 851 and compliance with OSHA 1910.1030 Standard.

### 1.2 Scope

UPF Project employees will not perform any activities in which there is a potential of occupational exposure to blood or other potentially infectious materials that may result from the performance of the of an employee's routine duties. All potential occupational exposures to blood or other potentially infectious materials interactions will be the responsibility of the UPF Medical Subcontractor.

## 2.0 RESPONSIBILITIES

### 2.1 UPF ES&H Manager

The CNS Environmental, Safety, and Health Manager is responsible for the approval of the UPF Medical Subcontractor ECP.

## 3.0 PROCESS

The ECP is a key document to assist UPF in implementing and ensuring compliance with 29 CFR 1910.1030 Standard, thereby protecting our employees. UPF Medical Subcontractor is responsible for medical waste disposal on the UPF project and is responsible for developing an ECP to cover their scope of work. For the UPF Project, there is no anticipated employee exposure. If a CNS or Bechtel National, Inc., employee is exposed, refer to Y73-135, *Bloodborne Pathogen Program*, and Y78-001, *Occupational Medicine Program*, in accordance with ICD-PM-801768-A011, Appendix N, *Interface Control Document (ICD) for CNS ES&H*, for the following:

- Determination of employee exposure
- Implementation of various methods of exposure control
- Hepatitis B vaccination
- Post-exposure evaluation and follow-up
- Communication of hazards to employees and training

#### **4.0 RECORDS**

None

#### **5.0 REFERENCES**

##### **5.1 Source References**

OSHA 3186-06R 2003, *Model Plans and Programs for the OSHA Bloodborne Pathogens and Hazard Communications Standards*

##### **5.2 Interfacing References**

10 CFR 851, *Worker Safety and Health Program*

29 CFR 1910.1030, *Bloodborne Pathogens*

ICD-PM-801768-A011, Appendix N, *Interface Control Document (ICD) for CNS ES&H*

Y15-95-636PD, *UPF Integrated Safety Management Program Incorporating Worker Safety and Health Program Requirements*

Y73-135, *Bloodborne Pathogen Program*

Y78-001, *Occupational Medicine Program*

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