



# MSU EXPOSURE CONTROL PLAN

OSHA Bloodborne Pathogens Program 29 CFR 1910.1030

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## Policy

Montana State University (MSU) is committed to providing a safe working environment where employees can perform their duties without the risk of injury or illness. In pursuit of this endeavor, the following Exposure Control Plan (ECP) has been established to eliminate or minimize occupational exposure to bloodborne pathogens in alignment with OSHA standard 29 CFR 1910.1030 - Occupational Exposure to Bloodborne Pathogens.

Exposure Control Plan includes:

- Bloodborne Pathogens Program and Exposure Control Plan administration.
- Department responsibilities.
- Determination of employee exposure.
- Implementation of various methods of exposure control, including:
  - Universal precaution.
  - Engineering and work practice controls.
  - Personal Protective Equipment.
  - Housekeeping.
- Hepatitis B vaccination.
- Post-exposure evaluation and follow-up.
- Communication of hazards to employees and training.
- Recordkeeping.
- Procedures for evaluating circumstances surrounding an exposure incident.



The Exposure Control Plan aligns with the requirements of OSHA 1910.1030 and may assist MSU in implementing and complying with this standard.

## Program Administration and Responsibilities

The **MSU Exposure Control Plan** provided by Safety and Risk Management will be reviewed at least annually and updated, as needed by:

- Safety and Risk Management (SRM).
- Environmental Safety and Health (ESH) Committee.

[Safety and Risk Management](#) and the [Biosafety Officer](#) may provide additional assistance to the Department/Designated Department Contact and employees as needed/requested.

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The Department and/or Designated Department Contact will review their **specific Exposure Control Plan** annually and update as needed.

### Department/Designated Department Contact Responsibilities

Department/Designated Department Contact (supervisor, manager, director, and/or principal investigator) is responsible for identifying employees who may have exposure to bloodborne pathogens or Other Potentially Infectious Materials (OPIM), as defined by OSHA standard 1910.1030 while conducting their assigned work activities/job tasks and meeting Exposure Control Plan responsibilities. **To assist Department/Designated Department Contact, Items of Attention are highlighted in yellow throughout this ECP.** Until the Department/Designated Department completes the Items of Attention, your specific Exposure Control Plan is not complete and may not meet requirements of OSHA 1910.1030.

Departments that have employees who are determined to have occupational exposure to blood or OPIM are responsible for reviewing the and completing/executing the ECP specific to their department including the following:

- Maintenance, review, and updating of the ECP specific to their department.
- Reviewing the ECP for their department at least annually, whenever new procedures or tasks are added, and/or if the general scope of work changes.
- Providing personnel with the required personal protective equipment (PPE), engineering controls, labels, and other items required under this plan.
- Ensuring their personnel who have occupational exposure to blood or OPIM adhere to the procedures and work practices outlined in this plan.
- Ensuring that adequate supplies of equipment are available to employees.
- Ensuring that all medical actions required by the standard are performed and that appropriate health and OSHA records are maintained.
- Providing work-specific training, documentation of training, and ensuring that the ECP is available to personnel, Safety and Risk Management, the BSO, OSHA/Department of Labor (DLI), and other regulatory representatives.
- Offering the hepatitis B vaccination to workers with potential for exposure to blood or OPIM before starting work with these materials and maintaining documentation of this offer.

**Item(s) of Attention:** Please list the Designated Department Contact(s), Phone Number(s), and email(s) below.

Department or Laboratory Location	Designated Department Contact	Phone Number		Email

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## Employees

Employees who are determined to have occupational exposure to bloodborne pathogens or OPIM are responsible for following the ECP and established work procedures.

## OSHA Bloodborne Pathogens Definitions

The following definitions are as provided by OSHA in 29 CFR 1910.1030.

1. **Assistant Secretary** means the Assistant Secretary of Labor for Occupational Safety and Health or designated representative.
2. **Blood** means human blood, human blood components, and products made from human blood.
3. **Bloodborne Pathogens** means 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).
4. **Clinical Laboratory** means a workplace where diagnostic or other screening procedures are performed on blood or other potentially infectious materials.
5. **Contaminated** means the presence or the reasonably anticipated presence of blood or other potentially infectious materials on an item or surface.
6. **Contaminated Laundry** means laundry which has been soiled with blood or other potentially infectious materials or may contain sharps.
7. **Contaminated Sharps** means any contaminated object that can penetrate the skin including, but not limited to, needles, scalpels, broken glass, broken capillary tubes, and exposed ends of dental wires.
8. **Decontamination** means the use of physical or chemical means to remove, inactivate, or destroy bloodborne pathogens on a surface or item to the point where they are no longer capable of transmitting infectious particles and the surface or item is rendered safe for handling, use, or disposal.
9. **Director** means the Director of the National Institute for Occupational Safety and Health, U.S. Department of Health and Human Services, or designated representative.
10. **Engineering controls** mean controls (e.g., sharps disposal containers, self-sheathing needles, safer medical devices, such as sharps with engineered sharps injury protections and needleless systems) that isolate or remove the bloodborne pathogens hazard from the workplace.
11. **Exposure Incident** means 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.

12. **Handwashing facilities** means a facility providing an adequate supply of running potable water, soap, and single-use towels or air-drying machines.
13. **Licensed Healthcare Professional** is a person whose legally permitted scope of practice allows him or her to independently perform the activities required by the OSHA Bloodborne Pathogen standard – 29 CFR 1910.1030.
14. **HBV** means hepatitis B virus.
15. **HIV** means human immunodeficiency virus.
16. **Needleless systems** means a device that does not use needles for:
  - a. The collection of bodily fluids or withdrawal of body fluids after initial venous or arterial access is established;
  - b. The administration of medication or fluids; or
  - c. Any other procedure involving the potential for occupational exposure to bloodborne pathogens due to percutaneous injuries from contaminated sharps.
17. **Occupational Exposure** means 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.
18. **Other Potentially Infectious Materials (OPIM)** means:
  - a. The following human body fluids: semen, vaginal secretions, cerebrospinal fluid, synovial fluid, pleural fluid, pericardial fluid, peritoneal fluid, amniotic fluid, saliva in dental procedures, any 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;
  - b. Any unfixed tissue or organ (other than intact skin) from a human (living or dead); and
  - c. HIV-containing cell or tissue cultures, organ cultures, and HIV- or HBV-containing culture medium or other solutions; and blood, organs, or other tissues from experimental animals infected with HIV or HBV.
19. **Parenteral** means piercing mucous membranes or the skin barrier through such events as needlesticks, human bites, cuts, and abrasions.
20. **Personal Protective Equipment** is 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 personal protective equipment.
21. **Production Facility** means a facility engaged in industrial-scale, large-volume or high concentration production of HIV or HBV.
22. **Regulated Waste** means 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.

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23. **Research Laboratory** means a laboratory producing or using research-laboratory-scale amounts of HIV or HBV. Research laboratories may produce high concentrations of HIV or HBV but not in the volume found in production facilities.
24. **Sharps with engineered sharps injury protections** means a non-needle sharp or a needle device used for withdrawing body fluids, accessing a vein or artery, or administering medications or other fluids, with a built-in safety feature or mechanism that effectively reduces the risk of an exposure incident.
25. **Source Individual** means 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.
26. **Sterilize** means the use of a physical or chemical procedure to destroy all microbial life including highly resistant bacterial endospores.
27. **Universal Precautions** is 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.
28. **Work Practice Controls** means controls that reduce the likelihood of exposure by altering the manner in which a task is performed (e.g., prohibiting recapping of needles by a two-handed technique).

## Exposure Risk Determination

The Exposure Risk Determination List is a list of job titles with tasks where there is a reasonable anticipation of exposure to blood and/or OPIM in the course of their MSU job duties.

OSHA defines Occupational Exposure as 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.

*Part-time, temporary, contract, and per diem employees are covered by the standard.*

Research and non-research settings should be considered as applicable:

- **Research settings:** laboratories, animal research, and clinical research.
- **Non-research settings:** facility services, athletics, student health services, campus police, and auxiliary services.

**Item(s) of Attention:** Department/Designated Department Contact please see instructions and examples in Appendix A within the Exposure Risk Determination section.



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Job Title/Classification	Department/Location	Task/Procedure

## Methods of Exposure Control

### Universal Precautions

All persons who fall under this ECP will utilize universal precautions, which is the concept treating all human blood and certain human body fluids as if known to be infectious for HIV, HBV, and other bloodborne pathogens.

### Exposure Control Plan

The ECP outlines measures for evaluating potential exposure to blood and OPIM, as well as methods of eliminating or reducing the risk of exposure.

Persons covered by the OSHA bloodborne pathogen standard receive an explanation of the ECP during their initial training. Controls outlined within this plan will also be reviewed in the annual refresher training.

All persons can review this plan at any time during their work shifts by contacting their Designated Department Contact. A printed copy of the ECP is available, without charge, within 15 days of request through Designated Department Contact. Additional assistance may be requested through Safety and Risk Management (non-research settings) and/or the BSO (research settings).

### Engineering Controls and Work Practices

An engineering control is any equipment or structure that is used to aid staff in preventing exposure to blood or other potentially infectious materials. Work practices may also be used to reduce exposure by modifying how employees' complete tasks. Please also see OSHA Definitions.

Examples of these controls include:

- Handwashing facilities which are readily accessible to employees.
- When handwashing facilities is not feasible, either an appropriate antiseptic hand cleanser in conjunction with clean cloth/paper towels or antiseptic towelettes are

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provided. When antiseptic hand cleansers or towelettes are used, hands will be washed with soap and running water as soon as feasible.

- Employees wash their hands immediately or as soon as feasible after removal of gloves or other personal protective equipment, before leaving the work area, and at the end of their workday.
- Employees wash hands and any other skin with soap and water, or flush mucous membranes with water immediately or as soon as feasible following contact of such body areas with blood or other potentially infectious materials.
- Contaminated needles and other contaminated sharps are not bent, sheared, or recapped.
- Sharps are only disposed of in a closeable, hard-walled, puncture-resistant, and labeled sharps container.
- Eating, drinking, smoking, applying cosmetics or lip balm, and handling contact lenses are prohibited in work areas where there is a reasonable likelihood of occupational exposure.
- Food and drink are not kept in refrigerators, freezers, shelves, cabinets, or on countertops or benchtops where blood or other potentially infectious materials may be present.
- All procedures involving blood or other potentially infectious materials are performed in such a manner as to minimize splashing, spraying, spattering, and generation of droplets of these substances.
- Mouth pipetting/suctioning of blood or other potentially infectious materials is prohibited.
- Mechanical means are used for handling potentially blood-contaminated/OPIM contaminated broken glass and/or sharps (such as forceps, tongs, or a broom and dustpan).
- Contaminated items or equipment used to store, transport, or process blood/OPIM is labeled with a biohazard label – see Labels section of ECP.
- Surfaces and equipment are decontaminated with an appropriate disinfectant and the disinfectant type/procedure is recorded in the Exposure Control Items and Work Practices List), minimally at the end of the workday and whenever contamination is obvious.
- Decontaminate surfaces and equipment with an appropriate disinfectant (record disinfectant type and procedure in Exposure Control Items and Work Practices List), minimally at the end of the workday and whenever contamination is obvious.
- Equipment or locations which may be reasonably anticipated to be contaminated with blood/OPIM are cleaned and decontaminated before servicing with documentation is available upon request.
- The practice of Universal Precautions as defined by OSHA is utilized – see OSHA Definitions section.

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### Exposure Control Item and Work Practice List

Name the item or work practice you will use to minimize your chances of exposure to blood and OPIM. Identify specific equipment or practices to reduce exposure based on the task listed in the Exposure Risk Determination List.

HIV and HBV research laboratories have additional controls required under OSHA BBP standard (1910.1030(e)(3)).

**Item(s) of Attention:** Department/Designated Department Contact, please see instructions and examples in Appendix A within the **Exposure Control Item and Work Practice List** section.

Item/Practice	Description

### Personal Protective Equipment

Personal Protective Equipment is the last layer of protection from exposure to blood or OPIM. The Department/Designated Department Contact is responsible for ensuring PPE is appropriate for reducing the risk of exposure, purchased, available for use during the work shift, and replaced as needed.

The Department/Designated Department Contact is responsible for ensuring employees using PPE are familiar with and observe the precautions below.

- Remove and replace PPE after it becomes contaminated and remove it completely before leaving the work area.
- All used, disposable PPE that is contaminated or potentially contaminated is placed in the appropriate biowaste containers.
- Wear gloves when there may be hand contact with blood and/or OPIM or contaminated items/surfaces.
- Replace gloves if they are torn, punctured, or contaminated, or if their ability to function as a barrier is compromised.
- Never wash or decontaminate disposable PPE for reuse.
- Wear appropriate face and eye protection when procedures may generate splashes, sprays, spatters, or droplets of blood and/or OPIM.
- Remove any garments that have been contaminated with blood and/or OPIM as soon as possible.

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- **Reusable** PPE, such as protective eyewear or face shields, are wiped down with an appropriate disinfectant following use.
- Reusable cloth PPE will follow the ECP Laundering section.
- Wash hands as soon as possible after removing gloves and other PPE.

## PPE to be Used and Associated Task List

**Item(s) of Attention:** Department/Designated Department Contact, please see instructions and examples in Appendix A within the **PPE to be Used and Associated Task List** section.

PPE to be Used	Associated Tasks

### Housekeeping

#### Regulated Waste

Regulated waste is placed in containers that are: closable, constructed to contain all contents and prevent leakage, appropriately labeled or color-coded, and closed before removal to prevent spillage or protrusion of contents during handling.

#### Sharps

Needles, scaffolds, lancets, slides, coverslips, glass pipettes, capillary tubes, broken glass, or similar sharp material potentially contaminated with blood and/or OPIM are collected in appropriately labeled, closeable, hard-walled, and puncture-resistant containers.



#### Waste Containers

Waste containers are conveniently located near the areas where work is being performed. If your job only sporadically involves potential contact with blood and/or OPIM, you may need to request these containers. Please visit the Safety and Risk Management website [Hazardous Waste](#) section for additional information on:

- Regulated waste.
- Sharps.
- Waste container/to request waste containers.
- To request a waste assessment and/or to request a waste pickup.

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Safety and Risk Management is notified if regulated waste containers, refrigerators containing blood or OPIM, contaminated equipment, or other potentially contaminated/unknown materials are discovered on campus by submitting a Safety Concern Form.

## Laundering

If reusable/cloth PPE is used when working with BBP/OPIM:

- Laundering service will be done by trained personnel – on or off campus.
- All contaminated laundry is handled as little as possible with minimal agitation and placed in appropriately labeled, leak-proof containers before transporting for laundering.
- Appropriate PPE is used when handling and/or sorting contaminated laundry.

**Item(s) of Attention:** Department/Designated Department Contact, please indicate the contact information for any laundering of BBP and/or OPIM contaminated reusable PPE.

If no reusable PPE is utilized, please indicate this instead of providing laundering contact information.



Laundering Service facility/phone/contact information:

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## Labels & Signs

Warning labels are affixed to containers of regulated waste, refrigerators and freezers containing blood/OPIM and other containers used to store, transport, or ship blood/OPIM.

- Labels and signs may be fluorescent orange or orange-red or predominantly with lettering and symbols in a contrasting color.
- Labels will be affixed as close as feasible to the container by string, wire, adhesive, or other method that prevents their loss or unintentional removal.
- Red bags or red containers may be substituted for labels.
- Signs are posted at access doors when blood/OPIM or infected animals are present in the work area or containment module.
- Signs include:
  - Name of infections agent.

- Special requirements for entering the area.
- Name and telephone number of the Department/Designated Department Contact or other responsible person.

## Hepatitis B Vaccination

Information on the hepatitis B vaccine, including information on its efficacy, safety, method of administration, the benefits of being vaccinated, and that the vaccine/vaccination are offered free of charge is provided to all employees.

Vaccination is encouraged unless:

- Documentation is provided that the person has previously received the series.
- Antibody testing reveals the person is immune.
- Medical evaluation shows that vaccination is contraindicated.

Department/Designated Department Contact is responsible for ensuring documentation that the employees identified in the Exposure Risk Determination section of the ECP are offered the Hepatitis B vaccination. If an employee chooses to decline the Hepatitis B vaccination, a documented Hepatitis B declination form is required.

To support MSU departments and employees, MSU contracts with Bridger Occupational Health (BOH) as a preferred Licensed Healthcare Provider (LHP). BOH also offers an online Hepatitis B declination form – submitted forms go to BOH. When BOH is used for MSU occupational health needs, BOH maintains all employee medical records and declination forms.

As an additional resource, a **sample** BBP Acknowledgment Form is provided in Appendix B which may be used by the Department/Designated Department Contact as additional documentation related to OSHA Bloodborne Pathogens – it does not take the place of a Hepatitis B declination form or other medical records. A copy of completed BBP Acknowledgment Forms may be kept by the Department/Designated Department Contact in accordance with applicable standards and MSU record retention policies.

If there is a question of immunity, the employee may request antibody testing with the Licensed Health Provider (LHP) to determine the need for vaccination.

Employees who initially decline may request and obtain the vaccination at a later date.

## Post- Exposure and Follow-Up

For serious or life-threatening emergencies, call 911. For other exposure events, conduct initial first aid (clean the wound, flush eyes, or other mucous membranes, etc.) and report the event to your Designated Department Contact.

Department/Designated Department Contact may work with BOH, Safety and Risk Management, and the BSO to ensure the following:

- Routes of exposure and how exposure occurred are documented.
- Identify and document the source individual (unless the employer can establish that identification is infeasible or prohibited by state or local law).
- Obtain consent and ensure the source individual is tested as soon as possible to determine HIV, HCV, and HBV infectivity; document that the source individual's test results were conveyed to the employee's health care provider.
- If the source individuals are already known to be HIV, HCV, and HBV positive, new testing need not be performed.
- Assure that the exposed employee is provided with the source individual's test results with information about applicable disclosure laws and regulations concerning the identity and infectious status of source individuals (e.g., laws protecting confidentiality).
- After obtaining consent, collect the exposed employee's blood as soon as feasible after the exposure incident, and test blood for HBV and HIV serological status.
- If the employee does not give consent for HIV serological testing during the collection of blood for baseline testing, preserve the baseline blood sample for at least 90 days; if the exposed employee elects to have the baseline sample tested during this waiting period, perform testing as soon as feasible.

MSU contracts with BOH to provide LHP/occupational health services. Medical attention may be obtained as indicated below.

- **During normal business hours (Mon – Fri, 8 am to 6pm)** at Bridger West Occupational Health - Occupational Health & Urgent Care at 3400 Laramie Dr., Bozeman, MT.
- **After hours or emergency** at Bozeman Deaconess Hospital - Emergency Room at 915 Highland Blvd., Bozeman, MT.

Additional contact information for Bridger Occupational Health may be found on the [MSU Safety and Risk Management](#) page in the Occupational Health & Safety Section.

## Administration of Post-Exposure Evaluation & Follow-up

Safety and Risk Management provides a copy of the OSHA Bloodborne Pathogens Standard, to BOH annually and when updates are made. BOH is responsible to adhere to the OSHA Bloodborne Pathogen Standard in administering MSU occupational health services related to BBP/Hepatitis B.

The Designated Department Contact ensures that the Licensed Healthcare Provider evaluating an employee after an exposure incident receives the following:

- A description of the employee's job duties relevant to the exposure incident.
- Description of routes of exposure.
- Circumstances of the exposure.

The Licensed Healthcare Provider provides the employee with a copy of their written opinion within 15 days after completion of the evaluation.

## Post Exposure Incident Procedures

- The Designated Department Contact will provide the following information to Safety and Risk Management and the BSO to review the circumstances of the exposure incident:
  - Engineering controls that were in use at the time.
  - Work practices followed.
  - A description of the device being used (including type and brand).
  - Protective equipment or clothing that was used at the time of the exposure incident (gloves, eye protection, face shields etc.)
  - Location of the incident.
  - The procedure that was being performed when the incident occurred.
  - Employee's training documentation.
- Safety and Risk Management records percutaneous injuries from contaminated Sharps in the Sharps Injury Log.
- The Department/Designated Department Contact will ensure that appropriate changes are made to their ECP as determined (changes may include evaluation of safer devices, adding employees to the exposure determination list, etc.).

## Employee Training

Department/Designated department contact is responsible to ensure employees who have occupational exposure to bloodborne pathogens receive bloodborne pathogens training. Training may be provided by Safety and Risk Management, BSO, or other OSHA compliant method.



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All employees who have occupational exposure to bloodborne pathogens receive training on the epidemiology, symptoms, and transmission of bloodborne pathogen diseases. In addition, the training program covers at a minimum the following elements:

- A copy and explanation of the standard.
- An explanation of the ECP and how to obtain a copy.
- An explanation of methods to recognize tasks and other activities that may involve exposure to blood and OPIM, including what constitutes an exposure incident.
- An explanation of the use and limitations of engineering controls, work practices, and PPE which includes an explanation of the types, uses, locations, removal, handling, decontamination, and disposal of PPE.
- An explanation of the basis for PPE selection.
- Information on the hepatitis B vaccine including information on its efficacy, safety, method of administration, benefits of being vaccinated, and that the vaccine will be offered free of charge.
- Information on the appropriate actions to take/person to contact in an emergency involving blood and OPIM.
- An explanation of the procedure to follow if an exposure incident occurs including the method of reporting the incident and the medical follow-up that will be made available.
- Information on the post-exposure evaluation and follow-up that the employer is required to provide for the employee following an exposure incident.
- An explanation of the signs and labels and or color coding required by the standard and what is used at MSU.
- An opportunity for interactive questions and answers with the person conducting the training is provided and/or may be provided upon request with Safety and Risk Management or the BSO.

## Recordkeeping

All records are maintained in alignment with the OSHA BBP standard and MSU's record retention policies.

- The Department/Designated Department Contact maintains the training records for their employees.
- HBV declination records are maintained by BOH when completed online or in-person through Bridger Occupational Health.
- Medical records are maintained with Licensed Health Provider (LHP)/BOH and are kept confidential. Medical records may include:
  - HBV vaccination records and other records relevant to the individual's immunization status.
  - Results of any post-exposure evaluations examinations medical testing or follow-up procedures.

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- The LHP/BOH may provide information related to medical surveillance to Safety and Risk Management and/or the BSO. Safety and Risk Management and/or the BSO may assist the Department/Designated Department Contact.
- All injuries from contaminated sharps are recorded in the Sharp Injury Log.

## Annual Plan Review Log

Department/Designated Department Contact has reviewed and updated, if necessary, their ECP as documented below.

Name of Reviewer	Signature of Reviewer	Date of Review/Update

## Appendix A: Exposure Control Plan Instructions

In addition to reading through MSU ECP, there are parts that you are responsible for completing specific to your area or department. This appendix explains how to complete those sections if you have questions when completing your ECP please contact Safety and Risk Management for non-research environments and the BSO for research environments.

### Plan Administration Instructions

Within the Plan Administration section, indicate who will serve as the responsible person (Designated Department Contact) to manage the implementation and review of the ECP. This should be a person with authority to make changes to work processes and PPE. For laboratories, this may be the BSO or Principal Investigator. For other departments, it may be anyone from a manager to the director.

### Exposure Determination List Instructions

Within the Exposure Risk Determination List, indicate the Jobs/Positions Titles of employees who may be exposed to blood or OPIM as part of their work-related duties.

Job Title/Classification	Department/Location	Tasks/Procedures Performed
Example 1: Nurse	Student Health Services	Drawing blood, handling patient samples, first aid
Example 2: Researcher	Research/Laboratory	Human cell culture, spinning down human blood
Example 3: Plumber	Facilities Services	Repairing sewage systems, clearing clogs
Example 4: Custodian	Facilities Services	Cleaning biohazardous spills, contaminated waste
Example 5: Trainer	Athletics	First aid, treating sports injuries

### Exposure Control Item and Work Practice List instructions

Within the Exposure Control Item and Work Practice List section, indicate the item and/or work practice you will use to minimize your chances of exposure to blood and OPIM.

Item/Practice	Description
Example 1: Tongs	Used to pick up broken biologically contaminated glass
Example 2: Retractable Needle	Used for administering vaccines (needle retracts into the syringe after administration, decreasing the risk of needle sticks)

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Example 3: Biosafety Cabinet	Used to protect against biological aerosols/droplets when culturing human cells and BBPs
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## PPE to be Used and Associated Task List Instructions

Within the PPE to be Used and Associated Task List, indicate the types of PPE you will offer to reduce the risk of exposure. If laundry services are needed for reusable PPE, record the information.

## Laundering

**Vendor Service or location of onsite laundering facility name sample:**

Generic Laundry Service

**Laundering service phone/contact information sample:**

406-555-1233

If you have completed a PPE assessment in another aspect of your job, you may reference it here, including any additional PPE that may fall outside of that previous assessment and pertaining to BBP protection.

PPE to be used	Associated Tasks
Example 1: See the PPE assessment posted in X location	
Example 2: Goggles	Cleaning up large spills of blood or OPIM (e.g., human cell cultures)

## HBV Vaccination Instructions

Indicate the location of HBV vaccination forms – typically the Designated Department Contact. For Facilities Services personnel this may be the Supervisor or Foreman/Work Manager. For laboratories this may be the BSO or Principal Investigator.

## Recordkeeping Instructions

After completing all other sections of the ECP the same person listed in the plan administration will sign and date the ECP in the recordkeeping section.

This person or their designee completes and documents the yearly review of this plan. An annual review log is included in the recordkeeping section.

## Appendix B: Sample BBP Acknowledgement Form

☐ I understand in the course and scope of my job/job tasks at Montana State University, I may encounter potential Bloodborne Pathogens or Other Potentially Infectious Materials (OPIM) covered under the OSHA Bloodborne Pathogens Standard (29 CFR 1910.1030), and have been provided a copy of the standard – also available here: [OSHA 1910.1030 Bloodborne Pathogens Standard](#).

☐ I have received Bloodborne Pathogens training that aligns with OSHA's Bloodborne Pathogens Standard (29 CFR 1910.1030) and have been provided the OSHA Bloodborne Pathogens Fact Sheet - also available here: [OSHA Bloodborne Pathogens Fact Sheet](#).

☐ I have been offered Hepatitis B Vaccination at no cost to me as required by the OSHA Bloodborne Pathogens Standard (29 CFR 1910.1030).

☐ I understand that I may be asked to provide vaccination or other information to medical professionals related to Hepatitis B vaccination should I choose to demonstrate that I have already received Hepatitis B vaccination or to establish immunity status.

☐ I understand the risks associated with Bloodborne Pathogens and that I have the right to refuse vaccination with the completion of the Hepatitis B declination form.

☐ I understand that if I decline Hepatitis B vaccination, I may decide to request Hepatitis B vaccination at any time during my Montana State University employment while my job/job tasks are covered under the OSHA Bloodborne Pathogens Standard.

☐ I understand the process and contact(s) should I have questions or concerns related to Bloodborne Pathogens, Personal Protective Equipment, or other safety items.

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Employee Name (Printed)

Employee (Signature)

Date

## Appendix C: Sample OSHA Hepatitis B Declination Form

- I understand that due to my occupational exposure to blood or other potentially infectious materials I may be at risk of acquiring hepatitis B virus (HBV) infection.
- I have been given the opportunity to be vaccinated with hepatitis B vaccine, at no charge to myself.
- However, I decline hepatitis B vaccination at this time.
- I understand that by declining this vaccine, I continue to be at risk of acquiring hepatitis B, a serious disease.
- If in the future I continue to have occupational exposure to blood or other potentially infectious materials and I want to be vaccinated with hepatitis B vaccine, I can receive the vaccination series at no charge to me.

Employee Name (Printed): \_\_\_\_\_

Employee Net ID: \_\_\_\_\_ Date: \_\_\_\_\_

Employee Signature: \_\_\_\_\_

Designated Department Contact Name: \_\_\_\_\_

Designated Department Contact Signature: \_\_\_\_\_

Date: \_\_\_\_\_

## Appendix D: Sample Training Checklist

The Occupational Safety and Health Administration's (OSHA) Bloodborne Pathogen regulation (29CFR1910.1030) was developed for employers who have employees with occupational exposures to blood and other potentially infectious materials (OPIM). The regulation requires an employer to have an exposure control program to protect and educate employees in the health hazards of bloodborne pathogens such as hepatitis B (HBV) and acquired immunodeficiency syndrome (HIV). The following sample checklist provides elements that must be covered in a bloodborne pathogens program.

### Exposure Control Plan

Item	Yes	No	N/A
Has an exposure determination been done to identify if workers have job duties that may expose them to body fluids or blood with the potential of containing bloodborne pathogens?			
If workers do have the potential for exposure, is a written exposure control program in place?			
Does the exposure control plan list job classifications in which all employees have occupational exposure to bloodborne pathogens?			
Does the exposure control plan list job classifications in which some of the employees have occupational exposure?			
Is a copy of the program available to all employees?			
Is the program reviewed annually and revised as necessary?			
Does the plan provide a list of tasks and procedures in which occupational exposure may occur and that are performed by the listed employees?			
Is the exposure determination made without regard to the use of personal protective equipment?			
Have the employees with potential exposures been provided with the necessary information?			
Is a documentation method in place for reporting, investigation, and follow-up of exposure incidents?			
Are engineering and work practice controls examined, maintained, and replaced on a regular schedule?			
Is Hepatitis B vaccine available to workers at risk of exposure?			
Is a declination form signed by employees who do not wish to receive the Hepatitis B vaccination?			



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## Eliminating Exposure Risk

Item	Yes	No	N/A
Are potentially infectious materials collected, stored appropriately labeled and disposed properly?			
Is a sharps container provided that is properly labeled, puncture resistant and leak proof?			
Is a procedure in place to ensure that contaminated equipment and surfaces are decontaminated?			
Are hand washing facilities available for employees who may become exposed?			
Are food and drinks stored in refrigerators that are used to store blood or OPIM?			

## Personal Protective Equipment

Item	Yes	No	N/A
Is PPE chosen based on the anticipated exposure risk?			
Is the PPE available, used and replaced as necessary?			
Is there a procedure in place for cleaning, laundering, or disposing of contaminated PPE?			
Are gloves other than latex provided?			
Have provisions been made for the handling of contaminated laundry?			

## Employee Training

Item	Yes	No	N/A
Is the person conducting the bloodborne pathogens training knowledgeable about the standard with the experience to answer questions?			
Is all training provided at no cost to employees during regular working hours?			
Is training provided at the time of initial assignment to any task with occupational exposure?			
Is the training conducted at least annually?			
Are the language and content of the training appropriate to the employees' education level and literacy?			

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## Employee Training Continued

Item	Yes	No	N/A
Are the epidemiology and symptoms of bloodborne disease and modes of transmission provided clearly to employees?			
Does the training include the decontamination methods?			
Are employees aware of ways to recognize tasks or activities that may involve the risk of exposure?			
Does employee training include knowing what is and is not regulated waste, how to label and dispose of regulated waste?			
Are employees trained in the proper use of PPE?			
Are the exposure control plan and universal precautions thoroughly explained to the employees?			

## Recordkeeping

Item	Yes	No	N/A
Are training records maintained, including dates of training and summaries of the training program?			
Are the names and job titles of the persons being trained clearly documented?			
Are employee medical records kept in a confidential file?			
Are employee medical records kept for 30 years after the end of employment?			
Are medical records and or training records available for copying to employees and employee representatives?			
Is a copy of the OSHA regulation available to employees upon request?			

Note: This checklist may be used as a tool to assist in determining if the basic requirements of a bloodborne pathogen are in effect. The checklist is not all inclusive. OSHA Standard, 29 CFR 1910.1030, provides requirements for procedures and practices to protect employees from the potential hazards of exposure to bloodborne pathogen containing materials and should be used as a reference for additional information. The [OSHA website](#), is an excellent resource for all occupational related safety and health requirements.

## Appendix E: Additional Resources

1. [MSU Safety and Risk Management](#)
  - a. [Workplace Injury](#)
  - b. [Hazardous Waste](#)
  - c. [Waste Pickup \(including Sharps\)](#)
2. [OSHA Bloodborne Pathogens Standard](#)
3. [Bloodborne Pathogens and Needle Stick Prevention](#)
4. [OSHA Quick Reference Guide to the Bloodborne Pathogens Standard](#)
5. [OSHA fact sheet; includes the training elements](#)
6. [OSHA Personal Protective Equipment](#)
7. OSHA BBP Training (offered to provide some potential/no cost options you may consider).
  - a. [OSHA PPT](#).
  - b. [CDC Fundamentals of Bloodborne Pathogens](#). It does requires setting up a One Lab account; however, they also offer a variety of other training you may find useful: [Reach CDC Training](#).
  - c. [OSHA Quick Reference Guide/FAQs to the Bloodborne Pathogens Standard](#)
  - d. Research may request BBP training with the BSO.
  - e. Non-research may request training with Safety and Risk Management.