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Personal Protective Equipment Assessment Certification Form

PURPOSE: This document must be completed by the Principal Investigator (PI), Lab Manager, Supervisor, or their designee. This person must conduct a PPE assessment that is specific to operations in their laboratory space(s) / work area(s) / task. EH&S personnel are available to assist with the PPE assessment and can review the form. The PPE Assessment form can be used to determine the required PPE by identifying hazards to the employees performing the task and the required PPE.

Instructions:

1) Conduct a PPE Assessment initially, when tasks or conditions change, or when PPE is deemed ineffective.
2) Perform a walkthrough of the work area and task or job to be performed. Identify hazards that the employee may be exposed to while performing work activities or while present in the work area.
3) Check appropriate box of the hazards that are present, if not listed write in “Other____”.
4) Decide how you are going to control / eliminate the hazards. Try considering engineering, workplace and/or administrative controls before resorting to using PPE. If the hazards cannot be eliminated or controlled without the use of PPE then indicate which type of PPE will be required to protect the employee from the hazard.
    a. PPE alone should not be relied on to provide protection against hazards but should be used in conjunction with guards, engineering controls and good operating practices.
    b. When selecting PPE select the most protective type available.
    c. The supervisor shall fit the worker with the PPE and give instructions on its use and care.
    d. The supervisor shall also ensure the employee understands the manufacturer’s warning labels and provide training on the limitations of the PPE.
5) Document and certify the PPE Assessment and maintain documentation for reference and employee training.

Glove considerations: Chemical Resistance, Liquid/leak resistance, Temperature resistance, Abrasion/Cut resistance, Slip resistance, Permeation rate, Anti-vibration.

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PPE Assessment Certification Form

KSU Building(s) & Room(s): DYKSTRA ROOM 101
Department/Unit: ENVIRONMENTAL HEALTH AND SAFETY
Workplace address: 135 DYKSTRA HALL, 1628 CLAFLIN RD, MANHATTA
Job/Task(s): LAB TECHNICIAN

Assessment conducted by: WILDCAT WILLIE SUPERVISOR
Date of assessment: 02/16/2024
Manager: WILDCAT WILLIE LAB MANAGER / PI

(This form may not include all exposures or solutions suitable to your work, research, and document accordingly. Use a separate sheet for each job/task or work area)

EYES

Work activities, such as:
- ☐ Abrasive blasting
- ☐ Chopping
- ☐ Cutting
- ☐ Drilling
- ☐ Welding
- ☐ Soldering
- ☐ Torch brazing
- ☐ Working outdoors
- ☐ Computer work
- ☐ Punch press operations
- ☐ Sanding
- ☐ Sawing
- ☐ Grinding
- ☐ Hammering
- ☐ Chipping
- ☑ Other potentially hazardous activities:

WORKING WITH CHEMICALS AND BLOOD / FLUIDS, CLASS 3 LASERS

Work-related exposure to:
- ☐ Airborne dust
- ☐ Dirt
- ☐ UV
- ☐ Flying particles/objects
- ☑ Blood splashes
- ☑ Hazardous liquid chemicals mists
- ☑ Chemical splashes
- ☐ Molten metal splashes
- ☐ Glare/high intensity lights
- ☑ Laser operations
- ☐ Hot sparks
- ☐ Other potentially hazardous exposure:

Can hazard be eliminated without the use of PPE?
Yes ☐ No ☑

If yes, identify engineering, elimination, or substitution controls:

If no, use:
- ☑ Safety glasses
- ☑ Safety goggles
- ☐ Dust-tight goggles
- ☐ Impact goggles
- ☐ Welding helmet/shield
- ☐ Chemical goggles
- ☐ Chemical splash goggles
- ☑ Laser goggles
- ☐ Shading/Filter (#_____)
- ☐ Welding shield
- ☐ Other available PPE options:

With:
- ☐ Side shields
- ☐ Face shield
- ☐ Shaded
- ☐ Prescription

FACE

Work activities, such as:
- ☐ Cleaning
- ☐ Cooking
- ☐ Siphoning
- ☐ Painting
- ☐ Dip tank operations
- ☐ Pouring
- ☐ Foundry work
- ☐ Welding
- ☐ Mixing
- ☐ Pouring molten metal
- ☐ Working outdoors
- ☐ Other potentially hazardous activities:

Work-related exposure to:
- ☐ Hazardous liquid chemicals
- ☐ Extreme heat
- ☐ Extreme cold
- ☐ Potential irritants
- ☐ Other potentially hazardous exposure:

Can hazard be eliminated without the use of PPE?
Yes ☐ No ☐

If yes, identify engineering, elimination, or substitution controls:

If no, use:
- ☐ Face shield
- ☐ Shading/Filter (#_____)
- ☐ Welding shield
- ☐ Other available PPE options:

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HEAD

Work activities, such as:
- ☐ Building maintenance
- ☐ Confined space operations
- ☐ Construction
- ☐ Electrical wiring
- ☐ Walking/working under catwalks
- ☐ Walking/working on catwalks
- ☐ Walking/working under conveyor belts
- ☐ Working with/around conveyor belts
- ☐ Walking/working under crane loads
- ☐ Utility work
- ☐ Other potentially hazardous activities:

Work-related exposure to:
- ☐ Beams
- ☐ Pipes
- ☐ Exposed electrical wiring or components
- ☐ Falling objects
- ☐ Fixed object
- ☐ Machine parts
- ☐ Other potentially hazardous exposure:

Can hazard be eliminated without the use of PPE?
Yes ☐ No ☐

If yes, identify engineering, elimination, or substitution controls:

If no, use:
- ☐ Protective Helmet
  - ☐ Class G (general)
  - ☐ Type E (electrical)
  - ☐ Type C (conductive)
  - ☐ Bump cap (not ANSI-approved)
- ☐ Hair net or soft cap
- ☐ Other available PPE options:

HANDS/ARMS

Work activities, such as:
- ☐ Baking
- ☐ Cooking
- ☐ Grinding
- ☐ Welding
- ☑ Working with glass
- ☐ Using computers
- ☐ Using knives
- ☐ Dental and health care services
- ☐ Garbage disposal
- ☐ Computer work
- ☐ Material handling
- ☐ Sanding
- ☐ Sawing
- ☐ Hammering
- ☐ Using power tools
- ☐ Working outdoors
- ☑ Other potentially hazardous activities:

CHEMICAL AND BIOLOGICAL HAZARDS

Work-related exposure to:
- ☑ Blood
- ☑ Irritating chemicals
- ☐ Tools or materials that could scrape, bruise, or cut
- ☐ Extreme heat
- ☐ Extreme cold
- ☐ Animal bites
- ☐ Electric shock
- ☐ Vibration
- ☐ Musculoskeletal disorders
- ☐ Sharps injury
- ☐ Radiation
- ☐ Other potentially hazardous exposure:

Can hazard be eliminated without the use of PPE?
Yes ☐ No ☑

If yes, identify engineering, elimination, or substitution controls:

If no, use:
- ☑ Gloves
  - ☑ Latex
  - ☐ Nitrile
  - ☐ Neoprene
  - ☐ PVC (polyvinylchloride)
  - ☐ PVA (polyvinylalcohol)
  - ☐ Natural Rubber
  - ☐ Butyl
  - ☐ Viton

Other glove type(s):_____
- ☐ Protective sleeves
- ☐ Ergonomic equipment_____
- ☐ Other available PPE options:

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FEET/LEGS

Work activities, such as:
- ☐ Building maintenance
- ☐ Construction
- ☐ Demolition
- ☐ Food processing
- ☐ Foundry work
- ☐ Working outdoors
- ☐ Logging/tree work
- ☐ Plumbing
- ☐ Trenching
- ☐ Use of highly flammable (<90°F) materials
- ☐ Welding
- ☑ Other potentially hazardous activities:

CHEMICAL AND BIOLOGICAL HANDLING

Work-related exposure to:
- ☐ explosive atmospheres
- ☐ Explosives
- ☐ Exposed electrical wiring or components
- ☐ Heavy equipment
- ☐ Slippery surfaces
- ☐ Impact from objects
- ☐ Pinch points
- ☐ Crushing
- ☐ Slippery/wet surface
- ☐ Cutting/laceration injury
- ☑ Blood/sharps/biohazard
- ☑ Chemical splash
- ☐ Chemical penetration
- ☐ Extreme heat/cold
- ☐ Fall
- ☐ Other potentially hazardous exposures:

Can hazard be eliminated without the use of PPE?
Yes ☐ No ☑

If yes, identify engineering, elimination, or substitution controls:

If no, use:
- ☑ Safety shoes or boots
  - ☐ Toe protection
  - ☐ Electrical protection
  - ☐ Puncture resistance
  - ☐ Anti-slip soles
  - ☐ Metatarsal protection
  - ☐ Heat/cold protection
  - ☐ Chemical resistance
- ☐ Leggings or chaps
- ☐ Foot-Leg guards
- ☐ Other available PPE options:

BODY/SKIN

Work activities such as:
- ☐ Baking or frying
- ☐ Battery charging
- ☐ Dip tank operations
- ☐ Fiberglass installation
- ☐ Sawing
- ☑ Other potentially hazardous activities:

CHEMICAL AND BIOLOGICAL HANDLING

Work-related exposure to:
- ☑ Chemical splashes
- ☐ Extreme heat
- ☐ Extreme cold
- ☐ Sharp or rough edges
- ☑ Irritating chemicals
- ☐ Radiation
- ☑ Other potentially hazardous exposures:

BLOODBORNE PATHOGEN EXPOSURE

Can hazard be eliminated without the use of PPE?
Yes ☐ No ☑

If yes, identify engineering, elimination, or substitution controls:

If no, use:
- ☑ Vest, Jacket
- ☐ Coveralls, Body suit
- ☐ Raingear
- ☐ Apron
- ☐ Welding leathers
- ☐ Abrasion/cut resistance
- ☐ Other available PPE options:

With:
- ☐ Long sleeves

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BODY/WHOLE

Work activities such as:
- ☐ Building maintenance
- ☐ Construction
- ☐ Logging/tree work
- ☐ Computer work
- ☐ Working outdoors
- ☐ Utility work
- ☐ Other potentially hazardous activities: _____

Work-related exposure to:
- ☐ Working from heights of 4 feet, or more
- ☐ Impact from flying objects
- ☐ Impact from moving vehicles
- ☐ Cutting/laceration injury
- ☐ Blood/sharps/biohazard
- ☐ Electrical/static discharge
- ☐ Hot metal
- ☐ Musculoskeletal disorders
- ☐ Sparks
- ☐ Chemicals
- ☐ Extreme heat/cold
- ☐ Working near water
- ☐ Injury from slip/trip/fall
- ☐ Radiation
- ☐ Other potentially hazardous exposures: _____

Can hazard be eliminated without the use of PPE?
Yes ☐ No ☐
If yes, identify engineering, elimination, or substitution controls:
_____

If no, use:
- ☐ Fall Arrest/Restraint
- ☐ Traffic vest
- ☐ Static coats/overalls
- ☐ Flame resistant jacket/pants
- ☐ Insulated jacket
- ☐ Cut resistant sleeves/wristlets
- ☐ Hoists/lifts
- ☐ Ergonomic equipment: _____
- ☐ Other available PPE options: _____

With:
- ☐ Hood
- ☐ Full sleeves

LUNGS/RESPIRATORY

Work activities such as:
- ☐ Cleaning
- ☐ Mixing
- ☐ Painting
- ☐ Fiberglass installation
- ☐ Compressed air or gas operations
- ☐ Confined space work
- ☐ Floor installation
- ☐ Ceiling repair
- ☐ Working outdoors
- ☐ Other potentially hazardous activities: _____
- ☐ pouring
- ☐ sawing

Work-related exposure to:
- ☐ Dust or particulate
- ☐ Toxic gas/vapor
- ☐ Chemical irritants (acids)
- ☐ Welding fume
- ☐ Asbestos
- ☐ Pesticides
- ☐ Organic vapors
- ☐ Oxygen deficient environment
- ☐ Paint spray
- ☐ Extreme heat/cold
- ☐ Other potentially hazardous exposures: _____

Can hazard be eliminated without the use of PPE?
Yes ☐ No ☐

If yes, identify engineering, elimination, or substitution controls:
_____

If no, use:
- ☐ Dust mask
- ☐ Disposable particulate respirator
- ☐ Replaceable filter particulate w/cartridge
- ☐ PAPR (air recycle)
- ☐ SARS (supplied air)
- ☐ Other available PPE options: _____

With/Type:
- ☐ Face shield
- ☐ Acid/gas cartridge
- ☐ Organic cartridge
- ☐ Pesticide cartridge
- ☐ Spray paint crtdg
- ☐ Half faced
- ☐ Full faced
- ☐ Hooded

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EARS/HEARING		
Work activities such as: ☐ Generator ☐ Ventilation fans ☐ Motors ☐ Sanding ☐ Pneumatic equipment ☐ Punch or brake presses ☐ Use of conveyors ☐ Other potentially hazardous activities: ☐ Grinding ☐ Machining ☐ Routers ☐ sawing ☐ sparks	Work-related exposure to: ☐ Loud noises ☐ Loud work environment ☐ Noisy machines/tools ☐ Punch or brake presses ☐ Other potentially hazardous exposures: _____	Can hazard be eliminated without the use of PPE? Yes ☐ No ☐ If yes, identify engineering, elimination, or substitution controls: _____ If no, use: ☐ earmuffs ☐ ear plugs ☐ leather welding hood ☐ Other available PPE options: _____

Certification of the PPE Assessment and PPE Selection

I certify that the above PPE Assessment was performed on the date indicated. This document is a Certification of the PPE Assessment per OSHA Standard 29CFR 1910.132.

Department Head / Director Printed Name: WILDCAT WILLIE DIRECTOR

Signature: _____ Date: _____

Supervisor / Principal Investigator Printed Name: WILDCAT WILLIE SUPERVISOR

Signature: _____ Date: _____

Environmental Health & Safety Printed Name: WILDCAT WILLIE EH&S

Signature: _____ Date: _____

Comments: Laser safety google must be worn when laser's are in operation. Safety glasses/goggles, disposable gloves, lab coat and closed toed shoes are to be worn when entering a lab to conduct research or performing routine activities.

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PPE TRAINING DOCUMENTATION

Laboratory and workplace safety training must be conducted by the Principal Investigator, Lab Manager, Supervisor, or their designee. Training will identify and discuss potentially hazardous tasks performed in the lab/area and selection and use of specific PPE to protect the laboratory worker or researcher. The training content, instructor and student attendees must be documented. To provide adequate training, the PI, Lab Manager, Supervisor, or their designee will provide the following:

1. Identify all applicable safety training courses needed for each staff member and assure that each staff member has these courses.

2. The PI, lab manager, supervisor, or their designee will review the completed PPE Assessment Guide with the employee. It describes the operations in the lab where employees need PPE for protection against exposure to hazards. In this step, the PPE assessment is used as a training tool. While discussing operations and the associated hazards with staff, the manager will address the following:

· How to the obtain PPE

· What types of PPE are used in the area and for which tasks

· Where and how the PPE is stored and maintained

· How to inspect and what to look for to confirm PPE is in good condition before putting it on. If not, place the PPE.

· How to put on, wear, adjust for proper fit, and remove PPE

· How to properly use the PPE

· How to properly decontaminate and clean reusable PPE, and how to properly dispose of single-use PPE

· Discuss any limitations of the PPE

· General PPE safety practices, including not wearing PPE outside of hazard areas (e.g. hallways and eating areas).

3. Each trained member will sign the training documentation to acknowledge that they have reviewed and been trained on the PPE Assessment Guide.

4. Conduct refresher training whenever the PPE assessment and/or PPE selected for use is updated.

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PPE Assessment Guide Training Acknowledgement:

Principal Investigator: WILDCAT WILLIE Principal Inv. Department/Unit: Environmental Health & Safety

Building: DYKSTRA Room: 101

Trainer: WILDCAT WILLIE Supevisor Trainer Job Title: Supervisor

I have read, asked questions, and understand the PPE requirements for the activity/materials described for my work.

Date	Name of Person Trained	Job Title	Employee or Student ID Number	Signature
2/16/2024	Wildcat Willie	Lab Technician	123456789	