



Subject: Personal Protective Equipment	Date: 12/16/16
EH&S Program: Occupational Safety	Next Review: 12/16/19
Scope: University Wide	Original: 1990

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Policy:

Department heads and Supervisors are responsible to ensure that all employees working at Stony Brook University are provided with the appropriate personal protective equipment and training to complete their jobs safely. This policy presents the principles for proper selection of personal protective equipment and to establish procedures for its use.

Definitions:

American National Safety Institute (ANSI): The American National Standards Institute (ANSI) is a private, non-profit organization that administers and coordinates the U.S. voluntary standards and conformity assessment system.

American Society for Testing and Materials (ASTM): is an international standards organization that develops and publishes voluntary consensus technical standards for a wide range of materials, products, systems, and services.

National Institute of Occupational Health and Safety NIOSH: responsible for conducting research and making recommendations for the prevention of work-related injury and illness. NIOSH is part of the Centers for Disease Control and Prevention (CDC) within the U.S. Department of Health and Human Services.

Personal Protective Equipment (PPE): Equipment worn to minimize exposure to hazards that may cause serious workplace injuries and illnesses. These injuries and illnesses may result from contact with chemical, radiological, physical, electrical, mechanical, or other workplace hazards. Personal protective equipment may include items such as gloves, safety glasses and shoes, earplugs or muffs, hard hats, respirators, or coveralls, vests and full body suits.

Procedures:

A. Responsibilities

1. Departments must:
 - a. Assist the Department of Environmental Health and Safety in assessing the workplace to determine if hazards are present or likely to be present in order to identify areas and work activities where personal protective equipment (PPE) is to be used. See Appendices A and B for guidelines.
 - b. Provide employees with the appropriate type and size of personal protective equipment.
 - 1) Employees with allergies to latex or other PPE material must be accommodated with alternate materials. PPE is provided without cost to the employee.
 - c. Control the issuance and storage area of protective equipment to ensure that it is sanitary, in reliable condition, and used properly.
 - d. Ensure the use of protective equipment when required.
 - e. Provide for medical evaluation as applicable. Medical evaluations are to be provided at no cost to the employee.
 - f. Each departments is responsible to determine the appropriate purchasing activities of protective equipment for their employees.
2. Department of Environmental Health and Safety will:
 - a. Assess, as necessary, each department's workplace to determine if hazards are present or likely to be present in order to identify areas and work activities where personal protective equipment is to be used.
 - b. Provide training on the selection, proper use and maintenance of personal protective equipment.
3. Employees will:
 1. Use and maintain protective equipment as required.
 2. Be trained as deemed necessary.
 3. Be capable of demonstrating the ability to use PPE properly.

B. Training

1. Employees required to wear PPE must participate in training in the proper selection, use, care and limitations of PPE before performing any activities requiring its use. An individual's specific training requirements are based on their activities, work environment, potential exposures to hazardous materials, conditions or processes. This training is provided via several methods, including instructor-led sessions, computer-based training courses, written programs or by local supervisors and teachers.
2. Miscellaneous Protection

- a. Other work locations and activities where hazards or potential hazards exist may require additional personal protective equipment and specific training. Examples of additional protective equipment may include surgical masks, welding aprons, metatarsal guards, safety belts, lanyards, cryogenic gloves, and electrical insulating cloths or mats. Specific review is required to identify when additional protective equipment is needed.

Forms:

- **Appendix A - PPE Selection Chart**
- **Appendix B - Personal Protective Equipment Hazard Assessment**

Policy Cross Reference:

- **1-9 Hearing Conservation Program**

Relevant Standards/Codes/Rules/Regulations/Statutes:

- **1910.132, Personal Protective Equipment**
- **1910.135, Occupational Head Protection**
- **1910.137, Electrical Protective Devices**
- **1910.140, Personal Fall Protection Systems**
- **1910.145, Specifications for accident prevention signs and tags**
- **1910.1030, Bloodborne Pathogens**
- **1910.1200, Hazard Communication**
- **1910, Subpart D, Walking Working Surfaces**
- **1926, Subpart M, Fall Protection**
- **ASTM F2413-05 Standard Specification for Performance Requirements for Foot Protection**

References and Resources:

- **NA**

APPENDIX A: Personal Protective Equipment Selection Chart

The following table is presented to serve as a guideline for the proper selection of various types of personal protective equipment. The Department of Environmental Health and Safety should be consulted for specific recommendations and requirements, including chemical permeation and degradation information.

Affected Body Area	Hazards	Type(s) of Protection
Eye/Face	General Plant Wear	Safety Glasses with Side Shields
	Low Velocity Flying Chips	Safety Glasses with Side Shields
	High Velocity Flying Chips	Impact Goggles or Safety Glasses with Full Faceshield
	Corrosive Liquid	Chemical Goggles and Full Faceshield
	Welding, Cutting or Hot Work	Welding Helmet with Tinted Lense and Safety Glasses with Side Shields
Head	-General Plant Wear Elevated Work, including Cherry Pickers, Telescoping Booms, or Aerial Work Platforms -Rigging -Material Handling -Maintenance -Construction Operations -Demolition Operations -Confined Space	Hard Hat – ANSI approved
Ears	High Noise Levels >85db	Ear Plugs or Muffs
Respiratory System	Respirable Dust	Dust/Mist or HEPA Respirator
	Low Concentration of Solvent Vapors	Respirator with Organic Vapor Cartridge
	Acid mist	Respirator with Acid Mist Cartridge
	High Concentration of dust or vapors	Supplied Air Respirator
	Oxygen Deficiencies or Toxic Gas	Self-Contained Breathing Apparatus
Hand / Arms	Handling Rough or Sharp Objects	Leather Gloves
	Handling Hot Objects	Leather, Aluminized Fabric, high Intensity Heat Resistant Gloves

	Using Organic Solvents	Various Glove Materials: Nitrile, Rubber, PVC, etc.
	Potential Exposure to Blood or Body Fluids	Nitrile Gloves
	Electric Current	Rubber Dielectric Gloves
	Petroleum	Nitrile Gloves
Feet / Legs	General Plant Wear or Light Material Handling	Safety Toe Shoes
	Chainsaws or Abrasive Blasting	Leggings or Chaps
	Working with Steam or Corrosive Liquids	Safety Toe Boots
	Chemicals	Various Overboots Depending on Chemical
Trunk / Body	Exposure to Vehicular Traffic	Red or Orange reflective Warning Garments
	Welding, Cutting, or Brazing	Cape or Snood
	Punctures, Impact or Cuts	Canvas or Leather Apron
	Chemicals	Lab Coat
	Maintenance	Coveralls

Appendix B: Personal Protective Equipment Hazard Assessment

Section 1. Initial Contact Information					
Department		Building		Room No.	
Evaluator			Date		
Contact Person			Phone No.		
Type of Work Performed					
Section 2. Personal Protective Equipment					
Gloves	R / U / NA	Eye/Face	R / U / NA	Hearing	R / U / NA
Acid		Safety Glasses		Earplugs	
Base		Chemical Goggles		Muffs	
Solvents		Face Shield		Combination	
Oil		Impact Goggles			
Infectious		Heat			
Radiation		Light			
Cold Surface		Welding Helmet			
Hot Surface					
High Voltage					
Cuts					
Body	R / U / NA	Head	R / U / NA	Foot	R / U / NA
Lab Coat		Impact		Chemical	
Aprons		Cold Weather		Impact	
Coveralls		Electrical (low)		Puncture	
Full Body Suit		Electrical (high)		Non-conductive	
Cold Weather				Conductive	
Heat Suit				Cold Weather	
Safety Belt or Harness					
Respirator	Hazard	Manufacturer	NIOSH TC NO.	R / U / NA	
1/2 Face					
Full Face					
PAPR					
Disposable					
Self Contained					
Airline					

Note: R=Required U=Utilized NA = Not Applicable