

# 1. PERSONAL PROTECTIVE EQUIPMENT

## 1.1 PURPOSE

Personal protective equipment (PPE) increases safety for workers performing potentially hazardous tasks. Contractors shall ensure that the proper types of PPE (i.e., safety glasses, hard hats, gloves, respirators or any equipment or clothing necessary to protect the worker against injury or illness) are available for use by their workers and shall prohibit Subcontractors, their employees or other personnel including NSU personnel and visitors from entering the project site unless they are wearing the appropriate PPE.

## 1.2 GENERAL

Contractor's personnel are required by OSHA to utilize appropriate personal protective equipment for the work they perform. All workers, NSU personnel and visitors entering the project site shall be appropriately attired. The minimum required PPE on a project site is a hard hat, safety glasses and sturdy work shoes with steel toes as necessary (no short pants, skirts, sleeveless shirts, open toe shoes shall be allowed). All protective equipment and clothing must meet applicable ANSI, NIOSH, or ISEA standards.

## 1.3 RESPONSIBILITIES

Contractors must determine the minimum personal protective equipment (PPE) requirements for the job site prior to starting the project. Contractor workers may be required to wear additional PPE or use additional safety devices to accomplish their work. Contractors are responsible for selecting and maintaining the required PPE and devices as well as ensuring that their employees are trained and qualified to use all the required equipment.

- 1) All PPE shall be used and maintained in a sanitary and reliable condition as stated in OSHA 29 CFR 1910.132 – 138 and 1926.28 regulations.
- 2) All selected PPE shall be of construction design, and material that properly fits the employee to protect them against known or anticipated hazards.
- 3) The EH&S officer will stop work if the appropriate PPE is not in place.
- 4) Contractors must control their work areas and effectively communicate the hazards encountered and require all NSU representatives to wear PPE when accessing those work areas.
- 5) Contractors working near roads, i.e. during striping, excavation, or landscaping shall ensure work area safety in accordance with Federal Highway Administration's manual.
  - a. General Requirements (OSHA 1910.132)  
Protective equipment for eyes, face, head and extremities, protective clothing, respirators, and protective shields shall be used wherever it is necessary to protect for the hazards, the environment, chemical or radiological hazards, or mechanical irritants encountered which are capable of causing injury or impairment to any part of the body through inhalation, absorption or physical contact.

- b. Eye and Face Protection (OSHA 1910.133)  
Employees shall use the appropriate eye or face protection whenever exposed to eye or face hazards. The following hazardous work require the use of the appropriate eye/face protection; drilling, chipping, pouring concrete, working with pneumatic tools, welding, working with chemicals, molten metal, or potentially injurious light radiation.
- c. Respiratory Protection (OSHA 1910.134)  
Employees shall use the appropriate respiratory protection when potentially exposed to air contaminated containing harmful dusts, fumes, gases or vapors. Respiratory protection shall be used as necessary for jobs such as cutting and sanding dry wall and spray painting.
- d. Head Protection (OSHA 1910.135)  
Employees shall wear protective helmets to prevent head injury from falling objects in the work areas. Head protection shall be worn whenever overhead work is performed such as crane operations, excavations, and scaffold erection or when there is a risk of electrical shock from nearby exposed electrical conductors.
- e. Foot Protection (OSHA 1910.136)  
Employees shall wear protective footwear to prevent potentially dangerous foot injuries in the work area such as crush or puncture injuries, falling or rolling objects, exposure to chemicals, slips, or energized electrical circuits.
- f. Hearing Protection (OSHA 1910.95 [K](1)-(3))  
Employees shall wear protective ear gear whenever noise levels equal or exceed the OSHA exposure limit of an 8 hour time-weighted average sound level (TWA) of 85 decibels and when engineering controls cannot reduce or eliminate the hazard.
- g. Hand Protection (OSHA 1910.138)  
Employees shall wear protective gloves when working in areas where hands will be exposed to hazards which can be absorbed into the skin, cause severe cuts or lacerations, severe abrasions, punctures, chemical or thermal burns and harmful temperature extremes.

Minimum PPE for construction areas:

- ANSI approved safety glasses (ANSI Z87.1) with side shields.
- Hard hats.
- Impact and compression resistant safety shoes.
- Long pants.
- Reflective vest when heavy power equipment is in operation within contract limit line, or when working in high-traffic areas.
- Long-sleeved shirts are required when working in production buildings, utilities or any pipe rack.
- Professional appearance is required.

Additional PPE considerations:

- Cut resistant or cut-proof gloves.
- Fall retention harness with arresting lanyard as required.
- Ear plugs or ear muffs if work will involve exposures to loud noises.
- Respiratory protection.
- Non-conductive, insulated gloves, boots and blankets as required by NEC.
- NOMEX or approved fire resistant clothing as required by NFPA.
- Fire/heat resistant gloves with gauntlets.
- UV protective goggles/face shield.
- Impact resistant face shield.
- Electrical Hazard rated (EH) safety shoes for working in substations or while performing work on live parts.

1.4 REGULATIONS

OSHA 29 CFR 1910 Subpart I,	Personal Protective Equipment
OSHA 29 CFR 1910.95(K)(1)-(3)	Occupational Noise Exposure
OSHA 29 CFR 1926.52	Occupational Noise Exposure
OSHA 29 CFR 1926 Subpart E	Personal Protective and Life Saving Equipment
and any other applicable regulations.	

1.5 ACCOUNTABILITY

All contactors will be responsible for complying with the guidelines as described above. Contractors are to communicate to their employees and Subcontractors all the guidelines and relevant information. All work shall be performed in accordance with University policies and procedures as well as all applicable laws and regulations.