

Mission Success Starts With Safety

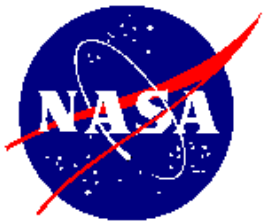


Monthly SSC Construction Contractor Meeting:

Safety Presentation

Personal Protective Equipment

March 04, 2021



Mission Success Starts With Safety



Personal Protective Equipment (PPE)

SSC Requirements, Occupational Safety and Health Administration (OSHA) and NASA Safety Center

Most jobs at NASA require some sort of Personal Protective Equipment (PPE) to minimize exposure to workplace hazards and prevent injury and illness. At Stennis, some of the potential hazards include flammable, cryogenic and high-pressure materials; electrical hazards, confined space and elevated work areas, to name a few.

Safe Plan of Action

NASA is required to provide PPE to all NASA employees in situations where engineering controls, management controls or other corrective actions have not reduced the hazard to an acceptable level or where use of engineering controls, management controls or other techniques is not feasible. Stennis Common Work Instruction ([SCWI-8715-0002](#)) establishes a standard practice for the use of PPE. This SCWI follows the requirements of the OSHA Code of Federal Regulations (CFR) 29 CFR 1910.132-138 for PPE which states, "Protective equipment, including personal protective equipment for eyes, face, head, and extremities, protective clothing, respiratory devices, and protective shields and barriers, shall be provided, used, and maintained in a sanitary and reliable condition wherever it is necessary by reason of hazards of processes or environment, chemical hazards, radiological hazards, or mechanical irritants encountered in a manner capable of causing injury or impairment in the function of any part of the body through absorption, inhalation or physical contact." Whether working with or around loud machinery, chemicals or energized electrical equipment, make sure the proper PPE is worn during the entire work process.

Employers Must Provide Personal Protective Equipment (PPE)



The Occupational Safety and Health Administration (OSHA) requires that employers protect you from workplace hazards that can cause injury or illness. Controlling a hazard at its source is the best way to protect workers. However, when engineering, work practice and administrative controls are not feasible or do not provide sufficient protection, employers must provide PPE to you and ensure its use.

Employer Obligations

- ✓ Performing a hazard assessment of the workplace
- ✓ Identifying and providing appropriate PPE for employees
- ✓ Training employees in the proper use and care of PPE
- ✓ Maintaining and replacing damaged or worn PPE
- ✓ Periodic evaluation of the PPE Program

Employee Obligations

- ✓ Know when and what type of PPE is required
- ✓ Properly wear PPE
- ✓ Attend all required training for PPE
- ✓ Care for, clean and maintain PPE
- ✓ Know the limitations of the PPE
- ✓ Inform supervisor of the need to repair or replace PPE

Minimum PPE Required on SSC Construction Sites

- ✓ Safety glasses with side shields
- ✓ Hard Hat
- ✓ Protective Toed Shoes
- ✓ High Visibility Safety Apparel

The daily Activity Hazard Analysis process identified in the Construction Safety and Health Program ([SCWI-8715-0008](#)) shall be used for determining additional PPE requirements.



Using PPE is often essential, but it is the last line of defense. Even if you use the right PPE and use it correctly, it isn't foolproof. It pays to understand the limitations of PPE to ensure you always receive the maximum protection.