Marshall Space Flight Center
Safety, Health, & Environmental (SHE) Program

Safety, Health, and Environmental (SHE) Program Visitor Awareness Training
(SHE 101V)

Presented By:
MSFC Industrial Safety Department
Emergency Phones Numbers

- **Emergencies: Call 911**
  (Ambulance, Fire, Security, and Chemical Spills)
  - On a cell phone, identify immediately that you are on MSFC property
    - This is required to be transferred to MSFC 911 emergency personnel avoiding critical delays
  - If there is an injury to personnel or damage to MSFC property, material, or equipment the following shall be notified:
    - Industrial Safety Branch (ISB), 544-HELP (Option 2)
    - Your sponsor
Non-Emergencies or Concerns

- Industrial Safety Branch (ISB) – 544-0046
- Occupational Health (EEOH) – 544-2390
- Environmental Engineering (EEOH) – 544-4246
- MSFC Medical Center, Bldg 4249 – 544-2390
- Chemical Management – 544-4772
- Hazardous Waste Disposal – 544-9578
- Environmental Support Contractor – 544-9578
- Security – 544-HELP (4357) Option 1
Safety, Health & Environmental (SHE) Program Objective

- To establish and implement an industrial safety, occupational health, and environmental program that
  - Prevents employee injuries, illnesses, and fatalities
  - Protects the environment through the ongoing planning, implementation, integration and management control of these programs
  - Reduces the number of incidents
- MSFC, as a governmental contracting agency, has a responsibility to assure work performed on MSFC meets our safety, health, and environmental standards.
MSFC and OSHA Requirements

- MSFC is responsible for providing employees and visitors with a safe and healthful working environment in accordance with the Occupational Safety and Health Act (OSHA) of 1970 and Public Law 91-596.

- MSFC developed Marshall Program Requirements (MPRs) and Marshall Work Instructions (MWIs) to define how work is performed at MSFC.

  - Your sponsor can assist you in obtaining these copies or other documents applicable to the work you will perform.
Each MSFC organization designates an employee to serve as their SHE point of contact (POC)

*Safety Monitor/Coordinator Designation* (Label 35) is posted in various locations in buildings

- label identifies representatives from all SHE organizations that are responsible for the building

You will be made aware of your role and responsibility in the MSFC SHE Program while working at the Center
Training

- Your sponsor will instruct you in the recognition and avoidance of unsafe conditions
- The regulations applicable to the work environment
- How to control or eliminate any hazards or exposure to illness or injury.
MSFC Has Many Places That May Contain Asbestos

- Asbestos can cause cancer and lung disease and should not be disturbed unless proper precautions are followed.
- Asbestos may be present in the following building materials at MSFC:
  - Spray applied insulation
  - Heating, ventilation, and air conditioning and thermal system insulation
  - Floor tiles/adhesive, Interior wallboard/exterior siding
  - Pipe insulation and Gasket materials.
- Avoid cutting, drilling, grinding, or otherwise damaging these materials or other building materials containing asbestos that can cause dust or fiber release and potential asbestos exposure.
- Call EEOH at 544–HELP (4357) or 544-2390 if you have any questions.
MSFC is a CERCLA Site

What is a CERCLA site?
- Locations where releases of hazardous substances had occurred or might occur, and pose a serious threat to human health, welfare, or the environment

What is the source of MSFC’s CERCLA sites?
- Due to historical engine development activities at MSFC, some chemicals were released to the environment (soils and groundwater)

What should you be aware of?
- Visitors should be aware of this fact and observe appropriate safety signs
Where are the CERCLA Sites Located?

Legend
- Roads & Sidewalks
- Buildings
- Superfund Investigation Areas
- MSFC Boundary

Should any questions arise contact:
Joe Edmondson
(544-5020 or 544-4248)
If Chemicals or Hazardous Materials are Involved With Your Work

- Coordination with EEOH, 544-2390, when procuring or bringing hazardous materials onsite
- Your sponsor will provide information and training when working with chemicals or hazardous materials and inform you of the hazards involved when working with them
Hazardous and Controlled Waste Management & Disposal

- If your work generates hazardous waste it needs to be properly disposed of.
- Do not pour any chemicals or other hazardous materials down sinks, drains, or into the environment.
- Contact the Environmental Support Contractor at 544-9578 if you have any questions or to obtain the following:
  - To obtain waste collection containers
  - Turn in waste containers
  - Turn in empty product containers
  - Turn in unwanted or unclaimed chemicals

If you have any questions contact EEOH, 544-9578
MSFC Permits

- Some work requires MSFC Permits
- Contact ISB at 544-0046 for Hot Work Permits for:
  - Activities that produce and open flame such as oxy-fuel torches, portable furnaces, blow torches, gas or electric welding operations, flammable or combustible fuel heaters, etc.
  - Tar Kettles and torch-applied roofing systems.
- Contact 544-6759 or the Facilities Management Office (FMO) inspector for Digging Permit
- Contact EEOH at 544-2390 for Confined Space Permits
- Your sponsor will know if other permits are needed
General SHE Rules for ALL Employees

- Every employee has the authority to stop any operation if an unsafe act or condition exits; or if an activity has the potential to harm the environment. [29 CFR 1926.20 and MPR 8715.1]
- Report all safety and health problems, close calls, and mishaps to your sponsor
- Imminent Danger - Secure the area and notify your sponsor
  - Identify with hazard warning sign(s) to prevent injury to others or damage to property
- Hazardous conditions shall be corrected before work is allowed to continue
- Become familiar with emergency procedures and follow them when necessary
- Wear Personal Protective Equipment (PPE) when the work requires it to be worn
  - Worksite shall be posted with signage stating the correct PPE required to be worn while in the worksite area
Traffic Rules

- To be granted access to drive a vehicle on MSFC, a valid state driver’s license and proof of vehicle insurance is required.
- Seat belts are required to be worn at all times while the vehicle is moving.
- **Cell phone use is prohibited** on RSA/MSFC while operating a vehicle unless you use a hands-free device or speaker phone option.
- Pedestrians have the right-of-way at crosswalk paths designated by painted crosswalk on the pavement.
- Vehicles have the right away at main roadway mid-block crossing points with no painted crosswalks. These crossing points are marked with signs stating “Pedestrians Yield to Motorists”.
Traffic Rules

- When entering Redstone Arsenal gates during darkness, parking lights should be used.
- Vehicles parked in unauthorized areas, or areas not designated for parking are subject to citation.
- Slow moving vehicles shall not use Rideout or Martin Road during rush-hours.
  - When a slow moving vehicle is on a MSFC road it shall:
    - Display a slow-moving vehicle emblem on the rear.
    - Have red or amber flashing lights or beacon.
    - Be escorted.
Workplace Violence

- MSFC has zero tolerance for workplace violence
- Workplace violence and threatening behavior will not be tolerated
- Threatening behavior is a statement or “course of conduct” which could cause, or which actually causes, a person to believe that they are under threat of bodily injury or death
- Immediately report all acts of violence and any threatening behavior to Protective Services at 544–HELP (4357) Option 1
- All work performed on MSFC is subject to the MSFC Security Procedural Requirements
Severe Weather

- Threats of severe weather (lightning, thunderstorm watches/warning, tornado watches/warnings/sightings) at MSFC are announced over the MSFC Emergency Warning System (EWS)
- When emergency announcements are made over the EWS, all personnel shall follow instructions
- If directed to go to protective areas, go to the nearest building
  - An emergency/evacuation plan is posted in the building lobby showing the location of the protective areas within the building
- Your sponsor can assist in locating protective areas adjacent to your work site
- Your sponsor shall ensure that you are aware of what action to take in the event of severe weather or other emergencies
Emergency/Evacuation Plans

The Emergency/Evacuation plans are posted in MSFC building lobbies.
MSFC Standardized Lockout/Tagout
Locks and Tags

Do Not Tamper with any Lock or Tag