

MSA FACILITIES SAFETY AND HEALTH INSPECTION PROGRAM

Personal Protective Equipment (PPE)



Personal Protective Equipment (PPE)

At the completion of this unit you shall be able to:

1. Utilize section P of the Safety and Health Hazard Inspection Program Checklist to identify compliant and non-compliant safety behaviors.
2. Identify areas of concern requiring immediate action to mitigate or prevent a possible injury.

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Personal Protective Equipment (PPE)

- ▣ This section deals with the use of PPE that is used by the general worker against typical hazards that are present in the industrial or construction environment here at Hanford.



Personal Protective Equipment (PPE)

- ❑ Many times you can observe from a distance whether or not PPE is being used properly.
- ❑ For example the photo at the right.....



Personal Protective Equipment (PPE)

- ▣ Our friend is using a concrete saw to cut a large piece of concrete. Typically this type of saw is gasoline powered.
- ▣ Let's do a head to toe check.



Personal Protective Equipment (PPE)

- ▣ The head
 - No hard hat
 - No safety Glasses
 - No respiratory protection (we don't count the filter on the cigarette)
 - No hearing protection (those things are loud!!)



Personal Protective Equipment (PPE)

- ▣ The body.
 - Shirt with Sleeves.
 - Long leg pant.
 - (Some good points here)



Personal Protective Equipment (PPE)

▣ The hands.

- No Gloves

Many types based on hazard, chemical, vibration absorbing, protection from sparks, and protection from cuts.



Personal Protective Equipment (PPE)

▣ The feet.

▪ Boots or Shoes

Many types, may require safety toe, chemical, or simply “substantial footwear”. In any case open toed shoes and sandals are not allowed.

He seems to be good with that....



Personal Protective Equipment (PPE)

- ▣ The point is that there should be a hazards analysis or similar document specifying the type of PPE that must be worn. If the PPE is not worn or if there is no document that specifies the PPE for that task then actions need to be taken immediately.



Personal Protective Equipment (PPE)

- Section P of the checklist is a tool we use to evaluate the compliance to the use of PPE. In this section of there are 5 items dealing the selection, use, and care of PPE.
- Let's take a closer look at these items.

MSA GENERAL INDUSTRY-BASED SAFETY AND HEALTH HAZARD INSPECTION CHECKLIST

No.	Inspection Observations	Compliant?	See Comments (indicate with X)
		Y/N/N/A	
8	Compressed Gas Cylinders are stored separately from flammable materials such as gasoline.		
9	Compressed Gas Cylinders containing flammable gases are stored in ventilated locations.		
10	Other.		
N	SPRAY FINISHING USING FLAMMABLE and COMBUSTIBLE MATERIALS		
1	Forced ventilation is provided for the area.		
2	Spray booth airflow is not obstructed.		
3	No ignition sources (e.g., open flames or spark-producing work) are in the area.		
4	Ventilation and electrical equipment is classified for "hazardous locations" (Class I, Division 1).		
5	Fire control systems are operational.		
6	Other.		
O	EXPLOSIVES		
1	Explosive materials are labeled and stored in secured areas/vaults.		
2	Storage areas are posted with the hazard designation sign.		
3	A Hanford Fire Marshal Permit has been issued for the material.		
4	Other.		
P	PERSONAL PROTECTIVE EQUIPMENT (PPE)		
1	Appropriate PPE is selected, fitted, and used properly for protection against hazards identified.		
2	PPE is properly stored and maintained.		
3	Facility/work area-specific PPE requirements are known, or conspicuously posted in affected work areas.		
4	Other.		
Q	SANITATION		
1	Non-potable water sources are adequately marked.		
2	Food and beverages ARE NOT consumed or stored in toilet rooms or in areas exposed to toxic materials.		
3	Toilet and shower facilities are adequate and maintained in a sanitary condition.		
4	Rodent, insect, and vermin control measures are in place and maintained.		
5	Potable water supplies are adequate.		
6	Appliances are clean and maintained.		
7	Other.		
R	SAFETY COLOR CODE FOR MARKING PHYSICAL HAZARDS		
1	Emergency "STOP" switches are color-coded RED.		

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Personal Protective Equipment (PPE)

1. Appropriate PPE is selected, fitted, and used for protection against hazards identified.
2. PPE is properly stored and maintained.
3. Facility/work area-specific PPE requirements are known, or conspicuously posted in affected work areas.
4. Other.

Personal Protective Equipment (PPE)

1. Appropriate PPE is selected, fitted, and used for protection against hazards identified.



- The item is to note if the appropriate PPE is selected based upon the hazard. This is a prime function of the AJHA and posted instructions.

Personal Protective Equipment (PPE)

1. Appropriate PPE is selected, fitted, and used for protection against hazards identified.



- ▣ A compliant rating would indicate that appropriate PPE was selected, fitted, and used based upon the hazards.

Personal Protective Equipment (PPE)

1. Appropriate PPE is selected, fitted, and used for protection against hazards identified.
 - ▣ A non compliant rating indicates that the PPE was not chosen, fitted, or being used.

(Needless to say there are multiple issues here.)



Personal Protective Equipment (PPE)

2. PPE is properly stored and maintained.

- This item deals with the correct storage of PPE.
- Generally all PPE whether it be general PPE (hard hats, gloves, safety glasses, etc.) or specific hazard PPE (respirators, harnesses, etc.) can be significantly degraded if they are not stored or maintained in accordance with manufacturers requirements.



Personal Protective Equipment (PPE)

2. PPE is properly stored and maintained.

- PPE can be degraded by:
 - Direct Sunlight



Personal Protective Equipment (PPE)

2. PPE is properly stored and maintained.

- PPE can be degraded by:
 - Direct Sunlight
 - Excessive Heat/Cold



Personal Protective Equipment (PPE)

2. PPE is properly stored and maintained.

- PPE can be degraded by:
 - Direct Sunlight
 - Excessive Heat/Cold
 - Chemical Exposure



Personal Protective Equipment (PPE)

2. PPE is properly stored and maintained.

- PPE can be degraded by:
 - Direct Sunlight
 - Excessive Heat/Cold
 - Chemical Exposure
 - Exposure to the hazard (hard hat being hit, harness be subjected to fall forces, etc.)
- Degraded PPE must be replaced.



Personal Protective Equipment (PPE)

2. PPE is properly stored and maintained.
- A compliant rating indicates that all the PPE observed was stored properly and was maintained in good order.



Personal Protective Equipment (PPE)

2. PPE is properly stored and maintained.



- A non compliant rating would indicate that PPE was not stored properly and/or not maintained to ensure it would protect employees.

Personal Protective Equipment (PPE)

3. Facility/work area-specific PPE requirements are known, or conspicuously posted in affected work areas.
- The purpose of this item is to ensure that those areas that have a known hazards are posted with the requirements for personal protective equipment.



Personal Protective Equipment (PPE)

3. Facility/work area-specific PPE requirements are known, or conspicuously posted in affected work areas.

- Some good examples are:
 - High noise area.
 - Eye hazard area.
 - Face hazard area.
 - Respiratory hazard area.



Personal Protective Equipment (PPE)

3. Facility/work area-specific PPE requirements are known, or conspicuously posted in affected work areas.

- A compliant rating would indicate that the signage was in place and legible.



Personal Protective Equipment (PPE)

3. Facility/work area-specific PPE requirements are known, or conspicuously posted in affected work areas.

- A non compliant rating would indicate that signage was not present to indicate the need for PPE where the hazard was.



Personal Protective Equipment (PPE)

AND, AS A FINAL THOUGHT...

- ▣ The use of PPE is critical to limit injuries. If a PPE is needed it must be used.

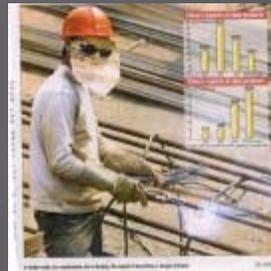


No harness.

Harness not used properly (not anchored).



No PPE



Improper PPE

Personal Protective Equipment (PPE)

- If at any time you have any questions about how to fill out the form or about the items on the form please contact your OS&H group.

**MSA GENERAL INDUSTRY-BASED SAFETY AND HEALTH
HAZARD INSPECTION CHECKLIST**

Facility:	Facility Representative:
Date:	Team Member:
Total Items Reviewed:	Team Member:
Total Non-Compliant Items:	Team Member:

No.	Inspection Observations	Compliant? Y·N·NA	See Comments (indicate with X)
A FIRE PROTECTION INSPECTION <i>(All issues must be observed as applicable see note 2)</i>			
1	Emergency Lights - Each unit must be operable when tested.		
2	Portable Fire Extinguishers (PFE) - Each unit is properly mounted, an inspection tag is in place and reflects through previous month, the pressure gauge is in the "green" zone (where applicable).		
3	PFE is not obstructed, is visible, and the seal is not broken.		
4	Sprinkler Clearance - Clearance between the sprinkler deflector and the top of any storage is 18 inches or greater.		
5	Fire Riser Pressure Gauge Inspection - Inspect gauges to verify pressure to the building and pressure held in the fire system. Typically both gauges will have similar pressure readings.		
6	Fire Risers - Access to fire system sprinkler risers and other system components must be unobstructed.		
7	Fire Riser Valve Inspection - Check all seals, position and supervision for broken seals or possible tampering.		
8	Post Indicating Valve Inspection - This valve will be located outside of the facility. It must be verified that the window on the side of the valve reads "OPEN".		
9	Exit Signs - Exit signs with an internal lighting source must be checked to ensure all lamps are functional. - Exit signs that use Tritium must be observed that they have not been damaged, all applicable labels are present, the sign has not expired, and it is not covered with another sign.		
10	Fire Doors - Identify that fire doors operate freely and latch securely upon closure. Fire doors must not be propped open.		
11	Ceiling Tiles - Where automatic sprinklers are installed drop ceiling tiles are in place. Missing tiles slow response of fire suppression sprinklers.		
12	Manual alarm stations are easily identified and readily accessible.		
13	Other.		
B GENERAL SAFE BEHAVIORS			
1	Employees are taking the necessary safety precautions for the work being performed.		
2	Work is being performed such that collocated employees in the area are not exposed to occupational hazards or unsafe conditions.		

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Thank you for your time
and desire to help us have
a safer workplace