

MSA FACILITIES SAFETY AND HEALTH INSPECTION PROGRAM

Occupational Health and
Environmental Control



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Occupational Health and Environmental Control

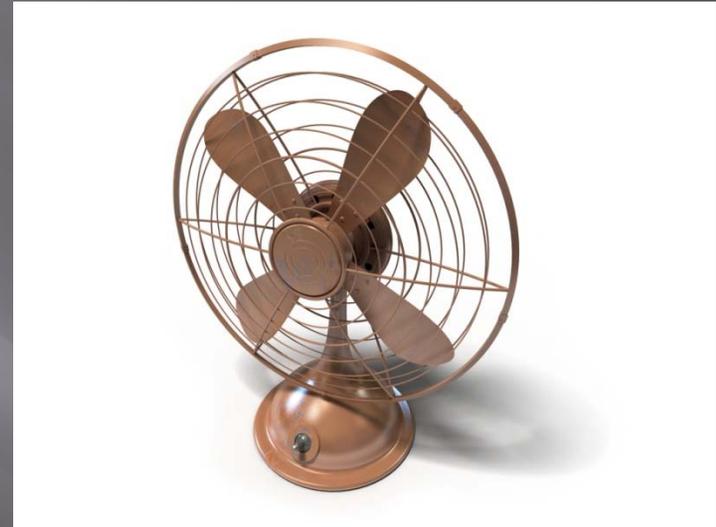
At the completion of this unit you shall be able to:

1. Utilize section K 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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- ▣ This section is concerned with the identification and control of temperature ventilation and noise.



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- Section K of the checklist contains up to 5 items. Let's take a closer look at these.

MSA GENERAL INDUSTRY-BASED SAFETY AND HEALTH HAZARD INSPECTION CHECKLIST

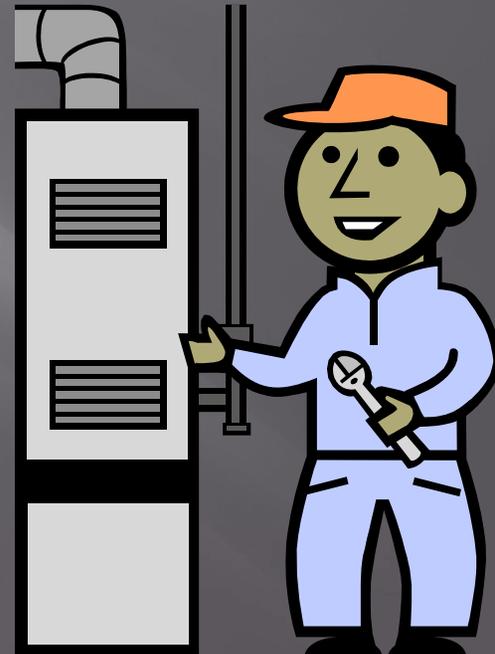
| No. | Inspection Observations | Compliant? Y•N•N/A | See Comments (indicate with X) |
|--|--|-----------------------|-----------------------------------|
| 7 | Non self-supporting portable ladders are being positioned at a proper 4-to-1 angle. | | |
| 8 | Employees working from portable ladders at heights exposing them to a fall of 6 feet or greater are using an approved Fall Protection Work Permit (FPWP). | | |
| 9 | Stepladders less than 6 feet in length/size are used only where necessary. | | |
| 10 | Other. | | |
| I MEANS OF EGRESS | | | |
| 1 | Exits and exit routes are clearly visible and clear of obstructions. | | |
| 2 | Exterior exit doors are non-locking in the direction of egress. | | |
| 3 | Non-exit doorways that may be confused as an exit are marked "NOT AN EXIT." | | |
| 4 | Exterior exit discharge areas are clean and unobstructed. | | |
| 5 | Winter snow/ice hazards removed where employees enter/exit. | | |
| 6 | Other. | | |
| J POWERED PLATFORMS, MANLIFTS, and VEHICLE MOUNTED WORK PLATFORMS | | | |
| 1 | Platforms in use are current with periodic maintenance, inspection, and testing. | | |
| 2 | Guard rails and toe boards are adequate. | | |
| 3 | Fall protection/Personal Protective Equipment provided, used and maintained. | | |
| 4 | Instructions, required labeling and warning signs are legible and in clear view. | | |
| 5 | Other. | | |
| K OCCUPATIONAL HEALTH and ENVIRONMENT CONTROL | | | |
| 1 | Ventilation/heating/cooling is adequate for the operation and area. | | |
| 2 | Engineering controls are employed, wherever possible, to reduce noise levels. | | |
| 3 | High noise areas are clearly identified and labeled. | | |
| 4 | Hearing protection devices are provided and worn by employees where noise level exposures cannot be adequately reduced thru application of engineering or administrative controls. | | |
| 5 | Other. | | |
| L CHEMICAL MANAGEMENT | | | |
| 1 | Chemical storage area is neat and well maintained (separates non-compatible materials such as oxidizers, flammables, acids, bases, and caustics). | | |

Occupational Health and Environmental Control

1. Ventilation/heating/cooling is adequate for the operation and area.
2. Engineering controls are employed, wherever possible, to reduce noise levels.
3. High noise areas are clearly identified and labeled.
4. Hearing protection devices are provided and worn by employees where noise level exposures cannot be adequately reduced thru application of engineering or administrative controls.
5. Other.

Occupational Health and Environmental Control

1. Ventilation/heating/cooling is adequate for the operation and area.
- A compliant rating on this item would indicate that the temperature was adequate and within the guidelines established for DOE operations.



Occupational Health and Environmental Control

1. Ventilation/heating/cooling is adequate for the operation and area.

- A non compliant rating on this item would indicate that the temperature was not adequate or not within the guidelines established for DOE operations.



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2. Engineering controls are employed, wherever possible, to reduce noise levels.



- This item discusses the presence of engineering controls to eliminate or reduce noise. Many compressors and generators are placed in cabinets lined with sound absorbing material, this will greatly reduce this hazard.

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2. Engineering controls are employed, wherever possible, to reduce noise levels.
 - A compliant rating would indicate that where there are machines with this type of engineering control, it is in place. If it is doors they are normally closed, if they are panels they are in place, or if it is a muffler it is in place and operating.
 - A non compliant rating would indicate that doors, mufflers, or panels are not in place.



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3. High noise areas are clearly identified and labeled.



- This item discusses the presence of signs or other warning devices that high noise levels are present or may be present.
- As a rule of thumb, if you cannot clearly hear someone approximately 4 feet from you talking in a normal level of volume then you may be in a high noise area.

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3. High noise areas are clearly identified and labeled.
- A compliant rating would indicate that where there are high noise levels, that signs are posted warning and instructing employees of the need for hearing protection.
 - A non compliant rating would indicate that such signage is needed and is not in place.



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4. Hearing protection devices are provided and worn by employees where noise level exposures cannot be adequately reduced thru application of engineering or administrative controls.



- This item is to determine if the workers in the area are using hearing protection devices or following an administrative control to control their exposure to noise.

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4. Hearing protection devices are provided and worn by employees where noise level exposures cannot be adequately reduced thru application of engineering or administrative controls.
- A compliant rating would indicate that employees are using hearing protection as required by postings and analysis.



Occupational Health and Environmental Control

4. Hearing protection devices are provided and worn by employees where noise level exposures cannot be adequately reduced through application of engineering or administrative controls.
- A compliant rating would indicate that employees are using hearing protection as required by postings and analysis.



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4. Hearing protection devices are provided and worn by employees where noise level exposures cannot be adequately reduced thru application of engineering or administrative controls.



- ▣ A non compliant rating would indicate that employees are not using hearing protection as required by postings and analysis.

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- 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 project safety 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? | See Comments (indicate with X) |
|----------|---|------------|-----------------------------------|
| | | Y•N•N/A | |
| 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. | | |

1 A-6004-299 (REV 2)

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