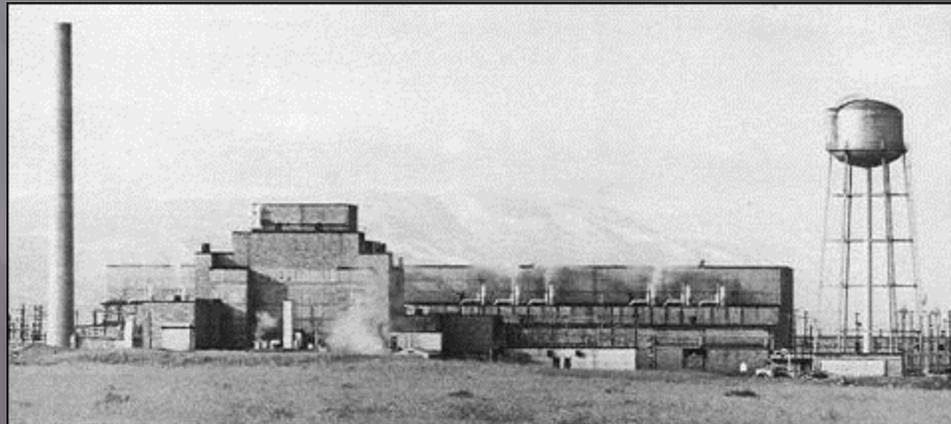


MSA FACILITIES SAFETY AND HEALTH INSPECTION PROGRAM

Building External Conditions



Approved for Public Release;
Further Dissemination Unlimited

Building External Conditions

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

1. Utilize section AA 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.

Please use “Slide Show” to properly view this presentation!

Building External Conditions

- ▣ The purpose of this section is to discuss some general items that need to be looked at that are external to our facilities.



Building External Conditions

- We need to be concerned with the outside of our buildings as well. Holes, cracks, damaged buildings, obstructions in parking lots can all create hazards that may result (and have resulted in) injuries to our people and to equipment.



Building External Conditions

- Section AA of the checklist concerns the conditions of the outside of your buildings including the parking lots, sidewalks, etc.

MSA GENERAL INDUSTRY-BASED SAFETY AND HEALTH
HAZARD INSPECTION CHECKLIST

No.	Inspection Observations	Compliant? Y•N•N/A	See Comments (indicate with X)
5	36-inch working space is maintained in front of electrical panels. Panel schedules are clearly legible and up-to-date. *		
6	Electrical disconnects are labeled to identify the equipment it controls, or so located that its purpose is evident. *		
7	Insulation on wiring is in good condition.		
8	Electrical equipment installed or used in wet or hazard class locations is approved for such use. *		
9	Space heaters are approved by a Nationally Recognized Testing Laboratory (NRTL). *		
10	Warning signs and/or physical barriers are used to keep unauthorized employees a safe distance from exposed energized electrical equipment parts above 50 volts. *		
11	Electrical rooms or enclosures containing live parts/conductors operating at greater than 600 volts are locked and labeled "Danger High Voltage". *		
12	Holes through which conductors pass will not cause damage to conductor.		
13	Other.		
AA	BUILDING EXTERNAL CONDITIONS		
1	Recreational areas (e.g., basketball/volleyball courts) are clear of hazards that could cause a trip or fall.		
2	Parking lot is free of unmitigated identified hazards.		
3	Parking area obstructions are marked to ensure visibility to backing vehicles. Unneeded objects are removed from parking lot.		
4	Drainage of roof scuppers appears to be away from the foundation and walking surfaces.		
5	Sidewalks, stairways, and ramps in good condition to help prevent tripping hazards.		
6	An approved all metal receptacle is being used for disposal of all smoking debris/waste. The smoking receptacle is not overfilled.		
7	Other.		
BB	MISCELLANEOUS		

NOTES:

- This checklist is to be used as a guide by the team to perform the safety inspection. Observations should be noted on the attached observation sheet. Line items are taken from 10 CFR 551 and 29 CFR 1910 requirements, unless otherwise noted.
- Items in section A must be included in the final checklist. If the item is not applicable it

Building External Conditions

1. Recreational areas (e.g., basketball/volleyball courts) are clear of hazards that could cause a trip or fall.
2. Parking lot is free of unmitigated identified hazards.
3. Parking area obstructions are marked to ensure visibility to backing vehicles. Unneeded objects are removed from parking lot.
4. Drainage of roof scuppers appears to be away from the foundation and walking surfaces.
5. Sidewalks, stairways, and ramps in good condition to help prevent tripping hazards
6. An approved all metal receptacle is being used for disposal of all smoking debris/waste. The smoking receptacle is not overfilled.
7. Other

Building External Conditions

1. Recreational areas (e.g., basketball/volleyball courts) are clear of hazards that could cause a trip or fall.
- Some of our facilities have recreational areas set up near our facilities. These are to help support employee physical activities on a voluntary basis.
 - These can include basketball or volleyball.



Building External Conditions

1. Recreational areas (e.g., basketball/volleyball courts) are clear of hazards that could cause a trip or fall.

- ▣ Some of the issues you want to look at would include not only the condition of equipment (are the welds intact, supporting poles stable, etc.) but also the actual condition of the playing surface.
- ▣ Are there holes, cracks, debris, weeds, etc. that could create a tripping hazard



Building External Conditions

1. Recreational areas (e.g., basketball/volleyball courts) are clear of hazards that could cause a trip or fall.
 - ▣ A compliant rating would indicate that the area was free of any obvious hazards that could cause an injury.



Building External Conditions

1. Recreational areas (e.g., basketball/volleyball courts) are clear of hazards that could cause a trip or fall.
 - ▣ A compliant rating would indicate that the area was free of any obvious hazards that could cause an injury.
 - ▣ A non compliant rating would indicate that this was not the case and would be need to communicated on the inspection for corrective action.



Building External Conditions

2. Parking lot is free of unmitigated identified hazards.

- ▣ The purpose of this item is to ensure that any hazards are identified that may be in the parking lot. Dependent upon the location and facilities that are served some of the issues that need to be looked at are:
 - Are parking spots and traffic lanes identified?



Building External Conditions

2. Parking lot is free of unmitigated identified hazards.

- The purpose of this item is to ensure that any hazards are identified that may be in the parking lot. Dependent upon the location and facilities that are served some of the issues that need to be looked at are:
 - Are parking spots and traffic lanes identified?
 - Is the surface of the lot damaged or intact?
 - Is the discharge from the lot safe so that oncoming traffic or pedestrians can be seen?



Building External Conditions

2. Parking lot is free of unmitigated identified hazards.

- ▣ Generally, there are a number of issues that could be looked at. If the parking lot is safe for traffic and pedestrians and no unidentified hazards are present then this item would be rated as compliant.



Building External Conditions

2. Parking lot is free of unmitigated identified hazards.

- ▣ If, on the other hand, there are unidentified hazards or the lot has hazards not identified then the rating would be non compliant.



Building External Conditions

3. Parking area obstructions are marked to ensure visibility to backing vehicles. Unneeded objects are removed from parking lot.
 - ▣ This item is deal with a problem that has arisen over the last few years.
 - ▣ Hanford has made efforts in complying with standards and concerns by ensuring that hazards in parking lots are identified for snow removal, traffic control, and to aid in backing vehicles.



Building External Conditions

3. Parking area obstructions are marked to ensure visibility to backing vehicles. Unneeded objects are removed from parking lot.
- ▣ Different methods have been used to mark these hazards or equipment, bollards, bicycle flags, T-posts, and different types/styles of cones.
 - ▣ The difficulty with this is that many of these either break down with weather or may be too short to be visible for the SUV's and Trucks being used in the lots.



Building External Conditions

3. Parking area obstructions are marked to ensure visibility to backing vehicles. Unneeded objects are removed from parking lot.
- ▣ This item is to determine if these obstructions are identified and more importantly can be seen during backing operations of vehicles.



Building External Conditions

3. Parking area obstructions are marked to ensure visibility to backing vehicles. Unneeded objects are removed from parking lot.

- ▣ A compliant rating would be that the obstruction (in this case bollards protecting HVAC equipment) are marked and would be visible from all the vehicles that would be backing near them.



Building External Conditions

3. Parking area obstructions are marked to ensure visibility to backing vehicles. Unneeded objects are removed from parking lot.
- ▣ A non compliant rating would be that the obstruction (in this case bollards protecting a pad mounted transformer) are inadequately or not marked and may not be visible from all the vehicles that would be backing near them.



Building External Conditions

4. Drainage of roof scuppers appears to be away from the foundation and walking surfaces.

- ▣ Roof scuppers are the holes designed into roofs to drain water. They can be internal to the building or external.
- ▣ This item is looking to see if the scuppers are draining water away from the building or is the water collecting at the foundation, on walking surfaces, or creating other hazards.



Building External Conditions

4. Drainage of roof scuppers appears to be away from the foundation and walking surfaces.

- ▣ A compliant rating would indicate the scuppers are draining in a safe manner not damaging walkways or the building.



Building External Conditions

4. Drainage of roof scuppers appears to be away from the foundation and walking surfaces.

▣ A non compliant rating would indicate the scuppers are not draining in a safe manner:

- Damaging the walkways.
- Damaging the foundation.
- Causing surface water to create conditions where soil subsidence could result.



Building External Conditions

5. Sidewalks, stairways, and ramps in good condition to help prevent tripping hazards
 - ▣ The purpose of this item is to ensure that the walking surfaces outside of the buildings are safe. Many times the lighting in these areas can be quite low and tripping hazards from abrupt edges, broken concrete, steep slopes all can result in a fall.



Building External Conditions

5. Sidewalks, stairways, and ramps in good condition to help prevent tripping hazards

- ▣ Also, during the winter months we can have ice, snow or other wet surfaces creating a hazard for workers as they walk on sidewalks and in parking lots.



Building External Conditions

5. Sidewalks, stairways, and ramps in good condition to help prevent tripping hazards
 - ▣ If the walking surface is safe, no tripping or slipping hazards then this item is compliant.



Building External Conditions

5. Sidewalks, stairways, and ramps in good condition to help prevent tripping hazards

▣ If the walking surface is:

- ▣ Cracked
- ▣ Open Holes
- ▣ Unmarked/non obvious falls on the edge

▣ Snow or ice
then it would be non compliant.



Building External Conditions

6. An approved all metal receptacle is being used for disposal of all smoking debris/waste. The smoking receptacle is not overfilled.
- ▣ Smoking is not allowed in any vehicles or buildings owned or leased by DOE. Additionally, smoking is not allowed within 25 feet of any building entrance.
 - ▣ To facilitate those who choose to smoke we require that tobacco and ashes be disposed of in metal cans designed for this purpose.



Building External Conditions

6. An approved all metal receptacle is being used for disposal of all smoking debris/waste. The smoking receptacle is not overfilled.
- ▣ A rating of compliant would indicate that the receptacle was in place and in use.



Building External Conditions

6. An approved all metal receptacle is being used for disposal of all smoking debris/waste. The smoking receptacle is not overfilled.

- ▣ A non compliant rating would indicate that a suitable receptacle was not in place, was overfull, or was not used.



Building External Conditions

- 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)

Building External Conditions

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