

# FIREWORKS DISPLAY INSPECTION CHECKLIST

Display Location:

Sponsor:

Display Date(s):

Operator:

License No:

Contact Person:

Phone:

Fire Department:

Local AHJ Contacted

## PERSONNEL

- Verify display operator identity
- Verify information on the identity and ages of all assistants
- Appropriate protective gear available for persons manually discharging firework

## SECURITY

- Verify site security of storage area, discharge area, display area and fallout area as indicated on approved plan.
- Fireworks storage is in an approved manner and location
- Verify arrangements for traffic and crowd control

## MORTAR INSPECTION

- Cast iron, stove pipe, culvert, clay, bamboo, and wood mortars prohibited
- Mortars are inspected prior to use for defects, debris, etc.
- Base plugs are securely attached to bottom of mortars
- Mortars are aimed over fallout area and away from spectators
- Mortars properly buried to at least 2/3 of their overall length

## RACK INSPECTION

- Racks can have no more than (a) 15: 3" mortars, (b) 12: 4" mortars, (c) 10: 5" or 6" mortars
- Mortar racks or bundles that are not inherently stable shall be secured or braced by means of stakes, legs, A-frames, side-boards, or equivalent means

## DRUM/TROUGH INSPECTION

- Troughs and drums shall be filled with sand or soft dirt and, in all cases, shall be free of stones or other potentially dangerous debris
- Troughs shall be reinforced or braced in a minimum of two places on the sides at intervals not greater than every 4'
- A separation distance of at least 2" or one-half the diameter of the mortar, whichever is greater, shall be required between the mortar and the wall of the trough or drum
- Mortars are buried in trough or drum to 2/3 of their overall length

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## AERIAL SHELL INSPECTION

- Operator examines shells for damage
- Operator sizes shell for proper fit in mortars

## DISPLAY AREA INSPECTION

- Location is as per approved site plan  
\_\_\_\_\_ = diameter of largest shell to be fired during display
- Minimum site size requirements per NFPA 1123 (*radius of 70 feet per inch of largest shell diameter*)  
Table 5.1.3.1 "Distance from Mortars to Spectators":

Mortar Size:	3"	4"	5"	6"	7"	8"	10"	12"
Minimum Secured Diameter of Site:	420'	560'	700'	840'	980'	1120'	1400'	1680'

- Angled mortars may be 1/3 of the distance closer to the spectator areas to allow for wind but the secured area size does not change
- Arrangements provided to secure fallout area when shell loading begins

## ELECTRICALLY-FIRED DISPLAY INSPECTION

- Electrical firing units shall be manufactured specifically for use in the electrical ignition of pyrotechnic devices or explosives
- Manual electrical firing units shall have at least two positive actions necessary to apply a firing current
- Firing panel located a minimum of 75' from mortars
- Mortars located within unobstructed full view of operator

## MANUALLY FIRED DISPLAY INSPECTION

- Safety caps protecting fuses remain in place until immediately before firing

## READY BOXES

- Approved ready boxes must be weather-resistant container to protect from burning debris with a self-closing cover or equivalent means of closure
- Ready boxes are located more than 25 feet upwind of the closest mortar

Inspection By:		Inspection Date:	
<input type="checkbox"/> Display Approved	<input type="checkbox"/> Display Not Approved	Re-Inspection Date Scheduled:	
Re-Inspection By:		Re-Inspection Date:	
<input type="checkbox"/> Display Approved After Re-Inspection		<input type="checkbox"/> Display Not Approved After Re-Inspection	