# FIREWORKS DISPLAY INSPECTION CHECKLIST

<table>
<thead>
<tr>
<th>Display Location:</th>
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<tbody>
<tr>
<td>Sponsor:</td>
</tr>
<tr>
<td>Operator:</td>
</tr>
<tr>
<td>Contact Person:</td>
</tr>
<tr>
<td>Fire Department:</td>
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</tbody>
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## 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
- □ 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”:

<table>
<thead>
<tr>
<th>Mortar Size:</th>
<th>□ 3”</th>
<th>□ 4”</th>
<th>□ 5”</th>
<th>□ 6”</th>
<th>□ 7”</th>
<th>□ 8”</th>
<th>□ 10”</th>
<th>□ 12”</th>
</tr>
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<tbody>
<tr>
<td>Minimum Secured Diameter of Site:</td>
<td>420’</td>
<td>560’</td>
<td>700’</td>
<td>840’</td>
<td>980’</td>
<td>1120’</td>
<td>1400’</td>
<td>1680’</td>
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</table>

- □ 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

<table>
<thead>
<tr>
<th>Inspection By:</th>
<th>Inspection Date:</th>
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<tbody>
<tr>
<td>□ Display Approved</td>
<td>□ Display Not Approved</td>
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<table>
<thead>
<tr>
<th>Re-Inspection Date Scheduled:</th>
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<tbody>
<tr>
<td>Re-Inspection By:</td>
</tr>
<tr>
<td>Re-Inspection Date:</td>
</tr>
<tr>
<td>□ Display Approved After Re-Inspection</td>
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