**UNCONTROLLED IF PRINTED**

# Mobile Crane Operation
# Critical Lift Plan

**Lift Identification:**

Location: Plant _____ Department or description _____

Lift Supervisor Name _____ Date of Lift _____

Lift Description _____

Crane Operator: _____ Years of Experience _____(3 min. years required)

Rigger: _____ Years of Experience _____

Supervisor: _____ Years of Experience _____

**Check All that Apply:**

___ Lift exceeds 50 tons
___ Load exceeds 75% of cranes rated capacity
___ More than one crane (or other lifting equipment) lifting a common load
___ Lift involves a flexible object (tank shell)
___ Lift over occupied work areas or roadways
___ Lift of highly valuable or hazardous material
___ Crane supported on a structure
___ Lift using an occupied man basket to lift personnel
___ Lifts using a helicopter
___ Non-standard or specially modified crane configuration
___ Demolition Work
___ Operating crane outside at night

**Lift Plan Specifics:**

Identity of Item to be lifted: _____
Exact size (dimensions) of item to be lifted: _____
Weight of the load to be lifted, including all crane and rigging components: _____
Manufacturer's Maximum load limits (entire range of _____

**The following shall be attached to this Lift Plan:**

- The plan shall specify the lift geometry, center of gravity, and procedures including the crane position, height of the lift, the load radius, and the boom length and angle for the entire range of the lift.

  The plan shall include a rigging plan that shows the lifts points, method of attachment(s), load angle factors (vertical and horizontal vectors of sling loads), sling angles, accessories used, and other factors affecting the equipment capacity.

  The plan shall describe the ground conditions, outrigger or crawler track requirements, and if necessary, the design of mats necessary to achieve a level, stable foundation of sufficient bearing capacity for the lift.

  The plan shall list environmental conditions under which lift operations are to be stopped. It should be determined in advance what environmental conditions will cancel the lift including wind speed, visibility, rain/snow, or lighting. The maximum wind speed for the crane shall be determined by consulting the manufacturer's owner's manual.

  The plan shall specify coordination and communication requirements for the lift operation**.**

Signature of Crane Operator _____ Clock # _____
Signature of Supervisor _____ Clock # _____
Signature of Plant Safety Manager _____ Clock# _____