

ORNL HOISTING AND RIGGING PROGRAM CRITICAL LIFT PLAN

The following applies on all critical lifts:

- Requires review and approval by the Hoisting and Rigging Review Team and Level 2 Managers.
- Only trained and qualified personnel will be used when making critical lifts.
- Requires rigging sketches/drawings or revisions.
- A pre-lift meeting will be conducted involving all participants to review the approved lift plan and resolve any questions.

Presented by:

Date:

Phone:

1. Item(s) to be lifted:

Scheduled lift date:

Location of lift:

Describe lift, including weight, key dimensions and center of gravity; develop and attach rigging sketches in detail appropriate to the complexity of the lift. (Add attachments as necessary.)

Is a trial lift required? Yes No

Does the lift consist of a hazardous, radioactive, or contaminated material? Yes No

If Yes, identify: _____

2. Procedures/References:

DOE-STD-1090-2007, "DOE Hoisting and Rigging Technical Standard"

OSHA 29 CFR 1910.178, .179, .180, .184

ORNL Procedure(s): SBMS "Hoisting and Rigging" and "Work Control"

Other: _____

3. Hoisting equipment:

Type:

Manufacturer:

Model:

Capacity:

Serial:

Date of latest annual inspection:

Latest calibration date of instruments:

4. Rigging and below the hook hardware: *

Note: Prior to use, hardware must be labeled with the manufacturer's name, lifting device, weight, serial number, and rated capacity.

Type of slings:

Rated capacity:

Weight:

Shackles:

Lifting rings/eyebolts:

Riggings hooks:

Load block/jib:

Spreader bars/Below the hook lifting devices

Rated capacity:

Weight:

Total weight (Rigging equipment, below the hook hardware, & crane attachments):

Weight load to be lifted:

Total weight:

***Equivalent or greater rigging may be substituted by ORNL professional riggers.**

Pre-lift inspection to be completed before beginning the lift:

- Total weight of lift including rigging and below the hook hardware:
- Pre-use inspection of hoisting equipment (documented):
- Pre-use inspection of rigging and below the hook hardware:
- Dimensions, center of gravity, and arrangements in accordance with attached rigging sketches:
(COG will be marked on load and a drawing included showing how it was determined.)
- Footprint area for crane setup has been reviewed for underground hazard:
- Mobile crane set up with outriggers fully extended, pads on solid footing, tires clear of ground and crane level:
- Trial lift complete (when specified in Section 1):

Comments:

Person-In-Charge:

Initials:

Badge:

Date:

***PIC must be present during entire critical lift and be qualified to resolve any questions or problems that may arise during the lifting operation.**

The following hoisting and lifting personnel (HLP) have attended the pre-lift meeting, reviewed the approved lift plan, and understand the procedure and equipment to be used:

HLP signatures: (Attach additional signature sheet if necessary)

- | | |
|----|-----|
| 1. | 6. |
| 2. | 7. |
| 3. | 8. |
| 4. | 9. |
| 5. | 10. |

Person-In-Charge Signature:

Date: