

Idaho National Laboratory

WALKING AND WORKING SURFACES	Identifier: RD-2005
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Subcontractors	Program Requirements Document	eCR Number: 608994
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Manual: INL Subcontractor Requirements

Entire Document Changed

1. PURPOSE

This document presents requirements for the design, maintenance, and use of walking and working surfaces in order to minimize hazards to personnel. This document highlights requirements referenced in the “Source Documents” of this document, as well as Contractor requirements. Any applicable regulatory or Contractor requirements shall be followed, with the most stringent requirement being met.

2. APPLICABILITY

This document applies to all subcontractors working at the INL, as specified in their contract with Contractor. Stricter requirements may be imposed by subcontractors upon their employees or subtier contractors. The requirements of this document shall be followed by subcontractors, however, the means of implementation may vary as determined by the subcontractor.

3. REQUIREMENTS**3.1 Establishing Safe Walking and Working Surfaces**

- 3.1.1 Aisles and passageways shall be appropriately marked.
29 CFR 1910.22(b)(2)
- 3.1.2 On every open-sided floor or platform 4 feet or more above adjacent floor or ground level, a standard railing shall be installed except where there is entrance to a ramp, stairway, or fixed ladder.
 - 3.1.2.1 The railing shall have a toeboard installed when any of the following conditions exists beneath the open sides:
 - A. persons can pass
 - B. there is moving machinery
 - C. equipment exists where falling materials could create a hazard
 - D. dangerous equipment, de-greasing units, and similar hazards exist.. 29 CFR 1910.23(c)(3)
- 3.1.3 Open pits, tanks, and vats, etc., shall be provided with covers and/or guardrails.
- 3.1.4 If material is piled higher than the toeboard, and the toeboard does not provide adequate protection, then paneling (can be screen or mesh of

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appropriate size) shall be installed from the floor to the midrail or top rail. 29 CFR 1910.23(e)(4)

3.2 Maintaining Safe Walking and Working Surfaces

- 3.2.1 Walking and working surfaces in assigned work areas shall be maintained in a safe, orderly, and sanitary condition.
- 3.2.1.1 Work area floors shall be kept clean and as dry 29 CFR 1910.22(a)(1) as possible.
- 3.2.1.2 Floors shall be kept free from protruding nails, splinters, holes, loose boards and any other material or debris that can contribute to an unsafe pathway or work area. Housekeeping shall be conducted throughout the work shift to prevent an accumulation of debris, and the staging of materials shall be managed in a manner that will not allow materials to become an impediment to adjacent work areas. 29 CFR 1910.22(a)(3)
- 3.2.1.3 Aisles and passageways shall be kept clear and in good repair, with no obstruction across or in aisles that could create a hazard. 29 CFR 1910.22(b)(1)
- 3.2.1.4 Where wet processes are used, adequate drainage shall be maintained, and false floors, platforms, mats, or other dry standing places shall be provided where practical.
- 3.2.1.5 Where mechanical handling equipment is used, sufficient safe clearances shall be allowed for aisles, at loading docks, through doorways, and wherever turns or passage must be made. 29 CFR 1910.22(b)(1)
- 3.2.1.6 Work shall be performed only on working surfaces which have adequate strength and structural integrity.
- 3.2.1.7 Electrical cords, welding leads, hoses, and so forth shall be protected in access ways to prevent tripping hazards. Driving over cords or hoses with vehicles, equipment, wheelbarrows or torch carts etc. must be prevented by relocating the cords, installing cord bridges or other methods that protect the worker and the cord.
- 3.2.2 Outdoor work platforms shall be kept clean and free of ice and snow.

3.3 Guarding of Floor and Wall Openings and Holes

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- 3.3.1 All floor and wall openings through which tools and other objects may fall, creating a hazard to employees on a lower level, shall be protected by a cover securely held in place.
- 3.3.2 All temporary covers shall be marked with a Danger sign, in accordance with RD-2022, "Signs, Color Codes, and Barricades".

4. DEFINITIONS

For definitions of terms used throughout the INL Subcontractor Requirements Manual, refer to LST-359.

5. REFERENCES

5.1 Source Documents

- 29 CFR 1910.22, General Requirements
- 29 CFR 1910.23, Guarding Floor and Wall Openings and Holes

5.2 Related Requirements

The following documents may also contain requirements that apply to this activity:

- RD-2002, Fall Protection
- RD-2022, Signs, Color Codes, and Barricades.