

Program Requirements Document

Temporary Facilities



Fluor Idaho, LLC, is the Idaho Cleanup Project Core contractor for the U.S. Department of Energy

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Subcontractors	Program Requirements Document	For Additional Info: http://EDMS	Effective Date: 05/30/2018
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Manual: Subcontractor Requirements

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*The current revision can be verified on EDMS.

1. PURPOSE

This document provides requirements for the locating, constructing, setting up, and using of *temporary facilities* (see def.), in order to ensure the safety of workers, visitors, property, and the environment. This document implements requirements from DOE O 420.1C, 10 CFR 851, 29 CFR 1910, 29 CFR 1926, PRD-199, and the National Fire Protection Association (NFPA) codes and standards along with *contractor* (see def.) requirements. Any applicable regulatory or contractor requirements must be followed, with the most stringent requirement being met.

2. APPLICABILITY

This document applies to all subcontractors who locate, construct, set up, or use temporary facilities at the INL, as specified in their contract with contractor. Stricter requirements may be imposed by subcontractors upon their employees or sub-tier contractors. The requirements of this document must be followed by subcontractors; however, the means of implementation may vary as determined by the subcontractor.

NOTE: *Throughout this document references to Idaho Cleanup Project (ICP) is analogous with Idaho Cleanup Project Core.*

3. REQUIREMENTS

3.1 Location of Temporary Facilities

3.1.1 Subcontractors shall work with the *contractor Point of Contact* (POC) to ensure that temporary facilities are located appropriately and comply with the following requirements:

3.1.1.1 Facility locations shall be evaluated and selected in compliance with the requirements related to location listed in DOE-STD-1066-2012, Fire Protection which superseded DOE-STD-1088-95.

3.1.1.2 Exposures presented by structures such as exterior canopies and connecting walkways shall be considered when determining separation distances and protection features.

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- 3.1.1.3 Tents and other fabric-type structures shall comply with the requirements in National Fire Protection Association (NFPA) 701 "Standard Methods of Fire Tests for Flame Propagation of Textiles and Films".
- 3.1.1.4 Temporary facilities shall not be placed inside of another building or structure without sprinklers, unless a fire hazard analysis demonstrates that there is no significant increase of fire risk to the facility, and they shall be constructed of non-combustible material or of material having a fire resistance of not less than one hour.
- 3.1.1.5 Temporary facilities shall not be located where they impede or hinder personnel exit or entrance into, or within other facilities or structures.
- 3.1.1.6 Temporary facility locations shall meet the following criteria:
- A. The locations shall permit emergency vehicles to operate within 100 feet of the facilities.
 - B. The facilities shall not block fire-fighting equipment.
 - C. The facilities shall not impede or hinder the access of emergency response vehicles to other facilities or structures.
 - D. The space between the structure and the road shall be free of natural obstructions that would prevent or severely restrict access by emergency responders or snow removal equipment (10-foot minimum).
 - E. The subcontractor shall provide a site map that includes utility locations to the Contractor for snow removal purposes. This site map shall be submitted as vendor data per PRD-5003.
 - F. Security barriers shall be designed to allow emergency access.
 - G. Landscaping and other obstructions shall not restrict emergency access.

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3.1.1.7 The contractor POC shall be contacted to determine whether the temporary facility location must be surveyed for ordnance and cultural resources before the facility is placed.

3.1.1.8 The temporary facility locations shall be evaluated for wildland fire exposures; where a significant fire risk exists, use appropriate fire-resistive building materials or other methods of protection as determined by the facility fire protection engineer.

3.2 Construction Standards and Materials

3.2.1 All temporary weather protection enclosures shall be provided with adequate light and ventilation for personnel safety.

3.2.2 Temporary facilities, with the exception of semi-trailers and cargo containers, shall be constructed in accordance with the International Building Code and NFPA Codes and Standards.

3.2.3 The following standards shall be met for construction of any temporary facility:

- A. Tie down protection shall be utilized as required by the IBC or other national codes or standards.
- B. Open under-floor areas shall have skirting to prevent accumulation of combustibles and debris beneath the structures.
- C. Utility hookups shall include freeze protection and shall be approved by contractor and the operating subcontractor.
- D. Service conductor clearances and disconnects shall comply with NFPA 70, the National Electrical Code, (NEC).
 - a. Service conductors shall be physically protected from accidental damage per NEC requirements
- E. The electric panel in a temporary facility shall be clearly marked to show the identification of the source of power feeding the panel.
- F. All exterior receptacles shall use weatherproof covers that protect cords that are attached to the receptacle.

3.2.4 Facilities that will be occupied shall be tied down before occupancy begins.

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- 3.2.5 Facilities that will be in one location for a period greater than 30 consecutive days and that will be used for storage only shall be tied down, with proper access maintained.
- 3.2.6 All electrical wiring shall be installed in accordance with the NEC.”
- 3.2.7 Flammable and combustible materials shall be held to a minimum and stored in an approved flammable storage cabinet.
- 3.2.8 Applicable safety and fire protection requirements from DOE-STD-1066-2012, Fire Protection , and NFPA-101, Code for Safety to Life from Fire in Buildings and Structures, shall be met for all temporary facilities.
- 3.2.9 All portable space heating devices shall be situated so they have clearance from combustible material and equipment.
- 3.2.10 Permanent space heating devices shall be installed in accordance with their listing, including clearance from combustible material, equipment or the structure it is mounted to.

3.3 Inspection Requirements

- 3.3.1 After a temporary facility is located, tied down and connected to Site utilities, it shall be inspected by the Contractors QA representative, the facility Fire Protection Engineer and the Fire Marshal/Authority Having Jurisdiction (AHJ) for conformance to the requirements and a Certificate of Occupancy issued before the facility is put into service.

NOTE 1: *Any deficiencies identified shall be corrected before the Subcontractor occupies the temporary facility.*

NOTE 2: *An issued Abbreviated Fire Assessment (AFA) completed by the facility Fire Protection Engineer is equivalent to a Certificate of Occupancy in accordance with ICP-AHJ-04-12.*

4. DEFINITIONS

See LST-27

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5. REFERENCES

5.1 Source Documents

10 CFR 851, “Worker Health and Safety Program”

29 CFR 1910, “OSHA Standards for General Industry”

29 CFR 1926.51, “OSHA Standards for the Construction Industry”

STD-116, “Architectural-Engineering Standards, Appendix K”

DOE O 420.1C, “Facility Safety,” U.S. Department of Energy

DOE-STD-1066-2012, “Fire Protection,” U.S. Department of Energy

International Building Code (IBC)

PRD-199, “Fire Protection Program”

National Fire Protection Association (NFPA) Codes and Standards

Underwriter’s Laboratory, “Building Materials Directory”

6. APPENDIXES

None