



Contractor Safety

Environmental Health and Safety

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I. Purpose

This program establishes minimum guidelines for safety and accident prevention during construction, renovation, and maintenance activities at Northwestern University, in accordance with Northwestern's [Environmental Health and Safety](#) (EHS) Policy and programs.

II.

Northwestern Project Manager of the addition, removal, or change to confined spaces on Northwestern property.

- D.
 - i. Coordinate all lockout/tagout activities with Northwestern Project Managers and adhere to Northwestern's [Control of Hazardous Energy \(Lockout/Tagout\)](#) program for all service and maintenance requiring the isolation and de-energization of hazardous energy sources.
 - ii. All lockout/tagout activities must be completed in the form of group lockout/tagout. Northwestern will shut down machines, equipment, and systems prior to any work beginning, then all parties will apply their locks.
 - iii. Contractors and subcontractors are not permitted to shut down machines, equipment, and systems.
 - iv. Responsible for supplying their own locks and tags. These devices must meet the requirements outlined in Northwestern's Control of Hazardous Energy (Lockout/Tagout) program.
- E.
 - i. Contractor-controlled worksites must develop and implement a crane program that meets or exceeds Northwestern and OSHA requirements.
 - ii. Critical crane lift and logistics plans must meet the requirements of Northwestern's [Mobile Crane Critical Lift Operations Checklist](#) and be submitted by Northwestern Project Managers to EHS for review. Critical crane lifts are defined as:
 - a. Hoisting loads 75% or more of the rated crane capacity,
 - b. 2 or more cranes required to perform a lift,
 - c. Movement of crane carriage with a load,
 - d. Use of personnel platforms,
 - e. Hoisting sensitive loads,
 - f. Hoisting loads over occupied buildings,
 - g. Hoisting loads outside construction areas, and
 - h. Work involving encroachment on a public right-of-way.

F. In the event demolition and construction activities may potentially create dust and odors that adversely affect contractor personnel as well as people in adjacent areas, contractors must:

- i. Evaluate the spaces and areas they will be working in and identify activities and conditions that will contribute to a36hurer acrie004 Tc 0.006 Tw9 (ru)Tj/Tributelv rucv0.8. 0.00

- G.
 - i. All electrical work must be performed de-energized; if not feasible, [contact EHS](#).
 - ii. All electrical work must adhere to Northwestern's [Control of Hazardous Energy \(Lockout/Tagout\)](#) program, where applicable.
 - iii. Barrier or guard passageways, mechanical rooms, and other worksites where electrical work is being performed.
- H.
 - i. Adhere to Northwestern's [Fall Protection](#) program when personnel are exposed to fall hazards (e.g., rooftops).
 - ii. Establish and implement a fall protection plan, including rescue procedures, under the supervision of a competent person, and provide fall protection when workers will be exposed to fall hazards 4-feet or greater in height (e.g., roofing work, steel erection).
 - iii. Protect employees from fall hazards with the use of guardrails, gates, covers, personal fall protection systems, lifelines, or other effective means deemed appropriate to eliminate or reduce the hazard.
- I.
 - i. Impairments to existing sprinkler pexist(t)-3 (h8e)-3 (d)13 0 Tw 5.63 0 (w)-16tpomene (p)5.10.8

ii.

- ii. Operators must be trained and authorized.
- iii. Mobile elevated work platforms must be inspected by the authorized operator prior to operation

- trench boxes) as determined by soil type.
- viii. Barricades must be in place to protect equipment, pedestrians, workers, and vehicles from fall hazards.

U.

- i. Adhere to Northwestern's [Unmanned Aircraft Systems](#) program when operating UAS on or above Northwestern property.
- ii. Adhere to the Federal Aviation Administration (FAA) and any other applicable regulations (e.g., city).

V.

Adhere to Northwestern's [Water Intrusion](#) guide when responding to and/or are affected by water intrusion events on Northwestern property.

VI. Research Laboratory Access

Available at: 5-4160(71e21(1)-4.030).T
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VIII. Emergencies

- A. Evacuate buildings immediately upon an evacuation alarm, or as instructed by emergency responders (e.g., police or fire department).
- B.

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