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# MIOSHA

Michigan Occupational Safety and Health Administration (MIOSHA)  
Department of Licensing and Regulatory Affairs (LARA)

# AGENCY INSTRUCTION

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DOCUMENT IDENTIFIER:  
MIOSHA-COM-19-1

DATE:  
February 12, 2019

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**SUBJECT: Trenching and Excavation – National Emphasis Program (NEP)**

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- I. Purpose. This instruction describes agency enforcement and consultation policies and provides instruction to ensure compliance with the federal Occupational Safety and Health Administration (OSHA) NEP for trenching and excavation.
- II. Scope. This instruction applies to the Construction Safety and Health Division (CSHD) and the Consultation Education and Training (CET) Division.
- III. References.
  - A. Agency Instruction MIOSHA-ADM-13-1, [MIOSHA Initiatives](#)
  - B. Construction Safety Standard, Part 1. [General Rules](#)
  - C. Construction Safety Standard, Part 9. [Excavation, Trenching, and Shoring](#)
  - D. Construction Safety Standard, Part 45. [Fall Protection](#)
  - E. OSHA Directive CPL-02-00-161, [National Emphasis Program on Trenching and Excavation](#), October 2018
  - F. OSHA Directive CPL-02-00-087, [Inspection Procedures for Enforcing the Excavation Standard](#), 29 CFR 1926, Subpart P, February 1990
  - F. [MIOSHA Field Operations Manual \(FOM\)](#), as amended
- IV. Distribution. MIOSHA Staff; Federal OSHA; S-drive Accessible; MIOSHA Messenger; and Internet Accessible.
- V. Next Review Date. This instruction will be reviewed in 5 years from date of issuance.
- VI. Contact. [Lawrence Hidalgo, Jr.](#), Division Director, CSHD and [Nella Davis-Ray](#), Division Director, CET Division
- VII. Originator. Barton G. Pickelman, Director
- VIII. Background. In 1985, OSHA implemented CPL 02-00-069 - Special Emphasis: Trenching and Excavation, in response to the continuing incidence of trench/excavation collapses and accompanying loss of life. According to the Census of Fatal Occupational Injuries (CFOI) data, published by the Bureau of Labor Statistics (BLS), there were 130 fatalities recorded in trenching and excavation operations between 2011 and 2016. The private construction industry accounted for 80%, or 104, of those fatalities. An alarming 49% of those construction fatalities occurred between 2015 and 2016. In light of the recent resurgent number of trenching/excavation fatalities and serious injuries, OSHA determined that these worksites continue to warrant an increased enforcement presence. CPL-02-00-161 describes a federal program change which replaces CPL 02-00-069. With this instruction, MIOSHA establishes enforcement policies and procedures for their trenching and excavation inspections which are at least as effective as CPL-02-00-161 of

the federal OSHA NEP on Trenching and Excavation and the associated federal OSHA compliance directive, CPL-02-00-161.

IX. Enforcement Activities

- A. CSHD safety officers (SOs) should initiate inspections under this NEP when they observe an open trench or an open excavation, regardless of whether or not a violation is readily observed. These observations may occur during the course of their normal work-day travel or while engaged in programmed or un-programmed inspections. Trenching and excavation operations will also be assigned for inspection as the result of incidents, referrals, and complaints.
- B. When SOs observe trenching or excavation operations but are unable to begin an immediate inspection (i.e., responding to an incident, etc.), they shall notify their supervisor of their observations.
- C. When SOs observe trenching or excavation operations, they are permitted to initiate an inspection upon discovering an excavation/trench. The SO will give highest priority to preventing further employee exposure if trenching or excavation hazards was observed.
- D. Any unprotected trench or excavation that is brought to the attention of MIOSHA management shall be evaluated, and, if appropriate, inspected (i.e., referrals from city inspectors, state agencies, and other third parties).
- E. Whenever an inspection is initiated under this instruction, on the basis of an SO self-referral, the SO shall include in the case file narrative a description of the circumstances which prompted the inspection.
- F. During all programmed CSHD safety and health inspections (such as national, or state emphasis programs), and during all un-programmed inspections (incidents, complaints and referrals), SOs will observe the surrounding area for open trenches or excavations and conduct an inspection under this NEP, if any are present.
- G. The scope of inspections scheduled under this NEP will be in accordance with the Field Operations Manual (FOM).
- H. Inspections under this NEP shall normally be limited to evaluating worker exposure to safety and health hazards associated with the excavation. However, an SO may expand the scope of an inspection if other safety and/or health hazards or violations are observed in plain view and/or brought to their attention. SOs shall follow the guidelines in the FOM when expanding the scope of any inspection.
- I. At the end of each NEP inspection, the SO will provide the employer with information concerning trenching and excavation hazards. For example, the SO may give the employer the website address for MIOSHA's excavation standards and related outreach materials or provide copies of MIOSHA publications.

X. Outreach Activities

- A. In accordance with MIOSHA-ADM-13-1, MIOSHA Initiatives, CET and CSHD will develop an outreach plan. The plan will be implemented for 90 days prior to initiating inspections under this instruction. CETD construction consultants will continue outreach efforts after the 90-day outreach period has concluded. Outreach activities may include:
1. Letters, LARA media releases, email announcements, MIOSHA News, MIOSHA e-News and trade magazine articles to disseminate information about this NEP.
  2. Developing or revising educational resources (fact sheets, publications, PowerPoint presentations).
  3. CET seminars/informational sessions for employer groups, trade associations, as well as worker groups.
  4. CET training to local licensing/permitting agencies and outreach material for distribution to employers when they request dig permits.
  5. Collaborating with cooperative program participants, including Voluntary Protection Program sites, Partnership sites, and Alliance members, to share success stories and technical information concerning effective means of controlling, reducing or eliminating excavation hazards.
- B. CETD construction consultants will provide consultative assistance at worksites on trenching and excavation hazards at the request of an employer.
- C. CETD construction consultants should expand the scope of a consultative visit when they observe an open trench or an open excavation.
- D. As part of the consultative visit, CETD construction consultants will provide the employer with information concerning trenching and excavation hazards when appropriate.

XI. Activity Coding.

- A. All CSHD enforcement activities (inspections, complaints, and referrals) conducted under this NEP must be coded with the NEP code, “TRENCH,” entered in the OSHA Information System (OIS). Additionally, “Construction” will also be selected under State Emphasis Program. See screenshots below. See Figure 1 and 2.
- B. All CETD on-site consultation activities (Request, Visit, and Compliance Assistance) conducted in response to this NEP will also be coded “TRENCH” into OIS. See Figure 1.
- C. All CETD T&C consultation activities (training, hazard survey, consultation) conducted in accordance with this instruction will be coded as a 2.4c – Trenching activity on their field contact report.

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Trenching and Excavation – National Emphasis Program (NEP)

Figure 1.

Site Info | CSHO Info | Related Activities | Inspection Dates | **Inspection Type** | Contact Info | Narrative/Penalty Factors | Denial of Entry | Case Summary

**Inspection Types**  
Initiating Type: [Redacted] Other Initiating Type: [ ]  
Secondary Types: Select One Or More

**Inspection Emphasis Programs**  
National Emphasis Program: [Dropdown Menu]  
State Emphasis Program: [ ]  
Local Emphasis Program: [ ]  
Primary Emphasis Program: [ ]

Inspection Category\*: [Redacted]  
Sampling Performed\*:  Yes  No  
Scope of Inspection\*: [Redacted]  
SVEP:  Yes  No  
Is an Imminent Danger Notice included in this case?:  Yes  No  
Date Imminent Danger Notice was issued: [ ]

**Strategic Plan Activity**  
Federal Strategic Initiative Program: Select  
State Strategic Initiative Program: Select

AMPUTATE (REDUCING MACHINE HAZARDS LEADING TO AMPUTATIONS)  
BREAKMOA (SHIPBREAKING INSPS-UNDER MOA W/DOD, DOT, EPA)  
BREAKSHP (SHIPBREAKING INSPS NOT UNDER MOA W/DOD, DOT, EPA)  
CHEMNEP (NEP-ELIMINATE HAZARDS FROM RELEASE OF HAZCHEMICALS)  
CHROME6 (ELIMINATE HLTH HAZARDS FROM HEXAVALENT CHROMIUM VI)  
CTARGET (CONSTRUCTION TARGETING INSPECTION REPORT)  
DUSTEXPL (ELIMINATION & PREVENTION OF DUST EXPLOSION HAZARDS)  
FEDTARG (Federal Agency Targeting Inspection Program)  
LEAD (POTENTIAL EXPOSURE TO LEAD IN ALL INDUSTRIES)  
PMETALS (REDUCE SFTY/HLTH INJ/ILL-PRIMARY METAL INDUSTRIES)  
SSTARG16 (Site Specific Targeting Inspections)  
SVEP (SEVERE VIOLATORS ENFORCEMENT NIPROGRAM)  
TRENCH (TRENCHING AND EXCAVATION)

Coding Table  
Enter the Primary Emphasis Program that initiated the inspection

Figure 2.

Site Info | CSHO Info | Related Activities | Inspection Dates | **Inspection Type** | Contact Info | Narrative/Penalty Factors | Denial of Entry | Case Summary

**Inspection Types**  
Initiating Type: [Redacted] Other Initiating Type: [ ]  
Secondary Types: Select One Or More

**Inspection Emphasis Programs**  
National Emphasis Program: Select  
State Emphasis Program: CONSTRUCTION (Construction) x  
Local Emphasis Program: Select  
Primary Emphasis Program: Select One

Coding Table  
Enter the Primary Emphasis Program that initiated the inspection