



Utah Occupational Safety and Health Division (UOSH)

DIRECTIVE NUMBER: 2025-004	EFFECTIVE DATE: December 15, 2025
SUBJECT: Local Emphasis Program for Amputations	ORIGINAL DATE: November 1, 2019 REVISED DATE: November 1, 2024 REVISED DATE: December 15, 2025

ABSTRACT

- Purpose:** This instruction establishes policies and strategies for a Local Emphasis Program (LEP) designed to identify and reduce workplace hazards in manufacturing industries, which are causing or are likely to cause amputations.
- References:**
- Utah Occupational Safety and Health Division (UOSH) Field Operations Manual (UFOM).
 - OSHA Instruction CPL 02-00-025, January 4, 1995, Scheduling System for Programmed Inspections.
 - OSHA Instruction CPL 02-00-170, Enforcement Exemptions and Limitations under the Annual Appropriations Act, July 18, 2024.
 - OSHA Instruction CPL 03-00-027, June 27, 2025, National Emphasis Program on Amputations in Manufacturing Industries.
- Distribution:** UOSH Staff; Federal Occupational Safety and Health Administration Denver Regional Office; H-Drive Accessible; Google Drive Accessible; and Internet Accessible.
- Expiration:** This directive expires December 14, 2030. **EXCEPTION:** Any inspection begun prior to this date may continue until its conclusion.
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I. Goal:

The goal of this directive is to continue an enforcement initiative to identify and reduce workplace hazards that cause or are likely to cause amputations. The intent of the LEP is to identify and focus on workplaces with machines that cause or are capable of causing amputations, as well as workplaces where amputations have occurred, in order to reduce amputation injuries while maximizing the agency's inspection resources. This LEP will enable UOSH to review and analyze injury and illness records to determine whether amputations, avulsions, lacerations or other related injuries have occurred. This LEP also establishes a scheduling system for conducting safety and health inspections to address hazards associated with machine guarding.

II. Scope:

This directive applies to general industry workplaces identified, where any machinery and equipment that are likely to cause amputations are present [See Appendix A (not inclusive) for guidance on the types of machinery and equipment most often associated with amputations].

III. Expiration:

This directive expires on December 14, 2030, but may be renewed as necessary.

IV. Cancellation:

This instruction replaces the Local Emphasis Program for Amputations, 2024-003, November 1, 2024.

V. Background:

Inadequate or improperly applied machine guarding techniques and inadequate control of associated energy during servicing and/or maintenance activities are the primary cause of amputations in manufacturing.

Injuries involving machinery and equipment often result in death or permanent disability. UOSH's inspection history indicates that employee exposures to unguarded or inadequately guarded machinery and equipment, together with associated hazardous energy exposures during servicing and maintenance activities, occur in many workplaces. The operation of machinery and equipment can be extremely dangerous and compliance with UOSH's machine guarding and hazardous energy control standards needs to be improved throughout industry.

Utah Administrative Code (UAC) R614 and 29 CFR 1910 (Subparts J, O, and P) provide for safety measures that need to be used for the safe operation, servicing and maintenance of machinery and equipment. Machinery and equipment are covered by UOSH standards such as, but not limited to:

- UAC R614-5-2 - Conveyors.
- UAC R614-6-1 - Crushing, Screening, and Grinding Equipment.
- UAC R614-6-9 - Filters and Centrifuges.

- UAC R614-6-10 - Food Processing.
- 29 CFR 1910.147 - The control of hazardous energy (lockout/tagout).
- 29 CFR 1910.212 - General requirements for all machines.
- 29 CFR 1910.213 - Woodworking machinery requirements.
- 29 CFR 1910.217 - Mechanical power presses.
- 29 CFR 1910.219 - Mechanical power-transmission apparatus.
- 29 CFR 1910.243 - Guarding of portable powered tools.

VI. Action:

The director or designee shall ensure the procedures outlined in this directive are followed during the effective period of this directive. This directive is not to conflict with inspection priorities as established in the Utah Field Operations Manual (UFOM).

When an inspection is not conducted because the employer has refused entry, a warrant may be sought in accordance with the current procedures for handling such refusals.

VII. Selection and Scheduling of Sites for Inspection:

Inspections conducted under this LEP shall be scheduled as follows:

- A. Using local government sources, telephone directories, trade manuals and other available sources, UOSH will develop an inspection scheduling list of establishments that meet the requirements for inspection under this LEP. This list will be updated annually, but may also be updated at any time as necessary.
- B. UOSH will not conduct programmed safety inspections of small employers (10 or fewer employees) in low hazard industries listed in the Low-Hazard Industries Table in Section XIII., Enforcement Guidance for Small Employers in Low-Hazard Industries, of CPL 02-00-170, Enforcement Exemptions and Limitations under the Appropriations Act.
- C. To help in developing the inspection scheduling list, UOSH has identified industries, listed below, which typically have equipment and/or machinery that are known to cause serious injury, including amputations, and death. There may be other industries not listed below that fall under the scope of this LEP.

North American Industry Classification System (NAICS)

- 3111xx Animal Food Manufacturing
- 3112xx Grain and Oilseed Milling
- 3113xx Sugar and Confectionery Product Manufacturing
- 3114xx Fruit and Vegetable Preserving and Specialty Food Manufacturing
- 3115xx Dairy Product Manufacturing
- 3116xx Animal Slaughtering and Processing
- 3117xx Seafood Product Preparation and Packaging

3118xx Bakeries and Tortilla Manufacturing
 3119xx Other Food Manufacturing
 3121xx Beverage Manufacturing
 3122xx Tobacco Manufacturing
 3131xx Fiber, Yarn, and Thread Mills
 3132xx Fabric Mills
 3133xx Textile and Fabric Finishing and Fabric Coating Mills
 3141xx Textile Furnishing Mills
 3149xx Other Textile Product Mills
 3151xx Apparel Knitting Mills
 3152xx Cut and Sew Apparel Manufacturing
 3159xx Apparel Accessories and Other Apparel Manufacturing
 3161xx Leather and Hide Tanning and Finishing
 3162xx Footwear Manufacturing
 3169xx Other Leather and Allied Product Manufacturing
 3211xx Sawmills and Wood Preservation
 3212xx Veneer, Plywood, and Engineered Wood Product Manufacturing
 3219xx Other Wood Product Manufacturing
 3221xx Pulp, Paper, and Paperboard Mills
 3222xx Converted Paper Product Manufacturing
 3231xx Printing and Related Support Activities
 3241xx Petroleum and Coal Products Manufacturing
 3251xx Basic Chemical Manufacturing
 3252xx Resin, Synthetic Rubber, and Artificial and Synthetic Fibers and Filaments Manufacturing
 3253xx Pesticide, Fertilizer, and Other Agricultural Chemical Manufacturing
 3254xx Pharmaceutical and Medicine Manufacturing
 3255xx Paint, Coating and Adhesive Manufacturing
 3256xx Soap, Cleaning Compound, and Toilet Preparation Manufacturing
 3259xx Other Chemical Product and Preparation Manufacturing stop
 3261xx Plastics Product Manufacturing
 3262xx Rubber Product Manufacturing
 3271xx Clay Product and Refractory Manufacturing
 3272xx Glass and Glass Product Manufacturing
 3273xx Cement and Concrete Product Manufacturing
 3274xx Lime and Gypsum Product Manufacturing
 3279xx Other Nonmetallic Mineral Product Manufacturing
 3311xx Iron and Steel Mills and Ferroalloy Manufacturing
 3312xx Steel Product Manufacturing from Purchased Steel
 3313xx Alumina and Aluminum Production and Processing
 3314xx Nonferrous Metal (except Aluminum) Production and Processing
 3315xx Foundries

3321xx Forging and Stamping
 3322xx Cutlery and Handtool Manufacturing
 3323xx Architectural and Structural Metals Manufacturing
 3324xx Boiler, Tank, and Shipping Container Manufacturing
 3325xx Hardware Manufacturing
 3326xx Spring and Wire Product Manufacturing
 3327xx Machine Shops; Turned Product; and Screw, Nut and Bolt Manufacturing
 3328xx Coating, Engraving, Heat Treating, and Allied Activities
 3329xx Other Fabricated Metal Product Manufacturing
 3331xx Agriculture, Construction, and Mining Machinery Manufacturing
 3332xx Industrial Machinery Manufacturing
 3333xx Commercial and Service Industry Machinery Manufacturing
 3334xx Ventilation, Heating, Air-Conditioning, and Commercial Refrigeration
 Equipment Manufacturing
 3335xx Metalworking Machinery Manufacturing
 3336xx Engine, Turbine, and Power Transmission Equipment Manufacturing
 3339xx Other General Purpose Machinery Manufacturing
 3341xx Computer and Peripheral Equipment Manufacturing
 3342xx Communications Equipment Manufacturing
 3343xx Audio and Video Equipment Manufacturing
 3344xx Semiconductor and Other Electronic Component Manufacturing
 3345xx Navigational, Measuring, Electromedical, and Control Instruments
 Manufacturing
 3346xx Manufacturing and Reproducing Magnetic and Optical Media
 3351xx Electric Lighting Equipment Manufacturing
 3352xx Household Appliance Manufacturing
 3353xx Electrical Equipment Manufacturing
 3359xx Other Electrical Equipment and Component Manufacturing
 3361xx Motor Vehicle Manufacturing
 3362xx Motor Vehicle Body and Trailer Manufacturing
 3363xx Motor Vehicle Parts Manufacturing
 3364xx Aerospace Product and Parts Manufacturing
 3365xx Railroad Rolling Stock Manufacturing
 3366xx Ship and Boat Building
 3369xx Other Transportation Equipment Manufacturing
 3371xx Household and Institutional Furniture and Kitchen Cabinet Manufacturing
 3372xx Office Furniture (including Fixtures) Manufacturing
 3379xx Other Furniture Related Product Manufacturing
 3391xx Medical Equipment and Supplies Manufacturing
 3399xx Other Miscellaneous Manufacturing

- D. UOSH may add to the inspection scheduling list individual establishments where serious injuries, amputations, or fatalities related to saws, shears, slicers, power presses of all types and other machines have occurred in the last five years. Local evidence of amputations will be based on OIS accident data and, if available, by Bureau of Labor Statistic (BLS) and/or Utah Labor Commission Industrial Accidents Division (IAD) data, OSHA 300 data, National Institute for Occupational Safety and Health (NIOSH) data, and other reliable sources of information (e.g., reports of amputations from hospital admissions, emergency medical services, fire department, and police reports).
- E. Establishments which have had a comprehensive safety inspection in the previous 24 months and have not had an amputation or significant injury during this period will not be added to the inspection scheduling list until the 24-month time period has elapsed.
- F. No more than one amputation LEP inspection will be conducted at each establishment/site every 24 months. Unprogrammed inspections, including monitoring inspections, follow-up inspections, referral inspections, complaint inspections, and accident investigations may be conducted at any time as applicable.
- G. Inspections shall concentrate on industries and establishments where saws, shears, slicers, power presses of all types and other machines as described in Appendix A are used, and/or where there have been serious injuries, amputations, or fatalities related to the guarding of machines or equipment.
- H. Establishments identified under this LEP will be added to an inspection scheduling list. From this inspection scheduling list, a random list will be developed using a random number list (see Appendix C of CPL-02-00-025 for guidance) or an internet-based randomized sequence generator. The first cycle of one hundred establishments, starting from the top of the randomized list, will be selected and assigned to Compliance Safety and Health Officers (CSHOs) for inspection. Once a cycle is completed, the establishments selected in that cycle will be removed from the inspection scheduling list and placed on the completed establishment list. After completion of the cycle, the next one hundred establishments will be selected from the top of the randomized list and assigned to CSHOs. If any new establishments are added to the inspection scheduling list, the list will be re-randomized prior to selecting the next one hundred establishments. This process will be repeated until the entire scheduling list is completed. A cycle may be generated prior to completion of the previous cycle if there are no available establishments for CSHO assignment.
- I. Due to Utah's dispersed and rural population centers, the director or designee may select other establishments from the inspection scheduling list within a geographical region for an inspection. This will be done to reduce travel time to remote locations and improve efficiency of the inspection process. The director must ensure that all establishments from the scheduling list within UOSH's jurisdiction will be inspected within a reasonable time period.
- J. If any changes in the selection process are necessary, the director or designee must approve the change and document the justification for the desired change.

- K. Prior to the compliance section supervisor assigning an unprogrammed inspection to the CSHO, the supervisor will check the inspection scheduling list to determine if the establishment assigned for inspection is on the list. If it is on the list, the unprogrammed inspection will be expanded to include the LEP inspection.
- L. Voluntary Protection Program (VPP) and Safety and Health Achievement Recognition Program (SHARP) sites will be removed from UOSH's inspection scheduling list for the duration of approved participation in the VPP and SHARP. The site will remain off the list until the approved VPP or SHARP participant has withdrawn or been terminated from its respective program.

VIII. Inspection Procedures:

- A. CSHO's who conduct inspections under this LEP should have training and/or knowledge of both general and specific machine guarding concepts and techniques as well as hazardous energy control (lockout/tagout) requirements.
- B. All inspections, conducted under this LEP, will be comprehensive machine guarding and lockout/tagout (LOTO) inspections, with the primary purpose of identifying amputation hazards. All inspections will include an evaluation of any equipment that may cause an amputation and should focus on hazards associated with power presses, saws, shears, slicers and other machines identified in Appendix A.
- C. The inspection scope may be expanded where there is evidence (e.g., injuries or illnesses recorded in both OSHA forms 300 and 301, employee statement, or "plain view" observations) that violative conditions may be found in other areas of that establishment.
- D. To prepare for inspections under this LEP, all CSHOs should become familiar with the following OSHA standards and publications, as well as OSHA's Machine Guarding eTool:
 - 1. OSHA Instruction CPL 03-00-022, December 10, 2019, National Emphasis Program on Amputations in Manufacturing Industries.
 - 2. OSHA standards contained in 29 CFR 1910.147, The Control of Hazardous Energy (lockout/tagout).
 - 3. OSHA standards contained in 29 CFR 1910 Subpart O, Machinery and Machine Guarding.
 - 4. OSHA standards contained in 29 CFR 1910 Subpart P, Hand and Portable Powered Tools & Other Hand-Held Equipment.
 - 5. OSHA Publication 3157, 1999, A Guide for Protecting Workers from Woodworking Hazards.
 - 6. OSHA Publication 3170-02R, 2007, Safeguarding Equipment and Protecting Workers from Amputations.
 - 7. OSHA Technical Links Web Page, Machine Guarding,

<https://www.osha.gov/SLTC/machineguarding/index.html>.

- E. Once an inspection has been scheduled and assigned, the CSHO shall search the Federal OSHA website and OIS for the employer's inspection history to ascertain whether the establishment has received an amputation LEP inspection or a comprehensive inspection within the last 24 months.
- F. The CSHO will enter the establishment and conduct the inspection according to the UFOM. When possible, inspections conducted under this LEP should be combined with other programmed and unprogrammed inspections and the inspections conducted concurrently.
- G. During the opening conference, the CSHO shall request and review the establishment's OSHA 300 and 300A logs for the past three (3) years and the current year, looking for amputations and similar injuries that will direct the focus of the inspection. The CSHO should also request relevant records such as, but not limited to, the energy control program and procedures, training records, and other documents related to the scope of the inspection.
- H. If the CSHO learns the employer employs 10 or fewer employees within the state of Utah, currently and at all times during the last 12 months, and the employer is in a low-hazard industry listed in the Low-Hazard Industries Table of CPL 02-00-170, Enforcement Exemptions and Limitations under the Appropriations Act, the CSHO will not conduct a programmed safety inspection and will enter the scope of inspection in OIS as "no inspection."
- I. If the CSHO enters an establishment and determines there are no machines that present an amputation hazard, the CSHO will determine if an inspection should be conducted under another UOSH LEP. A programmed planned inspection will not be conducted at an establishment if there are no machines that present an amputation hazard and if no other LEP applies. The CSHO will mark the scope of such inspection in OIS as "no inspection." However, if the CSHO observes other serious hazards at said establishment, the CSHO will open a referral inspection to address such hazards, unless the employer is exempt from inspection in accordance with CPL 02-00-170, Enforcement Exemptions and Limitations under the Appropriations Act.
- J. During the walkthrough portion of the inspection, the CSHO will conduct a thorough inspection of the machine(s) with particular attention to employee exposure to nip points, pinch points, shear points, cutting actions, and other point(s) of operation. During the inspection, employee exposure to the following will be evaluated, in addition to other machine guarding-related issues observed:
 - 1. Regular operation of the machine.
 - 2. Setup/threading/preparation for regular operation of the machine.
 - 3. Clearing jams or upset conditions.
 - 4. Making running adjustments while the machines are operating.

5. Cleaning of the machine.
 6. Oiling or greasing of the machine or machine parts.
 7. Scheduled/unscheduled maintenance and/or servicing.
 8. Activities related to lockout/tagout.
- K. The CSHO should use employee interviews to identify and evaluate potential amputation hazards. The CSHO may also need to evaluate exposures during multiple work shifts and under multiple employers.
- L. If during an unprogrammed inspection the CSHO discovers that an establishment has machines or equipment that are covered under this LEP, the CSHO will expand the inspection to include the elements of this directive. The CSHO will report the LEP inspection to their supervisor who will add the establishment information to the completed inspection list.

IX. OSHA Information System (OIS) Coding:

- A. Programmed planned inspections opened from the inspection list under this LEP will be coded under “Initiating Type” as “Programmed Planned” under the “Inspection Details” section.
- B. For any programmed or unprogrammed inspection under this LEP, “GUARDLOCK” will be selected in the Inspection Emphasis Programs field under State Emphasis Program.
- C. In the Inspection Emphasis Programs field of the OIS, select all National Emphasis Programs/Local Emphasis Programs (NEP/LEP) OIS codes applicable to the inspection.

X. Program Evaluation:

- A. Abatement documentation/verification will be submitted to or otherwise collected by UOSH for all violations. Proof of abatement must be placed in the case file immediately upon verification.
- B. UOSH will, at least annually, prepare and submit a written evaluation of this LEP to the director or designee. The evaluation will include a recommendation for the continuation or elimination of this program.

XI. Outreach and Education:

The director or designee will assure that Consultation and Education Services Section staff are familiar with this directive and actively promote the LEP when conducting outreach sessions and meetings. Machine guarding and lockout/tagout hazards covered by this LEP will be pointed out and discussed during outreach sessions and meetings. Handouts and publications that address these hazards, which are already developed and available, will be provided at outreach sessions and meetings. A copy of this LEP will be provided to interested parties upon request.

APPENDIX A

(To be used for guidance/not inclusive)

- Agricultural, Garden Machinery, Bailers
- Aerial Lift Platforms
- Benders, Rollers and Shapers
- Casting Machinery
- Conveyors – Belt, Chain, Live Roller, and Auger Screw Conveyors
- Cranes (unspecified)
- Drills – Stationary
- Extruding Machinery
- Food and Beverage Processing
- Grinders, Abraders and Meat Grinders
- Heating and Cooking Machinery and Appliances
- Material and Personnel Handling Machinery
- Metal, Woodworking and Special Material Machinery
- Milling Machines
- Mixers, Blenders, Whippers, Slicers, and Food Beverage Processing Equipment
- Mowing Machinery
- Packing, Wrapping, Bundling Machinery
- Plastic Injection Molding Machinery
- Press Brakes (All Types)
- Presses (Mechanical, Hydraulic, and Pneumatic)
- Printing Presses
- Sawing Machinery – (Band, Table, Radial Arm Saws)
- Shears (All Types)

Descriptions of most of these machines, their amputation hazards and methods of controlling their amputation hazards can be found in OSHA Publication 3170-07R, Safeguarding Equipment and Protecting Workers from Amputations.

APPENDIX B

Related ANSI and ASME Standards:

(This appendix is not an inclusive list of all ANSI standards that are associated with hazardous machinery and equipment)

1. ANSI B11.1- Mechanical Power Presses
2. ANSI B11.2- Hydraulic Power Presses
3. ANSI B11.3- Power Press Brakes
4. ANSI B11.4- Shears
5. ANSI B11.5- Ironworkers
6. ANSI B11.6- Lathes
7. ANSI B11.7- Cold Headers and Cold Formers
8. ANSI B11.8- Drilling, Milling, and Boring Machines
9. ANSI B11.9- Grinding Machinery
10. ANSI B11.10- Metal Sawing Machines
11. ANSI B11.11- Gear Cutting Machines
12. ANSI B11.12- Roll-Forming and Roll-Bending Machines
13. ANSI B11.14- Coil-Slitting Machines
14. ANSI B11.15- Pipe, Tube, and Shape Bending Machines
15. ANSI B11.16- Metal Powder Compacting Presses
16. ANSI B11.17- Horizontal Hydraulic Extrusion Presses
17. ANSI B11.18- Machinery and Machine Systems for Processing Strip, Sheet or Plate from Coiled Configuration
18. ANSI B11.19- Safeguarding When Referenced by the Other B11 Machine Tool Safety Standards
19. ANSI B5.37- External Cylindrical Grinding Machines (Centerless)
20. ANSI B5.42- External Cylindrical Grinding Machines (Universal)
21. ANSI B65.1- Printing Press Systems
22. ANSI B65.2- Safety Standard – Binding and Finishing Systems
23. ANSI B65.3- Safety Standard for Guillotine Paper Cutters
24. ANSI B7.1- Use, Care, and Protection of Abrasive Wheels
25. ANSI B151.5- Plastic Film and Sheet Winding Equipment
26. ANSI B151.20- Plastic Sheet Production Machinery
27. ANSI B155.1- Packaging Machinery and Packaging-Related Converting Machinery
28. ANSI B177.1- Three Roller Printing Ink Mills
29. ANSI O1.1- Woodworking Machinery
30. ANSI Z244.1- Control of Hazardous Energy - Lockout/Tagout and Alternative Methods
31. ASME B5.52M- Mechanical Power Presses, General Purpose Single Point

32. ASME B15.1- Mechanical Power Transmission Apparatus
33. ASME B15.1A- Addenda to B15.
34. ASME B15.1B- Addenda to B15.1
35. ASME B20.1- Conveyors and Related Equipment, with Interpretations A and B
36. ASME B20.1A and B20.1B- Addenda to B20.1
37. ASME/CEMA 350- Screw Conveyors
38. ASME/CEMA 401- Unit Handling Conveyors – Roll Conveyors – Non-Powered
39. ASME/CEMA 402- Unit Handling Conveyors – Belt Conveyors
40. ASME/CEMA 403- Unit Handling Conveyors – Belt Driven Live Conveyors
41. ASME/CEMA 404- Unit Handling Conveyors – Chain Driven Live Conveyors
42. ASME/CEMA 405- Packaging Handling Conveyors – Slant Conveyors