



Utah Occupational Safety and Health Division (UOSH)

DIRECTIVE NUMBER: 2024-003	EFFECTIVE DATE: November 1, 2024
SUBJECT: Local Emphasis Program for Amputations	AMENDED DATE: N/A

ABSTRACT

- Purpose:** This instruction establishes policies and strategies for a Local Emphasis Program (LEP) designed to identify and reduce workplace hazards 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 03-00-022, December 10, 2019, National Emphasis Program on Amputations in Manufacturing Industries.
- Distribution:** UOSH Staff; Federal Occupational Safety and Health Administration (OSHA) Region VIII Area Office; H-Drive Accessible; Google Drive Accessible; and Internet Accessible.
- Expiration:** This directive expires October 31, 2029. EXCEPTION: Any inspection begun prior to this date may continue until its conclusion.
- Originating Office:** State of Utah, Labor Commission, UOSH
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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 October 31, 2029, but may be renewed as necessary.

IV. Cancellation:

This instruction replaces the Local Emphasis Program for Amputations, 2019-002, November 1, 2019.

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)

- 311111 Dog and Cat Food Manufacturing
- 311119 Other Animal Food Manufacturing
- 311211 Flour Milling
- 311225 Fats and Oils Refining and Blending

311230 Breakfast Cereal Manufacturing
311340 Non-Chocolate Confectionery Manufacturing
311351 Chocolate and Confectionery Manufacturing from Cacao Beans
311352 Confectionery Manufacturing from Purchased Chocolate
311411 Frozen Fruit, Juice, and Vegetable Manufacturing
311412 Frozen Specialty Food Manufacturing
311421 Fruit and Vegetable Canning
311422 Specialty Canning
311423 Dried and Dehydrated Food Manufacturing
311511 Fluid Milk Manufacturing
311512 Creamery Butter Manufacturing
311513 Cheese Manufacturing
311514 Dry, Condensed, and Evaporated Dairy Product Manufacturing
311520 Ice Cream and Frozen Dessert Manufacturing
311611 Animal (except Poultry) Slaughtering
311612 Meat Processed from Carcasses
311613 Rendering and Meat Byproduct Processing
311615 Poultry Processing
311710 Seafood Product Preparation and Packaging
311811 Retail Bakeries
311812 Commercial Bakeries
311821 Cookie and Cracker Manufacturing
311824 Dry Pasta, Dough, and Flour Mixes Manufacturing from Purchased Flour
311830 Tortilla Manufacturing
311911 Roasted Nuts and Peanut Butter Manufacturing
311919 Other Snack Food Manufacturing
311920 Coffee and Tea Manufacturing
311930 Flavoring Syrup and Concentrate Manufacturing
311941 Mayonnaise, Dressing, and Other Prepared Sauce Manufacturing
311942 Spice and Extract Manufacturing
311991 Perishable Prepared Food Manufacturing
311999 All Other Miscellaneous Food Manufacturing
312111 Soft Drink Manufacturing
312112 Bottled Water Manufacturing
312113 Ice Manufacturing
312120 Breweries
312130 Wineries
312140 Distilleries
312230 Tobacco Manufacturing
313110 Fiber, Yarn, and Thread Mills
313210 Broadwoven Fabric Mills
313220 Other Millwork (including Flooring)

313230 Nonwoven Fabric Mills
313310 Textile and Fabric Finishing Mills
314110 Carpet and Rug Mills
314120 Curtain and Linen Mills
314910 Textile Bag and Canvas Mills
314994 Rope, Cordage, Twine, Tire Cord, and Tire Fabric Mills
314999 All Other Miscellaneous Textile Product Mills
315110 Hosiery and Sock Mills
315190 Other Apparel Knitting Mills
315210 Cut and Sew Apparel Contractors
315220 Men's and Boys' Cut and Sew Apparel Manufacturing
315240 Women's, Girls', and Infants' Cut and Sew Apparel Manufacturing
315280 Other Cut and Sew Apparel Manufacturing
315990 Apparel Accessories and Other Apparel Manufacturing
316110 Leather and Hide Tanning and Finishing
316210 Footwear Manufacturing
316992 Women's Handbag and Purse Manufacturing
316998 All Other Leather Good and Allied Product Manufacturing
321113 Sawmills
321114 Wood Preservation
321211 Hardwood Veneer and Plywood Manufacturing
321213 Engineered Wood Member (except Truss) Manufacturing
321214 Truss Manufacturing
321911 Wood Window and Door Manufacturing
321912 Cut Stock, Resawing Lumber, and Planing
321918 Other Millwork (including Flooring)
321920 Wood Container and Pallet Manufacturing
321991 Manufactured Home (Mobile Home) Manufacturing
321992 Prefabricated Wood Building Manufacturing
321999 All Other Miscellaneous Wood Product Manufacturing
322121 Paper (except Newsprint) Mills
322211 Corrugated and Solid Fiber Box Manufacturing
322212 Folding Paperboard Box Manufacturing
322219 Other Paperboard Container Manufacturing
322220 Paper Bag and Coated and Treated Paper Manufacturing
322230 Stationery Product Manufacturing
322291 Sanitary Paper Product Manufacturing
322299 All Other Converted Paper Product Manufacturing
323111 Commercial Printing (except Screen and Books)
323113 Commercial Screen Printing
323117 Books Printing
323120 Support Activities for Printing

324110 Petroleum Refineries
324121 Asphalt Paving Mixture and Block Manufacturing
324122 Asphalt Shingle and Coating Materials Manufacturing
324191 Petroleum Lubricating Oil and Grease Manufacturing
324199 All Other Petroleum and Coal Products Manufacturing
325120 Industrial Gas Manufacturing
325130 Synthetic Dye and Pigment Manufacturing
325180 Other Basic Inorganic Chemical Manufacturing
325199 All Other Basic Organic Chemical Manufacturing
325211 Plastics Material and Resin Manufacturing
325212 Synthetic Rubber Manufacturing
325220 Artificial and Synthetic Fibers and Filaments Manufacturing
325311 Nitrogenous Fertilizer Manufacturing
325312 Phosphatic Fertilizer Manufacturing
325314 Fertilizer (Mixing Only) Manufacturing
325320 Pesticide and Other Agricultural Chemical Manufacturing
325411 Medicinal and Botanical Manufacturing
325412 Pharmaceutical Preparation Manufacturing
325413 In-Vitro Diagnostic Substance Manufacturing
325414 Biological Product (except Diagnostic) Manufacturing
325510 Paint and Coating Manufacturing
325520 Adhesive Manufacturing
325611 Soap and Other Detergent Manufacturing
325612 Polish and Other Sanitation Good Manufacturing
325613 Surface Active Agent Manufacturing
325620 Toilet Preparation Manufacturing
325910 Printing Ink Manufacturing
325920 Explosives Manufacturing
325991 Custom Compounding of Purchased Resins
325992 Photographic Film, Paper, Plate, and Chemical Manufacturing
325998 All Other Miscellaneous Chemical Product and Preparation Manufacturing
326111 Plastics Bag and Pouch Manufacturing
326112 Plastics Packaging Film and Sheet (including Laminated) Manufacturing
326113 Unlaminated Plastics Film and Sheet (except Packaging) Manufacturing
326121 Unlaminated Plastics Profile Shape Manufacturing
326122 Plastics Pipe and Pipe Fitting Manufacturing
326130 Laminated Plastics Plate, Sheet (except Packaging), and Shape Manufacturing
326140 Polystyrene Foam Product Manufacturing
326150 Urethane and Other Foam Product (except Polystyrene) Manufacturing
326160 Plastics Bottle Manufacturing
326191 Plastics Plumbing Fixture Manufacturing
326199 All Other Plastics Product Manufacturing

326212 Tire Retreading
 326220 Rubber and Plastics Hoses and Belting Manufacturing
 326291 Rubber Product Manufacturing for Mechanical Use
 326299 All Other Rubber Product Manufacturing
 327110 Pottery, Ceramics, and Plumbing Fixture Manufacturing
 327120 Clay Building Material and Refractories Manufacturing
 327211 Flat Glass Manufacturing
 327212 Other Pressed and Blown Glass and Glassware Manufacturing
 327215 Glass Product Manufacturing Made of Purchased Glass
 327310 Cement Manufacturing
 327320 Ready-Mix Concrete Manufacturing
 327331 Concrete Block and Brick Manufacturing
 327332 Concrete Pipe Manufacturing
 327390 Other Concrete Product Manufacturing
 327410 Lime Manufacturing
 327420 Gypsum Product Manufacturing
 327991 Cut Stone and Stone Product Manufacturing
 327992 Ground or Treated Mineral and Earth Manufacturing
 327993 Mineral Wool Manufacturing
 327999 All Other Miscellaneous Nonmetallic Mineral Product Manufacturing
 331110 Iron and Steel Mills and Ferroalloy Manufacturing
 331210 Iron and Steel Pipe and Tube Manufacturing from Purchased Steel
 331221 Rolled Steel Shape Manufacturing
 331222 Steel Wire Drawing
 331318 Other Aluminum Rolling, Drawing, and Extruding
 331410 Nonferrous Metal (except Aluminum) Smelting and Refining
 331420 Copper Rolling, Drawing, Extruding, and Alloying
 331491 Nonferrous Metal (except Copper and Aluminum) Rolling, Drawing, and Extruding
 331492 Secondary Smelting, Refining, and Alloying of Nonferrous Metal (except Copper and Aluminum)
 331511 Iron Foundries
 331512 Steel Investment Foundries
 331513 Steel Foundries (except Investment)
 331523 Nonferrous Metal Die-Casting Foundries
 331524 Aluminum Foundries (except Die-Casting)
 331529 Other Nonferrous Metal Foundries (except Die-Casting)
 332111 Iron and Steel Forging
 332114 Custom Roll Forming
 332117 Powder Metallurgy Part Manufacturing
 332119 Metal Crown, Closure, and Other Metal Stamping (except Automotive)
 332215 Metal Kitchen Cookware, Utensil, Cutlery, and Flatware (except Precious) Manufacturing

332216 Saw Blade and Handtool Manufacturing
332311 Prefabricated Metal Building and Component Manufacturing
332312 Fabricated Structural Metal Manufacturing
332313 Plate Work Manufacturing
332321 Metal Window and Door Manufacturing
332322 Sheet Metal Work Manufacturing
332323 Ornamental and Architectural Metal Work Manufacturing
332410 Power Boiler and Heat Exchanger Manufacturing
332420 Metal Tank (Heavy Gauge) Manufacturing
332439 Other Metal Container Manufacturing
332510 Hardware Manufacturing
332613 Spring Manufacturing
332618 Other Fabricated Wire Product Manufacturing
332710 Machine Shops
332721 Precision Turned Product Manufacturing
332722 Bolt, Nut, Screw, Rivet, and Washer Manufacturing
332811 Metal Heat Treating
332812 Metal Coating, Engraving (except Jewelry and Silverware), and Allied Services to Manufacturers

332912 Fluid Power Valve and Hose Fitting Manufacturing
332913 Plumbing Fixture Fitting and Trim Manufacturing
332919 Other Metal Valve and Pipe Fitting Manufacturing
332992 Small Arms Ammunition Manufacturing
332994 Small Arms, Ordnance, and Ordnance Accessories Manufacturing
332996 Fabricated Pipe and Pipe Fitting Manufacturing
332999 All Other Miscellaneous Fabricated Metal Product Manufacturing
333111 Farm Machinery and Equipment Manufacturing
333112 Lawn and Garden Tractor and Home Lawn and Garden Equipment Manufacturing

333120 Construction Machinery Manufacturing
333131 Mining Machinery and Equipment Manufacturing
331132 Oil and Gas Field Machinery and Equipment Manufacturing
333241 Food Product Machinery Manufacturing
333242 Semiconductor Machinery Manufacturing
333243 Sawmill, Woodworking, and Paper Machinery Manufacturing
333244 Printing Machinery and Equipment Manufacturing
333249 Other Industrial Machinery Manufacturing
333314 Optical Instrument and Lens Manufacturing
333316 Photographic and Photocopying Equipment Manufacturing
333318 Other Commercial and Service Industry Machinery Manufacturing
333413 Industrial and Commercial Fan and Blower and Air Purification Equipment Manufacturing

- 333414 Heating Equipment (except Warm Air Furnaces) Manufacturing
- 333415 Air-Conditioning and Warm Air Heating Equipment and Commercial and Industrial Refrigeration Equipment Manufacturing
- 333511 Industrial Mold Manufacturing
- 333514 Special Die and Tool, Die Set, Jig, and Fixture Manufacturing
- 333515 Cutting Tool and Machine Tool Accessory Manufacturing
- 333517 Machine Tool Manufacturing
- 333519 Rolling Mill and Other Metalworking Machinery Manufacturing
- 333611 Turbine and Turbine Generator Set Units Manufacturing
- 333612 Speed Changer, Industrial High-Speed Drive, and Gear Manufacturing
- 333618 Other Engine Equipment Manufacturing
- 333912 Air and Gas Compressor Manufacturing
- 333914 Measuring, Dispensing, and Other Pumping Equipment Manufacturing
- 333921 Elevator and Moving Stairway Manufacturing
- 333922 Conveyor and Conveying Equipment Manufacturing
- 333923 Overhead Traveling Crane, Hoist, and Monorail System Manufacturing
- 333924 Industrial Truck, Tractor, Trailer, and Stacker Machinery Manufacturing
- 333991 Power-Driven Handtool Manufacturing
- 333992 Welding and Soldering Equipment Manufacturing
- 333993 Packaging Machinery Manufacturing
- 333995 Fluid Power Cylinder and Actuator Manufacturing
- 333997 Scale and Balance Manufacturing
- 333999 All Other Miscellaneous General Purpose Machinery Manufacturing
- 334111 Electronic Computer Manufacturing
- 334118 Computer Terminal and Other Computer Peripheral Equipment Manufacturing
- 334210 Telephone Apparatus Manufacturing
- 334220 Radio and Television Broadcasting and Wireless Communications Equipment Manufacturing
- 334290 Other Communications Equipment Manufacturing
- 334310 Audio and Video Equipment Manufacturing
- 334412 Bare Printed Circuit Board Manufacturing
- 334413 Semiconductor and Related Device Manufacturing
- 334416 Capacitor, Resistor, Coil, Transformer, and Other Inductor Manufacturing
- 334418 Printed Circuit Assembly (Electronic Assembly) Manufacturing
- 334419 Other Electronic Component Manufacturing
- 334510 Electromedical and Electrotherapeutic Apparatus Manufacturing
- 334511 Search, Detection, Navigation, Guidance, Aeronautical, and Nautical System and Instrument Manufacturing
- 334512 Automatic Environmental Control Manufacturing for Residential, Commercial, and Appliance Use
- 334513 Instruments and Related Products Manufacturing for Measuring, Displaying, and Controlling Industrial Process Variables
- 334514 Totalizing Fluid Meter and Counting Device Manufacturing

334515 Instrument Manufacturing for Measuring and Testing Electricity and Electrical Signals
 334516 Analytical Laboratory Instrument Manufacturing
 334517 Irradiation Apparatus Manufacturing
 334519 Other Measuring and Controlling Device Manufacturing
 334613 Blank Magnetic and Optical Recording Media Manufacturing
 334614 Software and Other Prerecorded Compact Disc, Tape, and Record Reproducing
 335121 Residential Electric Lighting Fixture Manufacturing
 335122 Commercial, Industrial, and Institutional Electric Lighting Fixture Manufacturing
 335129 Other Lighting Equipment Manufacturing
 335210 Small Electrical Appliance Manufacturing
 335311 Power, Distribution, and Specialty Transformer Manufacturing
 335312 Motor and Generator Manufacturing
 335313 Switchgear and Switchboard Apparatus Manufacturing
 335314 Relay and Industrial Control Manufacturing
 335911 Storage Battery Manufacturing
 335929 Other Communication and Energy Wire Manufacturing
 335931 Current-Carrying Wiring Device Manufacturing
 335991 Carbon and Graphite Product Manufacturing
 335999 All Other Miscellaneous Electrical Equipment and Component Manufacturing
 336120 Heavy Duty Truck Manufacturing
 336211 Motor Vehicle Body Manufacturing
 336212 Truck Trailer Manufacturing
 336214 Travel Trailer and Camper Manufacturing
 336310 Motor Vehicle Gasoline Engine and Engine Parts Manufacturing
 336320 Motor Vehicle Electrical and Electronic Equipment Manufacturing
 336330 Motor Vehicle Steering & Suspension Components (except Spring) Manufacturing
 336340 Motor Vehicle Brake System Manufacturing
 336350 Motor Vehicle Transmission and Power Train Parts Manufacturing
 336360 Motor Vehicle Seating and Interior Trim Manufacturing
 336370 Motor Vehicle Metal Stamping
 336390 Other Motor Vehicle Parts Manufacturing
 336411 Aircraft Manufacturing
 336412 Aircraft Engine and Engine Parts Manufacturing
 336413 Other Aircraft Parts and Auxiliary Equipment Manufacturing
 336414 Guided Missile and Space Vehicle Manufacturing
 336415 Guided Missile and Space Vehicle Propulsion Unit and Propulsion Unit Parts Manufacturing
 336419 Other Guided Missile and Space Vehicle Parts and Auxiliary Equipment Manufacturing

336510 Railroad Rolling Stock Manufacturing
336611 Ship Building and Repairing
336612 Boat Building
336991 Motorcycle, Bicycle, and Parts Manufacturing
336999 All Other Transportation Equipment Manufacturing
337110 Wood Kitchen Cabinet and Countertop Manufacturing
337121 Upholstered Household Furniture Manufacturing
337122 Nonupholstered Wood Household Furniture Manufacturing
337124 Metal Household Furniture Manufacturing
337125 Household Furniture (except Wood and Metal) Manufacturing
337127 Institutional Furniture Manufacturing
337211 Wood Office Furniture Manufacturing
337212 Custom Architectural Woodwork and Millwork Manufacturing
337214 Office Furniture (except Wood) Manufacturing
337215 Showcase, Partition, Shelving, and Locker Manufacturing
337910 Mattress Manufacturing
337920 Blind and Shade Manufacturing
339112 Surgical and Medical Instrument Manufacturing
339113 Surgical Appliance and Supplies Manufacturing
339114 Dental Equipment and Supplies Manufacturing
339115 Ophthalmic Goods Manufacturing
339910 Jewelry and Silverware Manufacturing
339920 Sporting and Athletic Goods Manufacturing
339930 Doll, Toy, and Game Manufacturing
339940 Office Supplies (except Paper) Manufacturing
339950 Sign Manufacturing
339991 Gasket, Packing, and Sealing Device Manufacturing
339992 Musical Instrument Manufacturing
339994 Broom, Brush, and Mop Manufacturing
339999 All 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 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. 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.
- B. To prepare for inspections under this LEP, all CSHOs should become familiar with the following OSHA standards and publications, as well as the OSHA eTools website regarding machine guarding:
 - 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>.
- C. 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.
- D. The CSHO will enter the establishment and conduct the inspection according to the UFOM.
- E. 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.

- F. 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.”
- G. 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.
- H. 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.
 8. Lockout/tagout.
- I. CSHOs will evaluate and inspect other hazards that are discovered or witnessed during the inspection.
- J. 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. For any programmed or unprogrammed inspection under this LEP, “GUARDLOCK” will be selected in the Inspection Emphasis Programs field under State Emphasis Program.
- B. 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