

**875—32.8(92) Terms.** The terms used in Iowa Code section 92.8 are defined and applied as specified in this rule.

**32.8(1)** “*Occupations in or about plants or establishments manufacturing or storing explosives or articles containing explosive components*” means:

a. All occupations in or about any plant or establishment (other than retail establishments or plants or establishments of the type described in subrule “b.”) manufacturing or storing explosives or articles containing explosive components except where the occupation is performed in a “nonexplosive area.”

b. The following occupations in or about any plant or establishment manufacturing or storing small-arms ammunition not exceeding .60 caliber in size, shotgun shells, or blasting caps when manufactured or stored in conjunction with the manufacture of small-arms ammunition:

(1) All occupations involved in the manufacturing, mixing, transporting, or handling of explosive compounds in the manufacture of small-arms ammunition and all other occupations requiring the performance of any duties in the explosives area in which explosive compounds are manufactured or mixed.

(2) All occupations involved in the manufacturing, transporting, or handling of primers and all other occupations requiring the performance of any duties in the same building in which primers are manufactured.

(3) All occupations involved in the priming of cartridges and all other occupations requiring the performance of any duties in the same workroom in which rim-fire cartridges are primed.

(4) All occupations involved in the plate loading of cartridges and in the operation of automatic loading machines.

(5) All occupations involved in the loading, inspecting, packing, shipping and storage of blasting caps.

c. Definitions.

“*Explosives*” and “*articles containing explosive components*” means and includes ammunition, black powder, blasting caps, fireworks, high explosives, primers, smokeless powder, and all goods classified and defined as explosives by the Interstate Commerce Commission in regulations for the transportation of explosives and other dangerous substances by common carriers (49 CFR Parts 71-78, in effect July 1, 1987).

“*Nonexplosive area*” means an area where none of the work performed in the area involves the handling or use of explosives; the area is separated from the explosives area by a distance not less than that prescribed in the American Table of Distances for the protection of inhabited buildings; the area is separated from the explosives area by a fence or is otherwise located so that it constitutes a definite designated area; and satisfactory controls have been established to prevent employees under 18 years of age within the area from entering any area in or about the plant which does not meet the criteria of this definition.

“*Plant or establishment manufacturing or storing explosives or articles containing explosive components*” means the land with all the buildings and other structures thereon used in connection with the manufacturing or processing or storing of explosives or articles containing explosive components.

This subrule is intended to implement Iowa Code section 92.8(1).

**32.8(2)** “*Occupations of motor vehicle driver and helper*” means occupations of motor vehicle driver and outside helper on any public road, highway, in or about any mine (including open pit mine or quarry), place where logging or sawmill operations are in progress, or in any excavation.

a. The following exemption is for occupations of motor vehicle driver and helper:

(1) Incidental and occasional driving where the operation of automobiles or trucks does not exceed 6,000 pounds gross vehicle weight if the driving is restricted to daylight hours; the operation is only occasional and incidental to the child’s employment; the child holds a state license valid for the type of driving involved in the job which is to be performed and has completed a state-approved driver education course; the vehicle is equipped with a seat belt or similar device for the driver and for each helper; and the employer has instructed each child that the belts or other devices must be used. This exemption shall not be applicable to any occupation of a motor vehicle driver which involves the towing of vehicles.

(2) Reserved.

*b.* Definitions.

“*Driver*” means any individual who, in the course of employment, drives a motor vehicle at any time.

“*Gross vehicle weight*” includes the truck chassis with lubricants, water and full tank or tanks of fuel, plus the weight of the cab or driver’s compartment, body and special chassis, and body equipment and payload.

“*Motor vehicle*” means any automobile, truck, truck-tractor, trailer, semitrailer, motorcycle or similar vehicle propelled or drawn by mechanical power and designed for use as a means of transportation but shall not include any vehicle operated exclusively on rails.

“*Outside helper*” means any individual, other than a driver, whose work includes riding on a motor vehicle outside the cab for the purpose of assisting in transporting or delivering goods.

This subrule is intended to implement Iowa Code section 92.8(2).

**32.8(3)** “*Occupations involved in logging occupations and occupations in the operation of any sawmill, lath mill, shingle mill, or cooperage-stock mill*” means all occupations with the following exceptions:

*a.* Exceptions applying to logging:

(1) Work in offices or in repair or maintenance shops.

(2) Work in the construction, operation, repair or maintenance of living and administrative quarters or logging camps.

(3) Work in timber cruising, surveying, or logging-engineering parties; work in the repair or maintenance of roads, railroads, or flumes; work in forest protection, such as clearing fire trails or roads, piling and burning slash, maintaining firefighting equipment, constructing and maintaining telephone lines, or acting as fire lookout or fire patrol person away from the actual logging operations. This exception shall not apply to the felling or bucking of timber, the collecting or transporting of logs, the operation of power-driven machinery, the handling or use of explosives, and work on trestles.

(4) Peeling of fence posts, pulpwood, chemical wood, excelsior wood, cordwood, or similar products, when not done in conjunction with and at the same time and place as other logging occupations prohibited by this subrule.

(5) Work in the feeding or care of animals.

*b.* Exceptions applying to the operation of any permanent sawmill or the operation of any lath mill, shingle mill, or cooperage-stock mill:

(1) Work in offices or in repair or maintenance shops.

(2) Straightening, marking, or tallying lumber on the dry chain or the dry drop sorter.

(3) Pulling lumber from the dry chain.

(4) Cleanup in the lumberyard.

(5) Piling, handling, or shipping of cooperage stock in yards or storage sheds, other than operating or assisting in the operation of power-driven equipment.

(6) Clerical work in yards or shipping sheds, such as done by order persons, tally persons, and shipping clerks.

(7) Cleanup work outside shake and shingle mills, except when the mill is in operation.

(8) Splitting shakes manually from precut and split blocks with a froe and mallet, except inside the mill building or cover.

(9) Packing shakes into bundles when done in conjunction with splitting shakes manually with a froe and mallet, except inside the mill building or cover.

(10) Manual loading of bundles of shingles or shakes into trucks or railroad cars, provided that the employer has on file a statement from a licensed doctor of medicine or osteopathy certifying the minor capable of performing this work without injury. The exceptions in paragraph “*b.*” subparagraphs (1) to (10), do not apply to a portable sawmill the lumberyard of which is used only for the temporary storage of green lumber and in connection with which no office or repair or maintenance shop is ordinarily maintained and work which entails entering the sawmill building.

Definitions.

*“All occupations in logging”* means all work performed in connection with the felling of timbers; the bucking or converting of timber into logs, poles, piles, ties, bolts, pulpwood, chemical wood, excelsior wood, cordwood, fence posts, or similar products; the collecting, skidding, yarding, loading, transporting and unloading of these products in connection with logging; the constructing, repairing and maintaining of roads, railroads, flumes, or camps used in connection with logging; the moving, installing, rigging, and maintenance of machinery or equipment used in logging; and other work performed in connection with logging. The term shall not apply to work performed in timber culture, timber-stand improvement, or in emergency firefighting.

*“All occupations in the operation of any sawmill, lath mill, shingle mill, or cooperage-stock mill”* means all work performed in or about any mill in connection with storing of logs and bolts; converting logs or bolts into sawn lumber, laths, shingles, or cooperage stock; storing, drying, and shipping lumber, laths, shingles, cooperage stock, or other products of the mills and other work performed in connection with the operation of any sawmill, lath mill, shingle mill, or cooperage-stock mill. The term shall not include work performed in the planing-mill department or other remanufacturing departments of any sawmill, or in any planing mill or remanufacturing plant not a part of a sawmill.

This subrule is intended to implement Iowa Code section 92.8(3).

**32.8(4)** *“Occupations involved in the operation of power-driven woodworking machines”* means operating power-driven woodworking machines including supervision or controlling the operation of the machines, feeding material into the machines, and helping the operator to feed material into the machines, but not including the placing of material on a moving chain or in a hopper or slide for automatic feeding. Also included are occupations of setting up, adjusting, repairing, oiling or cleaning power-driven woodworking machines and the operations of off-bearing from circular saws and from guillotine-action veneer clippers.

Definitions.

*“Off-bearing”* means the removal of material or refuse directly from a saw table or from the point of operation. Operations not considered as off-bearing within the intent of this subrule include:

a. The removal of material or refuse from a circular saw or guillotine-action veneer clipper where the material or refuse has been conveyed away from the saw table or point of operation by a gravity chute or by some mechanical means such as a moving belt or expansion roller, and

b. The following operations when they do not involve the removal of material or refuse directly from a saw table or from the point of operation; the carrying, moving or transporting of materials from one machine to another or from one part of a plant to another; the piling, stacking, or arranging of materials for feeding into a machine by another person; and the sorting, tying, bundling or loading of materials.

*“Power-driven woodworking machines”* means all fixed or portable machines or tools driven by power and used or designed for cutting, shaping, forming, surfacing, nailing, stapling, wire stitching, fastening or otherwise assembling, pressing or printing wood or veneer.

This subrule is intended to implement Iowa Code section 92.8(4).

**32.8(5)** *“Occupations involving exposure to radioactive substances and to ionizing radiations”* means occupation in any workroom in which radium is stored or used in the manufacture of self-luminous compound; self-luminous compound is made, processed or packaged; self-luminous compound is stored, used or worked upon; incandescent mantles are made from fabric and solutions containing thorium salts, or are processed or packaged; and other radioactive substances are present in the air in average concentrations exceeding 10 percent of the maximum permissible concentrations in the air recommended for occupational exposure by the National Committee on Radiation Protection, as set forth in the 40-hour week column of Table One of the National Bureau of Standards Handbook No. 69 entitled “Maximum Permissible Body Burdens and Maximum Permissible Concentrations of Radionuclides in Air and in Water for Occupational Exposure,” June 5, 1959.

Also included is any other work which involves exposure to ionizing radiations in excess of 0.5 rem per year.

Definitions.

*“Ionizing radiations”* means alpha and beta particles, electrons, protons, neutrons, gamma and X-ray and all other radiations which produce ionizations directly or indirectly, but does not include electromagnetic radiations other than gamma and X-ray.

*“Self-luminous compound”* means any mixture of phosphorescent material and radium, mesothorium or other radioactive element.

*“Workroom”* means the entire area bounded by walls of solid material and extending from floor to ceiling.

This subrule is intended to implement Iowa Code section 92.8(5).

**32.8(6)** *“Occupations involved in the operation of elevators and other power-driven hoisting apparatus”* means:

a. Work of operating an elevator, crane, derrick, hoist, or high-lift truck, except operating an unattended automatic operation passenger elevator or an electric or air-operated hoist not exceeding one-ton capacity.

b. Work which involves riding on a manlift or on a freight elevator, except a freight elevator operated by an assigned operator.

c. Work of assisting in the operation of a crane, derrick or hoist performed by crane hookers, crane chasers, hookers-on, riggers, rigger helpers, and like occupations.

d. Exception. Iowa Code section 92.8(6) shall not prohibit the operation of an automatic elevator and an automatic signal operation elevator provided that the exposed portion of the car interior (exclusive of vents and other necessary small openings), the car door and the hoistway doors are constructed of solid surfaces without any opening through which a part of the body may extend; all hoistway openings at floor level have doors which are interlocked with the car door so as to prevent the car from starting until all doors are closed and locked; the elevator (other than hydraulic elevators) is equipped with a device which will stop and hold the car in case of overspeed or if the cable slackens or breaks; and the elevator is equipped with upper and lower travel limit devices which will normally bring the car to rest at either terminal and a final limit switch which will prevent the movement in either direction and will open in case of excessive over-travel by the car.

e. Definitions.

*“Automatic elevator”* means any passenger elevator, a freight elevator or a combination passenger-freight elevator, the operation of which is controlled by push buttons in a manner that the starting, going to the landing selected, leveling and holding, and the opening and closing of the car and hoistway doors are entirely automatic.

*“Automatic signal operation elevator”* means an elevator which is started in response to the operation of a switch (such as a lever or push button) in the car which when operated by the operator actuates a starting device that automatically closes the car and hoistway doors—from this point on, the movement of the car to the landing selected, leveling and holding when it gets there, and the opening of the car and hoistway doors are entirely automatic.

*“Crane”* means any power-driven machine for lifting and lowering a load and moving it horizontally, in which the hoisting mechanism is an integral part of the machine. The term shall include all types of cranes, such as cantilever gantry, crawler, gantry, hammerhead, ingot pouring, jib, locomotive, motor truck, overhead traveling, pillar jib, pintle, portal, semigantry, semiportal, storage bridge, tower, walking jib, and wall cranes.

*“Derrick”* means any power-driven apparatus consisting of a mast or equivalent members held at the top by guys or braces, with or without a boom, for use with a hoisting mechanism or operating ropes. The term shall include all types of derricks, such as A-frame, breast, Chicago boom, gin-pole, guy and stiff-leg derrick.

*“Elevator”* means any power-driven hoisting or lowering mechanism equipped with a car or platform which moves in guides in a substantially vertical direction. The term shall include both passenger and freight elevators, (including portable elevators or tiering machines), but shall not include dumbwaiters.

*“High-lift truck”* means any power-driven industrial type of truck used for lateral transportation that is equipped with a power-operated lifting device usually in the form of a fork or platform capable of tiering loaded pallets or skids one above the other. Instead of a fork or platform, the lifting device may

consist of a ram, scoop, shovel, crane, revolving fork, or other attachments for handling specific loads. The term shall mean and include high-lift trucks known as fork lifts, fork trucks, fork-lift trucks, tiering trucks, or stacking trucks, but shall not mean low-lift trucks or low-lift platform trucks that are designed for the transportation of, but not the tiering of, material.

“*Hoist*” means any power-driven apparatus for raising or lowering a load by the application of a pulling force that does not include a car or platform running in guides. The term includes all types of hoists, such as base-mounted electric, clevis suspension, hook suspension, monorail, overhead electric, simple drum and trolley suspension hoists.

“*Manlift*” means any device intended for the conveyance of persons which consists of platforms or brackets mounted on, or attached to, an endless belt, cable, chain or similar method of suspension; the belt, cable or chain operating in a substantially vertical direction and being supported by and driven through pulleys, sheaves or sprockets at the top and bottom.

This subrule is intended to implement Iowa Code section 92.8(6).

**32.8(7)** “*Occupations involved in the operation of power-driven metal forming, punching and shearing machines*” means occupations of operator of or helper on the following power-driven metal forming, punching, and shearing machines.

a. All rolling machines, such as beading, straightening, corrugating, flanging, or bending rolls; and hot or cold rolling mills.

b. All pressing or punching machines, such as punch presses except those provided with full automatic feed and ejection and with a fixed barrier guard to prevent the hands or fingers of the operator from entering the area between the dies; power presses; and plate punches.

c. All bending machines, such as apron brakes and press brakes.

d. All hammering machines, such as drop hammers and power hammers.

e. All shearing machines, such as guillotine or squaring shears, alligator shears and rotary shears.

Also included are the occupations of setting up, adjusting, repairing, oiling, or cleaning these machines including those with automatic feed and ejection.

“*Forming, punching and shearing machines*” means power-driven metal-working machines, other than machine tools, which change the shape of or cut metal by means of tools, such as dies, rolls or knives which are mounted on rams, plungers or other moving parts. Types of forming, punching, and shearing machines enumerated in this subrule are the machines to which the designation is by custom applied.

“*Helper*” means a person who assists in the operation of a machine covered by this subrule by helping place materials into or remove them from the machine.

“*Operator*” means a person who operates a machine covered by this subrule by performing functions such as starting or stopping the machine, placing materials into or removing them from the machine, or any other functions directly involved in operation of the machine.

This subrule is intended to implement Iowa Code section 92.8(7).

**32.8(8)** “*Occupations in connection with mining*” means all work performed underground in mines and quarries; underground working, open-pit, or surface part of any coal-mining plant that contribute to the extraction, grading, cleaning, or other handling of coal; on the surface at underground mines and underground quarries; in or about open-cut mines, open quarries, clay pits, and sand and gravel operations; at or about placer mining operations; at or about dredging operations for clay, sand or gravel; at or about bore-hole mining operations; in or about all metal mills, washer plants, or grinding mills reducing the bulk of the extracted minerals; and at or about any other crushing, grinding, screening, sizing, washing or cleaning operations performed upon the extracted minerals except where the operations are performed as a part of a manufacturing process.

The term “occupations in connection with mining” shall not include:

a. Work performed in subsequent manufacturing or processing operations, such as work performed in smelters, electro-metallurgical plants, refineries, reduction plants, cement mills, plants where quarried stone is cut, sanded and further processed, or plants manufacturing clay, glass or ceramic products.

*b.* Work performed in connection with petroleum production, in natural gas production, or in dredging operations which are not a part of mining operations, such as dredging for construction or navigation purposes.

*c.* Work in offices, in the warehouse or supply house, in the change house, in the laboratory, and in repair or maintenance shops not located underground.

*d.* Work in the operation and maintenance of living quarters.

*e.* Work outside the mine in surveying, in the repair and maintenance of roads, and in general cleanup about the mine property such as clearing brush and digging drainage ditches.

*f.* Work of track crews in the building and maintaining of sections of railroad track located in those areas of open-cut metal mines where mining and haulage activities are not being conducted at the time and place that the building and maintenance work is being done.

*g.* Work in or about surface placer mining operations other than placer dredging operations and hydraulic placer mining operations.

*h.* Work in metal mills other than in mercury-recovery mills or mills using the cyanide process involving the operation of jigs, sludge tables, flotation cells, or drier-filters; hand-sorting at picking table or picking belts; or general cleanup.

Nothing in this subrule shall be construed to permit any employment of minors in any other occupation otherwise prohibited by Iowa Code chapter 92.

This subrule is intended to implement Iowa Code section 92.8(8).

**32.8(9)** *“Occupations in or about slaughtering and meat packing establishments and rendering plants”* means:

*a.* All occupations on the killing floor, in curing cellars, and in hide cellars, except the work of messengers, runners, hand truckers and similar occupations which require entering workrooms or workplaces infrequently and for short periods of time.

*b.* All occupations involved in the recovery of lard and oils, except packaging and shipping of the products and the operation of lard-roll machines.

*c.* All occupations involved in tankage or rendering of dead animals, animal offal, animal fats, scrap meats, blood, and bones into stock feeds, tallow, inedible greases, fertilizer ingredients, and similar products.

*d.* All occupations involved in the operation or feeding of the following power-driven meat processing machines, including the occupations of setting-up, adjusting, repairing, oiling, or cleaning the machines regardless of the product being processed by these machines (including, for example, the slicing in a retail delicatessen of meat, poultry, seafood, bread, vegetables, or cheese, etc.):

1. Meat patty forming machines, meat and bone cutting saws, knives (except bacon-slicing machines), head splitters, and guillotine cutters;

2. Snout pullers and jaw pullers;

3. Skinning machines;

4. Horizontal rotary washing machines;

5. Casing-cleaning machines such as crushing, stripping, and finishing machines;

6. Grinding, mixing, chopping, and hashing machines; and

7. Presses (except belly-rolling machines).

*e.* All boning occupations.

*f.* All occupations involving the pushing or dropping of any suspended carcass, half carcass, or quarter carcass.

*g.* All occupations involving hand-lifting or hand-carrying any carcass or half carcass of beef, pork, or horse, or any quarter carcass of beef or horse.

Definitions.

*“Boning occupation”* means the removal of bones from meat cuts. It does not include cutting, scraping or trimming meat from cuts containing bones.

*“Curing cellar”* means the workroom or workplace which is primarily devoted to the preservation and flavoring of meat by curing materials. It does not include the workroom or workplace where meats are smoked.

“*Hide cellar*” means the workroom or workplace where hides are graded, trimmed, salted, and otherwise cured.

“*Killing floor*” means the workroom or workplace where cattle, calves, hogs, sheep, lambs, goats, or horses are immobilized, shackled, or killed, and the carcasses are dressed prior to chilling.

“*Rendering plants*” means establishments engaged in the conversion of dead animals, animal offal, animal fats, scrap meats, blood, and bones into stock feeds, tallow, inedible greases, fertilizer ingredients and similar products.

“*Slaughtering and meat packing establishments*” means places in or about which cattle, calves, hogs, sheep, lambs, goats, or horses, poultry, rabbits or small game are killed, processed or butchered and establishments which manufacture or process meat products or sausage casings from these animals.

This subrule is intended to implement Iowa Code section 92.8(9).

**32.8(10)** “*Occupations involved in the operation of certain power-driven bakery machines*” means the occupations of operating, assisting to operate or setting up, adjusting, repairing, oiling, or cleaning any horizontal or vertical dough mixer; batter mixer; bread dividing, rounding, or molding machine; dough brake; dough sheeter; combination bread slicing and wrapping machines; or cake cutting band saw and the occupations of setting up or adjusting a cookie or cracker machine.

This subrule is intended to implement Iowa Code section 92.8(10).

**32.8(11)** “*Occupations involved in the operations of paper-products machines*” means operating or assisting to operate any of the following power-driven paper-products machines and includes:

a. Arm-type wire stitcher or stapler, circular or band saw, corner cutter or mitering machine, corrugating and single- or double-facing machine, envelope die-cutting press, guillotine paper cutter or shear, horizontal bar scorer, laminating or combining machine, sheeting machine, scrap-paper baler, or vertical slotter.

b. Platen die-cutting press, platen printing press, or punch press which involves hand feeding of the machine.

c. The occupations of setting up, adjusting, repairing, oiling, or cleaning the machines in paragraphs “a” and “b” of this subrule including those which do not involve hand feeding.

Definitions.

“*Operating or assisting to operate*” means all work which involves starting or stopping a machine covered by this subrule, placing materials into or removing them from the machine, or any other work directly involved in operating the machine.

“*Paper-products machine*” means power-driven machines used in:

1. The remanufacture or conversion of paper or pulp into a finished product, including the preparation of materials for recycling.

2. The preparation of materials for disposal. The term applies to the machines whether they are used in establishments that manufacture converted paper or pulp products, or in any other type of manufacturing or nonmanufacturing establishments.

This subrule is intended to implement Iowa Code section 92.8(11).

**32.8(12)** “*Occupations involved in the manufacture of brick*” means the manufacture of brick, tile and related products and includes the manufacture of clay construction products and of silica refractory products and includes:

a. All work in or about establishments in which clay construction products are manufactured, except work in storage and shippings; work in offices, laboratories, and storerooms; and work in the drying departments of plants manufacturing sewer pipe.

b. All work in or about establishments in which silica brick or other silica refractories are manufactured, except work in offices.

c. Nothing in this subrule shall be construed to permit any employment of minors in any other occupation otherwise prohibited by Iowa Code chapter 92.

Definitions.

“*Clay construction products*” means brick, hollow structural tile, sewer pipe and kindred products, refractories, and other clay products such as architectural terra cotta, glazed structural tile, roofing tile, stove lining, chimney pipes and tops, wall coping, and drain tile. It does not include

nonstructural-bearing clay products such as ceramic floor and wall tile, mosaic tile, glazed and enameled tile, faience, and similar tile, nor nonclay construction products such as sand-lime brick, glass brick, or nonclay refractories.

*“Silica brick or other silica refractories”* means refractory products produced from raw materials containing free silica as its main constituent.

This subrule is intended to implement Iowa Code section 92.8(12).

**32.8(13)** *“Occupations involved in the operation of circular saws, band saws, and guillotine shears”* means:

a. Occupations of operator of or helper on power-driven fixed or portable circular saws, band saws, and guillotine shears except machines equipped with full automatic feed and ejection.

b. The occupations of setting-up, adjusting, repairing, oiling, or cleaning circular saws, band saws, or guillotine shears.

Definitions.

*“Band saw”* means a machine equipped with an endless steel band having a continuous series of notches or teeth, running over wheels or pulleys, and used for sawing materials.

*“Circular saw”* means a machine equipped with an endless steel disc and having a continuous series of notches or teeth on the periphery, mounted on shafting, and used for sawing materials.

*“Guillotine shear”* means a machine equipped with a movable blade operated vertically and used to shear materials. The term shall not include other types of shearing machines, using a different form of shearing action, such as alligator shears or circular shears.

*“Helper”* means a person who assists in the operation of a machine covered by this subrule by helping place materials into or remove them from the machine.

*“Machines equipped with full automatic feed and ejection”* means machines covered by this subrule which are equipped with devices for full automatic feeding and ejection and with a fixed barrier guard to prevent completely the operator or helper from placing any body part in the point-of-operation area.

*“Operator”* means a person who operates a machine covered by this subrule by performing functions such as starting or stopping the machine, placing materials into or removing them from the machine, or any other function directly involved in the operation of the machine.

This subrule is intended to implement Iowa Code section 92.8(13).

**32.8(14)** *“Wrecking, demolition and shipbreaking operations”* means all work, including cleanup and salvage work, performed at the site of the total or partial razing, demolishing, or dismantling of a building, bridge, steeple, tower, chimney, other structure, ship or other vessel.

This subrule is intended to implement Iowa Code section 92.8(14).

**32.8(15)** *“Roofing operations”* means all work performed in connection with the application of weatherproofing materials and substances (such as tar or pitch, asphalt prepared paper, tile, slate, metal, translucent materials, and shingles of asbestos, asphalt or wood) to roofs of buildings or other structures. The term also includes all work performed in connection with the installation of roofs, including related metal work such as flashing; and alterations, additions, maintenance and repair, including painting and coating, of existing roofs. The term shall not include gutter and downspout work; the construction of the sheathing or base of roofs; or the installation of television antennas, air conditioners, exhaust and ventilating equipment or similar appliances attached to roofs.

This subrule is intended to implement Iowa Code section 92.8(15).

**32.8(16)** *“Excavation occupations”* means all occupations involved with:

a. Excavating, working in, or backfilling (refilling) trenches, except manually excavated or manually backfilling trenches that do not exceed four feet in depth at any point or working in trenches that do not exceed four feet in depth at any point.

b. Excavating for buildings or other structures or working in the excavations, except manually excavating to a depth not exceeding four feet below any ground surface adjoining the excavation, working in an excavation not exceeding four feet in depth, or working in an excavation where the side walls are shored or sloped to the angle or repose.

c. Working within tunnels prior to the completion of all driving and shoring operations.



*d.* Working within shafts prior to the completion of all sinking and shoring operations.

This subrule is intended to implement Iowa Code section 92.8(16).

**32.8(17) to 32.8(20)** Reserved.

**32.8(21)** Occupations deemed by the labor commissioner to be hazardous to life or limb as provided by Iowa Code section 92.8(21) include the following:

*a.* Occupations involved in the operation of power cutters on corn detasseling machines.

*b.* Occupations involved in the driving of power-driven detasseling machines provided that the driver has a valid driver's license or a certificate issued by the Federal Extension Service showing that the driver has completed a 4-H farm and machinery program.

This subrule is intended to implement Iowa Code section 92.8(21).

This rule is intended to implement Iowa Code section 92.8.