

Ind 1, 3 to 9, 11, 12, 14, 16, 19, 35, 43, 45,  
46, 65

STATE OF WISCONSIN )  
 ) SS  
DEPARTMENT OF INDUSTRY, )  
LABOR AND HUMAN RELATIONS)

TO ALL TO WHOM THESE PRESENTS SHALL COME, GREETINGS:

I, Zel S. Rice II, Secretary of the Department of Industry, Labor and Human Relations, and custodian of the official records of said department, do hereby certify that the attached rules to the following Wisconsin Administrative Codes were adopted by this department on *April 11, 1978.*

- Chapter Ind 1--Safety
- Chapter Ind 3--Mines, Pits and Quarries
- Chapter Ind 4--Elevator Code
- Chapter Ind 5--Explosives and Blasting Agents
- Chapter Ind 6--Trench, Excavation and Tunnel Construction
- Chapter Ind 7--Cleaning and Dyeing
- Chapter Ind 8--Flammable and Combustible Liquids
- Chapter Ind 9--Liquefied Petroleum Gases
- Chapter Ind 11--Occupational Noise Exposure
- Chapter Ind 12--Work Under Compressed Air
- Chapter Ind 14--Mobile Homes
- Chapter Ind 16--Electric Fences
- Chapter Ind 19--Illumination Code
- Chapter Ind 35--Safety in Construction
- Chapter Ind 43--Anhydrous Ammonia
- Chapter Ind 45--Mechanical Refrigeration
- Chapter Ind 46--Towing and Lifting Devices for Ski Areas
- Chapter Ind 65--Fire Prevention

I further certify that said copy has been compared by me with the original on file in this department and that the same is a true copy thereof and of the whole of such original.

IN TESTIMONY WHEREOF, I have hereunto  
by hand and affixed the official seal  
of the department at the Capitol, in the  
City of Madison, this 10<sup>th</sup> day of  
April, A.D., 1978.

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*Wayne F. McLean*  
for Zel S. Rice II, Secretary

ORDER OF  
DEPARTMENT OF INDUSTRY, LABOR AND HUMAN RELATIONS

Pursuant to authority vested in the Department of Industry, Labor and Human Relations by section 227.02 (1) (b), Wis. Stats., the Department of Industry, Labor and Human Relations hereby amends and adopts rules of the following Wisconsin Administrative Codes:

Chapter Ind 1--Safety  
Chapter Ind 3--Mines, Pits and Quarries  
Chapter Ind 4--Elevator Code  
Chapter Ind 5--Explosives and Blasting Agents  
Chapter Ind 6--Trench, Excavation and Tunnel Construction  
Chapter Ind 7--Cleaning and Dyeing  
Chapter Ind 8--Flammable and Combustible Liquids  
Chapter Ind 9--Liquefied Petroleum Gases  
Chapter Ind 11--Occupational Noise Exposure  
Chapter Ind 12--Work Under Compressed Air  
Chapter Ind 14--Mobile Homes  
Chapter Ind 16--Electric Fences  
Chapter Ind 19--Illumination Code  
Chapter Ind 35--Safety in Construction  
Chapter Ind 43--Anhydrous Ammonia  
Chapter Ind 45--Mechanical Refrigeration  
Chapter Ind 46--Towing and Lifting Devices for Ski Areas  
Chapter Ind 65--Fire Prevention

The rules attached hereto shall become effective on the first day of the month following publication in the Wisconsin Administrative Register as provided in section 227.026, Wis. Stats.

CHAPTER IND 1--SAFETY

Subsection Ind 1.03 (2) (intro. par.) is amended to read:

- (2) The inspector before making an inspection shall contact a representative of the employer and a representative authorized by the employees who shall be given an opportunity to accompany the inspector during the physical inspection of any workplace under (1) for the purpose of aiding such inspection.

Subsection Ind 1.40 (4) is amended to read:

- (4) Oil swabs or scale brushes or other devices to remove scale shall be provided. These devices shall be long enough to enable a person to reach the full length of the die without placing a hand or arm between the dies.

Subsection Ind 1.41 (2) is amended to read:

- (2) Machines that are set in motion by a two-hand tripping device will comply with this rule provided the design and construction of the two-hand device is such that the employee's hands cannot be placed in the path of the descending knife after tripping the machine.

Subsection Ind 1.43 (2) (a) is amended to read:

- (a) If equipped with an electric push button that will require the operator to keep a finger on the button when operating the mixer with the cover open, the button shall be located so that the operator cannot reach into the mixer while pressing the button, or

Subsection Ind 1.72 (2) is amended to read:

- (2) If possible, footwalks shall be located so as to give a headroom of not less than 78 inches. Otherwise a headroom of not less than 48 inches may be used. If it is not possible to provide a headroom of 48 inches or more, footwalks shall be omitted from the crane, and a stationary platform built at the edge of the runway to be used by workers when making repairs, or else a landing stage built alongside the crane when repair work is done.

CHAPTER IND 3--MINES, PITS AND QUARRIES

Subsection Ind 3.01 (2) (intro. par.) is amended to read:

- (2) The inspector before making an inspection shall contact a representative of the employer and a representative authorized by the employees who shall be given an opportunity to accompany the inspector during the physical inspection of any workplace under subsection (1) for the purpose of aiding such inspection.

Subsections Ind 3.02 (3) and (31) are amended to read:

- (3) ACTIVE WORKINGS. Areas at, in, or around a mine or plant where persons work or travel.
- (31) MAN TRIP. A trip on which persons are transported to and from a work area.

Subsections Ind 3.03 (8), (9), (10), (12) and (21) are amended to read:

- (8) The supervisor, or a competent person designated by the supervisor, shall examine working areas and faces for unsafe conditions at least at the beginning of each shift and after blasting. Any unsafe condition found shall be corrected before any further work is performed at the immediate area or face at which the unsafe condition exists.
- (9) Persons shall examine their working places before starting work and frequently thereafter and any unsafe condition shall be corrected.
- (10) Banks, benches, and terrain sloping into the working areas shall be examined after every rain, freeze, or thaw before persons work in such areas.
- (12) Persons shall not work between equipment and the pit wall or bank where the equipment may hinder escape from falls or slides of the bank.
- (21) Persons shall be trained in the proper methods of testing for, taking down, and supporting loose ground.

Subsection Ind 3.04 (67) is amended to read:

- (67) A mine rescue station equipped with at least 10 sets of approved and properly maintained 2-hour self-contained breathing apparatus, adequate supplies, and spare parts shall be maintained at mines employing 75 or more persons underground or, in lieu thereof, the mine should be affiliated with a central mine rescue station.

Subsections Ind 3.07 (4) and (18) are amended to read:

- (4) Persons shall not be on the mast while the drill is in operation.
- (18) Persons shall not hold the drill steel while collaring holes, or rest their hands on the chuck or centralizer while drilling.

Subsection Ind 3.08 (5) is amended to read:

- (5) Persons shall not smoke and open flames shall not be used in the vicinity of the oxygen storage and supply lines. Signs warning against smoking and open flames shall be posted in these areas.

Subsections Ind 3.09 (27), (30), (33), (39), (40), (43), (64), (67), (85), (102), (106), (107), (110), (114), (116) and (117) are amended to read:

- (27) The operator, when present, shall be notified before persons get on or off equipment.
- (30) Persons shall not work or pass under the buckets or booms of loaders in operation.
- (33) Persons shall not ride in dippers, buckets, forks, clamshells, or in the beds of dump trucks for the purpose of transportation.
- (39) Persons shall not get on or off moving equipment, except that trainmen may get on or off of slowly moving trains.
- (40) Persons shall not ride on top of loaded haulage equipment.
- (43) Persons shall not ride outside the cabs and beds of mobile equipment.
- (64) Chute-loading installations shall be designed so that persons pulling chutes are not required to be in hazardous positions while loading cars or trucks.
- (67) Facilities used to transport persons to and from work areas shall not be overcrowded.
- (85) Supplies, materials, and tools other than small hand tools shall not be transported with persons in man-trip vehicles, unless such vehicles are specifically designed to make such transportation safe.
- (102) When signalmen are used during slushing operations they shall be positioned in a safe place.
- (106) Ample warning shall be given to persons who may be affected by the draw or otherwise exposed to danger from chute-pulling operations.
- (107) Persons shall not stand on broken rock or ore over draw points if there is danger that the chute will be pulled. Suitable platforms or safety lines shall be provided when work must be done in such areas.
- (110) Shelter holes shall be provided to insure the safety of persons along haulage-ways where continuous clearance of at least 30 inches from the farthest projection of moving equipment on at least one side of the haulageway cannot be maintained.
- (114) Where man trips are used, discharge and boarding points shall be designated. Persons shall not board or leave moving man-trip cars.
- (116) During shift changes the movement of rock or material trains shall be limited to areas where such trains could not present a hazard to persons coming on or going off shift.
- (117) Persons shall not ride between cars. Persons shall not ride on top of loaded cars unless authorized to do so.

Subsection Ind 3.10 (9) is amended to read:

- (9) Persons shall not ride loaded buckets.

Subsection Ind 3.11 (56) is amended to read:

- (56) Emergency hoisting facilities shall conform to the extent possible to safety requirements for other man hoists, shall be adequate to remove the persons from the mine with a minimum of delay, be maintained in ready condition, and be tested at least every 30 days; records shall be kept of these tests.

Subsections Ind 3.16 (9), (11) and (13) are amended to read:

- (9) Operators of equipment shall not suspend or move loads over workers.
- (11) Persons shall not ride on loads being moved by cranes or derricks, nor shall they ride the hoisting hooks unless such method eliminates a greater hazard.
- (13) Only persons wearing protective equipment shall stand near pots or ladles when molten material is being handled; warning should be given before a pour is made or the pot is moved.

Subsections Ind 3.18 (7), (9), (25) and (27) are amended to read:

- (7) Inexperienced employes shall be assigned to work with experienced persons until such employes have acquired the necessary skills to perform their duties safely.
- (9) An authorized person shall be in charge at all times when persons are working.
- (25) No employe shall be assigned, or allowed, or be required to perform work alone in any area where hazardous conditions exist that would endanger the employe's safety unless a cry for help can be heard or the employe can be seen.
- (27) An accurate record of the persons going in and out of the mine shall be kept on the surface.

Section Ind 3.19 Note(at beginning of section) is amended to read:

Note: The hoisting standards in this section apply to those hoists and appurtenances used for hoisting persons. However, where persons may be endangered by hoists and appurtenances used solely for handling ore, rock, and materials, the appropriate standards shall be applied.

Subsections Ind 3.19 (4), (47)(intro. par.), (49), (50)(intro. par.), (50)(c), (61), (66), (69), (70), (71), (72), (74), (76), (96), (104), (107) and (110) are amended to read:

- (4) Any hoist used to hoist persons shall be equipped with a brake or brakes which shall be capable of holding its fully loaded cage, skip, or bucket at any point in the shaft.
- (47) (intro. par.) All skips conveying persons shall be provided with:
- (49) Buckets shall not be used to hoist persons except during shaft sinking operations, inspection, maintenance, and repairs.

- (50) (intro. par.) Buckets used to hoist persons during shaft sinking operations shall have:
- (50) (c) Sufficient depth to transport persons safely in a standing position.
- (61) The safe speed shall be determined for each shaft; in no instance shall this speed exceed 2,500 feet per minute for hoisting persons.
- (66) Management shall designate the maximum number of persons permitted to ride on a trip at one time; this limit shall be posted.
- (69) Persons shall not enter or leave conveyances which are in motion or after a signal to move the conveyance has been given to the hoistman.
- (70) Cage doors or gates shall be closed while persons are being hoisted; they shall not be opened until the cage has come to a stop.
- (71) Persons shall not ride in skips or buckets with muck, supplies, materials, or tools other than small hand tools.
- (72) When combinations of cages and skips are used, the skips shall be empty while persons are being transported.
- (74) Persons shall not ride the ball, bail, hook, rim, or bonnet of any shaft conveyance, except where necessary for the inspection and maintenance of the shaft and lining.
- (76) When persons are hoisted, bucket speeds shall not exceed 500 feet a minute, and shall not exceed 200 feet a minute when within 100 feet of a landing.
- (96) Any person responsible for receiving or giving signals for cages, skips, and man trips when persons or materials are being transported shall be familiar with the posted signaling code.
- (104) Adequate clearance shall be maintained at shaft stations to allow persons to pass safely and to allow materials to be handled safely.
- (107) Hoistmen shall be informed when persons are working in a compartment affected by that operation and "Men Working in Shaft" sign shall be posted at the hoist.
- (110) A substantial bulkhead or equivalent protection shall be provided above persons at work deepening a shaft.

Subsections Ind 3.21 (10), (24), (26), (32), (40), (57), (59) and (60) (intro. par.) (60) (e), (60) (f) and (60) (h) are amended to read:

- (10) Persons shall not smoke or carry smoking materials, matches, or lighters underground. The operator shall institute a reasonable program to insure that persons entering the mine do not carry smoking materials, matches, or lighters.
- (24) When a main fan fails or stops and ventilation is not restored in a reasonable time, action shall be taken to cut off the power to the areas affected and to withdraw all persons from such areas.

- (26) When ventilation is not restored in a reasonable time, all persons shall be removed from the areas affected, and after ventilation has been restored, the areas affected shall be examined by qualified persons for gas and other hazards and made safe before power is restored and before persons, other than the examiners and other authorized persons, return to the areas affected.
- (32) Persons shall be withdrawn from areas affected by auxiliary or booster fans when such fans slow down or stop.
- (40) If 1.5 percent or higher concentration of flammable gas is detected in air returning from an underground working place or places, the persons shall be withdrawn and the power cut off to the portion of the mine endangered by such flammable gas until the concentration of such gas is reduced to 1.0 percent or less.
- (57) Doors shall be kept closed except when persons or equipment are passing through the doorways.
- (59) Preshift examination shall be made of all working areas by qualified persons within 3 hours before any workers, other than the examiners, enter the mine.
- (60) (intro. par.) Examiners shall be responsible for a definite underground area and shall:
  - (60) (e) Place their initials and the date at or near the face of each place they examine.
  - (60) (f) Indicate places that they consider may be dangerous to persons who may enter or be in such places by posting danger signs conspicuously at points that persons must pass to enter such dangerous places.
  - (60) (h) Record the results of their examinations with ink or indelible pencil in a book kept for that purpose at a designated place on the surface of the mine.

Subsections Ind 3.23 (31), (35), (36) (c) and (38) are amended to read:

- (31) In areas where dangerous accumulations of water, gas, mud, or fire atmosphere could be encountered, persons shall be removed to safe places before blasting.
- (35) A competent person or persons shall be detailed to make daily inspection of those parts of the mine which are traversed or are being worked. They shall inspect the roof, side walls, and pillars of those parts of the mine where persons are employed and he shall promptly retimber or bar down or cause to be retimbered or barred down in a safe manner any dangerous or questionable ground. Workers shall stand to one side when barring down or picking loose material.
- (36) (c) Where there is danger of a sudden inburst of water, such additional raises, drifts, or other safety provisions shall be constructed as are necessary in the opinion of the department to insure the escape of workers.
- (38) Only competent persons who are able to speak and read the English language shall be employed to operate mine hoists. Each hoistman shall be given a thorough medical physical examination at least every 6 months by a competent physician authorized to practice in Wisconsin. The physician shall fill out the examination blank, form SB-33, copies of which are available from the department, and return it to the employer.

Appendix A--Advisory Safety Guidelines:

A 3.04 (70) and (72) are amended to read:

- (70) At least 2 rescue crews (10 persons) should be trained annually in the use, care, and limitation of self-contained breathing and fire fighting apparatus and in mine-rescue procedures at mines employing 75 or more persons. Smaller mines should have one or more trained persons available.
- (72) Only trained mine rescue persons should participate in fire fighting operations in advance of the fresh air base.

A 3.07 (14), (15), (25), (26) and (31) are amended to read:

- (14) Persons operating or working near jackhammers or jackleg drills and other drilling machines should position themselves so that they will not be struck or lose their balance if the drill steel breaks or sticks.
- (15) Persons should not drill from positions that hinder their access to the control levers or from insecure footing or staging, or from atop equipment not designed for this purpose.
- (25) Persons operating or working near drilling machines should position themselves so that they will not be struck or lose their balance if the steel breaks or sticks.
- (26) Persons should not attempt to operate drills from positions that hinder their access to the control levers.
- (31) Before drilling cycle is started, warning should be given to persons working below jumbo decks.

A 3.09 (8), (44) (99), (108) and (109) are amended to read:

- (8) Adequate protection should be provided at dumping locations where persons may be endangered by falling material.
- (44) Persons should not ride in conveyances equipped with unloading devices unless a positive means is provided to prevent accidental starting of the unloading mechanism.
- (99) Supplies, materials, and tools other than small hand tools should not be transported with persons in man-trip cars. Man-trips should be operated independently of ore and supply trips.
- (108) Persons attempting to loosen hangups should work with extreme caution.
- (109) Persons should not work or pass under hung draw openings unless the openings are blocked effectively.

A 3.11 (11) is amended to read:

- (11) Persons climbing or descending ladders should face the ladders and have both hands free for climbing.

A 3.12(49) and (54) are amended to read:

- (49) Persons should not stand on the ground in the vicinity of an electrically powered shovel or other similar heavy equipment during an electrical storm.
- (54) Tools and supplies should be carried in the hands and not on the shoulders when persons travel near bare power conductors.

A 3.14 (30) is amended to read:

- (30) Persons should not work on or from a piece of mobile equipment in a raised position until it has been blocked in place securely. This does not preclude the use of equipment specifically designed as elevated mobile work platforms.

A 3.16 (2) is amended to read:

- (2) Persons working on surge piles or storage piles should not walk or stand immediately above a reclaiming area during reclaiming.

A 3.19 (59), (60), (64), (68), (78), (108) and (130) are amended to read:

- (59) Whenever a regular shift of persons is being hoisted or lowered by a manually operated hoist, a second person familiar with and qualified to stop the hoist should be in attendance; this provision should not apply to sinking operations, level development, or repair operations in the mine.
- (60) Hoistmen should use extreme caution when hoisting or lowering persons.
- (64) Conveyances intended to be operated in balance should not be balanced when persons are on the cage.
- (68) Persons should enter, ride, and leave conveyances in an orderly manner.
- (78) Buckets should be stopped after being raised 3 feet when persons are hoisted from the bottom; a second hoisting signal should be given after the bucket has been stabilized. Hoisting should be at a minimum speed and the bellcord should be attended constantly until the crosshead has been engaged.
- (108) "Men Working in Shaft" signs should be posted at the signal devices at all active stations and landings when persons are working in a compartment affected by that hoisting operation.
- (130) Empty conveyances should be operated up and down shafts at least one round trip before hoisting persons and after any shaft or equipment repairs and before regular man trips are hoisted or lowered.

A 3.21 (65) (intro. par.) and (65) (b) and (d) are amended to read:

- (65) Examinations for dangerous conditions, including tests for flammable gas with a device approved by the department, should be made at least once each week, and at intervals of not more than 7 days, by the mine foreman or other designated mine official, except during weeks in which the mine is idle for the entire week. The foremen or other designated mine officials should:
  - (b) Mark their initials and the data at the places examined.
  - (d) Record the results of their examination with ink or indelible pencil in a book kept for that purpose at a designated place on the surface of the mine.

A 3.23 (4) is amended to read:

- (4) Persons should not engage in horseplay.

CHAPTER IND 4--ELEVATOR CODE

Subsection Ind 4.09 (2) (intro. par.) is amended to read:

- (2) The inspector before making an inspection shall contact a representative of the employer and a representative authorized by the employes who shall be given an opportunity to accompany the inspector during the physical inspection of any workplace under subsection (1) for the purpose of aiding such inspection.

Subsection Ind 4.31 (6) (c) 3. is amended to read:

3. The emergency operating key for unlocking hoistway doors shall be located adjacent to the lowest landing or be on the premises and made readily available by the building owner or an authorized representative.

Subsection Ind 4.38 (1) (a) 7. b. is amended to read:

- b. The emergency operating key for unlocking hoistway doors shall be located adjacent to the lowest landing or be on the premises and made readily available by the building owner or an authorized representative. The key shall be kept in a receptacle having a breakable red cover. The receptacle shall be clearly marked "Fire Department and Emergency Use Only."

Subsection Ind 4.38 (2) (b) 7. b. is amended to read:

- b. The emergency operating key for unlocking hoistway doors shall be located adjacent to the lowest landing or be on the premises and made readily available by the building owner or an authorized representative. The key shall be kept in a receptacle having a breakable red cover. The receptacle shall be clearly marked "Fire Department and Emergency Use Only."

Subsection Ind 4.38 (2) (b) 8. e. is amended to read:

- e. The emergency operating key for unlocking hoistway doors shall be located adjacent to the lowest landing or be on the premises and made readily available by the building owner or an authorized representative. The key shall be kept in a receptacle having a breakable red cover. The receptacle shall be clearly marked "Fire Department and Emergency Use Only."

CHAPTER IND 5--EXPLOSIVES AND BLASTING AGENTS

Subsection Ind 5.001 (3) Note is amended to read:

Note: Applicable special rules may be issued by the department when deemed necessary.

Subsection Ind 5.01 (2) (intro. par.) is amended to read:

- (2) The inspector before making an inspection shall contact a representative of the employer and a representative authorized by the employes who shall be given an opportunity to accompany the inspector during the physical inspection of any workplace under subsection (1) for the purpose of aiding such inspection.

Subsections Ind 5.03 (3) and (5) are amended to read:

- (3) Approved. The term "approved" shall be held to mean approved by the department.
- (5) Blaster. The term "blaster" shall mean any person or persons holding a license issued by the department.

Subsection Ind 5.03 (14a) is created to read:

- (14a) Department. The term "department" means the department of industry, labor and human relations.

Subsection Ind 5.03 (17) is amended to read:

- (17) Explosive. For the purpose of these rules, an "explosive" is defined as any chemical compound, mixture, or device, the primary or common purpose of which is to function by explosion, i.e., with substantially instantaneous release of both gas and heat, unless such compound, mixture or device is otherwise classified by the department.

Subsection Ind 5.04 (8) is amended to read:

- (8) Blasting operations within a community may store up to a maximum of 24 hours explosives requirements, but where such 24 hours requirements exceeds 50 pounds, written permission shall be obtained in advance from the department and the explosives shall be stored in a magazine as described in Wis. Adm. Code section Ind 5.08.

Subsection Ind 5.06 (1) is amended to read:

- (1) All magazines in which explosives are kept or stored shall be located at a distance from buildings, railroads and highways in conformity with the following Table of Distances, unless otherwise authorized by the department.

Section Ind 5.08 is amended to read:

Ind 5.08 STORAGE, DAILY SUPPLY. Where explosives in excess of immediate requirements are removed from a magazine and delivered in the vicinity of a blasting operation, they shall be kept in a stout, tight box constructed of nominal 2-inch plank, covered with not less than 26 gauge sheet metal or other fire-resistive material, and equipped with hinged lid, or in a small portable building similarly

covered. Not more than 24 hours' supply of explosives shall at any time be kept or stored therein. If this daily supply exceeds 50 pounds, it shall be located not less than 200 feet from the work in progress and from buildings, railroads, and highways, except by written permission of the department. Except when necessarily opened for use by authorized persons, such box shall be locked. Each such box shall be painted red and be conspicuously marked EXPLOSIVES.

Subsection Ind 5.11 (4) is amended to read:

- (4) Only careful, qualified persons who have been selected and regularly designated by the employer shall drive, load, or unload a vehicle transporting explosives.

Subsections Ind 5.12 (1), (3) and (6) are amended to read:

- (1) No person shall be permitted to prepare explosive charges or conduct blasting operations, and no employer shall employ any person for such purposes unless such person is 21 years of age and holds a valid blasters license issued by the department after a determination of fitness by examination.
- (3) The blasters license may be revoked or suspended by the department in cases of violations of safety practices.
- (6) Blasters certificates which are valid on March 1, 1965 shall become invalid in one year unless application for a blasters license is filed with the department and an examination is written and passed when scheduled. Arrangements for examination will be made as soon as practicable.

Subsection Ind 5.16 (16) is amended to read:

- \* (16) Only well insulated copper leading wire, 14 gauge or larger, and approved by the department shall be used. When firing with a blasting machine the leading wires shall be kept disconnected and short-circuited, except when firing the blast.

Subsection Ind 5.17 (2) (b) is amended to read:

- (b) Whenever blasting is being done in a tunnel, at points likely to break through to where other persons are at work, the foreman or person in charge shall, before any holes are loaded, give warning of danger to all persons who may be working where the blasts may break through, and he shall not allow any holes to be charged until a warning is acknowledged and persons are removed.

Subsection Ind 5.45 (1) is amended to read:

- (1) Explosives of Fume Class 1 shall be used in blasting underground. Underground atmospheres to which persons are subjected shall conform to the requirements of Wis. Adm. Code section Ind 3.20 (2) (b) of the general rules on mines.

Subsection Ind 5.45 (12) is amended to read:

- (12) While drilling in large underground rounds of blast holes, no hole shall be loaded which is not separated from a hole being drilled, by at least one empty hole and at least 6 feet of distance. In each case in which this practice is applied it shall be with the express knowledge of the person in charge of the mine, and the person in charge shall insure that in each particular instance of the practice, all aspects of the operation are carried out in a careful and workmanlike manner.

Subsections Ind 5.46 (3) and (5) are amended to read:

- (3) No person shall "spit" more than 15 fuses in a round of shots except when using a water-resistant or waterproof ignitacord.
- (5) At least 2 persons shall be present at each location where cap and fuse blasting is done.

Subsection Ind 5.47 (2) (c) is amended to read:

- (c) In drifts, crosscuts, storage pockets and pump sumps where there is not enough protection for the persons from flying rock or concussion.

Subsection Ind 5.61 (4) is amended to read:

- (4) Experimental Mixes. Manufacturing. Unusual compositions or combinations of ingredients shall not be attempted except under the supervision of personnel competent by education and experience to evaluate the possibility of new hazards and unless the operation is equipped to determine the sensitivity of the resultant product. Metal dusts (such as aluminum powder), sulfur, perchlorates, and explosive substances (such as nitroglycerine, TNT, and other high explosives) shall not be used to sensitize ammonium nitrate unless the strict standards of explosive plant operations\* can be and are met. Nitrites and chlorates shall not be used in blasting agent formulations. High explosives manufacturing operations shall be conducted in accordance with methods approved by the department.

\*Note: Manufacturing procedures recommended by IME are generally acceptable.

#### CHAPTER IND 6--TRENCH, EXCAVATION AND TUNNEL CONSTRUCTION

Subsection Ind 6.02 (11) is amended to read:

- (11) Approved (unless otherwise specified) means approval by the department.

Subsection Ind 6.02 (11a) is created to read:

- (11a) Department means the department of industry, labor and human relations.

Subsection Ind 6.03 (2) (intro. par.) is amended to read:

- (2) The inspector before making an inspection shall contact a representative of the employer and a representative authorized by the employees who shall be given an opportunity to accompany the inspector during the physical inspection of any workplace under subsection (1) for the purpose of aiding such inspection.

Subsection Ind 6.03 (4) is amended to read:

- (4) Frequent inspections of rock excavations, including tunnels, shafts and trenches shall be made by the constructor or a representative and loose rock which may fall shall be removed.

Subsection Ind 6.05 (2) Note is amended to read:

Note: Lists of approved safety belts can be secured from the department.

Subsections Ind 6.05 (5) and (8) are amended to read:

- (5) Solitary employment. No person shall be allowed to work in any trench, except one which is properly side sloped, shaft, tunnel, caisson, or appurtenance over 4-1/2 feet in depth without another person being present at the surface.

Note: Any casual entrance into an excavation such as retrieving fallen objects shall not be construed as work under this section.

- (8) Workers. Every reasonable precaution shall be taken to insure the safety of the worker in all cases whether or not provided for in these rules.

Note: Attention is directed to the provision of Wis. Stats. 66.047, relative to protecting underground facilities in streets, highways, etc., and informing the utility concerned.

Subsections Ind 6.06 (1) (intro. par.), (6) and (9) are amended to read:

- (1) Brace or slope. All areas in trenches in which persons are permitted to work shall be adequately and securely timbered or sloped as follows.
- (6) Good installations. In using tables 1, 2, 3, 4 and 5, the maximum distance from the top of the trench to the top cross brace shall be 2 feet. The maximum distance from the bottom of the trench to the bottom cross brace shall be 3 feet. All sheathing shall extend from the ground surface to at least within 6 inches of the bottom of the trench. If any cross braces are removed to install pipe or other conduits, persons shall not be allowed to work in these unprotected areas except to replace the cross braces.
- (9) Plans for approval. For trenches and other excavations exceeding 40 feet in depth or 12 feet in width, plans for timbering shall be submitted to the department for approval.

Subsection Ind 6.09 (3) is amended to read:

- (3) Care of equipment and practices. No persons shall be allowed to install or handle electric lights, or conductors, or work on or with electrically driven apparatus, unless they shall be competent and shall have been previously instructed in the performance of their duties by the tunnel superintendent, tunnel foreman, or a person authorized by either.

Subsection Ind 6.10 (1) is amended to read:

- (1) One outside toilet and urinal shall be provided for every 20 persons employed on each shift and protection from the weather shall be provided. For any construction project occupying a location for 60 days or more, the toilet facilities shall be of a chemical type, or a flush toilet system connected to a septic tank or a sewerage system, if no other facilities are available.

Subsections Ind 6.12 (4), (5) and (6) are amended to read:

- (4) Unusual conditions and alternate designs. The requirements set forth in section Ind 6.12 are minimum. Bracing of greater strength shall be used when unusual soil conditions prevail. If shafts are constructed of greater dimensions than those set forth in the Wis. Adm. Code section Ind 6.12, drawings and design calculations for bracing shall be presented for approval to the department. Alternate designs for those set forth in this section also shall be presented to the department for approval.
- (5) Staging and scaffolds. Staging or scaffolds shall be provided in shafts for workers when installing equipment or driving sheathing. All scaffolds shall be constructed or installed so as to support any maximum material load which may be placed on them as well as weight of the workers.
- (6) Clam shell buckets. No person shall be permitted to work in a shaft when excavation is being done with a clam shell bucket unless the longest horizontal dimension of the shaft is at least twice the length of the bucket when fully opened.

Subsection Ind 6.13 (5) is amended to read:

- (5) The tops of all bins or hoppers around which persons are required to work shall be provided with a guardrail.

Subsection Ind 6.14 (1) is amended to read:

- (1) All shafts where persons work shall at all times be provided with ladders, stairways, or cages which shall be kept clean and in good condition.

Section Ind 6.15 is amended to read:

Ind 6.15 HOISTS FOR WORKERS. Hoists on which workers are permitted to ride shall be of approved design. Approval shall be obtained in advance of installation from the department.

Subsections Ind 6.17 (6), (7), (10) and (11) are amended to read:

- (6) Persons shall not be hoisted or lowered into any tunnel or shaft at a speed greater than the rate posted in the engine room.
- (7) After any stoppage of hoisting for repairs, the conveyance shall be run up and down the working part of the shaft at least once. The conveyance shall not be used for hoisting or lowering persons during this test nor until the hoisting machinery and shaft shall have been found to be safe.
- (10) The superintendent of the tunnel shall establish for each shaft rates of speed for the conveyances. Established speed shall not be exceeded in the hoisting or lowering of persons. The superintendent shall post a notice of such established speed in a conspicuous place near each hoisting engine; such rates of speed shall not exceed the maximum approved by the department.
- (11) The superintendent of the tunnel shall determine the maximum number of persons that may safely ride on the conveyance used in the tunnel under the superintendent's supervision, and shall post in a conspicuous place near each shaft a notice stating the maximum number of persons so permitted to ride and forbidding the carrying of any greater number. The number of persons permitted to ride, as determined by the superintendent, shall not exceed the maximum approved by the department.

Subsections Ind 6.19 (1), (3), (5) and (6) are amended to read:

- (1) Ropes or cables for hoisting or lowering persons, when such hoisting or lowering is done by power hoists, shall be composed of metal wires.
- (3) No head or angle sheave of a diameter less than 40 times the diameter of the rope or cable shall be used for hoisting or lowering persons.
  1. Exception: This subsection does not apply to sheaves on standard equipment approved for hoisting and lowering persons.
- (5) All ropes or cables used for hoisting or lowering persons shall be thoroughly inspected once each week by some competent person designated for the purpose by the superintendent. If upon an inspection such hoisting rope or cable shall be found to be below the requirements set forth in these rules, it shall be discontinued for such purpose forthwith.
- (6) Every rope or cable used for hoisting or lowering persons shall be securely fastened at both ends and when in use shall never be fully unwound; at least 2 full turns shall remain always on the drum or reel. The end of the rope attached to the conveyance in the shaft shall be bound around an oval thimble and then fastened to itself by the use of 3 or more clamps, or shall be securely fastened with a tapered socket.

Subsections Ind 6.20 (1) (intro. par.) and (3) are amended to read:

- (1) In all shafts or excavations over 45 feet in depth cages shall be provided for hoisting and lowering persons. The cage requirement, however, does not apply to the following:
- (3) In any caisson or excavation regardless of depth, too small to accommodate a cage, a ladder or a stairway, persons may be lowered or hoisted by a bucket or other device but only when approved by the department.

Subsections Ind 6.21 (1), (9), (10) and (11) are amended to read:

- (1) Every shaft or tunnel excavation not located in solid rock in which persons are permitted to work shall be kept adequately and securely timbered to prevent injury to any person from falling materials, or collapse of the sides or roof of the working place.
- (9) For tunnels of greater dimension than indicated in figures 5 to 12, or for modifications or combinations of sections of timbering for the same, drawings and design calculations shall be submitted to the department for approval. The use of metal liners is subject to the approval of the department.
- (10) Tunnel excavations in which persons are permitted to work shall not be less than 3 feet wide nor less than 4 feet in height. These measurements apply to distance between timbers.
- (11) Any metal shield used for tunnel work shall be of a design subject to the approval of the department.

CHAPTER IND 7--CLEANING AND DYEING

Subsections Ind 7.001 (2) and (3) are amended to read:

- (2) Substandard existing dry cleaning or dry dyeing establishments shall be brought within the standards of this code insofar as may be directed by the department.
- (3) Requirements of other codes issued by the department shall apply as they may be applicable in all matters falling within the scope of, but not specifically treated in this code.

Subsection Ind 7.002 (2) (intro. par.) is amended to read:

- (2) The inspector before making an inspection shall contact a representative of the employer and a representative authorized by the employees who shall be given an opportunity to accompany the inspector during the physical inspection of any workplace under (1) for the purpose of aiding such inspection.

Subsections Ind 7.01 (4), (5) and (20) are amended to read:

- (4) New dry cleaning and/or dry dyeing plant. A plant, additions thereto, and alterations thereof for which plans have not been approved by the department or construction is not in progress, prior to the effective date of this code.
- (5) Existing dry cleaning and/or dry dyeing plant. A plant, additions thereto, and alterations thereof, structurally completed or for which plans have been approved by the department, and construction is in progress prior to the effective date of this code.
- (20) Approved. The term shall be understood to mean acceptable to the department.

Subsection Ind 7.01 (22) is created to read:

- (22) Department. The term "department" means the department of industry, labor and human relations.

Subsection Ind 7.02 (1) (d) third note is amended to read:

Note: It will be the policy of the department to approve subject to the provisions of this rule, dry cleaning equipment and cleaning liquids which have been inspected and listed by Underwriters' Laboratories or equivalent.

Section Ind 7.04 is amended to read:

Ind 7.04 APPLICATION AND APPROVAL. Before any dry cleaning plant may be established, application for permission therefor shall be filed with and approved by the department. Application shall be made on a standard form which will be furnished on request, and the completed form shall accompany the plans and specifications called for under the following order.

Subsection Ind 7.05 (1) is amended to read:

- (1) Approval required. Before any new dry cleaning plant, room or building may be constructed or an existing dry cleaning plant remodeled, complete plans and specifications showing information hereinafter required shall be submitted in duplicate to the department. Approval shall be obtained before construction work is started, and all work shall be executed according to approved plans and specifications.

Exception: In cities where plans are examined and building permits are issued by a city building official in a manner approved by the department, additional approval by the department is not required.

Subsection Ind 7.05 (2) (d) Note and Exception are amended to read:

Note: All storage systems shall conform to requirements of the flammable liquids code issued by the department.

Exception: Where a class IV dry cleaning plant is to be established in an existing building, it will be sufficient to provide a floor plan showing the proposed location of the dry cleaning equipment with respect to other ~~departments-or~~ operations incidental to or in connection with the dry cleaning business.

Subsections Ind 7.06 (1), (3) and (4) are amended to read:

- (1) Every dry cleaning plant shall have posted in a conspicuous place, a permit issued by the department. Permits shall remain in force until revoked for cause but shall not be transferable. Application for such permit shall be made on a standard form provided by the department.
- (3) Existing dry cleaning plants shall apply for permit when duly notified by the department to do so.
- (4) Where any dry cleaning plant is not maintained or operated in accordance with the provisions of this code, the department may revoke the permit.

Section Ind 7.07 Note is amended to read:

Note: It will be the policy of the department to consider as falling within the scope of this rule any Underwriters Laboratories "listed" solvent having a hazard rating above 40.

Subsection Ind 7.10 (2) Exception (1) is amended to read:

Exceptions: (1) At the discretion of the department after consideration of the nature of adjoining property, location, height, and type of construction of exposed buildings, doors or windows may be permitted in other than facing walls at distances of less than 10 feet from adjoining buildings or property lines.

Subsection Ind 7.11 (2) is amended to read:

- (2) All ventilation systems shall be designed, constructed and installed in accordance with requirements of the Wis. Adm. Code Ch. Ind 58 64, Heating, Ventilating and Air Conditioning Code issued by the department.

Subsection Ind 7.12 (2) (a) is amended to read:

- (2) Boiler installations. (a) All boilers used in connection with dry cleaning plants shall be isolated from the rest of the building by at least a 2-hour fire-resistant enclosure as specified in section Ind ~~54.13~~ 54.14 of the Wisconsin State Building Code. All boilers shall be built and installed in accordance with the Wisconsin State Boiler Code issued by the department.

Subsection Ind 7.13 (4) is amended to read:

- (4) Solvent storage and settling tanks in connection with the cleaning system shall be constructed and installed in accordance with the requirements of the Flammable Liquids Code issued by the department.

Subsection Ind 7.14 (1) (e) is amended to read:

- (e) All pulleys, belting, gears, and other rotating or oscillating parts shall be properly guarded as required by Wis. Adm. Code Ch. Ind 1, Safety, issued by the department.

Subsection Ind 7.14 (6) (c) Note is amended to read:

Note: The department will approve any drying tumbler having less than 10% explosion venting area, providing conclusive evidence of safety has been developed by actual test.

Subsection Ind 7.16 (8) Note is amended to read:

Note: The department will ordinarily approve any extinguisher which bears the label of Underwriters' Laboratories providing it is of size and type specified in section Ind 7.16 (7).

Subsection Ind 7.20 (2) is amended to read:

- (2) All ventilation systems shall be designed, constructed and installed in accordance with requirements of the Wis. Adm. Code Ch. Ind 64, Building and Heating, Ventilating and Air Conditioning Code issued by the department.

Subsection Ind 7.21 (2) (a) is amended to read:

- (a) All boilers used in connection with dry cleaning plants shall be isolated from the rest of the building by at least a 2-hour fire-resistive enclosure as specified in section Ind 54.14 of the Wisconsin State Building Code. All boilers shall be built and installed in accordance with the Wisconsin State Boiler Code issued by the department.

Subsection Ind 7.22 (1) is amended to read:

- (1) All solvent storage tanks and piping systems in connection therewith shall be constructed and installed in accordance with requirements of the Flammable Liquids Code issued by the department.

Subsection Ind 7.23 (1) (e) is amended to read:

- (e) All pulleys, belting, gears and other rotating or oscillating parts shall be guarded as required under general orders on safety issued by the department.

Subsection Ind 7.25 (8) Note is amended to read:

Note: The department will ordinarily approve any extinguisher which bears the label of Underwriters' Laboratories providing it is of size and type specified in section Ind 7.16 (7).

Subsection Ind 7.31 (2) Note is amended to read:

Note: A list of "approved" masks and respirators will be furnished by the department, on request.

CHAPTER IND 8--FLAMMABLE AND COMBUSTIBLE LIQUIDS

Subsection Ind 8.05 (2) (intro. par.) is amended to read:

- (2) The inspector before making an inspection shall contact a representative of the employer and a representative authorized by the employees who shall be given an opportunity to accompany the inspector during the physical inspection of any workplace under subsection (1) for the purpose of aiding such inspection.

Subsection Ind 8.12 (1) (b) (intro. par.) and (1) (c) are amended to read:

- (b) If the installation to be undertaken is one in which all tanks for storage, handling, or use of flammable or combustible liquid will have an individual capacity of less than 8,000 gallons, the approval in writing of the chief of the local fire department shall be obtained except that if by local ordinance another official is empowered to issue permits or approve plans for the proposed flammable or combustible liquid installations, the approval of the local official shall be obtained. If the installation is not within a governmental subdivision having an organized fire department or an official designated by local ordinance as aforesaid, the approval of the department shall be obtained.
- (c) The local official having approval jurisdiction under section Ind 8.12 shall require an application form SB-9 and that the proposed installation comply with the applicable requirements of these regulations as written or modified by the department, and if the information submitted with the application shows compliance, the local official shall issue approval in writing. In the event of a dispute as to whether the information submitted shows compliance as aforesaid, it shall be submitted to the department and the decision of the department shall control.

Subsection Ind 8.13 (1) is amended to read:

- (1) Before an installation, for which approval of plans is required, is covered from sight, the installer shall notify in writing the official having authority under this code or local ordinance to approve plans or issue permits for flammable or combustible liquid installations. The local official shall within 48 hours after receipt of the notice inspect the installation and give ~~his~~ written approval or disapproval. If the local official fails to make this inspection within the time specified, the installation may be covered.

CHAPTER IND 9--LIQUEFIED PETROLEUM GASES

Subsection Ind 9.003 (2) (intro. par.) is amended to read:

- (2) The inspector before making an inspection shall contact a representative of the employer and a representative authorized by the employees who shall be given an opportunity to accompany the inspector during the physical inspection of any workplace under subsection (1) for the purpose of aiding such inspection.

Subsection Ind 9.14 (4) is amended to read:

- (4) A person shall be in attendance at all times while the tank car, cars or trucks are being unloaded.

Section Ind 9.82 Note 2 to be repealed.

CHAPTER IND 11--OCCUPATIONAL NOISE EXPOSURE

Subsection Ind 11.02 (11) is amended to read:

- (11) Supervising physician. A medically trained person usually an ear specialist or general physician possessing specialized knowledge and experience ~~enabling~~ ~~him~~ to administer a functional hearing conservation program.

CHAPTER IND 12--WORK UNDER COMPRESSED AIR

Subsection Ind 12.01 (intro. par.) is amended to read:

Ind 12.01 APPLICATION OF ORDERS. The following rules shall apply whenever persons are employed in compressed air, exclusive of diving work. Machines, equipment, processes, and operations not specifically covered by these rules shall be governed by other applicable administrative codes.

Subsection Ind 12.02 (2) (intro. par.) is amended to read:

- (2) The inspector before making an inspection shall contact a representative of the employer and a representative authorized by the employees who shall be given an opportunity to accompany the inspector during the physical inspection of any workplace under subsection (1) for the purpose of aiding such inspection.

Subsections Ind 12.04 (4), (10) and (12) are amended to read:

- (4) Compressed air caisson. A vertical structure extended below the water or earth surface through which persons may descend through a lock into an air pressure greater than atmospheric. The pressurized atmosphere opposes the water pressure and permits persons to work at the bottom of the caisson.
- (10) Man lock. A chamber through which persons pass from one air pressure environment into another.
- (12) Medical lock. A special chamber in which persons are treated for decompression illness. It may also be used to preemployment physical examinations to determine the adaptability of the prospective employe to changes in pressure.

Subsections Ind 12.05 (1), (5), (6), (11) (a) and (11) (b) Note are amended to read:

- (1) Department notification. No work, where persons are employed in compressed air, shall be started until 7 days after the firm, corporation, commission, or person undertaking such work has notified, in writing, the department of industry, labor and human relations of such contemplated work.
- (5) Instruction of workers. The air master shall insure that all employes are instructed in the safe performance of their work, and require that each employe observe the rules of this code.
- (6) Employe identification. The employer shall furnish each compressed air employe with a durable identification bracelet. The bracelet shall bear employe's name and social security number and shall identify the employe as a compressed air worker, shall bear the location and telephone number of the compressed air medical treatment facility and shall bear instructions that in the event of compressed air illness or illness of unknown or doubtful cause, the wearer shall be taken to the medical lock without delay. All compressed air employes shall be instructed by the employer to have their identification bracelet in their personal possession at all times, both on and off the job. A permanent record of identification used and issued shall be kept on file.
- (11) Entering and leaving the working chamber. (a) Persons entering or leaving the working chamber are subject to the provisions of this code. When working chambers are at pressures greater than atmospheric, the air master shall train

competent individuals, hereinafter called "man lock attendants," to operate the air locks through which persons may pass. No persons shall be permitted to enter the working chamber except through a working man lock or combination lock.

- (b) Note: Every reasonable effort should be taken to insure the safety of workers in all situations whether or not covered by these rules.

Section Ind 12.10 is amended to read:

Ind 12.10 COMPRESSION RATE. During the compression of workers, the pressure shall not be increased to more than 5 psig within the first minute. The pressure shall be held at 5 psig and again at 8 psig sufficiently long to determine if any individuals are experiencing discomfort. After the first minute the pressure is to be raised uniformly and at a rate not to exceed 10 psi per minute. If any worker complains of discomfort, the pressure shall be held to determine if the symptoms are relieved. If after 5 minutes the discomfort does not disappear, the lock attendant shall gradually reduce the pressure until the worker signals that the discomfort has ceased. If the worker does not indicate that the discomfort has disappeared, the lock attendant shall reduce the pressure to atmospheric and the worker shall be released from the lock.

Subsection Ind 12.15 (1) is amended to read:

- (1) A normal condition is one during which exposure to compressed air is limited to a single continuous working period followed by a single decompression in any given 24-hour period; the total time of exposure to compressed air during the single continuous working period is not interrupted by exposure to normal atmospheric pressure, and a second exposure to compressed air does not occur until at least 12 consecutive hours of exposure to normal atmospheric pressure has elapsed since the worker has been under pressure.

Subsections Ind 12.20 (3), (10), (14) and (15) are amended to read:

- (3) Except where air pressure is below 12 psig and there is no danger of rapid flooding, all caissons having a working area greater than 150 square feet and each bulkhead in tunnels of 14 feet or more in diameter, or equivalent area, shall have at least 2 locks in perfect working condition, one of which shall be used exclusively as a man lock, the other as a materials lock. Where only a combination man and materials lock is required, this single lock shall be of sufficient capacity to hold the persons constituting 2 successive shifts.
- (10) When locks are not in use and persons are in the working chamber, lock doors shall be kept closed to the working chamber except where there are separate man and muck locks. In this case at least one door to the working chamber shall be closed.
- (14) Vertical man locks shall be at least 7 feet in height and shall provide at least 30 cubic feet of space per person unless decompression time exceeds 75 minutes in which case 50 cubic feet of space per occupant shall be provided.
- (15) Vertical man locks shall have sufficient space to contain an entire shift of workers.

Subsections Ind 12.21 (1) (intro. par.) and (1) (a) are amended to read:

- (1) When working chambers are at pressures greater than atmospheric, a man lock attendant shall be on duty at the man lock attendant's station at all times when workers are in the working chamber.
  - (a) When working chambers are at pressures greater than atmospheric, each working man lock or combination lock shall be operated by the man lock attendant. The man lock attendant shall control the entrance of persons into the working chamber, shall supervise compression and decompression of working man locks, and shall keep such records as are required by the department of industry, labor and human relations. The man lock attendants shall perform their duties at the man lock attendant stations, which shall be equipped as hereinafter provided.

Subsection Ind 12.23 (1) (b) is amended to read:

- (b) Exposure pressure: The exposure pressure for a single exposure shall ordinarily be the highest air pressure to which the workers have been subjected during the exposure time.

Subsections Ind 12.25 (1) (intro. par.) and (10) are amended to read:

- (1) When required. A special decompression chamber of sufficient size to accommodate the entire force of workers being decompressed at the end of a shift shall be provided whenever the regularly established working period requires a total time of decompression exceeding 75 minutes.
- (10) Location. Unless the special decompression chamber is serving as the man lock to atmospheric pressure that special decompression chamber shall be situated where practicable, adjacent to the man lock on the atmospheric pressure side of the bulkhead. A passageway shall be provided connecting the special chamber with the man lock to permit workers in the process of decompression to move from the man lock to the special chamber without a reduction in the ambient pressure from that designated for the next stage of decompression. The passageway shall be so arranged as to not interfere with the normal operation of the man lock nor with the release of the occupants of the special chamber to atmospheric pressure upon the decompression procedure.

Subsection Ind 12.30 (1) (h) is amended to read:

- (h) Properly heated, lighted, and ventilated dressing rooms and drying rooms shall be provided for all employes engaged in compressed air work. Such rooms shall contain suitable benches and lockers. Bathing accommodations (showers at the ratio of 1 to 8 employes per shift) equipped with running hot and cold water and suitable and adequate toilet accommodations shall be provided. Where practicable, the ratio of one toilet and one urinal for each 15 employes, or fractional part thereof, shall be provided.

Subsections Ind 12.40 (1), (6) and (13) are amended to read:

- (1) There shall at all times be a thoroughly experienced, competent and reliable person on duty at the air control valves as a compressor person who shall regulate the pressure in the working areas as directed by the air master.
  - (a) During tunneling operations, one compressor person may regulate the pressure in not more than 2 headings provided that the gauges and controls are all in one location. In caisson work there shall be a compressor person for each caisson.
- (6) In tunneling operations the low-pressure air supply lines shall extend to a point within 25 feet of the mining equipment at the tunnel face. Outlets shall be installed at intermediate points along the main low-pressure air supply line to the heading to eliminate pockets of dead air. All supply outlets shall be equipped with check valves. Ventilating air shall be not less than 30 cfm per person. A duplicate air supply line shall extend from the air source to a point beyond the locks.
- (13) Persons shall not be required to resume work after a blast from explosives until smoke and gases have been cleared. See Wis. Adm. Code chapter Ind 5, "Explosives."

Subsection Ind 12.50 (2) is amended to read:

- (2) Whenever compressed air is employed in caisson work, and the working chamber is less than 12 feet in length, and when such caissons are at any time suspended or hung while work is in progress so that the bottom of the excavation is more than 9 feet below the deck of the working chamber, a shield shall be erected therein for the protection of the worker.

Subsection Ind 12.80 (2) is amended to read:

- (2) Medical attendant. When air pressure greater than atmospheric are employed, the retained physician shall appoint medical attendants, 2 of whom shall be on immediate call at the chamber facility during the time workers are employed in compressed air. When required, the medical attendant shall operate the controls of the medical lock under the supervision and direction of a qualified physician. Each medical attendant shall be under the direct supervision and control of a physician, and shall serve in such capacity only at the pleasure of the retained physician.

Subsection Ind 12.81 (3) (c) is amended to read:

- (c) Each first aid station underground, at the working face and on the surface, shall be provided with a mine type stretcher, a woolen blanket or equally warm covering, a waterproof covering for injured employes, at least 20 feet of one-half inch rope, or equivalent, for securing the injured person in the stretcher, and such other first aid supplies and equipment as recommended by the department of industry, labor and human relations or the retained physician or both.

Subsections Ind 12.82 (1), (8) and (9) are amended to read:

- (1) No persons shall be permitted to enter the working chamber unless they have been examined by the physician. At the option of the air master this provision may be waived for casual visitors having previous knowledge and experience with compressed air work.
- (8) Periodic reexamination. All persons reported by the physician to be physically qualified for employment in compressed air shall be reexamined by the physician within one year of the date of the preceding physical examination, or sooner as the physician may deem necessary, to determine whether or not they continue to be physically qualified for such work. A new recommendation as to the employability shall be prepared as provided for in subsection Ind 12.82 (5). Forms SB-247 and SB-247-A shall be completed for this examination. Completed forms shall be submitted to the employer and the air master. Copies shall be kept in the retained physician's file.
- (9) Reexamination due to absence from work. All persons working in compressed air who have been absent from work for 10 or more consecutive working days shall be reexamined by the retained physician to determine whether or not they are yet physically qualified to resume work in compressed air. A new recommendation as to employability shall be prepared as provided for in section Ind 12.82 (5).

Subsection Ind 12.83 (2) is amended to read:

- (2) Each person employed in compressed air shall be instructed to report to the retained physician when suffering from a cold, sore throat, earache, or other ailment which may be aggravated or which may result in harm to the person when exposed to compressed air.

APPENDIX B, second paragraph preceding Table 3 is amended to read:

The Department of Industry, Labor and Human Relations may accept alternate methods of decompression for repetitive exposures provided the licensed physician submits ~~his~~ proposed procedures to the Department of Industry, Labor and Human Relations for its review and approval.

APPENDIX B, first and third paragraphs of INSTRUCTIONS FOR USE following Table 5, are amended to read:

The compressed air exposure times listed in this table are called "residual nitrogen times" and are the times a compressed air worker is to consider ~~he-has~~ already spent in compressed air when starting a repetitive exposure to a specific pressure. They are in minutes

For example: The final group designation from the Open Air Interval Credit Table (Table 4) on the basis of a previous exposure and open air interval is "H". It is planned to reenter compressed air at a pressure of 42 psig. What time must be added to the actual time spent in compressed air? Enter Table 5 on row H. Since 42 psig is greater than 40 psig but less than 45 psig, use the longer time of 33 minutes. This means that the compressed air worker enters the compressed air environment as though the worker had already been at 42 psig for 33 minutes.

APPENDIX C, 11. is amended to read:

11. Report at once to the physician in charge if you suspect you are suffering from air pains or decompression sickness. Do not give workers suffering from compressed air illness any intoxicating liquors.

CHAPTER IND 14--MOBILE HOMES

Subsections Ind 14.009 (1), (12) (intro. par.), (12) (b) and (12) (e) are amended to read:

- (1) General. For purposes of this code, certain abbreviations, terms, phrases, words and their derivatives shall be construed as specified in this section. Words used in singular include the plural, the plural the singular.
- (12) Mobile home dealer (dealer). A person who, for a commission or other thing of value, sells, exchanges, buys or rents, or offers or attempts to negotiate a sale or exchange of an interest in mobile homes or who is engaged wholly or in part in the business of selling mobile homes, whether or not the mobile homes are owned by that person, but does not include:
  - (b) Public officers while performing their official duties.
  - (e) Persons transferring a mobile home registered in their own name and used for their personal, family or household purposes, if the transfer is an occasional sale and is not part of the business of the transferor.

Subsection Ind 14.10 (2) is amended to read:

- (2) All manufacturers applying for a license shall certify that they will comply with this code and the Wisconsin Statutes.

Section Ind 14.42 is amended to read:

Ind 14.42 INSPECTION REQUESTS. All persons holding title to a mobile home affected by this code may request an inspection of their home by the department. If the inspection request is related to obtaining a label, the owner shall submit a written request for a label.

CHAPTER IND 16--ELECTRIC FENCES

Subsection Ind 16.05 (7) is created to read:

- (7) The "department" means the department of industry, labor and human relations.

Subsection Ind 16.10 (1) is amended to read:

- (1) All controllers and converters which are sold or installed in Wisconsin after October 6, 1938 shall comply with the requirements in these orders and be approved by the department.

Subsections Ind 16.20 (1) and (3) are amended to read:

- (1) To obtain an approval of a controller, or part of a controller, a stock sample of each type it is desired to distribute in Wisconsin shall be submitted to the department together with an application for approval and with a certified report of a test of the model made by a laboratory acceptable to this department.
- (3) No device will be approved which is of poor construction or which fails to comply with other requirements of the department.

Subsection Ind 16.30 (3) (intro. par.) is amended to read:

- (3) An electric fence controller or converter shall be clearly and permanently marked, where it will be readily visible after it has been installed as intended, with the manufacturer's or distributor's name and address, the catalogue or model number, the voltage and type of electrical supply circuit with which it is to be used, the department's approval, date of such approval, and whether it is designed for inside or outdoor use.

Subsection Ind 16.82 (1) is amended to read:

- (1) Controllers designed and approved for battery operation shall not be connected to any other type of power supply or connected to a supply voltage higher than the design voltage except through a device approved for this type of controller by this department.

CHAPTER IND 19--ILLUMINATION CODE

Section Ind 19.01 is amended to read:

Ind 19.01 APPLICATION AND SCOPE. This code sets forth the minimum lighting requirements for factories, offices, mercantile buildings and all outdoor work areas, theaters and assembly halls, schools and other places of instruction, apartment buildings, hotels and places of detention, and swimming pools. It applies to new construction, reconstruction of, and additions to, existing construction, and to changes in lighting. Existing lighting shall be made to comply with this code as may be directed by the department and within the time determined by the department for each project.

Section Ind 19.01 Note is created to read:

Note: The term "department" means the department of industry, labor and human relations.

CHAPTER IND 35--SAFETY IN CONSTRUCTION

Subsection Ind 35.001 (2) Note is amended to read:

Note: The installation or changing of machinery (and all accessories) used in manufacturing processes comes within the scope of the general orders on safety issued by the department.

Section Ind 35.01 is amended to read:

Ind 35.01 RESPONSIBILITY FOR PROVISION AND MAINTENANCE OF SAFEGUARDS. The responsibility for the provision and maintenance of the protection for workers required under this code rests with the immediate employer, unless this responsibility is otherwise definitely assigned in the specifications or contract, and properly executed by the assignee.

Subsection Ind 35.02 (4a) is created to read:

(4a) The term "department" means the department of industry, labor and human relations.

Subsections Ind 35.02 (18) and (19) are amended to read:

(18) The term "runway" shall mean any aisle, walk or drive constructed or maintained as a passageway for workers or rolling equipment.

(19) The term "scaffold" shall mean a temporarily located elevated platform used for supporting workers and materials in the course of constructing, wrecking, altering, repairing, cleaning, or pointing and to all operations incident to the equipping and maintenance of buildings or other structures.

Subsection Ind 35.06 (4) is amended to read:

(4) Where workers or frequenters may be exposed to material or objects which may accidentally fall from upper working levels, the exposed area shall be shut off from access by means of standard guard railings, or better. If the structure to be demolished is more than 2 stories or 25 feet high above the sidewalk and the horizontal distance from the inside of the sidewalk to the structure is 15 feet or less, a substantial sidewalk shed shall be constructed over the entire width of the sidewalk adjacent to the structure. The sidewalk shed shall be capable of sustaining a live load of 150 pounds per square foot, or more, and shall be lighted by natural or artificial means to produce an intensity of illumination of not less than 2 footcandles.

Subsection Ind 35.07 (4) Note is amended to read:

Note: The protection of workers in excavation less than 8 feet in minimum horizontal dimension shall be as required under the general orders on tunnel, caisson and trench construction issued by the department. Where explosives are used, the requirements of the general orders on explosives, issued by the department shall be complied with.

Section Ind 35.10 is amended to read:

Ind 35.10 SCAFFOLDS REQUIRED. Scaffolds which comply with the requirements of this code shall be provided to furnish reasonably safe working places for workers in exposed or elevated places except that ladders may be used where work can be safely done for short periods.

Subsection Ind 35.13 (1) is amended to read:

- (1) All scaffolds shall be so designed and built that the unit stresses in the material of any member when under maximum loading will not exceed those specified for that material in chapter Ind 53 of the Wisconsin state building code.

Subsections Ind 35.14 (5), (6) (b) and (11) are amended to read:

- (5) Light duty scaffolds. Light duty scaffolds may be used for the accommodation of carpenters, painters, and other similar trades where the scaffold supports no load other than the workers, tools, and a minimum amount of light weight material.
- (6) (b) Heavy duty scaffolds shall be used for the accommodation of masons and similar trades where the scaffolds support building material in addition to workers, tools, or vehicles.
- (11) Approval. Complete plans and specifications, together with structural calculations to prove compliance with this section for each type and design of metal scaffolds, shall be submitted to the department for approval before the equipment is used. The department will ordinarily accept a certified test report made by a recognized testing laboratory in lieu of plans and design data.

Subsection Ind 35.16 (1) is amended to read:

- (1) Wood horses used for the support of working platforms shall be made of material not less than nominal 2 inches in thickness. The beam and legs shall conform to the requirements which apply to crossbeams and posts, sections Ind 35.12 and Ind 35.13. The legs shall be braced to the beam. Factory made horses shall be the equivalent of the above in strength, stability and rigidity and shall be of a type approved by the department.

Subsections Ind 35.18 (1), (8), (11) and (13) are amended to read:

- (1) All mechanism and parts of the suspension system of any suspended scaffold shall be of a type and design approved by the department.

Note: To secure such approval, plans and specifications for the complete suspension system, including details of operating mechanism, shall be submitted to the department.

- (8) A life line, with fixed end fastened independent of the scaffold and with free end extending to the ground, shall be provided for each worker on a swinging scaffold. Each worker on a swinging scaffold shall be secured with a life line, such as by passing the life line through a loop or ring in a safety belt worn by the worker. It is also recommended that life lines be provided in connection with suspended scaffolds wherever possible.
- (11) Every worker using a swinging chair scaffold shall be provided with a safety belt secured to an independent life line.
- (13) Every worker using a boatswain chair shall be provided with a safety belt secured to an independent life line.

Subsection Ind 35.19 (1) is amended to read:

- (1) All ladder jacks shall be of a type approved by the department and shall be so designed that they will bear on the side rails when used on wood ladders and shall be clamped or otherwise securely fastened to the ladder. Ladder jacks not bearing on the side rails may be used on the rungs of metal ladders or on the rungs of wood ladders which are reinforced with a metal bar or rod extending through the side rails.

Subsections Ind 35.20 (7) (b), (7) (c), (7) (d) and (7) (e) are amended to read:

- (b) Where used for persons and tools only, and where the platform is not more than 6 feet above the ground or floor, inside or outside of buildings or structures- - - - - 19 inches
- (c) Where used for persons and tools only, where the platform is more than 6 feet above the ground or floor, inside or outside of buildings or structures- - - - - 23 inches
- (d) Where used for persons, materials and tools only- - - - - 46 inches
- (e) Where used for persons, materials, tools and vehicles - - - - - 57 inches

Subsection Ind 35.22 (1) is amended to read:

- (1) Appropriate support shall be provided for all workers who are required to work on inclined surfaces having a slope of more than 4 inches rise in 12 inches of horizontal run.

Subsection Ind 35.24 (2) is amended to read:

- (2) The floor of every elevated runway shall be constructed of not less than nominal 2 x 10 planks, laid tightly together and secured to the supports by nailing or other means approved by the department.

Subsections Ind 35.28 (1) and (6) are amended to read:

- (1) When a permanent or temporary elevator car is put in use for carrying workers, the hoistway shall be completely enclosed for its entire height. If such an enclosure is permanent, it shall comply with the requirements of the elevator code issued by the department. All openings into the hoistway shall be enclosed with self-latching doors locked on the hatchway side, and only opened on the outside by a key kept in the possession of an authorized person, and control shall be so arranged that the car cannot travel while a landing or car door is open.
- (6) The machinery and equipment of such elevators, as well as any other part of the installation which is permanent, shall comply with the requirements of the elevator code issued by the department.

Subsection Ind 35.29 (3) (e) is amended to read:

- (e) Workers shall not be permitted to ride on material hoists and a sign prohibiting this practice shall be posted on the shaftway enclosure at each floor opening. This requirement does not apply to mechanics when making repairs or servicing the hoist.

Subsection Ind 35.30 (1) is amended to read:

- (1) Derricks shall be constructed of sound, seasoned lumber, with proper iron or steel braces and fittings, or entirely of steel. They shall be designed and constructed in a manner such that the unit stresses in the material of any part of the derrick, when under maximum loading, will not exceed those specified for that material under chapter Ind 53 of the state building code issued by the department.

Subsections Ind 35.32 (1) (c) Note and (3) (d) are amended to read:

Note: If for any reason Manila fibre rope is not available, ropes of other fibres may be used upon submission of data from the U.S. Bureau of Standards covering the breaking strength thereof to the department for approval.

- (3) (d) Wire rope fastenings, except for elevators for workers, shall be secured by clips, using not less than 3 clips to fasten the free end to the standing portion of the rope, or shall be fastened as required by the elevator code. Where clips are used, the U shall be placed on the dead end of the rope.

Subsection Ind 35.33 (1) (b) is amended to read:

- (b) When persons are working in an elevator shaftway, hatchway or stairwell during the construction, demolition or alteration to any structure, a protection shall be provided not more than 2 stories above nor more than one story below the level at which the persons are working. Such protection shall be solid and shall be of not less than nominal 2 inch plank.

Subsection Ind 35.35 (4) Cross reference is amended to read:

Cross reference. See general orders on explosives and the flammable liquids code, both issued by the department, for requirements applying to the storage of explosives and flammable liquids.

Subsection Ind 35.36 (1) is amended to read:

- (1) All boards, planks, blocks and other material and debris containing projecting nails, waste clippings or cuttings of lumber, metal (including pieces of sheet metal, pipe, metal lath, rolled shapes, wire), masonry materials and similar objects, shall be removed from the working area or shall be placed in orderly piles where workers will not be likely to step on, stumble over or fall on them.

Subsection Ind 35.38 (2) is amended to read:

- (2) The requirements of the industrial lighting code issued by the department shall apply under this code so far as possible and practical.

Following section Ind 35.42, GENERAL NOTE to be repealed.

CHAPTER IND 43--ANHYDROUS AMMONIA

Subsection Ind 43.01 (4) is amended to read:

- (4) CODE refers to the boiler and ~~unfired~~ pressure vessel code issued by the department.

Subsection Ind 43.01 (4a) is created to read:

- (4a) DEPARTMENT means the department of industry, labor and human relations.

Subsection Ind 43.01 (9) is amended to read:

- (9) APPROVED means: (a) Listed by a recognized testing laboratory which has been approved by the department, or  
(b) Accepted by the department.

Following subsection Ind 43.02 (5) Note is amended to read:

Note: Penalty For Violation of Rules

Section 101.02 (12), Wis. Stats., provides that "every day during which any person, persons, corporation or any officer, agent or employe thereof, shall fail to observe and comply with any order of the department or to perform any duty enjoined by sections 101.01 to 101.25 shall constitute a separate and distinct violation of such order, or of said sections as the case may be."

Section 101.02 (13) (a), Wis. Stats., provides that any employer or other person who violates an order, or fails or refuses to comply with the requirements of a legal order of the department shall forfeit and pay into the state treasury a sum of not less than \$10, nor more than \$100, for such violation.

Subsection Ind 43.03 (2) (intro. par.) is amended to read:

- (2) The inspector before making an inspection shall contact a representative of the employer and a representative authorized by the employees who shall be given an opportunity to accompany the inspector during the physical inspection of any workplace under subsection (1) for the purpose of aiding such inspection.

Subsections Ind 43.10 (1) (a) and (b) are amended to read:

- (a) Listed by a nationally recognized testing laboratory, which has been approved by the department, or  
(b) Accepted by the department.

Subsections Ind 43.10 (2) (a) and (b) are amended to read:

- (a) Listing by a nationally recognized testing laboratory which has been approved by the department, or  
(b) The department.

Subsection Ind 43.10 (3) (a) is amended to read:

- (a) Before construction or installation of new or additional facilities for the bulk storage or handling of anhydrous ammonia is undertaken, approval of the department shall be obtained,

Subsection Ind 43.11 (4) is amended to read:

- (4) The provisions of section Ind 43.11 (1) and (2) shall not be construed as prohibiting the continued use or reinstallation of containers constructed and maintained in accordance with the standards of the department in effect at the time of fabrication.

Subsection Ind 43.13 (1) is amended to read:

- (1) Tanks shall be located outside of buildings other than those especially constructed for that purpose. Permanent storage shall be located outside of densely populated areas and subject to the approval of the department. However, this distance shall not be less than 50 feet from the line of property which may be built on, or from a source of drinking water; or not less than 400 feet from any school, hospital, or other place of public assembly.

Subsection Ind 43.17 (2) (c) is amended to read:

- (c) ICC As approved by the department.

Subsection Ind 43.18 (3) is amended to read:

- (3) ICC stamped containers shall be filled in accordance with the department requirements which are identical to the ICC regulations.

Subsection Ind 43.32 (5) is amended to read:

- (5) Underground containers shall be set on firm foundations (firm earth may be used) and surrounded with soft earth or sand well tamped in place. As a further means of resisting corrosion, the container, prior to being placed underground, shall be given a protective coating satisfactory to the department. Such protective coating shall be equivalent to hot-dip galvanizing, or to two preliminary coatings of red lead followed by a heavy coating of coal tar or asphalt. The container thus coated shall be lowered into place in such a manner as to prevent abrasion or other damage to the coating.

CHAPTER IND 45--MECHANICAL REFRIGERATION

Subsection Ind 45.001 (3) is amended to read:

- (3) The provisions of this code shall apply to refrigerating systems installed subsequent to its adoption and to parts replaced or added to systems installed prior or subsequent to its adoption. In cases of practical difficulty or unnecessary hardship, the department may grant exceptions from the literal requirements of this code or permit the use of other devices or methods, but only when it is clearly evident that equivalent protection is thereby secured.

Subsection Ind 45.01 (2) (intro. par.) is amended to read:

- (2) The inspector before making an inspection shall contact a representative of the employer and a representative authorized by the employees who shall be given an opportunity to accompany the inspector during the physical inspection of any workplace under subsection (1) for the purpose of aiding such inspection.

Subsections Ind 45.02 (3) and (4) are amended to read:

- (3) APPROVED means acceptable to the department.
- (4) An APPROVED NATIONALLY RECOGNIZED TESTING LABORATORY is one acceptable to the department that provides uniform testing and examination procedures under established standards, is properly organized, equipped, and qualified for testing, and has a follow-up inspection service of the current production of the listed products.

Subsection Ind 45.02 (13a) is created to read:

- (13a) DEPARTMENT means the department of industry, labor and human relations.

Subsection Ind 45.05 (2) is amended to read:

- (2) OTHER REFRIGERANTS. Refrigerants, other than water and air, not listed in Wis. Adm. Code section Ind 45.05 shall not be used until approved by the department and assigned a group classification.

Subsection Ind 45.08 (10) is amended to read:

- (10) Flammable refrigerants as listed in table 4 shall not be used in a refrigerating system in excess of 1000 pounds unless approved by the department.

Subsection Ind 45.09 (1) is amended to read:

- (1) STANDARDS. Refrigerating piping, valves, fittings, and related parts used in the construction and installation of refrigerating systems shall conform to standards accepted by the department.

Note: The department will recognize the provisions of American Standard Code for Pressure Piping (B 31.5-1962) and American Standard Wrought-Steel Wrought-Iron Pipe (B 36.10-1959), Specifications for Seamless Copper Pipe, Standard Sizes (ASTM B 42-62), American Standard Specifications for Seamless Copper Water Tube (ASTM B 88-62) (ASA H 23.1-63), Standard Specifications for Seamless Copper Tubing, Bright Annealed (ASTM B 20-62), Specifications for Seamless Red Brass Pipe, Standard Sizes (ASTM B 43-62).

Subsections Ind 45.09 (3) (b) and (c) are amended to read:

- (b) Standard iron pipe size copper and red brass (not less than 80% copper) pipe and tubing may be used and shall conform to standards accepted by the department.
- (c) Water tube size hard copper tubing used for refrigerant piping erected on the premises shall conform to standards accepted by the department for dimensions and specifications, except that copper tubing with outside diameters of 1/4" and 3/8" shall have a minimum nominal wall thickness of not less than 0.030" and 0.032", respectively.

Subsection Ind 45.159 (2) is amended to read:

- (2) Masks or helmets shall be a type acceptable to the department for the refrigerant employed. They shall be kept in a suitable cabinet immediately outside the machinery room or other approved accessible location. They shall be maintained in a usable condition.

Subsection Ind 45.20 (1) (intro. par.) is amended to read:

- (1) Mechanical refrigeration systems of the following classifications shall be registered with the department within a 60-day period following completion:

Subsection Ind 45.20 (2) is amended to read:

- (2) Registration information shall be submitted on form SB-34 obtainable from the department, or on an 8-1/2 x 11 facsimile of that form reproduced below.

SB-34

MECHANICAL REFRIGERATION  
INSTALLATION REGISTRATION  
Prepare in triplicate.

State of Wisconsin  
Department of Industry, Labor and Human Relations  
Safety and Buildings Division

Send original to Department of Industry, Labor and Human Relations, Safety and Buildings Division, P. O. Box 7946, Madison 53707. Send copy to owner. Keep one copy. POST it conspicuously.

User or Owner	Location of Installation
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Address of User or Owner

Type of System

Remote       Indirect       Self-Contained       Other (Specify)       Direct Expansion

Use

Air Conditioning       Manufacturing or Storage       Recreational

Description

Capacity      Refrigerant

Tons      KVA      HP

Installing Contractor

Date Installation Completed

By (Signature)	Title
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Wis. Adm. Code, section Ind 45.20 (Mechanical Refrigeration) provides that:

1. Mechanical refrigeration systems of the following classification shall be registered with the department within a 60-day period following completion:
  - (a) Any system using a group 1 refrigerant and having an aggregate capacity rated at, or greater than 25 tons, 25 KVA, or 25 HP.
  - (b) Any system using group 2 or group 3 refrigerants and having an aggregate capacity rated at or greater than 10 HP, 10 tons, or 10 KVA.

CHAPTER IND 46--TOWING AND LIFTING DEVICES FOR SKI AREAS

Subsection Ind 46.02 (2) is amended to read:

- (2) APPROVED means approved by the department.

Subsection Ind 46.02 (3a) is created to read:

- (3a) DEPARTMENT means the department of industry, labor and human relations.

Subsection Ind 46.02 (6) is amended to read:

- (6) FULL LOAD OR FULLY LOADED. The maximum load approved by the department.

Subsections Ind 46.03 (1) and (4) are amended to read:

- (1) Plans and specifications of each new tramway installation as described in Wis. Adm. Code section Ind 46.01 shall be submitted to the department for review and approval.
- (4) No work shall be commenced until approval has been obtained from the department.

Subsections Ind 46.04 (1) (a) and (b) are amended to read:

- (a) The party erecting such an installation shall give notice to the department not less than 10 days prior to the time the installation is ready for inspection.
- (b) The department shall complete its inspection within 10 days after the installation is ready for inspection or shall issue a temporary permit to operate until such inspection is completed and installation is approved or disapproved.

Subsection Ind 46.81 (3) (a) is amended to read:

- (a) Accidents resulting in personal injury on a tramway shall be reported to the department within 10 days from date of accident.

Subsection Ind 46.82 (1) (a) is amended to read:

- (a) Permanent records must be kept of all inspections and major repairs made. These records shall be made available to the department upon request.

CHAPTER IND 65--FIRE PREVENTION

Subsection Ind 65.01 (10) is amended to read:

- (10) Rubbish may be burned, not nearer than 15 feet to buildings, in a substantial burner built of boiler iron or of brick, well covered or screened to prevent the escape of sparks and burning embers. Such burner must be approved by the chief of the fire department where there is one, otherwise by the department.

Note: The term "department" means the department of industry, labor and human relations.