

CR 85-30

RULES CERTIFICATE

STATE OF WISCONSIN)
) SS
DEPT. OF INDUSTRY,)
LABOR & HUMAN RELATIONS)

TO ALL TO WHOM THESE PRESENTS SHALL COME, GREETINGS:

I, Howard S. Bellman, Secretary of the Department of Industry, Labor and Human Relations, and custodian of the official records of said department, do hereby certify that the annexed rule(s) relating to ch. ILHR 64 - Heating, Ventilating and Air Conditioning were duly approved and adopted by this department on _____.

(Subject)

(Date)

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 set my hand and affixed the official seal of the department at 3:30 in the city of Madison, this 22nd day of July A.D. 1985.

Howard S. Bellman
Secretary

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JUL 24 1985
11:05 am
Revisor of Statutes
Bureau

ORDER OF ADOPTION

Pursuant to authority vested in the Department of Industry, Labor and Human Relations by section(s) 101.02 (1), 101.02 (15)(h) to (j), Stats., the Department of Industry, Labor and Human Relations hereby creates; amends; repeals and recreates; and repeals and adopts rules of Wisconsin Administrative Code chapter(s):

Ind: ILHR 64 Heating, Ventilating and Air Conditioning
(Number) (Title)

The attached rules shall take effect on _____
January 1, 1986, pursuant to section
227.026 (1) (b), Stats.

Adopted at Madison, Wisconsin, this 22nd
day of July, A.D., 1985.

DEPARTMENT OF INDUSTRY, LABOR AND HUMAN RELATIONS

Howard S. Bellman
Secretary

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RULES in FINAL DRAFT FORM

Rule: Chapter ILHR 64

Relating to: Heating, Ventilating & Air Conditioning

Clearinghouse Rule No.: 85-30

AN ORDER to repeal ss. ILHR 51.27 (13), 64.34 (3) (e), Tables 64.51 A to D, 64.57 (3), A64.57; to renumber s. ILHR 64.57 (4); to amend ss. ILHR 51.27 (12), 54.14 (1), 55.29 (1), 56.15 (1) (intro.), 59.21 (intro.), 60.25 (intro.), 60.32 (1), Table 64.05, 64.21, 64.22 (1), (4) (b), (6) (intro.), 64.34 (1), 64.41 (4) (b), 64.50 (1) (c), 64.50 (1) (g) 2., Table 64.50, 64.51 (4); to repeal and recreate ss. ILHR 62.78, Table 64.21, 64.57 (2), 64.62, 64.65 (2); to create ss. ILHR 51.01 (29a), 57.14 (1) (c) 5., 64.65 (1) Note #5, relating to Building and Heating, Ventilating and Air Conditioning.

* * * * *

ANALYSIS OF RULES

The Wisconsin Administrative Building and Heating, Ventilating and Air Conditioning Code is updated on a two year cycle. The proposed changes involve requirements pertaining to HVAC systems and are based upon suggestions submitted by users of the code, state enforcement and inspection staff and local building and fire inspectors. The following is a summary of the major changes included in the proposal:

- 1) Direct vent sealed combustion equipment is permitted to be installed in all occupancies, except ch. ILHR 58 health care facilities and places of detention, without fire resistive rated furnace room enclosures.
- 2) Requirements for health care facility HVAC design are updated and based upon a newly adopted and accepted federal standard.
- 3) Ventilation/temperature requirements for laundries and toilet facilities in conjunction with outdoor stadium are added.
- 4) Vented infrared equipment is now classified by 2 types - closed combustion with temperatures less than 1500°F and open flame with temperatures exceeding 1500°F. Expanded permitted uses of closed combustion vented infrared, suspended furnaces and suspended unit heaters are included.
- 5) Requirements for duct and duct lining materials are now based upon national standards.
- 6) Equipment installation and clearance to combustible rules are now based upon NFPA Standard No. 211-1984.
- 7) Terminology for repair garages and vehicle service buildings is clarified.
- 8) Various referencing, grammatical, format and similar changes.

The proposed changes were developed in conjunction with the Project Committee for Heating, Ventilating and Air Conditioning and the Building Code Advisory Review Board. The following is a listing of the Project Committee and Review Board members:

PROJECT COMMITTEE FOR HEATING, VENTILATING AND AIR CONDITIONING

Louis Albrecht	Sheet Metal and Air Conditioning Contractors' National Association - Madison Chapter
Kenneth Beining	Mechanical Contractors Association of Wisconsin
Bert Fredericksen	Public
Keith Goodwin	Department of Health and Social Services
Jay F. Jorgensen	Wisconsin Chapter, ASHRAE
Gene Miller (Chairman)	Wisconsin Society of Professional Engineers
Harold L. Olsen	Consulting Engineers Institute of Wisconsin
John Paulson	Wisconsin Society of Architects/AIA
Roger Kunkel	Wisconsin Utilities Association
Joseph Turner (Vice-Chairman)	City of Madison

BUILDING CODE ADVISORY REVIEW BOARD

Owen Ayres	Wisconsin Society of Professional Engineers
Shary Bisgard	Public (League of Women Voters)
Ronald Chiapete	Wisconsin State Fire Chiefs Association
Victor Halloran	Wisconsin Society of Architects/AIA
Pharis Horton	State Bar of Wisconsin
Lee C. Jensen	City of Milwaukee Building Inspection
Marshall Kuhnly	Wisconsin State AFL-CIO
Thomas Lorenz	Master Builders Association of Wisconsin, Inc.
George Mark	Wisconsin Realtors Association/Wisconsin Builders Association
Donald Roth	League of Wisconsin Municipalities
David J. Schield	Wisconsin Association of Manufacturers and Commerce
Stephen D. Schlough	Wisconsin Department of Health & Social Services
Richard C. Schumacher	Wisconsin Chapter of the Associated General Contractors of America, Inc.
Helmut Seaman	Division of State Facilities Management Department of Administration
William Shea	Building Owners & Managers Assoc. of Milwaukee, Inc. (BOMA)/Income Property Owner's Association, Inc.
Jahn Tinglum (Chairman)	Department of Public Instruction
Larry J. Wills	Wisconsin Chapter - Society of Fire Protection Engineers

Pursuant to the authority vested in the State of Wisconsin Department of Industry, Labor and and Human Relations by ss. 101.02 (1) and 101.02 (15) (h) to (j), Stats., the department hereby repeals, rennumbers, amends, repeals and recreates and creates rules interpreting ss. 101.02 (15) (h) to (j) Stats., as follows:

SECTION 1. ILHR 51.01 (29a) is created to read:

ILHR 51.01 (29a) "Direct vent sealed combustion chamber appliance" means a gas-fired heating appliance which is constructed and installed so that all air for combustion is brought directly from the outside atmosphere to inside the combustion chamber and all flue gases are discharged directly to the outside atmosphere and that is capable of operating only when the integrity of the sealed combustion chamber is maintained.

SECTION 2. ILHR 51.27 (12) is amended to read:

ILHR 51.27 (12) Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402, ~~MINIMUM REQUIREMENTS OF GUIDELINES FOR CONSTRUCTION AND EQUIPMENT FOR HOSPITALS AND MEDICAL FACILITIES, DHEW DHHS PUBLICATION No. (HRA) 79-14500, Revised, August 1979.~~ (HRS-M-HF) 84-1.

SECTION 3. ILHR 51.27 (13) is repealed.

SECTION 4. ILHR 54.14 (1) is amended to read:

ILHR 54.14 (1) GENERAL. ~~All~~ (a) Except as provided in par. (b), all fuel-fired heating boilers and furnaces, power boilers, fuel rooms and breeching, storage vaults for paints, oils, and similar combustibles and other similar hazards in a building shall be isolated from the rest of the building by at least a 2-hour fire-resistive enclosure as specified in ss. ILHR 51.04 to 51.049; except that in buildings not more than 2 stories in height and having a floor area of not more than 3,000 square feet per floor, a 1-hour fire-resistive enclosure as specified in ss. ILHR 51.04 to 51.049, or better, shall be provided.

Note: See ch. Ind 8, for isolation of flammable and combustible liquids.

(b) Direct vent sealed combustion chamber appliances need not be enclosed with fire-resistive rated construction as specified in par. (a).

SECTION 5. ILHR 55.29 (1) is amended to read:

ILHR 55.29 (1) GENERAL. ~~All~~ (a) Except as provided in par. (b), all fuel-fired heating boilers and furnaces, fuel rooms and breeching, storage vaults for paints, oils and similar combustibles, and other similar hazards in a building shall be enclosed with 3-hour fire-resistive construction as specified in s. ILHR 51.04, except that in case of an assembly hall accommodating not more than 300 persons, an enclosure of 2-hour fire-resistive construction, as specified in s. ILHR 51.04, may be used.

(b) Direct vent sealed combustion chamber appliances and suspended heating equipment as specified in Table 64.21 need not be enclosed with fire-resistive rated construction as specified in par. (a).

SECTION 6. ILHR 56.15 (1) (intro.) is amended to read:

ILHR 56.15 (1) GENERAL. ~~All~~ Except for direct vent sealed combustion chamber appliances and suspended heating equipment as specified in Table 64.21, all fuel-fired heating boilers and furnaces, power boilers, fuel rooms, and breeching, storage vaults for paints, oils and similar combustibles, fuel-fired kilns and dryers, and other similar hazards, shall be enclosed as follows:

SECTION 7. ILHR 57.14 (1) (c) 5. is created to read:

ILHR 57.14 (1) (c) 5. Direct vent sealed combustion chamber appliances may be used without a fire-resistive rated enclosure.

SECTION 8. ILHR 59.21 (intro.) is amended to read:

ILHR 59.21 ISOLATION OF HAZARDS AND SEPARATIONS. All fuel-fired heating equipment, except direct vent sealed combustion chamber appliances, within a storage garage and a repair garage, including, but not limited to boilers, furnaces and water heaters, shall be isolated from the remainder of the storage garage or repair garage by at least 2-hour fire-resistive construction as specified in s. ILHR 51.04 or shall be installed in accordance with s. ILHR 64.21.

SECTION 9. ILHR 60.25 (1) (intro.) is amended to read:

ILHR 60.25 (1) A boiler, furnace, or any area containing gas- or oil-fired units other than direct vent sealed combustion chamber appliances, suspended heating equipment as specified in Table 64.21 and laundry or kitchen equipment shall be protected by one of the following methods:

SECTION 10. ILHR 62.32 (1) is amended to read:

ILHR 62.32 (1) FIRE PROTECTION. ~~Boilers~~ (a) Except as provided in par. (b), boilers, furnaces, including fuel rooms and breeching, and all open-flame equipment within open parking structures shall be isolated from the rest of the open parking structure by at least a 2-hour fire-resistive construction as specified in ss. ILHR 51.04 to 51.049.

(b) Direct vent sealed combustion chamber appliances and suspended heating equipment as specified in Table 64.21 need not be enclosed with fire-resistive construction as specified in par. (a).

SECTION 11. ILHR 62.78 is repealed and recreated to read:

ILHR 62.78 ISOLATION OF HAZARDS. (1) GENERAL. (a) Except as provided in par. (b), all fuel-fired heating boilers and furnaces, power boilers, fuel rooms and breeching, storage vaults for paints, oils, and similar combustibles and other similar hazards in a seating facility shall be isolated from the rest of the seating facility by at least 2-hour fire-resistive construction as specified in ss. ILHR 51.04 to 51.049.

(b) Direct vent sealed combustion chamber appliances and suspended heating equipment as specified in Table 64.21 need not be enclosed with fire-resistive rated construction as specified in par. (a).

Note: See ch. Ind 8, for isolation of flammable and combustible liquids.

(2) PROTECTION OF OPENINGS. All openings shall be protected with self-closing fire-resistive doors as specified in s. ILHR 51.047.

SECTION 12. ILHR 64.05 Table 1 is amended to read:

END ILHR 64.05 - TABLE 1
(Partial)

Use or Occupancy	Minimum Inside Temp. (Deg. F)	Ventilation Requirements ¹				Applicable Occupancy Code Section (ILHR No.)
		Ventilation Classification ²	Basis of Capacity			
			Determination of No. of Persons ³ Net sq. ft. per person	Percent of Openings ⁴	CFM/net sq. ft. Floor Area	
<u>Garages and service stations</u>						
Garages: Less than 6 vehicles	NMR	(b)	—	3	3 —	64.62, 64.63
<u>General sanitation and service areas</u>						
Toilet rooms (w/outdoor stadium)	50	(d)	—	—	2 or 60/TF	64.65
<u>Laundries</u>	60	(c)	—	—	2	64.65

SECTION 13. ILHR 64.21 is amended to read:

ILHR 64.21 LOCATION OF EQUIPMENT. The various types of heating equipment ~~and for~~ the corresponding types of occupancies in which the equipment may be located ~~are shown~~ shall be installed as specified in Table 64.21. ~~The footnotes below the table designate special requirements for the listed equipment.~~

Note #1: The footnotes below the table designate special requirements for the listed equipment.

Note #2: The department will accept net ratings as listed by Mechanical Contractors Association of America, Inc., Institute of Boiler and Radiator Manufacturers, and equipment tested according to commercial standard 140-47.

SECTION 14. Table 64.21 is repealed and recreated to read:

Location and Type of Occupancy	VENTED UNITS								UNVENTED UNITS			ELECTRIC	WATER OR STEAM	
	Gas or Oil or Solid Fuel Boilers	Gas or Oil or Solid Fuel Furnaces	Gas or Oil Unit Heater	Gas or Oil Infrared		Gas or Oil Space Heater	Solid Fuel Space Heater ^{1,2}	Gas Direct Vent Sealed Combustion Appliance ¹⁸	Gas Direct Fired Makeup Air ^{3,4}	Gas Infrared	Furnaces, Unit Heaters, Heat Pumps, Baseboard Heaters, etc.	Unit Ventilators, Heaters, Makeup Air Units, Baseboard Heaters, etc.		
				Closed Combustion Infrared Equipment with Surface Temperatures not Exceeding 1500°F	Open Flame Infrared Equipment with Surface Temperatures Exceeding 1500°F									
Type of Occupancy	Rated Enclosure	Rated Enclosure	Suspended ⁵	Suspended ⁵	Suspended ⁵			Rated Enclosure Not Required	Suspended ⁵	Suspended ⁵				
Factories	Yes ⁵	Yes ⁵	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	PERMITTED IN ALL OCCUPANCIES	PERMITTED IN ALL OCCUPANCIES
Mercantile Buildings	Yes ⁵	Yes	Yes	Yes	Yes	Yes	Yes	N.P. 5,6	N.P. 6	Yes	N.P.	N.P.		
Office Buildings	Yes ⁵	Yes	Yes	Yes	Yes	N.P.	N.P. 5,6	N.P. 6	Yes	N.P.	N.P.			
Places of assembly, entertainment, recreation, worship or dining (100 persons or less)	Yes ⁵	Yes	Yes	Yes	Yes	Yes	N.P. 5,6	N.P. 6	Yes	N.P. 7	N.P.			
Tennis Facilities (court areas only)	Yes ⁵	Yes	Yes	Yes	Yes	Yes	N.P. 5,6	N.P. 6	Yes	N.P.	N.P.			
Tennis Facilities (all other areas)	Yes ⁵	Yes	Yes	Yes	Yes	N.P.	N.P. 5,6	N.P. 6	Yes	N.P.	N.P.			
Theaters & places of assembly, entertainment, recreation, worship or dining (more than 100 persons)	Yes	Yes	Yes	Yes	Yes	N.P.	N.P.	N.P.	Yes	N.P.	N.P.			
Restaurants	Yes	Yes	Yes	Yes	Yes	N.P.	N.P.	N.P.	Yes	N.P. 7	N.P.			
Tennis Facilities (court areas only)	Yes	Yes	Yes	Yes	Yes	Yes	N.P.	N.P.	Yes	N.P.	N.P.			
Tennis Facilities (all other areas)	Yes	Yes	Yes	Yes	Yes	N.P.	N.P.	N.P.	Yes	N.P.	N.P.			
Schools & Other Places of Instruction	Yes	Yes	Yes	Yes	Yes	N.P. 10	N.P.	N.P.	Yes	N.P. 9	N.P.			
Hospitals, Nursing Homes & Penal Institutions	Yes	Yes	N.P.	N.P.	N.P.	N.P.	N.P.	N.P.	N.P.	N.P.	N.P.			
Residential Occupancies	Yes	Yes	N.P.	N.P.	N.P.	N.P.	N.P. 11	N.P. 14	Yes	N.P.	N.P.			
Hazardous Occupancies	Yes	Yes	Yes ¹²	Yes ¹²	Yes	Yes	N.P. 15	N.P.	Yes	Yes ¹²	Yes ¹²			
Garages	Yes	Yes	Yes ¹³	Yes ¹³	Yes	Yes ¹³	N.P.	N.P.	Yes	Yes ¹³	Yes ¹³			
Aircraft Hangars	Yes ¹⁶	Yes	Yes	Yes	Yes	N.P.	N.P. 6	N.P. 6	Yes	N.P.	N.P.			
Day Care Centers	Yes	Yes	N.P.	N.P.	N.P.	N.P.	N.P. 6	N.P. 6	Yes	N.P.	N.P.			
Community Based Residential Facilities ¹⁷	Yes	Yes	N.P.	N.P.	N.P.	N.P.	N.P. 6	N.P. 6	Yes	N.P.	N.P.			

N.P. = Not Permitted

Unlisted Occupancies - Use the listed occupancy in the table that is most similar to the subject occupancy.

Clearances - Equipment shall be installed in accordance with the clearance from combustibles indicated in the name plate of the unit.

- See s. ILHR 64.22 (7) (d) for fireplace requirements.
- All solid-fuel fired space heaters shall be located in occupied space or in a space provided with approved smoke detectors and located or guarded to maintain clearances to combustibles and prevent accidental damage or contact with hot surfaces. Solid-fuel burning stoves are limited to 150,000 Btu/hr output.
- Except as provided in Footnote 4, direct-fired makeup air units shall be mechanically exhausted in the range of 90% to 110% of the air supplied.
- See s. ILHR 64.22 (4) for other permitted uses of direct fired unvented natural gas heaters.
- Where permitted, such equipment other than infrared shall be located in an occupied space (see s. ILHR 64.22 (3)) and suspended at least 7 feet above the floor. Infrared equipment shall be located at least 8 feet above the floor. Suspension of solid-fuel fired equipment is not permitted. See s. ILHR 54.14 (3) for additional requirements.
- Permitted with combustion air ducted to unit in occupancies less than 3,000 square feet gross area and with occupant load less than 100 persons.
- Permitted in kitchens to provide makeup air for kitchen exhaust systems if located outside building or in a rated enclosure.
- Permitted only in shops with a 3-hour separation from other areas of the school building.
- Permitted only in shops with a 3-hour separation from other areas of the school building.
- Gas-fired, direct-vent wall furnaces are permitted in apartments and motels.
- Suspended heating units are allowed in garages if located at least 8 feet off the floor. Suspension of solid-fuel fired equipment is not permitted.
- Suspended heating units are allowed if located at least 10 feet above the upper surface of the wings or engine enclosure of the aircraft. Suspension of solid-fuel fired equipment is not permitted.
- Solid-fuel fired space heaters are permitted in rowhouse units only.
- Waste oil burners are permitted provided they are installed on mezzanines or service platforms located at least 8'-0" above the main floor, are visible from the main floor and are guarded as specified in this section.
- See s. ILHR 60.25 for smoke detector alternative.
- See s. Ind 61.24 for requirements.
- See ss. ILHR 51.01(29a), 54.14(1)(b), 55.29(1)(b), 56.15(1)(c), 57.14(1)(c)5., 59.21, 60.25(1), 62.32(1)(b) and 62.78(1)(b) for additional requirements.

SECTION 15. ILHR 64.22 (1) is amended to read:

ILHR 64.22 (1) BOILERS AND PRESSURE VESSELS. (a) Construction standards. Boilers and pressure vessels shall be constructed and installed in compliance with the standards of the American Society of Mechanical Engineers, as adopted under chs. ~~and~~ ILHR 41-42.

(b) Installation notification. The installing contractor shall notify the department of boiler installation, in accordance with the requirements of s. ~~and~~ ILHR 41.05, before the boiler or pressure vessel is put into operation.

SECTION 16. ILHR 64.22 (4) (b) is amended to read:

ILHR 64.22 (4) (b) If unvented radiant heaters or direct fired unvented natural gas heaters are used, mechanical means shall be provided to supply at least 4 cfm of outside air per 1000 Btu per hour input of installed heaters;

SECTION 17. ILHR 64.22 (6) (intro.) is amended to read:

ILHR 64.22 (6) EQUIPMENT IN HAZARDOUS LOCATIONS. The types of heating and ventilating equipment that may be installed in hazardous locations ~~(as defined in Article 500 of the National Electrical Code)~~ as adopted by reference in ch. ILHR 16 are as follows:

SECTION 18. ILHR 64.34 (1) is amended to read:

ILHR 64.34 (1) METAL DUCTS. All sheet metal ducts, duct liners and fittings shall be constructed in compliance with standards approved by the department.

SECTION 19. ILHR 64.34 (3) (e) is repealed.

SECTION 20. ILHR 64.41 (4) (b) is amended to read:

ILHR 64.41 (4) (b) Building envelope insulation. Building envelope insulation within the plenum space shall have a flame-spread rating of 25 or less and a smoke-developed rating of 50 or less when tested according to ASTM E-84 test standards. The use of foam plastics, satisfying the requirements of s. ILHR 51.06, for envelope insulation is permitted provided the foam plastic is protected by a thermal barrier as specified in s. ILHR 51.06 (3) ~~(b) 2.~~

SECTION 21. ILHR 64.50 (1) (c) is amended to read:

ILHR 64.50 (1) (c) Distance from materials. Connectors shall be installed with clearance to combustibles specified in par. (b) or ~~Table 64.51-D,~~ unless reduced according to Table 64.51-B NFPA standard 211;

SECTION 22. ILHR 64.50 (1) (g) 2. is amended to read:

ILHR 64.50 (1) (g) 2. 'Exception'. Connectors serving listed residential-type gas appliances shall be not less than .016 inch ~~(28-gage)~~ galvanized steel.

SECTION 23. Table 64.50 is amended to read:

TABLE 64.50

MINIMUM CHIMNEY CONNECTOR METAL THICKNESS

Galvanized Steel		
Diameter of Connector	Min. thickness (inch)	Gage <u>Gauge</u>
Less than 6 inches	.019	26
6 inches to less than 10 inches	.024	24
10 inches to 13 inches	.030	22
14 inches to 16 inches	.036	20
Greater than 16 inches	.058	16

SECTION 24. ILHR 64.51 (4) is amended to read:

ILHR 64.51 (4) FIRE PROTECTION. ~~All installations under this chapter shall comply with the precautionary requirements of the department to reduce fire hazards.~~

(a) 1. Heat-producing appliances and their chimney or vent connectors shall be installed with clearances to combustible material as ~~shown~~ specified in ~~Tables 64.51 - A, B, C, and D and NFPA Manual No. 89M and NFPA Standard No. 211~~ unless listed for installation at other clearances.

2. Clearance to combustible materials shall be as specified in NFPA Standard No. 211 or as specified by a nationally recommended testing laboratory, whichever is greater.

(b) Clearances shall be measured ~~form~~ from the outer surface of the appliance or connector to the combustible material, disregarding any intervening protection applied to the combustible material.

(c) Appliances shall not be installed in alcoves or closets unless approved for such installations.

SECTION 25. Tables 64.51 - A, B, C and D are repealed.

SECTION 26. ILHR 64.57 (2) is repealed and recreated to read:

ILHR 64.57 (2) GENERAL. (a) The heating, ventilating and air conditioning systems of all occupancies within the scope of this section shall be designed, operated and maintained as specified in sections 2, 7.29 A. to D., 8.12 A. to C., 9.2 L., 9.4 I., 9.5 M. and 9.6 J., depending upon the occupancy, of the Guidelines for Construction and Equipment for Hospitals and Medical Facilities, DHHS Publication No. (HRS-M-HF) 84-1.

(b) The heating, ventilating and air conditioning systems shall also be designed, operated and maintained as specified in the applicable sections of the following standards as referenced in DHHS Publication No. (HRS-M-HF) 84-1.:

1. Installation of Air Conditioning and Ventilating Systems, NFPA No. 90A;
2. ASHRAE Handbook of Fundamentals; and
3. Methods of Testing Air Cleaning Devices Used in General Ventilation for Removing Particulate Matter, ASHRAE Standard No. 52.

SECTION 27. ILHR 64.57 (3) is repealed.

SECTION 28. ILHR 64.57 (4) is renumbered 64.57 (3).

SECTION 29. ILHR 64.62 is repealed and recreated to read:

ILHR 64.62 VEHICLE SERVICE BUILDINGS. (1) APPLICATION. (a) This section applies to liquid fuel dispensing stations and facilities where vehicles can be driven into the building for washing, greasing, oil change, tire replacement, body repair, and similar operations.

(b) The exhaust air shall be drawn from not more than 18 inches above the floor.

(2) VENTILATION. (a) Air movement, supply, distribution and exhaust shall be provided as specified in s. ILHR 64.05, Table 1.

(b) Buildings or portions of buildings having a capacity of and used exclusively for washing 2 or more vehicles simultaneously shall be exhausted at not less than 1/2 cubic foot per minute per square foot of floor area based on that portion of the floor located between the termination of the conveyor system and the vehicle exit door. A supply of makeup air is not required for this exhaust.

SECTION 30. ILHR 64.65 (1) Note #5 is created to read:

ILHR 64.65 (1) Note #5: The rules of this section are not intended to preclude the use of energy recovery wheels, plate type heat exchangers or similar energy recovery equipment.

SECTION 31. ILHR 64.65 (2) is repealed and recreated to read:

ILHR 64.65 (2) EXHAUST VENTILATING SYSTEMS. Exhaust ventilating systems serving this class of occupancy may be combined with other exhaust services provided the combined system:

(a) Does not allow recirculation; and

(b) Does not include grease hood exhaust, radioactive exhaust, fume hood exhaust, exhaust required by chs. Ind 1000-2000, exhaust that requires electrical grounding, or exhaust that requires spark resistant fan construction.

SECTION 32. A64.57 of Appendix A is repealed.

EFFECTIVE DATE

Pursuant to s. 227.026 (1) (b), Stats., these rules shall take effect on January 1, 1986.

The Wisconsin Department of Industry, Labor and Human Relations

July 24, 1985

Office of the Secretary
201 E. Washington Avenue
P.O. Box 7946
Madison, Wisconsin 53707
Telephone 608/266-7552

Gary Poulson
Assistant Revisor of Statutes
for Administrative Rules
411 West, State Capitol
Madison, Wisconsin

Douglas LaFollette
Secretary of State
Room 271, GEF-1
201 East Washington Avenue
Madison, Wisconsin

Dear Messrs. Poulson and LaFollette:

TRANSMITTAL OF RULE ADOPTION

CLEARINGHOUSE RULE NO. 85-30

RULE NO. ch. ILHR 64

RELATING TO: Heating, Ventilating and Air Conditioning

Pursuant to section 227.023, Stats., agencies are required to file a certified copy of every rule adopted by the agency in the offices of the Secretary of State and the Revisor of Statutes.

At this time, the following material is being submitted to you.

1. Order of Adoption.
2. Rules Certificate Form.
3. Rules in Final Draft Form.

Pursuant to section 227.016 (6), Stats., a summary of the final regulatory flexibility analysis is also included.

Respectfully submitted,



Howard S. Bellman
Secretary

RECEIVED

JUL 24 1985

Revisor of Statutes
Bureau

cc: Agency Contact Person