

# RULES CERTIFICATE

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

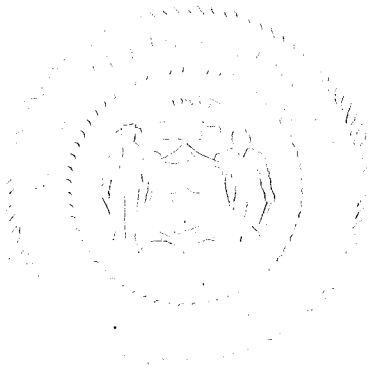
RECEIVED  
AUG 11 1992  
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Revisor of Statutes  
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TO ALL TO WHOM THESE PRESENTS SHALL COME, GREETINGS:

I, Carol Skornicka, 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 national standards for plumbing products  
(Subject)

were duly approved and adopted by this department on August 11, 1992  
(Date)

I further certify that said copy has been compared by me with the original on file in the 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 1:30 p.m.  
in the city of Madison, this 11th  
day of August A.D. 19 92

Carol Skornicka  
Secretary

10-1-92

# ORDER OF ADOPTION

Pursuant to authority vested in the Department of Industry, Labor and Human Relations by section(s)

101.02 (1) and 145.02 (2)

Stats., the Department of Industry, Labor and Human Relations  creates;  amends;

repeals and recreates;  repeals and adopts rules of Wisconsin Administrative Code chapter(s):

ILHR 81-87

(Number)

Plumbing

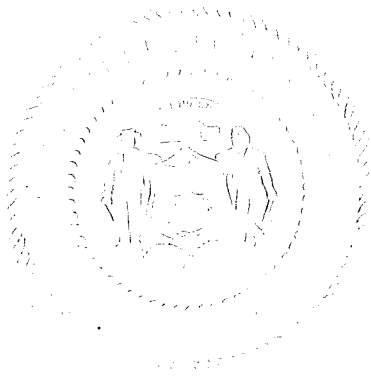
(Title)

The attached rules shall take effect on the first day of the month following publication  
in the Wisconsin Administrative Register pursuant to section 227.22, Stats.

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Adopted at Madison, Wisconsin this

date: August 11, 1992

DEPARTMENT OF INDUSTRY, LABOR AND HUMAN  
RELATIONS

Carol Jean  
Secretary



# RULES in FINAL DRAFT FORM

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**Rule No.:** \_\_\_\_\_ Sections ILHR 84.30, 84.40 and 84.60  
**Relating to:** \_\_\_\_\_ National Standards for Plumbing Products  
**Clearinghouse Rule No.:** \_\_\_\_\_ 92-52

The Wisconsin Department of Industry, Labor and Human Relations proposes an order to repeal Table 84.30-6 Note c; to amend Table 84.30-1, Table 84.30-3, Table 84.30-4, Table 84.30-5, ILHR 84.30 (3) (a), Table 84.30-6, Table 84.30-7, Table 84.30-8, Table 84.30-9, Table 84.30-10, Table 84.30-11, ILHR 84.40 (5) (b) 1.b., Table 84.60-2, Table 84.60-3, Table 84.60-4, Table 84.60-5, Table 84.60-6, Table 84.60-7, Table 84.60-8, Table 84.60-9, and Table 84.60-10; and to create Table 84.60-8m, relating to national standards for plumbing products.

\*\*\*\*\*

ANALYSIS OF PROPOSED RULES

Statutory Authority: ss. 101.02 (1) and 145.02 (2), Stats.  
Statutes Interpreted: ss. 145.02 (1) and 227.21, Stats.

Under section 145.02 of the Wisconsin Statutes, the Safety and Buildings Division within the Department is responsible for administering and enforcing the Plumbing Products Code, Chapter ILHR 84. The proposed rules consist of revisions in chapter ILHR 84 in order to update the requirements relating to the adoption of national standards for plumbing products.

The proposed rules contain changes in section ILHR 84.30 in response to the discontinuation of several national standards by the American Society for Testing and Materials (ASTM). For example, ASTM standard A120, relating to steel pipe, has been discontinued. The proposed rules also contain an extensive update of section ILHR 84.60, relating to the incorporation by reference of nationally recognized standards for plumbing products.

In accordance with section 227.21 of the Wisconsin Statutes, approval of the Revisor of Statutes and the Attorney General to incorporate the updated standards has been requested.

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SECTION 1. ILHR 84.30 Table 84.30-1 is amended to read:

Table 84.30-1  
ABOVE GROUND DRAIN AND VENT PIPE AND TUBING  
(Partial Table)

| Material         | Standard                       |
|------------------|--------------------------------|
| Galvanized steel | ASTM A53; <del>ASTM-A120</del> |

SECTION 2. ILHR 84.30 Table 84.30-3 is amend to read:

Table 84.30-3  
SANITARY BUILDING SEWER PIPE AND TUBING  
(Partial Table)

| Material                              | Standard  |
|---------------------------------------|---|
| Polyvinyl chloride (PVC) <sup>a</sup> | ASTM D2665; <del>ASTM-D3033</del> ; ASTM D3034;<br>ASTM D1785 |

SECTION 3. ILHR 84.30 Table 84.30-4 is amended to read:

Table 84.30-4  
PERFORATED EFFLUENT DISTRIBUTION PIPING FOR  
NONPRESSURIZED SOIL ABSORPTION SYSTEMS

| Material                       | Standard              |
|--------------------------------|-----------------------|
| Polyethylene (PE) <sup>a</sup> | ASTM F405; ASTM F810  |
| Polyvinyl chloride (PVC)       | ASTM D2729            |
| <del>Styrene-rubber-(SR)</del> | <del>ASTM-D3298</del> |

SECTION 4. ILHR 84.30 Table 84.30-5 is amended to read:

Table 84.30-5  
PRESSURIZED DRAIN PIPE AND TUBING AND SERVICE SUCTION LINES  
(Partial Table)

| Material   | Standard   |
|--|--|
| Chlorinated polyvinyl chloride (CPVC) <sup>a</sup> | ASTM D2846; ASTM F441; ASTM F442;<br>ASTM-F443                           |
| <del>Galvanized steel</del>                        | ASTM A53   |
| Polyvinyl chloride (PVC) <sup>a</sup>              | ASTM D1785; ASTM D2241; ASTM D2665;<br>ASTM D2672; ASTM-D2740; AWWA C900 |

SECTION 5. ILHR 84.30 (3) (a) is amended to read:

ILHR 84.30 (3) (a) Above ground drain and vent pipe. Drain pipe and vent pipe installed above ground and inside a building shall conform to one of the standards listed in Table 84.30-1, except black steel pipe conforming to ASTM A53 ~~or~~ ~~ASTM-A120~~ may be used for storm water conductors. Black steel conductors may not be embedded in concrete or masonry.

SECTION 6. ILHR 84.30 Table 84.30-6 is amended to read:

Table 84.30-6  
STORM BUILDING SEWER PIPE AND TUBING  
(Partial Table)

| Material                                  | Standard  |
|---|---|
| <del>Corrugated-steel-</del> <sup>e</sup> | FS-WW-P-405a                                      |
| Polyvinyl chloride (PVC) <sup>a</sup>     | ASTM D2665; ASTM-D3033; ASTM D3034;<br>ASTM D1785 |

SECTION 6m. ILHR 84.30 Table 84.30-6 Note c is repealed.

SECTION 7. ILHR 84.30 Table 84.30-7 is amended to read:

Table 84.30-7  
SUBSOIL DRAIN PIPE AND TUBING

| Material                       | Standard                     |
|--------------------------------|------------------------------|
| Cast iron                      | ASTM A74; CISPI 301          |
| Clay drain tile                | ASTM C4                      |
| Polyethylene (PE)              | ASTM F405                    |
| Polyvinyl chloride (PVC)       | ASTM D2729 (Perforated only) |
| <del>Styrene-rubber-(SR)</del> | <del>ASTM-D3298</del>        |
| Vitrified clay                 | ASTM C700                    |

SECTION 8. ILHR 84.30 Table 84.30-8 is amended to read:

Table 84.30-8  
PIPE AND TUBING FOR  
WATER SERVICES AND PRIVATE WATER MAINS  
(Partial Table)

| Material   | Standard   |
|--|--|
| Chlorinated polyvinyl chloride (CPVC) <sup>a</sup> | ASTM D2846; ASTM F441; ASTM F442;<br><del>ASTM-F443</del>                            |
| Copper <sup>b</sup>                                | ASTM B42; ASTM B88   |
| Ductile iron                                       | ASTM A377; AWWA C115/A21.15;<br>AWWA C151/A21.51                                     |
| Galvanized steel                                   | ASTM A53; <del>ASTM-A120</del>   |
| Polyvinyl chloride (PVC) <sup>a</sup>              | ASTM D1785; ASTM D2241; <del>ASTM-</del><br><del>D2740</del> ; ASTM D2672; AWWA C900 |

SECTION 9. ILHR 84.30 Table 84.30-9 is amended to read:

Table 84.30-9  
WATER DISTRIBUTION PIPE AND TUBING  
(Partial Table)

| Material         | Standard                       |
|------------------|--------------------------------|
| Galvanized steel | ASTM A53; <del>ASTM-A120</del> |

SECTION 10. ILHR 84.30 Table 84.30-10 is amended to read:

Table 84.30-10  
EXTERIOR TURF  
SPRINKLER SYSTEM PIPE AND TUBING  
(Partial Table)

| Material   | Standard  |
|--|---|
| Chlorinated polyvinyl chloride (CPVC) <sup>a</sup> | ASTM F441; ASTM F442; <del>ASTM-F443</del> ;<br>ASTM D2846              |
| Copper <sup>b</sup>                                | ASTM B88  |
| Ductile iron                                       | ASTM A377; AWWA C115/A21.15;<br>AWWA C151/A21.51                        |
| Galvanized steel                                   | ASTM A53; <del>ASTM-A120</del>  |
| Polyvinyl chloride (PVC) <sup>a</sup>              | ASTM D1785; ASTM D2241; ASTM D2672;<br>AWWA C900; <del>ASTM-D2740</del> |

SECTION 11. ILHR 84.30 Table 84.30-11 is amended to read:

Table 84.30-11  
PIPE FITTINGS  
(Partial Table)

| Material                              | Standard   |
|---------------------------------------|--|
| Acrylonitrile butadiene styrene (ABS) | <del>ASTM-D2465</del> ; ASTM D2468; <del>ASTM-D2469</del> ;<br>ASTM D3311; ASTM F409 |
| Polyethylene (PE)                     | ASTM D2609; ASTM D2683; <del>ASTM-D3197</del> ;<br>ASTM D3261                        |
| Polyvinyl chloride (PVC)              | ASTM D2464; ASTM D2466; ASTM D2467;<br><del>ASTM-D3036</del> ; ASTM D3311; ASTM F409 |

SECTION 11m. ILHR 84.40 (5) (b) 1. b. is amended to read:

ILHR 84.40 (5) (b) 1. b. Mechanical sleeve joints for drain and vent systems shall have a rubber sealing sleeve conforming to ASTM C564, or CISPI 310 or FM 1680. Where a stainless steel band assembly is used, the band assembly shall conform to CISPI 310 or FM 1680. Mechanical joints shall be installed in accordance with the manufacturer's instructions.



SECTION 12. ILHR 84.60 Table 84.60-2 is amended to read:

Table 84.60-2  
(Partial Table)

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|      |  |
|------|--|
| ANSI | American National Standards Institute, Inc.<br>1430 Broadway<br>New York, New York 10018 |
|------|--|

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| Standard Reference Number   | Title   |
|-----------------------------|---|
| 4. A112.19.1M-79 <u>87</u>  | Enameled Cast Iron Plumbing Fixtures  |
| 6. A112.19.3M-76 <u>87</u>  | Stainless Steel Plumbing Fixtures<br>(Designed for Residential Use)             |
| 7. A112.19.4-77 <u>84</u>   | Porcelain Enameled Formed Steel Plumbing Fixtures                               |
| 10. A112.21.2M-77 <u>83</u> | Roof Drains   |
| 32. Z21.22-79 <u>86</u>     | Relief Valves and Automatic Gas Shutoff Devices<br>for Hot Water Supply Systems |
| 33. Z124.1-80 <u>87</u>     | Plastic Bathtub Units   |
| 34. Z124.2-80 <u>87</u>     | Plastic Shower Receptors and Shower Stalls                                      |
| 35. Z124.3-80 <u>86</u>     | Plastic Lavatories  |
| 36. Z124.4-83 <u>86</u>     | Plastic Water Closet Bowls and Tanks  |

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SECTION 13. ILHR 84.60 Table 84.60-3 is amended to read:

Table 84.60-3

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|     |   |
|-----|---|
| ARI | Air-Conditioning and Refrigeration Institute<br>1815 North Fort Myer Drive<br>Arlington, Virginia 22209 |
|-----|---|

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| Standard Reference Number | Title   |
|---------------------------|---|
| ARI-1010-82 <u>84</u>     | Drinking-Fountains and Self-Contained,<br>Mechanically-Refrigerated Drinking-Water<br>Coolers |

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SECTION 14. ILHR 84.60 Table 84.60-4 is amended to read:

Table 84.60-4

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|      |  |
|------|--|
| ASSE | American Society of Sanitary Engineering<br>P.O. Box 9712<br>Bay Village, Ohio 44140 |
|------|--|

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| Standard Reference<br>Number | Title  |
|------------------------------|--|
| 1. 1001-82 <u>90</u>         | Pipe Applied Atmospheric Type Vacuum Breakers  |
| 2. 1002-79 <u>86</u>         | Water Closet Flush Tank Ball Cocks   |
| 3. 1003-84 <u>82</u>         | Water Pressure Reducing Valves for Domestic Water<br>Supply Systems                          |
| 4. 1004-67 <u>90</u>         | Commercial Dishwashing Machines  |
| 5. 1005-67 <u>86</u>         | Water Heater Drain Valves, 3/4" Iron Pipe Size   |
| 6. 1006-79 <u>86</u>         | <u>Residential Use (Household) Dishwashers</u>   |
| 7. 1007-79 <u>86</u>         | Home Laundry Equipment   |
| 8. 1008-79 <u>86</u>         | Household Food Waste Disposer Units  |
| 9. 1009-70 <u>90</u>         | Commercial Food Waste Disposer <u>Grinder</u> Units  |
| 10. 1010-82                  | Water Hammer Arrestors   |
| 11. 1011-84 <u>82</u>        | Hose Connection Vacuum Breakers  |
| 12. 1012-78                  | Backflow Preventers with Intermediate Atmospheric<br>Vent                                    |
| 13. 1013-80 <u>88</u>        | Reduced Pressure Principle Backflow Preventers,<br>Including Appendix                        |
| 14. 1014-79 <u>90</u>        | Handheld Showers   |
| 15. 1018-78 <u>86</u>        | Trap Seal Primer Valves, <u>Water Supply Fed</u>   |
| 16. 1019-78                  | Wall Hydrants, Frost Proof Automatic Draining,<br>Anti-Backflow Types                        |
| 17. 1023-79                  | Hot Water Dispensers, Household Storage Type,<br>Electrical                                  |
| 18. 1025-78                  | Diverter for Plumbing Faucets with Hose Spray,<br>Anti-Siphon Type, Residential Applications |
| 19. 1035-84 <u>84</u>        | Laboratory Faucet Vacuum Breakers  |

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SECTION 15. ILHR 84.60 Table 84.60-5 is amended to read:

Table 84.60-5

| ASTM  |  | American Society for Testing and Materials<br>1916 Race Street<br>Philadelphia, Pennsylvania 19103 |
|---|--|--|
| Standard Reference Number                   | Title  |  |
| 1. A53-82 <u>90a</u>                        | Pipe, Steel, Black and Hot-Dipped, Zinc-Coated Welded and Seamless, Specification for  |  |
| 2. A74-82 <u>87</u>                         | Cast Iron Soil Pipe and Fittings, Specification for  |  |
| 3. <del>A120-82</del>                       | <del>Pipe, Steel, Black and Hot-Dipped Zinc-Coated</del><br><del>--(Galvanized)--Welded and Seamless, for Ordinary</del><br><del>--Uses, Specification for</del> |  |
| 4. A123-78 <u>89a</u>                       | Zinc (Hot-Galvanized) Coatings on Products Fabricated from Rolled, Pressed, and Forged Steel Shapes, Plates and Strip, Specification for                         |  |
| 5. A270-80 <u>90</u>                        | Seamless and Welded Austenitic Stainless Steel Sanitary Tubing, Specification for  |  |
| 6. A377-79 <u>89</u>                        | Gray Iron and Ductile Iron Pressure Pipe, Specification for  |  |
| 7. A403-82a <u>90</u>                       | Wrought Austenitic Stainless Steel Piping Fittings, Specification for  |  |
| 8. A450-82 <u>89</u>                        | General Requirements for Carbon, Ferritic Alloy, and Austenitic Alloy Steel Tubes, Specification for   |  |
| 9. B32-76 <u>89</u>                         | Solder Metal, Specification for  |  |
| 10. B42-83 <u>89</u>                        | Seamless Copper Pipe, Standard Sizes, Specification for  |  |
| 11. B43-80 <u>91</u>                        | Seamless Red Brass Pipe, Standard Sizes, Specification for   |  |
| 12. B75-81a <u>86</u>                       | Seamless Copper Tube, Specification for  |  |
| 13. B88-83 <u>89</u>                        | Seamless Copper Water Tube, Specification for  |  |
| 14. B152-83 <u>88</u>                       | Copper Sheet, Strip, Plate, and Rolled Bar, Specification for  |  |
| 15. B251-84 <u>88</u>                       | General Requirements for Wrought Seamless Copper and Copper-Alloy Tube, Specification for  |  |
| 16. B302-84 <u>88</u>                       | Threadless Copper Pipe, Specification for  |  |
| 17. B306-84 <u>88</u>                       | Copper Drainage Tube (DWV), Specification for  |  |
| 18. C4-62( <del>R1981</del> ) <u>(1986)</u> | Clay Drain Tile, Specification for   |  |
| 19. C14-82 <u>90</u>                        | Concrete Sewer, Storm Drain, and Culvert Pipe, Specification for   |  |
| 20. C76-83 <u>90</u>                        | Reinforced Concrete Culvert, Storm Drain, and Sewer Pipe, Specification for  |  |
| 21. C425-77( <del>R1982</del> ) <u>90a</u>  | Compression Joints for Vitrified Clay Pipe and Fittings, Specification for   |  |
| 22. C443-79 <u>85a(1990)</u>                | Joints for Circular Concrete Sewer and Culvert Pipe, Using Rubber Gaskets, Specification for   |  |
| 23. C564-70( <del>R1982</del> ) <u>88</u>   | Rubber Gaskets for Cast Iron Soil Pipe and Fittings, Specification for   |  |
| 24. C700-78a( <del>R1983</del> ) <u>89a</u> | Vitrified Clay Pipe, Extra Strength, Standard Strength, and Perforated, Specification for  |  |
| 25. D1527-77( <del>R1982</del> ) <u>89</u>  | Acrylonitrile-Butadiene-Styrene (ABS) Plastic Pipe, Schedules 40 and 80, Specification for   |  |

Table 84.60-5 (continued)

| Standard Reference Number                   | Title  |
|---|--|
| 26. D1785-83 <u>89</u>                      | Poly (Vinyl Chloride) (PVC) Plastic Pipe, Schedules 40, 80 and 120, Specification for  |
| 27. D2104-74( <del>R1982</del> ) <u>89</u>  | Polyethylene (PE) Plastic Pipe, Schedule 40, Specification for   |
| 28. D2235-81 <u>89</u>                      | Solvent Cement for Acrylonitrile-Butadiene-Styrene (ABS) Plastic Pipe and Fittings, Specification for                                  |
| 29. D2239-83 <u>89</u>                      | Polyethylene (PE) Plastic Pipe (SIDR-PR) Based on Controlled Inside Diameter, Specification for  |
| 30. D2241-83 <u>89</u>                      | Poly (Vinyl Chloride) (PVC) Plastic Pipe (SDR-PR), Specification for   |
| 31. D2282-82 <u>89</u>                      | Acrylonitrile-Butadiene-Styrene (ABS) Plastic Pipe (SDR-PR), Specification for   |
| 32. D2321-83a( <del>R1980</del> ) <u>89</u> | Underground Installation of Flexible Thermoplastic Sewer Pipe for Sewers and Other Gravity-Flow Applications, Recommended Practice for |
| 33. D2447-74( <del>R1982</del> ) <u>89</u>  | Polyethylene (PE) Plastic Pipe, Schedules 40 and 80 Based on Outside Diameter, Specification for                                       |
| 34. D2464-76 <u>90</u>                      | Threaded Poly (Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 80, Specification for   |
| 35. <del>D2465-73(<del>R1979</del>)</del>   | <del>Threaded Acrylonitrile-Butadiene-Styrene-(ABS) Plastic Pipe Fittings, Schedule 80, Specification for</del>                        |
| 36. D2466-78 <u>90a</u>                     | Poly (Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 40, Specification for  |
| 37. D2467-76a <u>90</u>                     | Socket-Type Poly (Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 80, Specification for  |
| 38. D2468-80 <u>89</u>                      | Acrylonitrile-Butadiene-Styrene (ABS), Plastic Pipe Fittings, Schedule 40, Specification for   |
| 39. <del>D2469-76</del>                     | <del>Socket-Type Acrylonitrile-Butadiene-Styrene-(ABS) Plastic Pipe Fittings, Schedule 80, Specification for</del>                     |
| 40. D2564-80 <u>88</u>                      | Solvent Cements for Poly (Vinyl Chloride) (PVC) Plastic Pipe and Fittings, Specification for   |
| 41. D2609-74 <u>90</u>                      | Plastic Insert Fittings for Polyethylene (PE) Plastic Pipe, Specification for  |
| 42. D2657-79 <u>90</u>                      | Heat-Joining of Polyolefin Pipe and Fittings, Specification for  |
| 43. D2661-82 <u>90</u>                      | Acrylonitrile-Butadiene-Styrene (ABS) <u>Schedule 40</u> Plastic Drain, Waste, and Vent Pipe and Fittings, Specification for           |
| 44. D2662-83 <u>89</u>                      | Polybutylene (PB) Plastic Pipe (SIDR-PR), Based on Controlled Inside Diameter, Specification for                                       |
| 45. D2665-82 <u>91b</u>                     | Poly (Vinyl Chloride) (PVC) Plastic Drain, Waste, and Vent Pipe and Fittings, Specification for  |
| 46. D2666-83 <u>89</u>                      | Polybutylene (PB) Plastic Tubing, Specification for  |
| 47. D2672-80 <u>89</u>                      | Bell-End Poly (Vinyl Chloride) (PVC) Pipe, Specification for   |
| 48. D2680-80 <u>90</u>                      | Acrylonitrile-Butadiene-Styrene (ABS) and Poly (Vinyl Chloride) (PVC) Composite Sewer Piping, Specification for                        |
| 49. D2683-82 <u>90</u>                      | Socket-Type Polyethylene Fittings for Outside Diameter-Controlled Polyethylene Pipe and Tubing, Specification for                      |

Table 84.60-5 (continued)

| Standard Reference Number                | Title  |
|--|--|
| 50. D2729-83 <u>89</u>                   | Poly (Vinyl Chloride) (PVC) Sewer Pipe and Fittings, Specification for   |
| 51. D2737-83 <u>89</u>                   | Polyethylene (PE) Plastic Tubing, Specification for  |
| 52. <del>D2740-80</del>                  | <del>Poly-(Vinyl-Chloride)-(PVC)-Plastic-Tubing, --Specification-for</del>   |
| 53. D2751-83a <u>89</u>                  | Acrylonitrile-Butadiene-Styrene (ABS) Sewer Pipe and Fittings, Specification for                                     |
| 54. <del>D2774-72(R1978)</del> (1983)    | <del>Underground Installation of Thermoplastic Pressure Piping, Recommended Practice for</del>                       |
| 55. D2846-82 <u>90</u>                   | Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Hot- and Cold-Water Distribution Systems, Specification for         |
| 56. D2852-84 <u>89</u>                   | Styrene-Rubber (SR) Plastic Drain Pipe and Fittings, Specification for   |
| 57. D2855-83 <u>90</u>                   | Making Solvent-Cemented Joints with Poly (Vinyl Chloride) (PVC) Pipe and Fittings, Recommended Practice for          |
| 58. <del>D3000-73(R1984)</del> <u>89</u> | <del>Polybutylene (PB) Plastic Pipe (SDR-PR) Based on Outside Diameter, Specification for</del>                      |
| 59. <del>D3033-83</del>                  | <del>Type PSP Poly-(Vinyl-Chloride)-(PVC)-Sewer-Pipe-and --Fittings,--Specification-for</del>                        |
| 60. D3034-83 <u>89</u>                   | Type PSM Poly (Vinyl Chloride) (PVC) Sewer Pipe and Fittings, Specification for                                      |
| 61. D3035-84 <u>89a</u>                  | Polyethylene (PE) Plastic Pipe (SDR-PR) Based on Controlled Outside Diameter, Specification for                      |
| 62. <del>D3036-73</del>                  | <del>Socket-Type-Polyvinyl-Chloride-(PVC)-Plastic-Line --Couplings,--Specification-for</del>                         |
| 63. D3139-77 <u>89</u>                   | Joints for Plastic Pressure Pipes Using Flexible Elastomeric Seals, Specification for                                |
| 64. <del>D3140-72(R1977)</del> <u>90</u> | <del>Flaring Polyolefin Pipe and Tubing, Recommended Practice for</del>  |
| 65. <del>D3197-73</del>                  | <del>Joints-for-Plastic-Pressure-Pipes-Using-Flexible --Elastomeric-Seals,--Specification-for</del>                  |
| 66. D3212-84 <u>89</u>                   | Joints for Drain and Sewer Plastic Pipes Using Flexible Elastomeric Seals, Specification for                         |
| 67. D3261-82 <u>90</u>                   | Butt Heat Fusion Polyethylene (PE) Plastic Fittings for Polyethylene (PE) Plastic Pipe and Tubing, Specification for |
| 68. <del>D3298-84</del>                  | <del>Perforated-Styrene-Rubber-(SR)-Plastic-Drain-Pipe, --Specification-for</del>                                    |
| 69. D3309-83 <u>89a</u>                  | Polybutylene (PB) Plastic Hot-and Cold-Water Distribution Systems, Specification for                                 |
| 70. D3311-82 <u>90a</u>                  | Drain, Waste, and Vent (DWV) Plastic Fittings Patterns, Specification for  |
| 71. D4068-84 <u>89</u>                   | Chlorinated Polyethylene (CPE) Sheeting for Concealed Water-Containment Membrane, Specification for                  |
| 72. F402-80 <u>88</u>                    | Safe Handling of Solvent Cements and Primers Used for Joining Thermoplastic Pipe and Fittings, Practice for          |

SECTION 17. ILHR 84.60 Table 84.60-7 is amended to read:

Table 84.60-7

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|      |   |
|------|---|
| AWWA | American Water Works Association<br>Data Processing Department<br>6666 West Quincy Avenue<br>Denver, Colorado 80235 |
|------|---|

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| Standard Reference Number   | Title   |
|-----------------------------|---|
| 1. C110/A21.10-82 <u>87</u> | American National Standard for Ductile-Iron and Gray-Iron Fittings, 3 in. through 48 in., for Water and Other Liquids   |
| 2. C111/A21.11-80 <u>90</u> | American National Standard for Rubber-Gasket Joints for Ductile-Iron and-Gray-Iron Pressure Pipe and Fittings   |
| 3. C115/A21.15-83 <u>88</u> | American National Standard for Flanged Ductile-Iron and Gray-Iron Pipe with Threaded Flanges  |
| 4. C151/A21.51-84 <u>86</u> | American National Standard for Ductile-Iron Pipe, Centrifugally Cast in Metal Molds or Sand-Lined Molds, for Water or Other Liquids   |
| 5. C153/A21.53-84 <u>88</u> | American National Standard for Ductile-Iron Compact Fittings, 3 in. through <del>12</del> <u>16</u> in. for Water and Other Liquids   |
| 6. C900-84 <u>89</u>        | American <del>National</del> <u>Water Works Association</u> Standard for <u>Polyvinyl Chloride (PVC)</u> Pressure Pipe, 4 in. through 12 in., for Water, <del>Polyvinyl-Chloride-</del> <del>(PVC)</del> Distribution |

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SECTION 18. ILHR 84.60 Table 84.60-8 is amended to read:

Table 84.60-8

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|       |  |
|-------|--|
| CISPI | Cast Iron Soil Pipe Institute<br>1499 Chain Bridge Road, Suite 203<br>McLean, Virginia 22101 |
|-------|--|

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| Standard Reference Number | Title   |
|---------------------------|---|
| 1. 301-82 <u>90</u>       | <del>Cast-Iron-Soil-Pipe-and-Fittings-for</del> Hubless Cast Iron Systems <u>Soil Pipe and Fittings for Sanitary and Storm Drain, Waste, or and Vent, Sewer, Rainwater or Storm-Drain-Systems Piping Applications, Specification for</u>  |
| 2. 310-82 <u>90</u>       | <del>CISPI's-Patented-Joints-for-Use-in-Connection-with</del> Cast-Iron-Systems-for-Drain, Waste or Vent, Sewer, Rainwater or Storm-Drain-Systems, <u>Coupling for use in Connection with Hubless Cast Iron Soil Pipe and Fittings for Sanitary and Storm Drain, Waste, and Vent Piping Applications, Specification for</u> |

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SECTION 18m. ILHR 84.60 Table 84.60-8m is created to read:

Table 84.60-8m

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|      |  |
|------|--|
| FMRC | Factory Mutual Research Corp.<br>1151 Boston-Providence Turnpike<br>Norwood, Massachusetts 02062 |
|------|--|

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| Standard Reference<br>Number | Title   |
|------------------------------|---|
| 1680                         | Couplings used in Hubless Cast Iron Systems for<br>Drain, Waste or Vent, Sewer, Rainwater or Storm<br>Drain Systems Above and Below Ground,<br>Industrial/Commercial and Residential,<br>January 1989 |

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SECTION 19. ILHR 84.60 Table 84.60-9 is amended to read:

Table 84.60-9

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|    |   |
|----|---|
|    | Federal Specifications*<br>National Bureau of Standards<br>Office of Engineering Standards<br>U.S. Department of Commerce<br>Washington, D.C. 20234 |
| FS | *Standards are available from the<br>Superintendent of Documents<br>U.S. Government Printing Office<br>Washington, D.C. 20402                       |

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| Standard Reference<br>Number | Title   |
|------------------------------|---|
| WW-P-325B                    | Pipe, Bends, Traps, Caps and Plugs; Lead (For<br>Industrial Pressure, and Soil and Waste<br>Applications), June 9, 1976 |
| WW-P-405a                    | <del>Corrugated Pipe (Iron or Steel, Zinc-Coated),<br/>--September-1968, with Amendment-1, --September-1970</del>       |

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SECTION 20. ILHR 84.60 Table 84.60-10 is amended to read:

Table 84.60-10

| NSF                          | National Sanitation Foundation<br>3475 Plymouth Road<br>P.O. Box 1468<br>Ann Arbor, Michigan 48106 |
|------------------------------|--|
| Standard Reference<br>Number | Title  |
| Standard 14-85 90            | Plastic Piping Compounds and Related Materials   |

(END)

\*\*\*\*\*

Pursuant to s. 227.22 (2) (intro.), Stats., these rules shall take effect on the first day of the month following publication in the Wisconsin Administrative Register.

\*\*\*\*\*

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Tommy G. Thompson  
Governor  
Carol Skornicka  
Secretary



Mailing Address:  
201 E. Washington Avenue  
Post Office Box 7946  
Madison, WI 53707-7946  
Telephone (608) 266-7552

**State of Wisconsin**  
**Department of Industry, Labor and Human Relations**

---

August 11, 1992

Gary Poulson  
Assistant Revisor of Statutes  
2nd Floor  
119 Martin Luther King Blvd.  
Madison, Wisconsin 53703

Douglas LaFollette  
Secretary of State  
10th Floor  
30 West Mifflin Street  
Madison, Wisconsin 53703

**RECEIVED**

**AUG 11 1992**

Revisor of Statutes  
Bureau

Dear Messrs. Poulson and LaFollette:

**TRANSMITTAL OF RULE ADOPTION**

CLEARINGHOUSE RULE NO. 92-52  
RULE NO. Sections ILHR 84.30, 84.40 and 84.60  
RELATING TO: National Standards for Plumbing Products

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Pursuant to section 227.20, Stats., agencies are required to file a certified copy of every rule adopted by the agency with 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 227.114, Stats., a summary of the final regulatory flexibility analysis is included for permanent rules. A fiscal estimate and fiscal estimate worksheet is included with an emergency rule.

Respectfully submitted,

A handwritten signature in cursive script, appearing to read "Carol Skornicka".

Carol Skornicka  
Secretary