



ASSE ILLINOIS CHAPTER MONTHLY NEWSLETTER

SEPTEMBER 2022

PUBLISHED BY: GARY W. HOWARD

AMERICAN SOCIETY OF SANITARY ENGINEERING DOING WHATS BEST FOR ALL



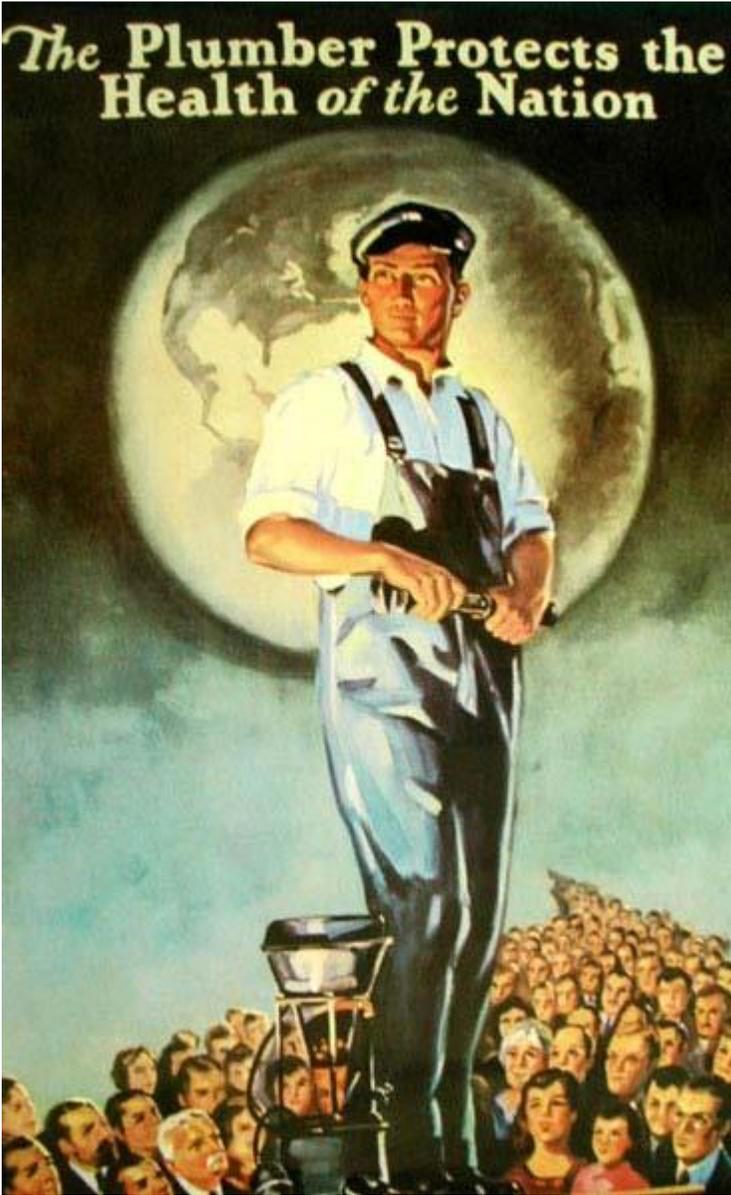
← From the first rain drop that falls on earth to the filtering process of waste water

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**ASSE ILLINOIS CHAPTER WISHES EVERYONE A HAPPY AND SAFE LABOR
(LABOUR) DAY**

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Gary W. Howard

If you have any questions about lead service lines please see the full text of the Act at:

https://www.ilga.gov/legislation/publicacts/102/PDF/10_2-0613.pdf

2022 ASSE INTERNATIONAL ANNUAL MEETING

Oct. 25-27 | San Diego Marriott Mission Valley At the ASSE International Annual Meeting, experts from all segments of the industry gather to participate in meetings, attend educational seminars, celebrate member achievements, and re-connect with colleagues and friends.

For 116 years, ASSE International has been bringing the industry together to improve the performance and reliability of products and professionals. By working together, we protect the health and safety of the public.

Join us in San Diego for the 2022 ASSE International Annual Meeting for three days of education, input, networking, idea sharing, advice, and camaraderie.



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PLUMBER LOCAL UNION 130 U.A. HAS ALWAYS STOOD UP AND FOUGHT FOR WORKERS RIGHTS. ON NOVEMBER 8, 2022 PLEASE VOTE YES FOR THE ILLINOIS CONSTITUTION WORKERS' RIGHTS AMENDMENT. REVIEW AT WWW.WORKERSRIGHTS.COM

Explanation of Amendment

The proposed amendment would add a new section to the Bill of Rights Article of the Illinois Constitution that would guarantee workers the fundamental right to organize and to bargain collectively and to negotiate wages, hours, and working conditions, and to promote their economic welfare and safety at work. It would also prohibit from being passed any law that interferes with, negates, or diminishes the right of employees to organize and bargain collectively over their wages, hours, and other terms and conditions of employment and workplace safety. At the general election to be held on November 8, 2022, you will be called upon to decide whether the proposed amendment should become part of the Illinois Constitution.

City Exam Schedule

CHICAGO

Plumbing License Exam Schedule for 2022

*Dates and locations are subject to change please check [Continental Testing's website](#) for verification

Exam Title	Exam Date	Deadline
Written	October 5, 2022*	September 1, 2022
Practical	December 3, 2022*	October 14, 2022

CITY OF CHICAGO PLUMBING CODES

ARTICLE IX. LEAD SERVICE LINE REPLACEMENT PROGRAMS (11-12-900 et seq.)

11-12-900 Creation of lead service line replacement programs.

(a) The Department of Water Management shall develop Lead Service Line Replacement Programs to promote and facilitate the replacement of full lead service lines.

(b) *Definitions.* For the purposes of this article, the following definitions shall apply:

(1) A "full lead service line" consists of both the publicly- and privately-owned portions of each lead service line, from the water main to the building.

(2) "Property" means a building located within the geographic boundaries of the City of Chicago.

(c) The Commissioner of Water Management is authorized, subject to the availability of duly appropriated funds, to create programs for the purpose of replacing full lead service lines within the City of Chicago, beyond those programs already enacted in Article IX of this Chapter, and within those programs, to:

(1) negotiate and enter into agreements, including grant agreements, with building owners, and to enter into and execute all such other related instruments and to perform any and all related acts as shall be necessary or advisable in connection with implementing the programs.

(2) fund the replacement of full lead service lines.

(3) provide a buffalo-box and water meter for buildings that meet the requirements of the programs.

11-12-910 Owner-Initiated LSLR Program.

(a) Owners who voluntarily replace the full lead service line serving the owner's Property may apply to be part of the Owner-Initiated LSLR program.

(b) Subject to need, availability, and appropriation of funds,

(1) the Commissioner of Water Management shall provide a buffalo-box, water meter, and information on selecting contractors for the owner's lead service line replacement, to each owner voluntarily replacing the full lead service line at no cost to the owner.

(2) the permit fees and certain costs necessary to perform the full lead service line replacement, including permits and costs from the Department of Water Management, the Department of Transportation, and the Department of Buildings, shall be waived in an aggregate amount not to exceed \$3,100.00. The Commissioners of Water Management, Transportation, and Buildings shall jointly issue rules specifying the types of permits, permit fees, and costs which may be waived.

11-12-920 Equity LSLR Program.

(a) A Property that is the primary residence of a homeowner applicant whose maximum annual income is no more than 80 percent of area median income, as that term is determined by HUD, shall be eligible for the Equity LSLR Program. Notwithstanding any ordinance to the contrary, a homeowner with a debt due and owing to the City may participate in the Equity LSLR Program.

b) The Commissioner of Water Management is hereby authorized, subject to availability and appropriation of funds, to:

(1) negotiate and enter into agreements, including grant agreements, with homeowners, and to enter into and execute all such other related instruments and to perform any and all related acts as shall be necessary or advisable in connection with implementing the Equity LSLR Program.

(2) fund the replacement of full lead service lines.

(3) provide a buffalo-box and water meter to each Equity LSLR Program qualified homeowner for the Property.

18-29-501.3 Drain valves. Each heated water storage tank shall be provided with a sludge drain pipe which shall be connected at the lowest level of the bottom section of the tank. This drain shall be provided with a control valve with a clear waterway equal to the area of the sludge drain pipe, and shall discharge through an indirect connection into the drainage system of the building. Drain valves shall conform to ASSE 1005.

18-29-501.4 Location for access. Water heaters and storage tanks shall be located and connected so as to provide access for observation, maintenance, servicing and replacement.

18-29-501.5 Water heater labeling. All water heaters shall bear the label of an approved agency. Listing by Underwriters Laboratories, American Gas Association (AGA), National Board of Boiler and Pressure Vessel Inspectors, or the ASME Standard to which it was constructed, shall constitute evidence of conformance with these standards

18-29-501.6 Tankless water heaters. The temperature of water from tankless water heaters shall be a maximum of 140F (60C) when intended for domestic uses. This provision shall not supersede the requirement for protective shower valves in accordance with Section § 18-29-424.4.

18-29-501.6.1 Coils. Indirect, external, tankless or submerged coils used in heating water shall be equipped with a thermostatic mixing valve or valves when not connected to a storage tank. A pressure relief valve or expansion tank shall be installed on the cold water inlet to the heater. A temperature and pressure relief valve shall be installed on the tempered line with the temperature sensing element immersed in the tempered water pipe as close as possible to the mixing valve.

18-29-501.7 Pressure marking of storage tanks. Storage tanks and water heaters installed for domestic hot water shall have the maximum allowable working pressure clearly and indelibly stamped in the metal or marked on a plate welded thereto or otherwise permanently attached. Such markings shall be in an accessible position outside of the tank so as to make inspection or reinspection readily possible.

18-29-501.7.1 Water heaters of 200,000 BTU input per hour or more and storage tanks of 120 gallons (454 L) capacity or more shall be constructed in accordance with ASME Boiler and Pressure Vessel Code, Section IV.

18-29-501.8 Temperature controls. All hot water supply systems shall be equipped with automatic temperature controls capable of adjustments from the lowest to the highest acceptable temperature settings for the intended temperature operating range. Multiple temperature hot water supply systems shall be provided with thermostatic mixing valves to control the desired temperatures.

18-29-501.8.1 Instantaneous water heaters. Direct fired instantaneous water heaters shall be equipped with a thermostatic mixing valve or valves. A pressure relief valve shall be installed on or adjacent to the heater. A temperature and pressure relief valve shall be installed on the tempered line with the temperature sensing element immersed in the tempered water pipe as close as possible to the mixing valve.

18-29-501.9 Heat exchangers. Heat exchangers using a toxic transfer fluid or having conditioning chemicals in the system shall be separated from the potable water by double wall construction. There shall be an air gap open to the atmosphere between the two walls. No heat exchanger will be permitted on any boiler system operating in excess of 65 psi (448.2 kPa), or high temperature hot water system operating in excess of 250F (121C), or any steam boiler operating with a pressure in excess of 50 psi (344.75 kPa), unless:

The heat exchanger is double-walled;

The heat exchanger has an air gap open to the atmosphere between the two walls; and

The heat exchanger has a pressure gradient monitor system with a fail-safe to off switch installed to isolate the heat exchanger from the potable cold or hot water system. If pressure on the potable water side reaches less than 20 psi (137.9 kPa) above the pressure of the transfer fluid or steam, and a pressure reducing valve is installed on the inlet to the heat exchanger with a setting of 20 psi (137.9 kPa) lower than the potable water pressure at the heat exchanger, an audible alarm shall be activated and the heat exchanger shall be automatically shut off until the alarm and the heat exchanger can be reset manually. Any boiler using toxic chemicals shall have a label with a minimum size of 5 inches by 5 inches (125 mm by 125 mm) attached to the boiler in a conspicuous place. The label shall read as follows:

I was asked a question at a meeting last week.

Question; if a Plumber holds a State License and a City of Chicago License can he sponsor four apprentices?

(225 ILCS 320/) Illinois Plumbing License Law.

(c) No licensed plumber shall sponsor more than 2 licensed apprentice plumbers at the same time. If 2 licensed apprentice plumbers are sponsored by a plumber at the same time, one of the apprentices must have, at a minimum, 2 years experience as a licensed apprentice. No licensed plumber sponsor or his or her agent may supervise 2 licensed apprentices with less than 2 years experience at the same time. The sponsor or agent shall supervise and be responsible for the plumbing performed by a licensed apprentice.

(d) No agent shall supervise more than 2 licensed apprentices at the same time.

(e) No licensed plumber may, in any capacity, supervise more than 2 licensed apprentice plumbers at the same time.

(f) No approved apprenticeship program may sponsor more licensed apprentices than 2 times the number of licensed plumbers available to supervise those licensed apprentices.

(g) No approved apprenticeship program may sponsor more licensed apprentices with less than 2 years experience than it has licensed plumbers available to supervise those licensed apprentices.

(h) No individual shall work as an apprentice plumber unless he or she is properly licensed under this Act. The Department shall issue an apprentice plumber's license to each approved applicant.

(i) No licensed apprentice plumber shall serve more than a 6 year licensed apprenticeship period. If, upon completion of a 6 year licensed apprenticeship period, such licensed apprentice plumber does not apply for the examination for a plumber's license and successfully pass the examination for a plumber's license, his or her apprentice plumber's license shall not be renewed.



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Repair Kit for ¾"-1" 975XL

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Ames 7010046 – 2 ½"-10" Total Relief Valve Kit for a C/M 400/C500

Kit Includes: Complete RV with 36" Hose, RV O-Ring and Lube



Ames 7010097 – First Check Assembly 2 ½"-4" for Ames 2000/3000SS

Kit Includes: 1st Check Assembly, O-Ring and Lube

Ames 7010114 –Relief Valve Kit 2 ½" -10" for 4000SS RP and 5000SS RPDA

Kit Includes: Complete Relief Valve Assembly, Relief Valve O-Ring, Lube

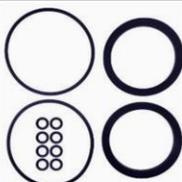


Watts: 0794090 – Complete Total Rubber Kit 4" for 909 RP; *Lead Free* (Previously 0887751)

Kit Includes: Check Disc, Cover O-Ring, Sleeve O-Ring, Piston O-Ring, RV Disc Assembly, Diaphragm, Piston

RK 4-350
4" 350AST, 4" 375AST

Kit Includes: (2) Check Disc Rubber, (2) Cover O-Ring, (8) Bolt O-Ring, Lube



Apollo-Conbraco: 40-004-A1 – ¾"-1" Major Repair Kit for 40-200 RP

Kit Includes: RV Bushing, RV Stem, Diaphragm Plate, (2) Poppet, RV Diaphragm, RV Seat Disc, (2) Check Seat Disc, Stem O-Ring, Bushing O-Ring, (2) Check Cap O-Ring, RV Spring, (2) Screw, (2) Retaining washier, (2) Check Seat, (2) O-Rings, RV Seat, RV O-Ring



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