

NOVEMBER 2023



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NOVEMBER, 2023

PUBLISHED BY: GARY W. HOWARD

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AMERICAN SOCIETY OF SANITARY ENGINEERING ILLINOIS CHAPTER

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“Mother Natures Way to Purify Water is Aeration”

Metropolitan Water Reclamation District of Greater Chicago Aeration System at 115th S. Harlem Ave
Worth. Pumps water up to a pond and allows it to water fall back into the Cal-Sag Canal



NOVEMBER 7, 2023

Third and last POSTING

To the Membership of the American Society of Sanitary Engineering Illinois Chapter,

I am writing to the membership today due to lack of attendance and participation in meetings and votes for certain Board Members and Officers of ASSE Illinois Chapter who have missed several Board meetings called by President Gary W. Howard. Members have not responded via email for over 12 consecutive months.

The Board/Committees has been able to achieve a quorum at these meetings in order to conduct necessary business

To the following members you may have several options for how to proceed.

1. Cristina Barillas
2. Kevin Phipps
3. Randy Olsen
4. Don Yurkovich
5. Jones Richmond
6. Ron Hackiewicz
7. Mike Ponx
8. Ciro Gaimari
9. Robert Ferrell
- 10 Michael McGaughan

These are:

- Resign- this can be done with a simple email message to ilchapterasse@gmail.com
- Respond and make a case for why you have been absent and how you will be able to actively participate in the future.

If you don't do any of the options by November 30, 2023 I will request that the Executive Committee of ASSE Illinois Chapter act at the December 2023 Board Meeting to remove you from the Board or as an Officer.

Leaving you position as a Board Member or as an Officer does not mean that you are unable to participate further. You can attend any meeting as a guest, you will have to inform the President via email ilchapterasse@gmail.com

I appreciate your past service but I think all can understand that in order for the committees to function. I must act to remove inactive members. I look forward to your decision.

The Committee has appointed; **Kevin Sherlock** to become 2nd. Vice President When Joe Sowa is sworn in as President of the ASSE Illinois Chapter.

The Committee has appointed **Denis Riordan** as Sergeant-At-Arms

Yours Truly,

Chair Gary W. Howard



Plumbers' JAC Local 130, UA will be accepting applications online only for admission to the Plumbing Apprenticeship Program starting November 13, 2023 through February 16, 2024 OR the first 2,000 submissions, whichever occurs first.

Application available at: www.apply.jac130.org

For Questions: (312) 421-1028

REGISTRATION FEE: \$50.00 NON-REFUNDABLE

Methods of Payment:

1. MasterCard, Visa, Discover or AMEX (only)

Optional: If you wish to purchase the Test Taking Tip Book for \$20.00 following submission of your application online you will have access to a link to purchase and download a digital copy of the Test Taking Tips from a Third-Party Vendor.



REQUIREMENTS: You must have the following items to successfully submit your online application:

- Completed Application
- Upload a copy of your valid driver's license
- Upload a copy of your Birth Certificate or Valid U.S. Passport
- Upload proof of Completion of High School in **ONE** of these formats:
 - High School Diploma* OR High School Transcripts* that include your graduation date OR
 - GED Certificate
 - Veterans DD214
- \$50.00 non-refundable application fee



- Uploads must be in .pdf format

QUALIFICATIONS:

1. Must read, write and speak the English language
2. Must have a High School Diploma* or GED equivalent
3. Pass an aptitude test
4. Pass a drug screen
5. Pass a physical exam
6. Pass an agility test
7. Applicants must always possess a valid driver's license
8. Must be at least 18 years of age (Applicants who are 17 years of age may apply provided he or she will be 18 years of age prior to being registered by the JAC)
9. *High School Seniors may apply but must submit a letter from their High School stating they are on track to graduate and including transcripts to date.



THERE ARE NO EXCEPTIONS TO THESE REQUIREMENTS AND QUALIFICATIONS BUT THEY ARE SUBJECT TO CHANGE.

PLEDGE OF EQUAL OPPORTUNITY IN APPRENTICESHIP

The Trust Fund for Apprentice and Journeyman Education and Training, Local 130 UA will not discriminate against apprenticeship applicants or apprentices based on race, color, religion, national origin, sex (including pregnancy and gender identity), sexual orientation, genetic information, or because they are an individual with a disability or a person 40 years old or older. The Trust Fund for Apprentice and Journeyman Education and Training, Local 130 UA will take affirmative action to provide equal opportunity in apprenticeship and will operate the apprenticeship program required under Title 29 of the Code of Federal Regulations, part 30.





ASSE Illinois Chapter wishes to Thank Dustin Kman from M&O Insulation 8905 W.187th ST. STE.200 Mokena, IL. 60448 for the information below.

THE AMERICAN SOCIETY OF SANITARY ENGINEERING ILLINOIS CHAPTER THANKS LOCAL UNION 17 FOR THE DEDICATION TO ENERGY SAVING WITHIN THE MECHANICAL & BUILDING INDUSTRY.

ABOUT HEAT & FROST INSULATORS Celebrating 125 years

Insulation around a building's heating and cooling system is a vital resource that protects a facility from energy loss and physical damage. It saves energy immediately and pays for itself fast. It's a game changer. For more than 125 years, the energy conservation specialists of Heat & Frost Insulators have worked on the front line in building a safer, healthier, greener, and more efficient world. We serve Chicagoland, Peoria, and Northwest Indiana.

For over 125 years, the vital work of the International Association of Heat and Frost Insulators and Allied Workers has saved energy, saved money, and saved lives. The greater Illinois and Indiana Heat & Frost Insulators are meeting the growing demands of the modern world by helping clients save both energy and money.

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ASSE MOTTO "PREVENTION RATHER THAN CURE"

"WORKING WELL WITH OTHERS"

In this month's newsletter I would like to thank the membership and our Executive Board for supporting me as your President for these past years. It has been an honor to represent every one of the Illinois Chapter of the American Society of Sanitary Engineering, while also being you representative at the Mid-Year and Annual ASSE International meetings.

I thank each and every one of you for the support you empowered me.

Now I would like to ask for the help of all of you with respect to the Plumbing trade here in Illinois. If there is anyone you know who wishes to earn a good living and support a family, and doesn't want to attend a college then please explain to them about plumbing as a skill. Explain to them that 90% of plumbing is installing new plumbing and the service workers are the ones that deal with the dirty part of plumbing.

As some of you may know there is a shortage of skilled workers across the world. Local Union 130 along with all the other Plumbing Unions here in Illinois do have a shortage of applicants into our apprenticeship program. The United Association and the Plumbing Unions in Illinois has an impressive history of science, engineering, innovation, physics, and application in the plumbing industry. In today's market it is a struggle to retain its technical and mechanical talent that is needed to move the plumbing industry forward. We as members of the highly skilled work force cannot stay stagnate in the industrial-age institutions that leverage technology ineffectively rather than as twenty-first century organizations, where technology will be managed like a strategically asset. In retrospect to modernize and compete the Plumbing industry enterprise must invest in people which includes technical talent by proactively denominating retention barriers and adopting a relaxed approach to talent management. "If we believe we will have the right person in the right job at the start of a project we will have a great advantage of doing the job right the first time and doing it in a professional manner"

Our modern apprenticeship programs are increasingly shaped by technology. We must build stronger relationship with Plumbing Engineers, Architects, Engineers, Designers, Project Managers, General Contractors, Product Designers, Etc. What we need to look at from the federal government is a National Plumbing License Law for every state. The Federal Government should have employ representatives from the industry to consult on a Bill by Bill bases on how to develop a National Plumbing License Law. The State of Illinois has one if not the strongest Plumbing License Law in the world.

The UA unions may wish to recruit and retain a Science, Technology, Engineering, and Math Professional with at least five years out of college with a minimum of a Master's degree to:

- To improve decision quality and leverage data;
- Review current science and technology research;
- Upgrade design and develop certain types of individual systems within the industry (e.g. reference architects, P.E.s, for major changes in a specific code);
- Purchase for the apprenticeship training facilities the most up to date Computer Aided Design software programs for plumbing and Construction;
- Increase the enhancement of thought across the Plumbing industry:

If our data systems keeps up with Moore's Law we will be okay!

When the United Association has a common cause with others such as civilian talent, Canadian Building Trades, Canadian Standards and Codes, International Association of Plumbing and Mechanical Officials, American Society of Sanitary Engineering, Australis's Building and Plumbing Industries, American with Disabilities Act, Environmental Protection Agency, Product Manufactures, among many others they the U.A. stand along with one community of knowledge. Clearly there is more knowledge required for the future of our industry. We need to outline the potential barriers to civilian talent retention across the industry. We also should develop an approach to assigning professionals of the industry to sit on committees and travel to others parts of the country/world to understand The entire scope of the plumbing systems. This holds true for all pipe trades

When an Apprentice leaves this building and starts his or her next day on a job site you can trust they are the best trained personnel you can have. They have one day a week in the classroom and the rest of the week under a Journeyman Plumber watchful eye for onsite training. Onsite is where they learn the hands on training. So when I hear that the Apprenticeship program is not doing enough to train our apprentices, I simply say well who has more time with them to train them.



Some Codes An Illinois Plumber/Plumbing Inspector Has To Know, Among others

United Access Board (ADA)	SUBCHAPTER r: WATER AND SEWAGE PART 910 FIELD SANITATION CODE SECTION 910.40 DRINKING WATER FACILITIES	SCHOOLS (105 ILCS 5/) School Code. (105 ILCS 5/Art. 14 heading) ARTICLE 14. CHILDREN WITH DISABILITIES
DEPARTMENT OF JUSTICE Office of the Attorney General 28 CFR Part 38 [Order No. 2042 - 96] ARCHITECTURAL AND TRANSPORTATION BARRIERS COMPLIANCE BOARD 36 CFR Part 1191 [Docket No. 94-2] RIN 3014-AA17 Americans with Disabilities Act Accessibility Guidelines for Buildings and Facilities; Children's Facilities AGENCIES: Architectural and Transportation Barriers Compliance Board and Department of Justice.	SUBCHAPTER s: MIGRANT LABOR PART 935 MIGRANT LABOR CAMP CODE SECTION 935.65 REQUIRED SANITARY FACILITIES	SUBCHAPTER q: MOBILE HOMES PART 870 MANUFACTURED HOME INSTALLATION CODE
ANSI/AWWA C651-14 (Revision of ANSI/AWWA C651-05)	SUBCHAPTER r: WATER AND SEWAGE PART 925 ILLINOIS WATER WELL PUMP INSTALLATION CODE	HEALTH FACILITIES AND REGULATION (210 ILCS 117/) Abandoned Mobile Home Act
Guidelines for Environmental Infection Control in Health-Care Facilities	SUBCHAPTER r: WATER AND SEWAGE PART 915 WATER WELL AND PUMP INSTALLATION CONTRACTOR'S LICENSE CODE SECTION 915.40 SUPERVISION	SUBCHAPTER q: MOBILE HOMES PART 860 MANUFACTURED HOME COMMUNITY CODE
Emergency Management Strategies: High Volume Patient Decontamination	SUBCHAPTER n: RECREATIONAL FACILITIES PART 800 RECREATIONAL AREA CODE	PUBLIC SAFETY (430 ILCS 115/) Illinois Modular Dwelling and Mobile Structure Safety Act.
Illinois Energy Conservation Code (20 ILCS 3125/15)	SUBCHAPTER n: RECREATIONAL FACILITIES PART 810 YOUTH CAMP CODE	HEALTH FACILITIES AND REGULATION (210 ILCS 115/) Mobile Home Park Act.
Chapter I: Department of Public Health Subchapter m: Food, Drug and Cosmetics Part 750 Food Code	SUBCHAPTER b: HOSPITAL AND AMBULATORY CARE FACILITIES PART 205 AMBULATORY SURGICAL TREATMENT CENTER LICENSING REQUIREMENTS	Regulation of Factory Built Structures in Illinois
SUBCHAPTER r: WATER AND SEWAGE PART 920 WATER WELL CONSTRUCTION CODE SECTION 920.90 CONSTRUCTION MATERIALS AND OTHER REQUIREMENTS	PART 830 STRUCTURAL PEST CONTROL CODE SECTION 830.1100 PROTECTION OF POTABLE WATER SUPPLIES	SUBCHAPTER r: WATER AND SEWAGE PART 900 DRINKING WATER SYSTEMS CODE SECTION 900.20 GENERAL REQUIREMENTS
Food Code ; 2017 Recommendations of the United States Public Health Service Food and Drug Administration	SUBCHAPTER n: RECREATIONAL FACILITIES PART 820 SWIMMING FACILITY CODE	PART 892 LAWN IRRIGATION CONTRACTOR AND LAWN SPRINKLER SYSTEM REGISTRATION CODE SECTION 892.25 PROVIDERS OF LAWN SPRINKLER DESIGN AND INSTALLATION COURSES
SUBCHAPTER q: MOBILE HOMES PART 860 MANUFACTURED HOME COMMUNITY CODE	Part 518 - FREESTANDING EMERGENCY CENTER Code	SUBCHAPTER r: WATER AND SEWAGE PART 895 PUBLIC AREA SANITARY PRACTICE CODE
SUBCHAPTER r: WATER AND SEWAGE PART 925 ILLINOIS WATER WELL PUMP INSTALLATION CODE SECTION 925.40 PUMP INSTALLATION	SUBCHAPTER r: WATER AND SEWAGE PART 905 PRIVATE SEWAGE DISPOSAL CODE SECTION 905.60 SUBSURFACE SEEPAGE SYSTEM CONSTRUCTION REQUIREMENTS	FEMA Design and Construction Guidance for Community Safe Rooms
NUCLEAR SAFETY (420 ILCS 46/) Illinois Radon Awareness Act.	SUBCHAPTER f: EMERGENCY SERVICES AND HIGHWAY SAFETY PART 518 FREESTANDING EMERGENCY CENTER CODE	Environmental Barriers Act and the Illinois Accessibility Code covers:
	HEALTH FACILITIES AND REGULATION (210 ILCS 85/) Hospital Licensing Act.	State of Illinois Food and Sanitation Code
	(410 ILCS 650/) Sanitary Food Preparation Act	Subchapter b: hospitals and ambulatory care facilities Part 250 hospital licensing requirements

United States Environmental Protection Agency
Drinking Water Requirements for States and Public Water Systems
Lead in Drinking Water in Schools and Childcare Facilities

SUBCHAPTER c: LONG-TERM CARE FACILITIES
PART 340 ILLINOIS VETERANS' HOMES CODE

SUBCHAPTER b: ACCESSIBILITY STANDARDS
PART 400 ILLINOIS ACCESSIBILITY CODE
SECTION 400.APPENDIX A ILLINOIS ACCESSIBILITY CODE

Americans with Disabilities Act and Architectural Barriers Act
Accessibility Guidelines

SUBCHAPTER c: LONG-TERM CARE FACILITIES
PART 300 SKILLED NURSING AND INTERMEDIATE CARE FACILITIES CODE

American Water Works Association
ANSI/AWWA C651-14
Disinfecting Water Mains

SUBCHAPTER r: WATER AND SEWAGE
PART 905 PRIVATE SEWAGE DISPOSAL CODE
SECTION 905.60 SUBSURFACE SEEPAGE SYSTEM CONSTRUCTION REQUIREMENTS

(410 ILCS 35/) Equitable Restrooms Act

SUBCHAPTER c: LONG-TERM CARE FACILITIES
PART 295 ASSISTED LIVING AND SHARED HOUSING ESTABLISHMENT CODE

(410 ILCS 655/) Safe Bottled Water Act.

SUBCHAPTER p: HAZARDOUS AND POISONOUS SUBSTANCES
PART 845 LEAD POISONING PREVENTION CODE

SUBCHAPTER r: WATER AND SEWAGE
PART 920 WATER WELL CONSTRUCTION CODE
SECTION 920.100 FINISHING AND TESTING

SUBCHAPTER m: FOOD, DRUGS AND COSMETICS
PART 730 MANUFACTURING, PROCESSING, PACKING OR HOLDING OF FOOD CODE

SUBCHAPTER r: WATER AND SEWAGE
PART 892 LAWN IRRIGATION CONTRACTOR AND LAWN SPRINKLER SYSTEM REGISTRATION CODE
SECTION 892.30 LICENSED PLUMBERS RESPONSIBLE FOR INSTALLATION OF LAWN SPRINKLER SYSTEM

SUBCHAPTER m: FOOD, DRUGS AND COSMETICS
PART 785 MANUFACTURED DAIRY PRODUCTS

SUBCHAPTER r: WATER AND SEWAGE
PART 900 DRINKING WATER SYSTEMS CODE



**The Illinois Chapter of the American Society of Sanitary Engineering “Works Well With Others”.
Local Inspectors, State Inspectors, City of Chicago Inspectors, Contractors, Architects, Engineers.**

ASSE Illinois Chapter wishes to thank all of our sponsors for advertising in the monthly newsletter, which is sent to all the International Chapters of IAPMO/ASSE. We appreciate each and every one of you.

INTELLIGENT OIL DETECTION

The IntelliOil, an intelligent oil-sensing control system, is designed to help protect the environment and equipment from the dispersion of oil and hydrocarbons in elevator pit applications. Our complete system solutions for elevator pits and vaults include packaged pump systems. We can customize a complete package that is tailor-made to meet the unique specifications of each project.

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- 4. FLOAT SWITCH**
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Typical Installation Diagram

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- 3 different models
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In the spirit of friendship and cooperation, the Illinois Chapter of the American Society of Sanitary Engineering (ASSE) and the Plumbing Contractors Association of Greater Chicago (PCA) are both proud to represent and serve the skilled and dedicated professionals in our industry. To make up for a few advertisements that were missed in recent issues due to an unintentional oversight, our ASSE Chapter is pleased to run this expanded version of the PCA's ad.



PCA of Greater Chicago

Advocacy and support you can count on.

The ***Plumbing Contractors Association*** (PCA) represents and serves UA Local 130 signatory plumbing contractors in Chicago and Northern Illinois (17 counties) with quality resources, education, advocacy, safety, networking, and much more – led by a dedicated volunteer contractor board and a full-time staff.

The PCA (and ***Plumbing Council***) provides our members with an array of practical services and benefits, so contractors can focus on best serving their customers. Since 1882, the PCA has shown that “none of us is as strong as all of us.” As the only local plumbing contractors’ association affiliated with and active in the National and State PHCC; MCAA; IMSCA; CISCO; and UAC, the PCA is a united voice for our industry.

Contactors and consumers (for “Find a Plumber” referrals) may visit: www.pcaofchicago.com; phone 312-563-9526; or email: sj@pcaofchicago.com. PCA: 603 Rogers Street, Suite 2, Downers Grove IL 60515

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If any member wishes to have anything published in the newsletter please forward it to me ilchapterasse@gmail.com with exception of an ad, if you wish to have an ad please contact Joe Sowa at retaw130@aol.com.

We would be happy to print your story in our newsletter, whether it be about your Military, family member attending college, anniversary, accomplishments, projects you are or have worked on, etc. pictures are always welcome.



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The PCA Greater Chicago represents and promotes UA Local 130 signatory plumbing contractor in Northern IL. (17 counties) with top quality service, education, advocacy, safety and peer to peer networking second to none. The PCA is the only local plumbing contractor association affiliated with the MCAA, PHCC, CISCO, & IMSCA. To find and hire one of our reputable contractors for 24 hr. emergency service or for residential, commercial, municipal and industrial jobs, call 1-800-76-VALVE or visit pcaofgreaterchicago.org or plumbingcouncil.org 603 Roger St. Ste. 2 Downers Grove IL 60515 312-503-9526



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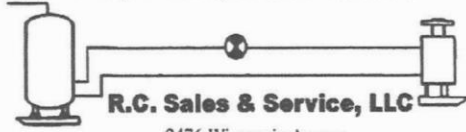
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Ames 7010046 – 2 ½"-10" Total Relief Valve Kit for a C/M 400/C500

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

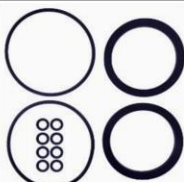


Watts: 0794090 – Complete Total Rubber Kit 4" for 909 RP; *Lead Free* (Previously 0887751)

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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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CEU Registration Form 2020

Name: _____

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Email: _____

Billing Address: _____

City: _____ State: _____ Zip: _____

Credit Card Number: _____

Expiration Date: _____ / _____ CCV: _____

Please CHECK which class you would like to attend:

All classes will be from 5pm – 9pm with Dinner included

BACKFLOW REPAIR COURSE \$85

This course is focused on refreshing the Cross Connection Tester on testing procedures as well as hands on repairs for approved assemblies for the state of Illinois. During this class we will be going over our NEW mechanical wall, show you how water pressure fluctuations affect backflow assemblies, how to remedy the situation and be able to see it in a live setting. Also new this year is the Flood Control Integrated System by Wilkins; this system can be designed to shut off a specific water line when a backflow goes into a full dump situation.

- Thursday, January 16th
- Thursday, February 27th
- Thursday, April 2nd
- Thursday, January 30th
- Tuesday, March 3rd
- Thursday, April 16th
- Thursday, February 13th
- Tuesday, March 17th
- Thursday, April 30th

NEW!! LARGE BACKFLOW REPAIR (SMALL GROUP) - Max 12 attendees per class \$125 per person

Small group backflow repair class. Classes will consist of 3 individual groups working with an individual instructor to do hands on testing, diagnosis, and repair of large backflow assemblies only. The repair class will involve repairing of the following backflow assemblies:

- 4" Febco 825YD
- 3" Watts 009
- 4" Wilkins 375AST
- 4" Ames 4000SS
- 8" Ames Maxim 400
- 3" Watts 909

- Tuesday, January 21st
- Tuesday, February 18th
- Thursday, March 26th
- Tuesday, February 4th
- Thursday, March 12th
- Tuesday, April 7th
- Tuesday, April 21st

Location: Test Gauge, Inc. | 1051 E Main St, Unit 107 | East Dundee, IL 60118

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