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May 2023

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*HAPPY MOTHER'S DAY*

Every year I pick up the phone on Mother's Day and call the same number I use to call when I could speak to Mom.

I couldn't send her flowers for her to smell and display somewhere in the house. Although she lived in another State I felt her heart beating as if she was standing right beside me. No one every answered the phone, except a recording that the number I was calling was no longer in service. I think back to a time when I was a child watching her plant flowers around the home we once lived in with our family. When I done something wrong she would say wait until your father comes home, but sometimes my father never knew about the trouble I caused. I have made mistakes during my life but I never forgot about my mother's love and my love for her. I reach out to her in my mind quite often.

Thank you for all the exceptionally, extraordinary, challenges you guided me through in my life. Happy Mother's Day, I love you dearly

## **“WORKING WELL WITH OTHERS”**

I anticipate we all can remember a time years ago when our Societies, Unions, Organizations, Programs etc. began. We all look back with the understanding of how our fore fathers had the ambition taking on the task of starting out and understanding where we were headed in the future. What those meeting were like in the beginning is what I speak of all the time now. **“Working Well With Others”**. The fore fathers had to meet not only with those in their specific trade but with other that needed to be included on the education of what was to be included in building their organization. It occurred to me that a simple reference on what was to be noted on the startup was not quit enough information to begin at a meeting, they needed more information from others. Imagine how many meetings they had to have before they had to present it to their specific State for acceptance to become a Bill to a Law to a Statute. Here is how that process would have taken place in the early days. After a Bill was introduced in either the Senate or the House of Representatives it is passed by that chamber of origin, it is engrossed and forwarded as An Act to other chambers for consideration. When passed by the other chamber, it was documented and forwarded to the President. The Act shall be approved by the President or if vetoed, then two-thirds of the Senate and the House of Representatives.

The terms Act, Law and Statute are interchangeable. After approval Statutes are forwarded to the Law Revision Counsel in the House for review in preparation for printing and dissemination to the public. **“Working Well With Others”** to move things forward step by step is the way organizations become bigger and bigger. Before any organization moves forward with business they shall create a set of By-Laws designed for their specific needs. This process will take some doing from the Board Members, and possibly an attorney. A great additions to our programs is when women became interested, and were welcomed with open arms.

## ***United States Sanitary Commission***

Following the First Battle of Bull Run, volunteers from the Women's Central Association of Relief (WCAR) of New York witnessed the government's lack of sanitation and medical supplies. WCAR President Henry W. Bellows had traveled to Washington, D.C., intending to discuss matters regarding his organization. Meeting with Secretary of War Simon Cameron shortly after Bull Run, he instead discussed creating a Washington, D.C. organization that would provide advice and assistance to the Union military regarding medical care and general welfare. The organization would become the U.S. Sanitary Commission, approved by President Abraham Lincoln on June 13, 1861.

The U.S. Sanitary Commission, the only civilian-run organization recognized by the federal government, would serve as the focal point for civilian assistance to the military. U.S. Sanitary Commission volunteers advised on the physical and mental health of the military, assisted in the organization of military hospitals and camps, and aided in the transportation of the wounded. They distributed medical supplies, food, and clothing where needed. All of this was accomplished at no cost to the government, thanks to donations and fundraising activities.

Led by an executive board overseeing inspectors and field agents, U.S. Sanitary Commission branches in larger cities coordinated the efforts of local aid societies. Some existing regional aid societies, including the WCAR, would serve under the U.S. Sanitary Commission. Not everyone liked the idea of taking orders from Washington. Some organizations continued to function more or less independently, such as the U.S. Christian Commission which provided relief to both sides. On July 4, 1865, the U.S. Sanitary Commission ended its work. The last official act was the publication of its history in 1866.



U.S. Sanitary Commission Lodge, 1863  
Alexandria, Virginia

U.S. Sanitary Commission lodge at Convalescent Camp, Alexandria, Virginia, 1863.



**Jane Currie Blaikie Hoge  
(1811-1890)**

Hoge was educated at the Young Ladies' College in Philadelphia. At age twenty, she married A. H. Hoge and lived in Pittsburgh before moving to Chicago. When the Civil War began, two of Hoge's sons enlisted, and Hoge engaged in relief work providing supplies. She was soon appointed as a sanitary agent to visit hospitals at Cairo and Mound City, Illinois, and St. Louis, Missouri, and report on their conditions to the U.S. Sanitary Commission. Hoge attended the 1862 Women's Council in Washington, D.C., where she and Mary A. Livermore were appointed associate managers of the Northwestern Sanitary Commission, a branch of the U.S. Sanitary Commission in Chicago. The two women worked together to organize the supply effort, traveled to oversee efforts in the field, and gave speeches to encourage the war effort.

In early 1863, Hoge left Chicago with a large amount of stores intended for Major General William T. Sherman's troops outside of Vicksburg. Instead, her ship, volunteers, and supplies were commandeered by Union Brigadier General Willis A. Gorman for use on his expedition up the White River in Arkansas. Later that spring, Hoge succeeded in taking a ship loaded with supplies to aid to the Union Army at Vicksburg. After the war, Hoge wrote a book, *The Boys in Blue*, about the everyday experiences of soldiers and also continued her charitable works.



**Nurses and officers of the U.S. Sanitary Commission. Picture taken in May of 1864 at Fredericksburg, Virginia. Courtesy Library of Congress**

## **About the Sanitary Commission**

The United States Sanitary Commission was founded in 1861 as the American Civil War began. Its purpose was to promote clean and healthy conditions in the Union Army camps. The Sanitary Commission staffed field hospitals, raised money, provided supplies, and worked to educate the military and government on matters of health and sanitation.

The beginning of the Sanitary Commission is rooted in a meeting at the New York Infirmary for women, with more than 50 women, addressed by Henry Bellows, a Unitarian minister. That meeting led to another at Cooper Institute, and the beginnings of what was first called the Woman's Central Association of Relief.

The Western Sanitary Commission, founded in St. Louis, was also active, though it was not related to the national organization.

Many women volunteered for work with the Sanitary Commission. Some provided direct service at the field hospitals and camps, organizing medical services, acting as nurses, and performing other tasks. Others raised money and managed the organization.

The Sanitary Commission also provided food, lodging, and care for soldiers returning from service. After the end of fighting, the Sanitary Commission worked with veterans in obtaining promised pay, benefits, and pensions.

After the Civil War, many of the women volunteers found work in jobs often previously closed to women, on the basis of their Sanitary Commission experience. Some, expecting more opportunities for women and not finding them, became activists for women's rights. Many returned to their families and to traditional female roles as wives and mothers.

During its existence, the Sanitary Commission raised about \$5 million in money and \$15 million in donated supplies.

## **Women of the Sanitary Commission**

Some well-known women associated with the Sanitary Commission:

- Dorothea Dix
- Clara Barton
- Elizabeth Blackwell
- Mary Livermore
- Louisa May Alcott
- Mary Ann Bickerdyke

## **United States Christian Commission**

The United States Christian Commission also provided nursing care for the Union, with the objective of improving the moral condition of soldiers, incidentally providing nursing care. The USCC passed out many religious tracts and books and Bibles; provided food, coffee, and even liquor to soldiers in the camps; and also provided writing materials and postage stamps, encouraging soldiers to send their pay home. The USCC is estimated to have raised about \$6.25 million in money and supplies.

## **No Sanitary Commission in the South**

While women of the South often sent supplies to help the Confederate troops, including medical supplies, and while there were nursing efforts in the camps, there was no organization in the South of any similar effort comparable in objective and size to the US Sanitary Commission. The difference in death rates in the camps and the ultimate success of the military efforts was certainly influenced by the presence in the North, and not in the South, of an organized Sanitary Commission.

## **Dates of the Sanitary Commission (USSC)**

The Sanitary Commission was created in the spring of 1861 by private citizens, including Henry Whitney Bellows and Dorothea Dix. The Sanitary Commission was officially sanctioned by the War Department on June 9, 1861. Legislation creating the United States Sanitary Commission was signed (reluctantly) by President Abraham Lincoln on June 18, 1861. The Sanitary Commission was disbanded in May of 1866.



## Types of Wrongful Termination in Illinois

There are three main exceptions to the at-will presumption in Illinois, and these exceptions make it illegal for employers to fire an employee for reasons that fall under the following categories:

**Discrimination** – It is against the law for an employer in Illinois to terminate an employment relationship for discriminatory reasons, or because of the employee’s membership in a protected category, such as age, race, religion, sex, national origin or disability. Illinois employees who believe they have been fired on the basis of a protected characteristic may have a wrongful termination claim against their employer.

**Retaliation** – An employee’s termination from employment may be considered wrongful if the employer’s action were in retaliation for the employee engaging in legally proper or necessary activities, such as claiming minimum wage, opposing workplace discrimination, “whistleblowing,” or filing for workers’ compensation. **Violation of public policy also falls under this category, which means Illinois employers cannot legally fire an employee for refusing to perform an illegal act, for reporting a violation of the law, for exercising a statutory right, or for fulfilling certain civic duties.**

**Breach of contract** – If an employee has a written, oral or implied employment contract that promises job security or protects the employee from termination without cause, the employer may have to show proof that the employment discharge is based on job performance, the company’s financial hardship, or another qualifying factor, in order to avoid charges of wrongful termination.



***This is where ASSE Illinois Chapter Past President Denis Riordan starts and finishes his daily work. Denis is the Chief Plumbing Inspector at the Chicago's Water Management Department of the Jardine Water Purification Plant.***

***Denis, Thank you for your dedication and volunteered time to ASSE Illinois Chapter and to the plumbing industry of Chicago which includes your expertise with the Backflow Prevention Program in Chicago.***

The **Jardine Water Purification Plant**, formerly the **Central District Filtration Plant**, is a water filtration plant located at 1000 East Ohio Street, north of Navy Pier in Chicago, Illinois. It draws raw water from two of the city's water cribs far offshore in Lake Michigan and supplies two thirds of City of Chicago consumers in the northern, downtown, and western parts of the city and to many northern and western surrounding suburbs.

The plant was constructed in the 1960s and began functioning in 1968. The plant was renamed after James W. Jardine (1908-1977), a 42-year city employee, who served as water commissioner from 1953 until his retirement in 1973. Shortly thereafter the Ohio Street Beach was formed in the bay created by the plant. Landscaping around the plant and in the adjoining Milton Olive Park was designed by Dan Kiley, and a statue, *Hymn to Water*, by Milton Horn graces the front entrance.

The southern portion of the city and many southern suburbs are served by a separate plant, the Sawyer Water Purification Plant. Together the two plants supply water to about 3 million households in the city and 118 suburbs.

Filtration methods used by the Jardine Water Plant is extraction and adding chemical additives; with the use of sand and gravel to filter the water, while the chemical additives being fluoride to fight off tooth decay, phosphates to avoid corrosion from the pipes, and chlorine for disinfection.

Jardine Plant in Chicago is the largest water treatment plant in the world. Here are some fascinating facts about it: Chicagoans use nearly 1 billion gallons of water a day – enough to fill the Sears Tower two and half times. Lake Michigan is the source of Chicago's water supply.

# BEYOND GRAY WATER: DIRECT POTABLE REUSE FOR RESIDENTIAL BUILDINGS



This is a zoom meeting visit IAPMO [news@iapmo.org](mailto:news@iapmo.org) for registration or [enrique.gonzalez@iapmo.org](mailto:enrique.gonzalez@iapmo.org)

Date: May 24, 2023

Time: 9 am PST (one hour) 11:00 AM Central Time

Location: Online

## FREE for ASSE Members

**Description:** Access to potable water is one of the major challenges of climate change. Water reuse in buildings is evolving far beyond simple gray water for toilet flushing and irrigation. New upcoming regulations will allow for direct potable reuse for residential buildings. What would that look like - is it really feasible? How do we determine a sound water reuse strategy that saves and reuses all the water we use? What technologies and regulations are available today and what is just around the corner?

### INSTRUCTOR BIO:



Dr. Markus Lenger, a water physicist, is CEO and Co-founder of CleanBlu Corporation, which is dedicated to inspiring an environmental revolution in wastewater management. During his 35-year career in wastewater has developed, patented and marketed the CleanBlu FOG-DS, an at-source, in-situ FOG Disposal Reuse System allowing for the first time commercial food service establishments to

reuse their kitchen waste water. A voting member of the IAPMO WE-Standard (Water Efficiency Standard) committee, a voting ASME plumbing code member as well a board member of ARCSA (American Rainwater Catchment Association). Markus pioneered new wastewater treatment and water reuse systems around the globe. He also designed the water reuse system for the renown ReNEWW house and a black water reuse system for the Navajo Indian Nation. More recently, Markus has designed and developed water reuse control systems, integrating open source IoT software and his own custom controllers, all while establishing a full in-house production and manufacturing facility in Orange County, CA.

## HUD's Office of Fair Housing/Equal Opportunity to Provide Training on The Design and Construction Requirements of the Fair Housing Act: Technical Overview Part 2

The U.S. Department of Housing and Urban Development's (HUD) Office of Fair Housing/Equal Opportunity will provide a virtual training on the design and construction requirements of the Fair Housing Act (FHA) on **May 16, 2023** from **10:00 – 11:30**

**a.m.** and **2:00 – 3:30 p.m. (ET)**. This session will provide an overview of the technical standards and specifications that meet the accessibility requirements of the FHA. Presenters will discuss the history of the FHA, scoping and coverage standards for FHA compliance, the seven design and construction technical requirements, and practical knowledge for application. Presenters will also offer resources to aid in compliance for accessibility.

The training session is intended for stakeholders in the design and construction industry, but all stakeholders are encouraged to attend to acquire a greater understanding of the accessibility requirements of the FHA.

The training session is free, but registration is required on HUD's Accessibility First Training [The Design and Construction Requirements of the FHA: Technical Overview Part 2 registration webpage](#). Questions and comments may be submitted on the session's registration page. For more information, contact [FairHousingFirst@hud.gov](mailto:FairHousingFirst@hud.gov).





Dear Friends and Neighbors:

The Spring 2023 legislative session is well underway. It has been a busy session to date. For details on my full legislative agenda, please see below. As a member of the Reproductive Justice and *Dobbs* Decision working group, I continue working to ensure access to reproductive healthcare in Illinois. I am sponsoring two bills that address the intersections between data privacy and reproductive privacy. In a post-Roe country, Illinois has become a refuge for those seeking abortions and gender-affirming care.

As Chair of the House Energy & Environment Committee, I continue to work with colleagues and advocacy organizations to effectively implement the Climate & Equitable Jobs Act (CEJA). We are currently considering legislation to ensure infrastructure development for EV charging, programs for offshore wind and geothermal development, utility affordability and access, and environmental justice legislation. See below for my remarks from a recent press conference on the People's Utility Rate Relief (PURR) Act (HB2127).

Despite the busy session, my staff and I have been out in the community at several recent events. Please don't hesitate to contact my staff if you have an upcoming community event you'd like us to promote or attend. We look forward to seeing you in the neighborhood!

As always, please stay in touch with our office and reach out with any questions, concerns or feedback. You can reach me directly at [ann@repannwilliams](mailto:ann@repannwilliams) or (773) 880-9082. My staff and I are here to assist.

*Ann M. Williams*

Ann M. Williams

State Representative - 11th District

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.

## INTELLI 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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- 3. OIL SENSING PROBES**  
If probes lose contact with water (oil presence), the system turns off the pump to ensure no oil gets pumped out, and an audible alarm will sound to notify the presence of oil in the pit.
- 4. FLOAT SWITCH**  
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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](http://www.pcaofchicago.com); phone 312-563-9526; or email: [sj@pcaofchicago.com](mailto: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](mailto:ilchapterasse@gmail.com) with exception of an ad, if you wish to have an ad please contact Joe Sowa at [retaw130@aol.com](mailto: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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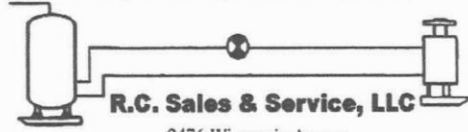
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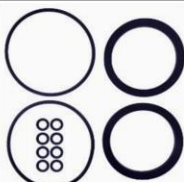


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**Kit Includes:** Check Disc, Cover O-Ring, Sleeve O-Ring, Piston O-Ring, RV Disc Assembly, Diaphragm, Piston

**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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