



Volume 55 Issue 10 for October 2021

Published by: Gary W. Howard

**AMERICAN SOCIETY OF SANITARY ENGINEERING
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SANITATION NEWSLETTER**

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Published in cooperation with members of ASSE, Editor: Gary W. Howard

The Shawnee National Forest is a United States National Forest located in the Ozark and Shawnee Hills of Southern Illinois, United States. Administered by the U.S.D.A. Forest Service, it consists of approximately 280,000 acres of federally managed lands. In descending order of land area it is located in parts of Pope, Jackson, Union, Hardin, Alexander, Saline, and Gallatin, Johnson, and Massac counties. Forest headquarters are located in Harrisburg, Illinois. There are local ranger district offices in Jonesboro and Vienna. The Shawnee National Forest is also the single largest publicly owned body of land in the state of Illinois. It is considered part of Southern Illinois, and is south of the St. Louis, Missouri, and Metro East areas, in area code 618. Portions of it are in the far south area of Illinois known as Little Egypt. Cities in or near the area are Carbondale, Illinois, Marion, Illinois, and Cairo, Illinois. Designated as the Illini and Shawnee Purchase Units, President Franklin D. Roosevelt declared these purchase units to be the Shawnee National Forest in September 1939. Most of the land added to the Forest in its first decade of existence was exhausted farmland.

Take the family for a visit. This time of year is beautiful



October 8 >10, 1871 150 years of the rebuilding of Chicago, still moving into the future by “Working Well With Others”.

The Chicago Fire of 1871, also called the Great Chicago Fire, burned from October 8 to October 10, 1871, and destroyed thousands of buildings, killed an estimated 300 people and caused an estimated \$200 million in damages. Legend has it that a cow kicked over a lantern in a barn and started the fire, but other theories hold that humans or even a meteor might have been responsible for the event that left an area of about four miles long and almost a mile wide of the Windy City, including its business district, in ruins. Following the blaze, reconstruction efforts began quickly and spurred great economic development and population growth.

In October 1871, dry weather and an abundance of wooden buildings, streets and sidewalks made Chicago vulnerable to fire. The Great Chicago Fire began on the night of October 8, in or around a barn located on the property of Patrick and Catherine O’Leary at 137 DeKoven Street on the city’s southwest side. Legend holds that the blaze started when the family’s cow knocked over a lighted lantern; however, Catherine O’Leary denied this charge, and the true cause of the fire has never been determined. What is known is that the fire quickly grew out of control and moved rapidly north and east toward the city center.

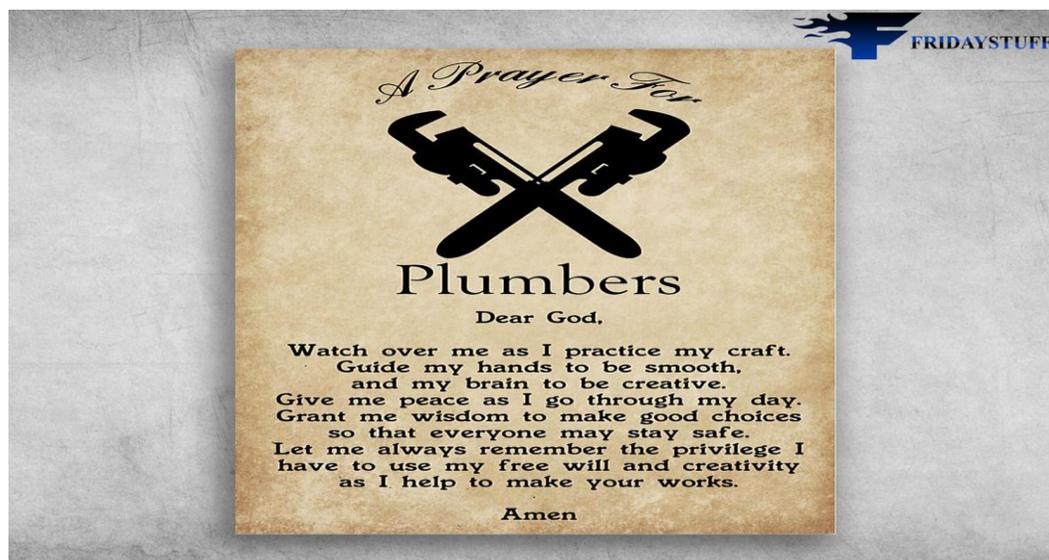
Did you know? The same day the Great Chicago Fire began, a fire broke out in Peshtigo, Wisconsin, in which more than 1,000 people perished.

The fire burned wildly throughout the following day, finally coming under control on October 10, when rain gave a needed boost to firefighting efforts. The Great Chicago Fire left an estimated 300 people dead and 100,000 others homeless. More than 17,000 structures were destroyed and damages were estimated at \$200 million. The disaster prompted an outbreak of looting and lawlessness. Companies of soldiers were summoned to Chicago and martial law was declared on October 11, ending three days of chaos. Martial law was lifted several weeks later.

The month after the fire, Joseph Medill (1823-99) was elected mayor after promising to institute stricter building and fire codes, a pledge that may have helped him win the office. His victory might also be attributable to the fact that most of the city's voting records were destroyed in the fire, so it was next to impossible to keep people from voting more than once.

Despite the fire's devastation, much of Chicago's physical infrastructure, including its transportation systems, remained intact. Reconstruction efforts began quickly and spurred great economic development and population growth, as architects laid the foundation for a modern city featuring the world's first skyscrapers. At the time of the fire, Chicago's population was approximately 324,000; within nine years, there were some 500,000 Chicagoans. By 1890, the city was a major economic and transportation hub with an estimated population of more than 1 million people. (In America, only New York City had a larger population at the time.) In 1893, Chicago hosted the World's Columbian Exposition, a tourist attraction visited by some 27.5 million people. Today, the Chicago Fire Department training academy is located on the site of the O'Leary property where the Great Chicago Fire started. In 1997, the Chicago City Council passed a resolution exonerating Catherine O'Leary, an Irish immigrant who died in 1895, and her cow.

THE DNA OF CHICAGOANS BUILD STRONGER AND BETTER



IAPMO Seeks Bathroom Design Task Group Members

The International Association of Plumbing and Mechanical Officials (IAPMO) is accepting applications from technical experts to participate on the Bathroom Design Task Group.

The scope of the Bathroom Design Task Group is to develop an appendix to the *Uniform Plumbing Code (UPC®)* that better addresses restroom design, particularly when it comes to (a) gender-neutral concerns, (b) health and safety concerns such as toilet plumbing and ventilation, and (c) improving plumbing system efficiency (e.g., fixture quantity and placement, pipe routing, etc.).

Task group members will participate via conference call or web meeting, provide their perspective on the code, and assist in drafting recommendations for action by the *UPC* Technical Committee and other medical gas industry codes, standards, and guidelines. Applicants are not required to be members of the *UPC* Technical Committee. It is anticipated that all meetings will be virtual, but if travel is required, meetings would be held at IAPMO World Headquarters (West) in Ontario, California.

In addition to plumbing industry professionals, participation is sought from architects, facilities personnel, and ASHRAE/HVAC engineers.

The deadline to apply is Oct. 29.

First published by IAPMO in 1945, the *UPC* is developed to govern the erection, installation, alteration, repair, relocation, replacement, addition to, use, or maintenance of plumbing systems as a means of promoting the public's health, safety, and welfare. Developed and subsequently republished at the conclusion of each three-year code cycle, the *Uniform Codes* are designed to provide consumers with safe plumbing, mechanical, and solar energy systems while, at the same time, allowing latitude for innovation and new technologies.

Interested individuals may contact Christoph Lohr at (909) 731-0219 or by email at christoph.lohr@iapmo.org.



American Society of Sanitary Engineering (ASSE)

IHS Markit is your source for ASSE standards and publications. The American Society of Sanitary Engineering is a nonprofit organization that is comprised of individual and sustaining members who represent all disciplines of the Plumbing Industry.

It's mission is to, in the spirit of its motto "Prevention Rather Than Cure," continually improve the performance, reliability and safety of plumbing systems by:

- Developing and maintaining consensus product performance and professional qualification standards whose sole purpose is to protect the health of the public.
- Developing and maintaining active product seal control, and professional qualification credentialing, programs.
- Providing interactive platforms on the local, state, national and international levels to receive, understand, solve and provide guidance regarding legislative, engineering, installation/workmanship and manufacturing challenges as they are related to enhancing the health and safety aspect of plumbing.
- Promoting public awareness about the importance of safe and correct plumbing installations. ASSE Standards deal primarily with plumbing and sanitation equipment performance, and specifically cover topics such as: pipe applied atmospheric type vacuum breakers, water pressure reducing valves for domestic water supply systems, household dishwashers, water hammer arresters, hand held showers, trap seal primer valves, dual check type backflow preventors, automatic flow controllers, fixed flow restrictors, laboratory faucet vacuum breakers, and plumbing requirements for drain air gaps domestic dishwashers.



Mark McManus General President of the United Association gets a kick out of Gary's Jokes

The secretary was leaving the office when she saw the CEO standing by the shredder with a piece of paper in his hand. "Listen" said the CEO " this is a very important document. Can you make this thing work? The secretary turned the machine on, inserted the paper, and pressed the start button. "Great" said the CEO as his paper disappeared inside the machine. "I just need one copy."

Why is Christmas just like a day in the office? You do all the work and the fat guy in the suit gets all the credit.

Three econometricians went out hunting and came across a large deer. The first econometrician fired but missed by a yard to the left. The second econometrician fired but missed by a yard to the right. The third econometrician didn't fire but shouted in triumph, " We got it! We got it"

**Local Union 130 U.A. and American Society of Sanitary Engineering
Next Product Show will be on Nov.9, 2021 at the Chicago Campus 1340
W. Washington Boulevard, Chicago, IL 60607 Lower Hall from 3:00 PM
to 6:00 PM Time may change**



**Choreographed by ASSE very own Board Member Brian Mazzocchi.
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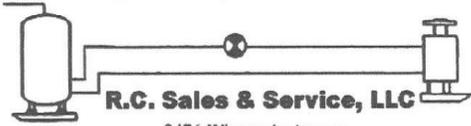
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ASSE International is committed to providing the highest level of customer service possible during these unprecedented times.

A top priority is to continually assist our customers with efficiency, while following all required safety measures for our dedicated staff. ASSE has implemented telework solutions enabling many of our staff to assist our clients and members remotely. ASSE services, included product certification, personnel certification, and standards development, remain available via phone or email to assist with your various needs. Click for a list of all [ASSE staff and contact details](#)

The 2020 ASSE International Business Meeting will be held online October 26-29. For our ASSE Certified Personnel, we want to reassure you that you will be able to recertify, even after the expiration date of the certification. We recognize that some adjustments will need to be made to accommodate certified individuals who are at, or nearing, the expiration dates on their certifications. Many are currently unable to attend classes and take exams. During this difficult time, we are extending the expiration date for all certifications expiring between 1/1/2020 and 8/31/2020. The new expiration date is 9/30/2020. ASSE is also giving a 6-month grace period for you to complete a recertification class and exam. Learn more about the steps we're taking for our Certified Personnel [HERE](#).

Additional dedicated department web links are:

- [ASSE Product Certification](#)
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- **Free download** <https://asse-plumbing.org/media/23442/12000-2018.pdf>

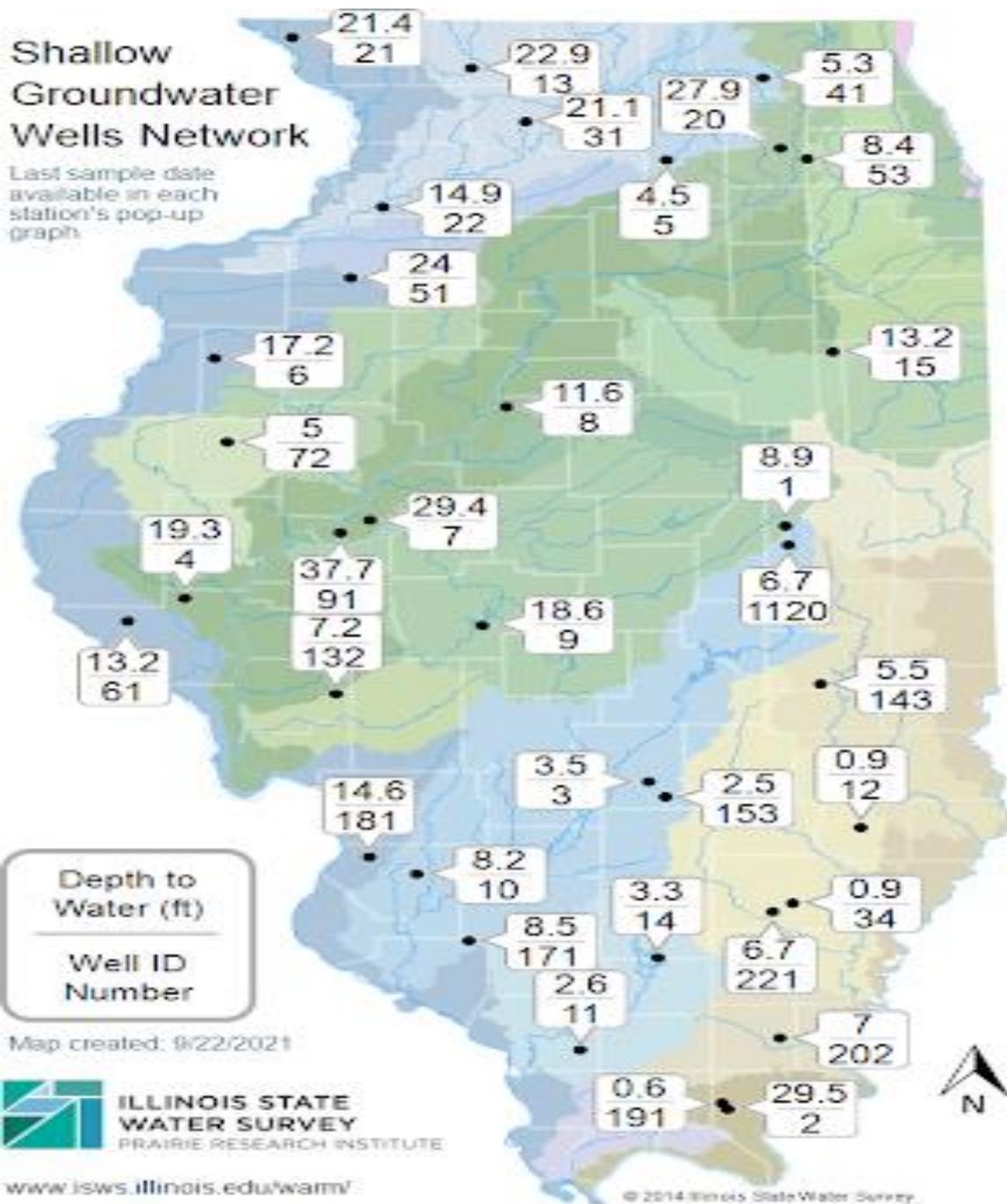
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<https://blogs.illinois.edu/view/7447/1720427615>