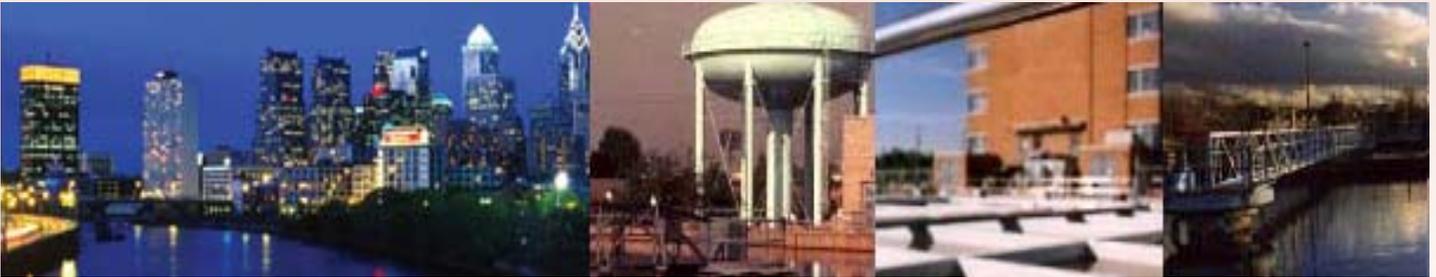


# The Pretreatment Times



## MISSION STATEMENT:

*The mission of the Industrial Waste and Backflow Compliance (IWBC) Division is to protect the City's freshwater resources and wastewater treatment plants by enforcing local, state and federal regulations governing wastewater discharges to the City's wastewater and storm water collection systems.*

July 2019

Volume 20

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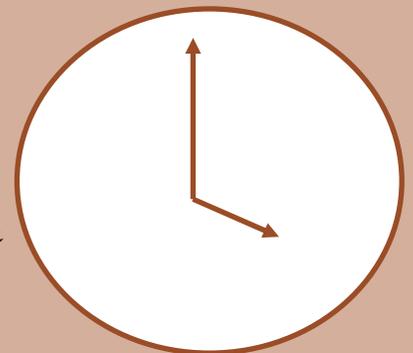
## CONGRATULATIONS

To the recipients of our 100% Compliance Award recognized on pages 4 & 5 of this issue! Awards are given based on the number of years industrial users are in compliance!

- Platinum (10+ years)
- Gold (5-9 years)
- Silver (3-4 years)
- Bronze (1-2 years)

## REMINDER:

Semi-Annual Compliance Reports are due NO LATER THAN July 31, 2019. Submitting your Semi-Annual Compliance Report more than 30 days late is considered a Significant Non-Compliance.



## COMPLIANCE ASSISTANCE

### PROPER WAYS OF DISPOSAL TO AVOID SNC

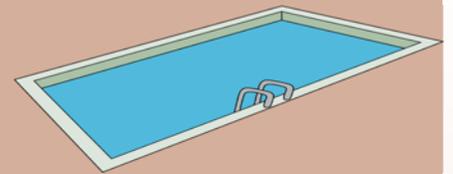
#### Disposal of Cooking Grease:

- ◆ Dispose of all animal fats and other grease as solid waste, NEVER pour down sinks and drains or into garbage disposals.
- ◆ Install and maintain grease traps and filters to collect grease.
- ◆ Use services for cooking oil disposal and recycling providers.



#### Swimming Pool Discharge:

- ◆ To discharge water to sanitary sewer:
  - ◆ Permission must first be granted by the city.
  - ◆ Use a small volume pump to prevent spill out, and discharge with a hose into access cap of the private property sewer drain.
- ◆ To discharge to your property:
  - ◆ Hold the water in the pool for two weeks without adding any chlorine in it.
  - ◆ Use water for irrigation or discharge in an area where water will not flow into a stream or storm sewer, ensure water does not flow off the property.



#### Hazardous Waste:

- ◆ Any waste identified by the EPA to potentially have a negative impact on humans is considered hazardous.
- ◆ Contact a company that provides hazardous waste management services to assist with the disposal of such waste.

To learn more about the EPA guidelines on identifying and obtaining an EPA identification number to dispose of hazardous waste, please refer to our website to access a RCRA brochure.

## NEW COMMISSIONER

After a thorough, national search that recognized the important work of the Philadelphia Water Department's 2,000 employees, Mayor Kenney named Randy E. Hayman, as the Philadelphia Water Department's new Commissioner in May 2019.



A veteran of the water utility industry, Commissioner Hayman left his partnership at Washington D.C. environmental law firm Beveridge & Diamond, and previously served as general counsel at two major water utilities – DC Water and Metropolitan St. Louis Sewer District.

“I am honored to be given the opportunity to lead the Philadelphia Water Department, which has a reputation for being a national leader in water, wastewater and stormwater management,” said Commissioner Hayman. “PWD continually strives to balance its pledge to environmental protection and the management of its robust traditional and green infrastructure with affordable rates. I look forward to contributing my experience and expertise to build upon the strong foundation that employees and past leaders have put in place.”

His professional and community efforts have been recognized by the Washington and St. Louis Business Journals with their prestigious Minority Business Leader Awards, and the Washington Business Journal presented him with the Greater Washington Legal Champions Award, recognizing him as one of the top general counsels in the nation's capital. He received his undergraduate degree from the University of Michigan, and his law degree from the Georgetown University Law Center.

## RAINWATER HARVESTING SYSTEM FOR INDUSTRIAL COOLING SYSTEMS IS SO “GREEN”

Most commercial and industrial buildings are cooled with cooling systems. Industrial processes may also use chilled water to reduce the temperatures of vessels and tanks. Cooling systems (water-cooled chillers and cooling tower) use an enormous amount of potable water each year. Reusing collected and treated rainwater as a supplement source for the systems' makeup water supply provides cost savings and is a more holistic approach to operating such cooling units.

Rainwater is naturally “soft” with almost no dissolved solids which may allow for an increase in cycles between blow downs. Using rainwater for towers saves drinking water that would otherwise be evaporated and saves water that would be wasted in the blow down process.

Here are some guidelines for consideration when deciding if a rainwater harvesting system is a practical, reliable and sustainable option for your industry.

Rainwater can be collected from roofs and even paved areas. If this isn't your first article on rainwater harvesting, you know that the formula is 0.62 gallons of water for a 1” rainfall on 1 square foot of rooftop. A good rule of thumb is a 40,000 square foot roof here in Philadelphia has the potential to annually collect 1,000,000 gallons (1 MGal) of rainwater. Is that going to be enough to solely provide the necessary makeup water supply to your system? Cooling towers use about a gallon per month for each square foot of conditioned space during the summer.

The storage and treatment of the rainwater are other important considerations. Aeration and/or recirculation is usually enough to protect freezing of supply. A storage collection tank setup would connect to the makeup inlet of the cooling tower. Prefiltration of the water is necessary before it enters the storage collection tank setup. Additional treatment before entering the cooling tower makeup inlet may not be necessary. The cooling system will likely have a treatment system already in place. Sampling should be conducted, though, to ensure additional filtration or additives aren't required before adding harvested water to makeup. Water chemistry is critical to cooling tower efficiency.



## PHILLY WATER BAR

On Thursday, April 24, passersby cutting through the busy City Hall Courtyard were greeted by a surprise watering hole—the new **Philly Water Bar**.

Pouring nothing but fresh, cold, and local tap water, the colorful lunchtime **Philly Water Bar** pop-up, open from noon to 1 p.m., puts a spotlight on an incredible public asset many take for granted or simply don't appreciate: **Philadelphia's top-quality drinking water**.

**Philly Water Bar** also appears at special events and returns to City Hall every Thursday in the summer, weather permitting, from noon to 1 p.m.

**Philly Water Bar** is offered by the Philadelphia Water Department, in part, as a response to customer surveys that revealed a large percentage of residents primarily drinking bottled water at home in many communities.

Extensive survey results stretching over three years spurred the Water Department, which serves all residents in America's poorest large city, to act. Information highlighted in City Council's March 2019 [Philly Water Bar and Tap Water Resolution](#) details the issues Philadelphia faces:

- Only 21 percent of Philadelphians who have bachelor's degrees report drinking bottled water most often at home, but half of all Philadelphians with a high school diploma or less primarily drink bottled water at home.
- Just 18 percent of households making more than \$150,000 per year drink bottled water most often at home, but more than half of households making less than \$20,000 a year dedicate grocery money to stocking the fridge with bottled water at home.
- Just over 21 percent of white residents drink bottled water most often at home, while 56 percent of black and 40 percent of Latino residents do.

Research shows people in distinct demographic groups buy pricey, waste-intensive bottled water at high rates. **Philly Water Bar** takes tap out of its typically unglamorous kitchen sink environment and brings the extremely sustainable, healthy and affordable drink into a fun and engaging space where fact-based conversations can bubble up.

This effort is a fresh way to help people rethink stale notions of public drinking water that may have been passed down from older generations or just come from misunderstandings.

If you're interested in bartending at the Philly Water Bar this summer (last day is August 15th), please contact [tiffany.ledesma@phila.gov](mailto:tiffany.ledesma@phila.gov).

# PRETREATMENT PUZZLE

A V T D C V B U I W E B U U G  
I I I W T B I I S C E C C I Q  
H O M W X D Z V N B H I P N W  
P L R A Y W O A S A M P L E Q  
L A E S X Z I W S R R I B W O  
E T P T W L L Y N K F N X V K  
D I C E P A T M O S P H E R E  
A O M M N S T D C S T R U Y S  
L N O A E J R E M C F R R D E  
I C E W G A M H R L L J E A M  
H R E S Z L C Y O I V U B A R  
P R X A G X A W E L O H N A M  
S D H S J F H M R E V I R S F  
D K V P I D B T A I V F A P D  
Z W X Z L N V O Y R V Q Z G G

AMALGAM  
DOWNSTREAM  
OVERFLOW  
RIVER  
VIOLATION

ATMOSPHERE  
HAZARD  
PERMIT  
SAMPLE  
WASTE

COMPLIANCE  
MANHOLE  
PHILADELPHIA  
SEWER  
WATER

# 100% COMPLIANCE AWARDS



## 2018 GOLD AWARD RECIPIENTS

- ◇ Abbey Color Inc.
- ◇ Amuneal Manufacturing Corp. (Darrah Street)
- ◇ Bethayres Reclamation Corp.
- ◇ Caledonian Dye Works, Inc.
- ◇ Cardone Industries, Inc.
- ◇ Clean Rental Services, Inc.
- ◇ Columbia Silk Dyeing Co., Inc.
- ◇ CSX Transportation
- ◇ Fleetwash, Inc.
- ◇ Hillock Anodizing, Inc. (Tulip St.)
- ◇ J.P. Cerini Tech, Inc.
- ◇ John T. Bennett Co.
- ◇ Leatex Chemical Co.
- ◇ Liberty Bell Coca-Cola Beverages
- ◇ Medical Products Laboratories (Global Road)
- ◇ Medical Products Laboratories (Red Lion Road)
- ◇ Model Finishing Co., Inc.
- ◇ Murray Greene & Sons
- ◇ Newman & Company, Inc.
- ◇ NE Donut Shops CML LLC
- ◇ Peacock Laboratories
- ◇ Philadelphia Energy Solutions
- ◇ Philadelphia Gas Works
- ◇ Podcon, Inc.
- ◇ Simons Brothers Co.
- ◇ Starlite Industries, Inc.
- ◇ Suez WTP USA, Inc.
- ◇ Sun Chemical
- ◇ Tasty Baking Co.
- ◇ UCT Specialties, Inc.
- ◇ United Parcel Service
- ◇ Wade Technology, Inc.
- ◇ Wayne Mills Corp.
- ◇ WuXi AppTec, Inc.

## Industrial Waste Unit Contact Information

Questions, comments and suggestions for future topics are always welcome and suggested.

For comments on draft permits contact us at:

Industrial Waste & Backflow Compliance  
1101 Market Street, 6th Floor  
Philadelphia, PA 19107  
Phone 215-685-6236  
Fax 215-685-6232



For questions about your permit:

Baxter Water Treatment Plant  
9001 State Road  
Philadelphia, PA 19136  
Kim Veres 215-685-8096  
Lonnie Goldiner 215-685-8034  
Walter Milton 215-685-8095

Visit the Industrial Waste Unit Online at: [www.phila.gov/water/IWU.html](http://www.phila.gov/water/IWU.html)

# 100% COMPLIANCE AWARDS CONT.

## 2018 SILVER AWARD RECIPIENTS

- ◇ Advance Technologies
- ◇ Amuneal Manufacturing Corp. (Torresdale Ave.)
- ◇ Atlantic City Linen Supply, LLC
- ◇ Barnell, Inc.
- ◇ C. Lever Color
- ◇ Computer Components Corp.
- ◇ DGM Custom Polishing & Finishing Corp.
- ◇ Hillock Anodizing, Inc. (Comly St.)
- ◇ HP Hood, LLC
- ◇ Integrated Deicing Services
- ◇ IVD, LLC
- ◇ JAWS, Inc.
- ◇ Mid Atlantic Circuits
- ◇ Naval Foundry & Propeller Center
- ◇ Neatsfoot Oil Corporation
- ◇ Stockwell Elastomerics, Inc.
- ◇ Tastepoint, Inc.
- ◇ Vibroplating, Inc.

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# 100% COMPLIANCE AWARDS CONT.

## 2018 BRONZE AWARD RECIPIENTS

- ◇ A & R Logistics, Inc.
- ◇ Arway Linen & Uniform Rental
- ◇ Brenner Aerostructure, LLC
- ◇ Custom Powder Coatings, Inc.
- ◇ Dietz & Watson, Inc.
- ◇ Drexel Foods, Inc.
- ◇ Frontida BioPharm
- ◇ I. Rice
- ◇ James Abbott, Inc.
- ◇ Johnson & Johnson Consumer, Inc.
- ◇ LSG Sky Chefs
- ◇ Mrs. Ressler's Food Products
- ◇ N. Jonas & Co., Inc.
- ◇ National Railroad Passenger Corp.
- ◇ Nature Soy, Inc.
- ◇ PFB Logistics Products Terminals, LLC
- ◇ PECO Energy, Oregon Ave. Shop
- ◇ Penn Fishing Tackle Mfg. Co.
- ◇ Richards Apex, Inc.
- ◇ SPS Technologies
- ◇ Veolia Energy Phila.
- ◇ Vincent Giordano
- ◇ Zentis North America, LLC

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