

The Pretreatment Times



MISSION STATEMENT

The mission of the Industrial Waste Unit (IWU) 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 stormwater collection systems.

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Inside This Issue:

What's Inside?

- ◆ The Compliance Assistance section discusses utilizing resources from the Industrial Waste webpage that contains various permit reporting documents. This section also covers multiple strategies to prevent pH violations.
- ◆ On page 3, there is information about the Environmental Protection Agency's proposed new rule that will require dental facilities to install amalgam separators in order to minimize mercury discharges to our treatment plants. Additionally, information about the upcoming 24th Annual Industrial Pretreatment Conference in Reading, Pennsylvania, can be found.
- ◆ In "Water Department News", we discuss the Department's recent EPA award winning Biogas Cogeneration Facility.

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PWD PLANT TOURS

Are you interested in getting an inside look at how the City treats its drinking water and wastewater? The IWU will be scheduling tours of Philadelphia's three Water Pollution Control Plants (Northeast, Southwest and Southeast) and three Drinking Water Treatment plants (Baxter, Queen Lane and Belmont). Any Industrial User interested in touring a plant should contact IWU at 215-685-6236.

REMINDERS:



Semi-Annual Compliance Reports are Due:
NO LATER THAN January 31, 2015

Submitting your Semi-Annual Compliance Report more than 30-days late is considered Significant Non-Compliance.

If your report has not been received you will find yourself in Significant Non-Compliance!!

Compliance Assistance

RESOURCES FROM INDUSTRIAL WASTE WEBPAGE

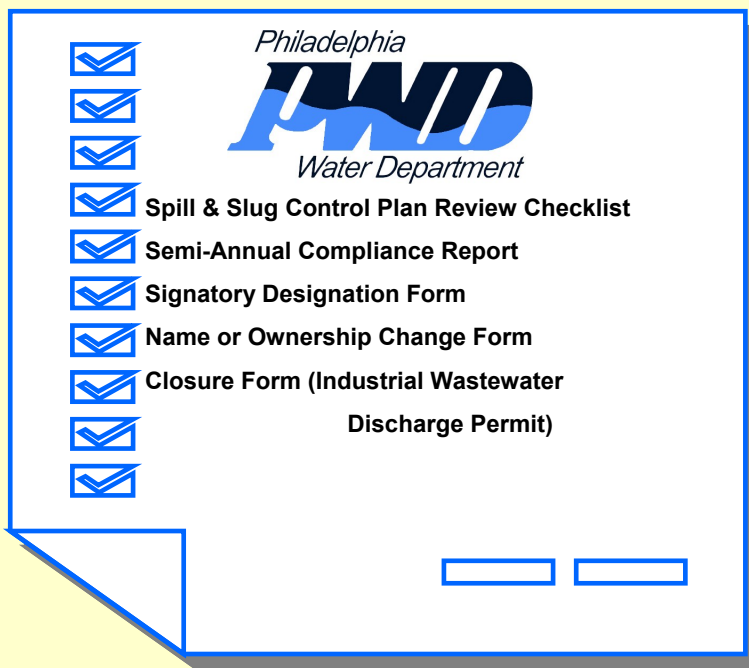
Need to submit a semi-annual compliance report for your facility?

Need to update the legal name of your facility or changes in ownership?

Need to designate a signatory for your facility's compliance reports?

We recommend you visit our website:

www.phila.gov/water/iwu.html



To access all Permit Reporting Forms, select the *Industrial Waste Resources* tab. After expanding the drop down menu, all forms are listed where a link to each form and a brief description can be found.

Strategies to Prevent pH Violations

<p>Read Lab Reports Promptly Check with your laboratory and ask them to report pH monitoring results immediately.</p>	<p>Resample When Out of Compliance Don't forget that if your pH sample is not in compliance with your permit limits, then you must resample. For pH, the resample can happen as soon as 15 minutes after the previous sample. Once a pH sample has shown a return to compliance, you have met this requirement.</p>	<p>Take More Samples If you find that you still have more than 33% of your samples out of compliance, we recommend taking more samples. This will bring the percentage of noncompliant samples down by increasing the number of compliant samples analyzed. Your permit requirements specify a minimum frequency at which you must sample; however, it may be in your best interest to sample more frequently than the permit requires.</p>	<p>Consider Continuous Monitoring As an alternative to taking grab samples to determine effluent pH, you may want to consider continuous monitoring.</p>
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EPA'S Proposed Dental Amalgam Separator Rule

WHAT IS THE NEW RULE ABOUT?

EPA is proposing technology-based pretreatment standards for discharges of pollutants into publicly owned treatment works (POTWs) from certain existing and new dental practices. The proposal would require such dentists to comply with requirements for controlling the discharge of dental amalgam pollutants into POTWs.

WHY IS IT BEING CONSIDERED?

Dental offices are one of the largest sources of mercury discharges to POTWs. Mercury from amalgam is very detrimental to the environment as it travels through various ecosystems. The installation of dental amalgam separators will result in a significant decrease of mercury discharges.

WHO DOES IT AFFECT?

If passed, the new rule will require all publicly owned treatment works (POTWs) in the U.S. to ensure the compliance of dental offices in their service areas.

FOR MORE INFORMATION:

<http://water.epa.gov/scitech/wastetech/guide/dental/>



24th ANNUAL INDUSTRIAL PRETREATMENT CONFERENCE



APRIL 23 & 24, 2015

AT THE INN AT READING
READING, PA



<http://www.epwpcoa.org>

WATER DEPARTMENT NEWS

PWD Wins EPA Award for Biogas Cogeneration Facility

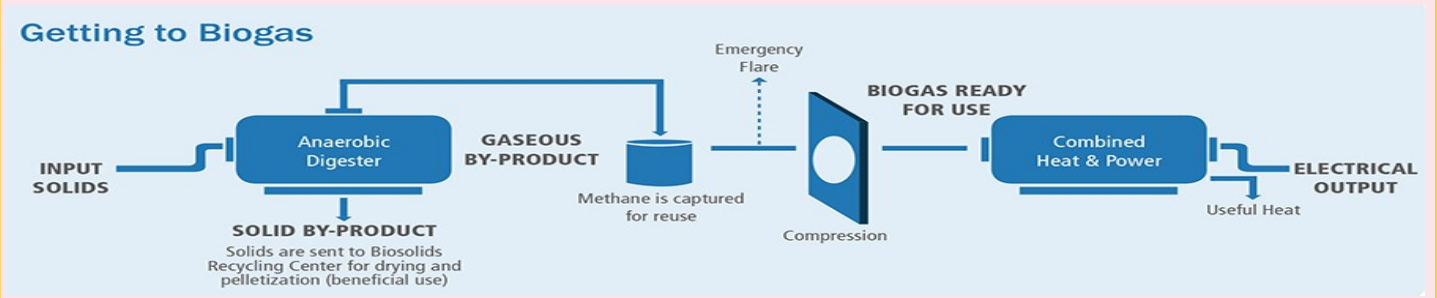
It's not often that PWD gets to share the stage with tech superstars Apple and Google, the design mavens at Herman Miller, or the cool kids at REI and Trek Bicycles. But on December 3rd at the Renewable Energy Markets Conference in Sacramento, PWD Energy Team member Amanda Byrne (pictured below) represented the city of Philadelphia, which received one of the U.S. Environmental Protection Agency's Green Power Leadership Awards in the On-site Green Power Generation category. The award recognizes "achievements in advancing the nation's renewable energy market and reducing greenhouse gas emissions fueling climate change."



Philadelphia received the award because of the Greenworks plan and its commitment to purchase and generate 20 percent of its electricity from alternative energy sources. A big step towards reaching that target comes from PWD's Biogas Cogeneration Facility at the Northeast Water Pollution Control Plant (WPCP), where we're literally turning the city's poop into power! The award also recognizes two additional green power projects by PWD, a sewage geothermal installation and solar photovoltaic system, both at PWD's Southeast WPCP.

The 5.6 megawatt Biogas Cogeneration Facility—our largest green power project to date—came online just about one year ago today and produces about 40 million kilowatt-hours annually. This is the equivalent of avoiding 32,300 metric tons of CO2 emissions each year, the same as taking over 5,000 cars off the road! This facility is also estimated to save \$12 million over the course of the next 16 years by producing 85% of the plant's annual electricity needs right on site.

This plant's primary responsibility is removing pollutants from our wastewater before sending that water back into the ecosystem. And we've figured out how to take the very... uh... stuff we pull out of the water and use it to produce fuel for running the plant! So... yeah. Keep flushing Philadelphia! This is the second EPA Green Power Leadership Award for the City of Philadelphia, which also won in 2012 for Green Power Purchasing.



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 Unit
 1101 Market Street, 3rd 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

Bob Gonsiewski 215-685-8093
 Lonnie Goldiner 215-685-8034
 Walter Milton 215-685-8095
 Fax 215-685-8008

Visit the Industrial Waste Unit Online at: www.phila.gov/water/IWU.html