

# 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.*

## What's Inside?

- ◆ Compliance Assistance—IWU offers information on your amended permit standard conditions and the change to closure statement requirements.
- ◆ Compliance Awards—See who received an award for 100% permit compliance in 2012. Also, this year marks the first time IWU is issuing silver awards for at least three consecutive years of permit compliance!!
- ◆ Report on IWU's tour of the Northeast Water Pollution Control Plant
- ◆ Pretreatment Success Story—Read about one permittee's work to achieve compliance with their pretreatment requirements.

Volume 8	
July 2013	
<b>Inside This Issue</b>	
Compliance Assistance	2
Pretreatment Awards for 100% Compliance	3
Water Department News	3
Pretreatment Success Story	4



## PWD ENERGY PLAN

Did you know that the Water Department has installed a Sewage Geothermal Installation at its Southeast Water Pollution Control Plant? This system, brought into operation in early 2012, enables the extraction of thermal energy from wastewater entering the treatment plant and the use of that energy for facility heating. This installation is expected to save PWD approximately \$15,000 annually in energy costs.

## REMINDERS:



Semi-Annual Compliance Reports are Due:  
NO LATER THAN July 31, 2013

Failure to submit your report in a timely manner may subject your facility to monetary fines.

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

## Compliance Assistance

# Closure Statement Requirements

The closure statement is one of the most overlooked permit reporting requirements. Permit closure can be required for a number of reasons, including: cessation of the permitted production process, relocation outside the Philadelphia sewer service area, or business closure. It is important for users to understand the requirements for requesting permit closure, as failure to meet them could result in permit violations and monetary fines.

On May 15, 2013, IWU mailed each industrial user, with a permit issued by the City of Philadelphia, a revised standard permit conditions, which now specifies when closure statements must be submitted (Part IV, Section (5)):

**Industrial User shall submit to the City, in writing, thirty (30) days prior to closing, a Closure Statement.**

Please note, closure statements must be submitted thirty (30) days *prior* to permit closure. This means all applicable permit monitoring and reporting requirements will remain in effect for thirty days after your statement is received. Additionally, there are a number of other requirements for information that must be included in a complete closure statement. For wastewater discharge permits issued by the City of Philadelphia, please consult Part IV, Section 5 of your permit for these additional closure statement requirements.

To further assist users in submission of a complete and accurate closure statement, IWU has developed a form that can be used as a guide for submission. Please visit the IWU webpage, in the downloads section ([www.phila.gov/water/iwu](http://www.phila.gov/water/iwu)) for a copy of this document.



**One Water,  
One Resource**



a film about the Philadelphia Water Department, and the people who work there

watch it at [phillywatersheds.org/videos](http://phillywatersheds.org/videos)

## Pretreatment Awards for 100% Compliance

This issue brings the third year of recognition of the Industrial Waste Unit's Pretreatment Certificates for 100% Compliance. These certificates are awarded annually to permittees who have had no violations of their wastewater discharge permit in the previous year. The certificates recognize consecutive years of compliance through silver (3-4 years), gold (5-9 years) and platinum (10+ years) certificates. This year we are proud to present the first silver awards for 3 consecutive years of compliance to 56 permittees and bronze awards to 34 permittees. Please see the insert for a selection of industries receiving awards in 2013.

Did your facility receive an award but isn't listed with the other award winners? IWU requested permission from all permittees before printing their name in *The Pretreatment Times*. If your facility is not listed and you would like to see it in future issues, please contact us at 215-685-6236.

## Water Department News Report on Plant Tours

On Tuesday, June 11, the Industrial Waste Unit was pleased to welcome fifteen representatives from permitted industrial facilities on its second tour of a City water treatment facility. Facility representatives and IWU toured the grounds of the Northeast Water Pollution Control Plant led by plant engineers Anthony DiGironimo and Nafissa Bizo, and plant biologist Justin O'Brien. The tour allowed permittees an inside look at the processes the City uses for treatment of 185 million of the total 470 million gallons of wastewater treated on an average day in Philadelphia. Plant personnel were available during the tour to respond to any questions.



Response from these tours has been overwhelmingly positive. Attendees were impressed by the scale on which the City handles wastewater treatment. Of particular interest to attendees was the size of the pumps lifting wastewater from preliminary (screening) to primary (sedimentation) treatment, and the methane flaring from the anaerobic digestion process. At the time of the tour the first steps in construction of the City's Combined Heat and Power (CHP) facility (see *PTT* Volume 7) could be seen from the roof of the digester building.

Are you interested in getting an inside look at how the City treats its drinking water or 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 either a drinking or wastewater treatment plant should contact IWU at 215-685-6236. Make sure you let us know which type of facility you would like to tour!

## Pretreatment Success Story

# Allied Tube & Conduit Corporation

On May 8, 2013, Allied Tube and Conduit Corporation (ATC) and the Philadelphia Water Department (PWD) celebrated the successful completion of a multi-year consent order under which ATC constructed a state-of-the-art wastewater treatment system to achieve compliance with their wastewater discharge permit pollutant limitations.

ATC and PWD entered into a consent order on April 14, 2010 after the facility was unable to achieve compliance with its zinc effluent limitation. Repeated violations made it clear that resolving this issue would require ATC to invest significant time, energy and money in the facility's wastewater treatment system. Under this negotiated agreement, ATC was required to meet specific progress milestones and PWD agreed to stipulated penalties for permit effluent violations during the time the agreement was in effect.

After completing an in-depth analysis of process and non-process water usage at the facility to identify zinc sources, ATC developed and constructed a process wastewater treatment system capable of treating approximately 20,000 gallons of wastewater per day using pH adjustment, oil skimming, coagulation, flocculation and sedimentation. Since completing the system test period, the treatment system has achieved 100% compliance with the facility's discharge limitations.

This agreement has generated beneficial results for both ATC and PWD. While both now have confidence in ATC's ability to achieve compliance with its pollutant limitations, ATC has seen additional advantages from this process, including:

- ◆ the segregation of process and non-process wastewater,
- ◆ a reduction in total facility water usage by approximately 90%,
- ◆ a reduction in air pollution (particulate and fumes) by approximately 99%, and
- ◆ the ability to return wastewater that is not in compliance with the facility's permit to the treatment plant for further processing.

## 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

Joe Cerrone 215-685-8030

Bob Gonsiewski 215-685-8093

Evan Schofield 215-685-8068

Fax 215-685-8008

**Visit the Industrial Waste Unit Online at: <http://www.phila.gov/water/IWU>**

### What is a Consent Order?

A consent order is an agreement between a Control Authority and Industrial User that normally contains three elements:

- (1) Compliance schedules
- (2) Stipulated fines or remedial actions
- (3) Signatures of the Control Authority and industry representatives

Consent orders contain enforceable compliance schedules that Users are required to follow or risk additional monetary fines; however, since these are agreements between the User and Control Authority, they allow users to have influence on the approaches to corrective actions that will be taken to resolve the compliance issues.

## 2013 Bronze Award Recipients

- |  |   |                           |
|--|---|---------------------------|
| 1. AgustaWestland Philadelphia Corporation | 10. JAWS, INC   | 17. Premier Medical (MFG) |
| 2. C W Industries                          | 11. Model Finishing Co. Inc.  | 18. UCT Specialties, Inc. |
| 3. C Lever Colors, Inc.                    | 12. National Chemical Laboratories, Inc.  | 19. Vincent Giordano      |
| 4. Caledonian Dye Works, Inc.              | 13. National Railroad Passenger Corp.   |                           |
| 5. Cardone Industries., Inc.               | 14. Newman & Company, Inc.  |                           |
| 6. Clean Rental Services, Inc.             | 15. Philadelphia Energy Solutions Refining and Marketing, LLC (70th St Essington) |                           |
| 7. CSX Transportation, Inc.                | 16. PolySat, Inc.   |                           |
| 8. Custom Powder Coatings, Inc.            |   |                           |
| 9. Gill Powder coating                     |   |                           |

## 2013 Silver Award Recipients

- |  |   |                                       |
|--|---|---------------------------------------|
| 1. AECO, Inc.                            | 14. Martin/F. Weber                       | 27. Premier Medical (MFG)             |
| 2. Ashland Chemical Company              | 15. Max Levy Autograph, Inc.              | 28. Regal International Leathers, Ltd |
| 3. Barnell, Inc.                         | 16. Medical Products Laboratories         | 29. Richards-Apex, Inc.               |
| 4. Bethayres Reclamation Corp.           | 17. Metlab/Potero                         | 30. Servisair LLC                     |
| 5. Cintas Corporation (Jefferson Street) | 18. Mrs. Ressler's Food Products          | 31. Simons Brothers                   |
| 6. Computer Components Corporation       | 19. N. Jonas & Co, Inc.                   | 32. SPD Technologies                  |
| 7. Curtiss Laboratories                  | 20. NEL Metal Restorations                | 33. Starlite Industries, Inc.         |
| 8. Department of the Treasury, U.S Mint  | 21. PChem Associates, Inc.                | 34. Sun Chemical                      |
| 9. G. J. Littlewood & Son, Inc.          | 22. Penn Fishing Tackle Mfg. Co.          | 35. Veolia Energy Philadelphia        |
| 10. GE International Inc.                | 23. Perfecseal, Inc.                      | 36. Vibroplating, Inc.                |
| 11. Henshell Corporation                 | 24. Philadelphia Cheesesteak Co.          | 37. Wayne Mills Corp.                 |
| 12. Hillock Anodizing, Inc.              | 25. Philadelphia Pre-Cooked Steak Co.     | 38. WuXi AppTec Incorporated          |
| 13. Lannett Company, Inc.                | 26. Philadelphia Rust Proof Company, Inc. |                                       |
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