

## LOOK AT WHAT'S NEW!

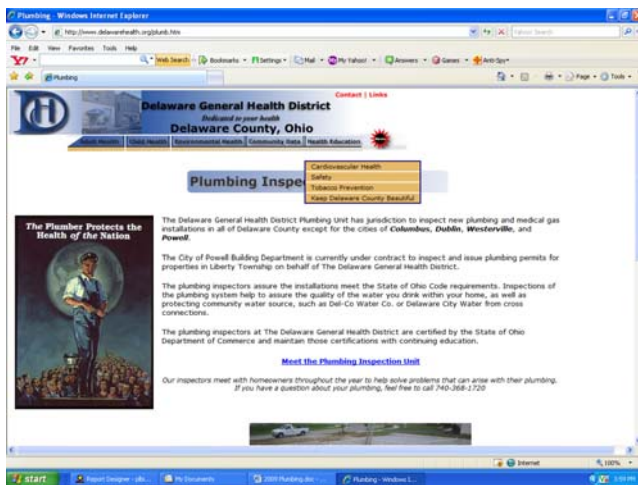
Check out the new plumbing web page at <http://www.delawarehealth.org/plumb.htm>.

The plumbing page is easy to find and has more resources to help contractors with needed plumbing forms and information. New features will be coming soon.



## MEDICAL GAS AND VACUUM PIPING SYSTEMS

The Delaware General Health District has added a Medical Gas Inspection Program to the plumbing inspection services we provide. Our department has the state certified personnel to inspect medical gas piping. Our jurisdiction covers all of Delaware County except the Cities of Columbus, Dublin, and Westerville. Stop by our office at 1 West Winter St. to register and pick up a medical gas plumbing permit application. When applying for a permit, be sure to bring in two sets of stamped plans.



## ATTENTION CONTRACTORS

Please include the **Plumbing Permit number** when paying re-inspection or partial inspection fees. Payment will not be applied until we have the permit number. The plumbing clerk will contact you when there is a problem with applying a payment. To avoid delays, proper permit numbers are needed.

## Water Driven Sump Pumps

Water driven sump pumps are becoming more popular as a back up for protecting basements. Be sure to obtain a permit and have work inspected. Pumps connected to potable water systems are required to have a high hazard, testable backflow preventer installed on the supply. Post backflow preventer test results with the plumbing permit for inspection.

## Water Supply and Distribution Pipe Sizing

In these lean times there appears to be a tendency to design to the bare minimum. One example is too many fixtures on a ½" water line. 2007 Plumbing Code # 604.3 **Water Distribution System Design Criteria** basically states to design the distribution system with pipe sized large enough to achieve minimum flow and pressure requirements from the fixture supply pipe outlets under conditions of peak demand. The Ohio Plumbing code does not address the issue of minimum pipe sizing of distribution systems.

We have copies of a sizing chart in our office and on our web site to aid you in sizing the waterlines in the distribution system. The chart is a helpful aid and not part of the plumbing code. If you have any questions call our inspectors.

### Are you Legal?

Code section 105.1 of The Ohio Plumbing Code requires a permit for just about all work done on a plumbing system (see exemption 105.2). Be sure to get the necessary plumbing permit as required by law before work begins. This includes water heaters.

### ***Please Remember to Keep Mud, Gravel out of Sanitary Lines***

It's that time of year again when heavy rains and runoff make installing underground plumbing very difficult. Please remember to not allow the surface water to enter the sanitary drains. The mud and gravel that washes into the sanitary sewer system cause a multitude of problems. Operators and Sanitary Engineers at Delaware County's wastewater plants appreciate your cooperation. When our inspectors observe muddy surface water draining into sanitary lines, we are obligated to report the responsible parties to the county sanitary engineering department. We thank all

contractors in advance for your cooperation in safeguarding sanitary line openings so such reports are unnecessary.



### Backflow Preventers Require Permits

Just a reminder: Our inspectors are still finding a high percentage of unpermitted backflow preventer installations on irrigation systems. Installers must be State certified plumbing contractors registered with the Delaware General Health District. Installers must first obtain a plumbing permit. Then after the installation and prior to the inspection, these devices are to be tested by state certified backflow technicians, with a copy of the results to be attached with the plumbing permit on site.



Send or fax Back Flow Device test results to:

**Del-Co Water**  
**Attn: Steve Steward**  
6773 Olentangy River Rd.  
Delaware, Ohio 43035  
Phone: 740-548-7746  
Fax: 740-548-2089  
**Or**

**Delaware City Water Department**

**Attn: Richard Miller**  
 3080 US 23 North  
 Delaware, Ohio 43015  
 Phone: 740-203-1926

**Revised Plumbing Permit form  
 New 2009**

Delaware General Health District  
 1 W. Winter Street, P.O. Box 570  
 Delaware, Ohio 43015-0570  
 (740) 368-1720 Fax (740) 368-1736

**Plumbing Permit** Permit # \_\_\_\_\_  
 Receipt # \_\_\_\_\_

Job site located at:  
 Street \_\_\_\_\_ City \_\_\_\_\_ Zip \_\_\_\_\_ Township \_\_\_\_\_  
 Subdivision \_\_\_\_\_ Lot # \_\_\_\_\_ New \_\_\_\_\_ Remodel \_\_\_\_\_

**Plumbing Contractor**  
 Contractor: \_\_\_\_\_  
 Street: \_\_\_\_\_  
 City/State/Zip: \_\_\_\_\_  
 Phone# \_\_\_\_\_

**Property Owner information**  
 Name: \_\_\_\_\_  
 Street: \_\_\_\_\_  
 City/State/Zip: \_\_\_\_\_  
 Phone # \_\_\_\_\_

**Underground Inspection**  
 Approved \_\_\_\_\_  
 Disapproved \_\_\_\_\_

**Top Out Inspection**  
 Approved \_\_\_\_\_  
 Disapproved \_\_\_\_\_

**Final Inspection**  
 Approved \_\_\_\_\_  
 Disapproved \_\_\_\_\_

I hereby certify that all work will be done in accordance with the State and Local regulation.

Applicant's Signature \_\_\_\_\_ Date \_\_\_\_\_  
 Issued By \_\_\_\_\_ Date \_\_\_\_\_

Comments \_\_\_\_\_

| # of Residential Fixtures | Description                    | # of Commercial Fixtures |
|---------------------------|--------------------------------|--------------------------|
|                           | Air Admittance Valve           |                          |
|                           | Backflow Device                |                          |
|                           | Bar Sink                       |                          |
|                           | Bath Tub                       |                          |
|                           | Commercial Sink                |                          |
|                           | Dish Washer                    |                          |
|                           | Drinking Fountain              |                          |
|                           | Floor Drain/ Hub Drain         |                          |
|                           | Garbage Disposal               |                          |
|                           | Grease Removal Device          |                          |
|                           | Inside Conductor               |                          |
|                           | Kitchen Sink                   |                          |
|                           | Laundry Sink                   |                          |
|                           | Lavatories (Bath Sink)         |                          |
|                           | Oil Interceptor                |                          |
|                           | Sand Trap                      |                          |
|                           | Shampoo Bowl                   |                          |
|                           | Shower                         |                          |
|                           | Slop Sink                      |                          |
|                           | Soda Fountain                  |                          |
|                           | Sump Pump                      |                          |
|                           | Urinals                        |                          |
|                           | Washing Machine                |                          |
|                           | Water Closet (Toilet)          |                          |
|                           | Water Heater                   |                          |
|                           | Other _____                    |                          |
|                           | <b>Total Fixtures</b>          |                          |
| X \$10.00                 |                                | X \$20.00                |
| <b>Application Fee</b>    |                                |                          |
| + \$30.00                 |                                | + \$200.00               |
|                           | <b>Commercial Plans Review</b> |                          |
|                           | 1-20 Fixtures + \$ 50.00       |                          |
|                           | 21-40 Fixtures + \$100.00      |                          |
|                           | 41-60 Fixtures + \$150.00      |                          |
|                           | 61 + Fixtures + \$200.00       |                          |
|                           | <b>Grand Total</b>             |                          |
| \$                        |                                | \$                       |

**PERMIT MUST BE POSTED ON SITE**

Revised 01/01/2009

Revised permit application available at The Delaware General Health District office. Please note the Fee change. The previous versions may still be use just be sure and have the correct fee for the permit.

**The following article was prepared by Del-Co Water Co.**

**Testing PVB /ASSE 1020 backflow devices on Del-co Water System**

A PVB/ASSE 1020 is a backflow prevention device most commonly used on irrigation systems. The installation and testing of these devices is regulated by the Ohio DOC, as it is an isolation backflow device. Del-Co Water Co. requires these devices to be tested by a certified backflow tester every twelve months.

Once the test is completed it must be sent by the tester to Del-Co Water Co. for review and is either passed or failed.

The purpose of this test is to make sure the device is working properly. A properly working device prevents the water downstream (in the irrigation system) from entering the consumer's home or possibly the water main in the event of a backflow occurrence. Some common ways for backflow to occur is a water main break or a break in the consumer's piping.

The two most common reasons these devices fail are:

- 1) Mechanical- This is due to wear or freezing. The device will need to be rebuilt or replaced.
- 2) Debris lodged in the check valve which comes from sediment and scaling in the plumbing system that is introduced when the system is turned on. The device will need to be cleaned.

With this in mind the following procedures must be followed when testing these devices:

- 1) The test is to be performed at the time the irrigation system is put into service each year.
- 2) The device must be installed in the system and not removed after the test is completed.
- 3) The water supply must be turned on and left on to the device to ensure there are no leaks and no debris is passed through the system.
- 4) Secondary sources for the purpose of testing are not permitted. This includes but is not limited to: wells, cisterns, pressure tanks, hose connection from another property.

If these procedures are not followed the test will be failed, and sent back to the tester. A second test will be required once the system is on and these conditions are met. If an acceptable test is not provided it may result in the interruption of the water service and/or a second device will be required at the water service connection.

**Any questions contact: Del-Co Water Co. Backflow Department  
 740-548-7746 Ext. 2243 or 2250**

## Food Service Approval

If your plumbing system installation includes work involving commercial kitchens or other food service equipment, you are required to meet the Ohio Plumbing Code and design standards set by the Ohio Food Service Code. Even though the submitted design is approved by the Plumbing Unit at the Delaware General Health District, the Food Protection and Public Safety Unit may require additional fixtures, changes in fixture location, or other changes per the Ohio Food Service Code. Approval by the Food Protection and Public Safety Unit at the Delaware General Health District should be completed before plumbing plans are submitted. Failure to have prior Food Protection and Public Safety Unit approval, could cause job delays or cause a design change.

Approval of the design plan of commercial kitchens and other related food service facilities is the responsibility of the owner or their designated representative. Ultimately the Food Protection and Public Safety Unit has final authority regarding food handling areas and equipment. Be sure and check with property or business owners that they have gained approval through the Food Protection and Public Safety Unit.

### The Delaware General Health District Services

As you know, the Delaware General Health District provides inspections for new and remodeled plumbing installations, but are you aware of the other services the Health District provides? In order to better serve the community, the Delaware General Health District is divided into two divisions, Environmental Health, and Personal Health.

The Environmental Health Division's services include: The Residential Services Unit, which provides services for sewage, water, vector control, and rabies. The Food Protection and Public Safety Unit provides licensing and inspections, for food service operations & retail food establishments, hand washing education, swimming pools & spas,

schools and playground safety education, manufactured home parks, campgrounds, and indoor air quality. The Solid Waste Unit licenses and inspects solid waste providers. The Emergency Response Unit stands ready to act on a chemical release. The Keep Delaware County Beautiful Team works to protect the county's natural resources, by providing recycling, and annual hazardous waste collections. The Plumbing Unit provides plumbing inspections for commercial and residential buildings.

The Personal Health Division provides services for adults and children's health through the Delaware General Health Clinic, along with Immunizations, flu shots, family planning, STD testing, health nutrition and safety education, and car seat checks. WIC (Women, Infants and Children) provides a Nutritional Supplemental Program. We also provide services for children with medical handicaps. These are but a few, of the long list of services the Personal Health Division provides for the residents of The Delaware General Health District.

The Delaware General Health District also protects public health by tracking communicable and non-communicable disease through our Epidemiology Unit. Birth and death records for Delaware County are maintained by the Vital Statistics Unit.

If you would like to learn more about The Delaware General Health District and the many services that are available, contact Linda Diamond at 740-203-2016. Linda co-ordinates our Friends for Life programs which offer tours and information in detail about all the services provided to the residents of Delaware County.

