

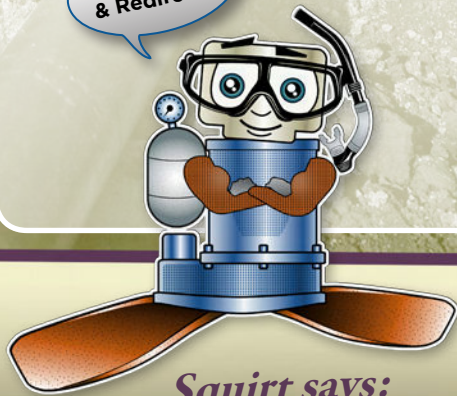
What is the schedule for the Sump Pump Redirection Program?

Phase 1 is currently underway and should be completed by the end of 2013. Phase 2 will start as soon as questionnaires are returned and run through early 2014, depending on the number of property visits and the availability of DPW staff. It is intended that a budget for sump pump redirection construction could be presented to Town Meeting as early as 2014 so the permanent solutions can be constructed. Construction of solutions may be phased over a several year period.

How do I sign up for the Sump Pump Redirection Program?

Just fill in the form at the end of this brochure and return, email or Fax to the Engineering Division Office at Town Hall, Fax No: 978-671-0958, or go to www.billericadpw.org under contact us and sign up. Our DPW sump pump team will contact you to set up an appointment with you at your convenience to start the process. Questions can be directed to our web page, or you can call the Billerica Engineering Division at 978-671-1300, tell them you have question, and a member of the sump pump team will help you.

Disconnect
& Redirect!



Squirt says:

"Disconnect & Redirect!"

SUMP PUMP SURVEY FORM

I **DO / DO NOT** wish to participate in the Billerica Sump Pump Redirection Program

Name:

Address:

Owner Occupied: Y N
Rental Property: Y N
Property has a sump pump: Y N Don't Know
Connected to Sewer: Y N Don't Know

*Please return this form even if you do not have a sump pump.
Thank you for your cooperation.*



BILLERICA's **SUMP PUMP** **REDIRECTION** **PROGRAM**

FOR SEWER CUSTOMERS

Disconnect
& Redirect!



"Squirt"

TOWN OF BILLERICA
DEPARTMENT OF PUBLIC WORKS



What is the Sump Pump Redirection Program?

The Sump Pump Redirection Program is a three-phase Town program to locate and redirect sump pump discharges from the sanitary sewer system to another acceptable location. The Program's goal is to allow property owners to keep their sump pump but disconnect it from the sanitary sewer. The Town's recently completed sewer system metering program and follow-up evaluation work continues to document a high number of sump pumps connected to the sewer system.

Phase 1 is a survey to help the Town determine how many property owners have sump pumps and whether they are connected to the sewer. **The Town is requesting that everyone who is connected to the Town's sewer system and receiving this brochure return the survey form even if you do not have a sump pump.** In Phase 2, the Town will work with property owners to determine the most acceptable redirection option for sump pumps connected to the sewer. In Phase 3, the Town will work with each property owner to re-direct the sump pump discharge. The Town has created a new web page for the Program at www.billericadpw.org where information and materials can be found. *Participation in this Program is voluntary.*

Why is the Sump Pump Redirection Program important?

Removing sump pumps from the sewer system will reduce sewer system backups and overflows and lessen the strain on the wastewater treatment plant during heavy rain events. The sewer system and treatment plant are not designed to handle flow from sump pumps. Sewer backups and overflows are a public health risk and harm the surrounding environment, including the Shawsheen and Concord Rivers. Sewer backups and overflows lead to higher sewer bills and reduced property values. The Town is working with the Massachusetts Department of

Environmental Protection (MADEP) to reduce the amount of rainwater and groundwater entering the sewer system. This effort is required by our EPA discharge permit for the treatment plant. Removing sump pump connections to the sewer system will also free up valuable capacity so the Town can extend sewers to other neighborhoods and businesses.

Do sump pumps connected to the sewer system cause a problem?

Yes. A sump pump can contribute over 5,000 gallons per day of unwanted groundwater to the sanitary sewer system. An 8-inch sanitary sewer can accommodate waste flows from up to 200 properties, but the sump pump discharge from only eighteen properties will overload this same line. This overload can lead to sewer backups and overflows that could back up into your basement.

Where should my sump pump discharge to?

A properly installed sump pump should discharge to the ground or an on-site infiltration system on your property, or to a Town-approved location. You can view drawings on the Town's sump pump web page that show correct and incorrect sump pump installations. Some builders, plumbers, or property owners may have incorrectly connected sump pump discharge pipes to the sewer system. The Sump Pump Redirection Program provides an opportunity for property owners to correct this problem.

What is a sanitary sewer and a storm drain?

A sanitary sewer is a pipe that collects wastewater (waste generated by toilets, showers, and washing machines) from residences and businesses and connects to a system of manholes, pipes, and pumps to transport the wastewater to the Town's wastewater treatment plant where it is treated to a high degree and discharged to the Concord River.

A storm drain collects rainwater and snow melt from streets, sidewalks, yards, and other outdoor areas and typically discharges to a river, stream, or pond. Since this water is relatively clean, it is usually not treated before discharge.

How does the Sump Pump Redirection Program work?

Participation in the Program is voluntary. In Phase 1, you complete the form located at the end of this brochure or on the Town's sump pump web page. This first step will enable the Town to determine how many sump pumps there are and how many may be connected to the sewer system. If you decide to participate in the Program, the Town will schedule a free property visit and sump pump connection assessment in Phase 2. Evening appointments will be available. You can also schedule a property visit on line at www.billericadpw.org. The visit will assess your sump pump system, and if you are connected to the sewer system, determine how the discharge can best be re-directed from the sewer to another acceptable location. If required, the proposed solution will be designed and presented to you for approval. In Phase 3, the Town will work with each property owner to install the solution identified in Phase 2. **Your participation in this program is key to its success.**

Who is paying for the Sump Pump Redirection Program?

The Town has appropriated funds to start this project as part of the Infiltration/Inflow (I/I) Program funding article at the 2012 Annual Town Meeting. With these funds, Phase 1 has been initiated and Phase 2 has funds to start working with property owners to determine acceptable solutions. Once the number of participating properties is determined and a budget for re-directing the sump pumps is available, subsequent funds for installing the redirection option can be requested from Town Meeting.