

PRO^{H₂}GRESS

Promoting Regional Opportunities for Growth - Recognizing Environmentally Sensitive Settings | A Newsletter Serving Dayton, Harrison Township, Huber Heights, Riverside, Vandalia, & WPAFB

Driving Home the Message:

Fire & Water: Working together to protect your drinking water

The Dayton Fire Department (DFD) Community Services Division began a partnership with the Dayton Source Water Protection Program (SWPP) 21 years ago in order to reduce the risk of groundwater contamination. Collaborative activities include facilitating fire prevention, emergency planning & preparedness, and educational outreach.

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H2knOw Update:

On June 20, 2018, the Source Water Protection Program (SWPP) held its second H2knOw at the Business Solutions Center. The focus of the event gave businesses a brief history of the SWPP and provided them information on the funding opportunities available for best management practices (BMPs) and risk reduction projects. Attendees were welcomed by Michael Powell, Director, City of Dayton, Department of Water and Aaron Colson the SWPP Risk Assessor.

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Early Warning Wells:

Drilling and Installation

The City of Dayton, through the Source Water Protection Program (SWPP) uses groundwater monitoring to track and prevent adverse impacts to our water quality. This monitoring is accomplished using an early warning (EW) monitoring well system that surrounds the wellfields.

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One of the most recent and noticeable examples is the inclusion of a logo vehicle wrap for the purpose of educational messages concerning the SWPP. Additionally, upgraded features inside the new vehicle will allow DFD's SWPP representative to access computer aided design software (CAD), incorporate mobile reporting, provide updates to emergency responders, and act as a liaison to assist crews in providing quick response through an on-call status.

This visual presence of the specialized unit operating in the Source Water Protection Area (SWPA) promotes public outreach concerning groundwater, drinking water, and storm water protection using the "rolling billboard" (window wraps).

"Having a visual component has drawn attention to both fire prevention and groundwater protection", stated Jason Eckert Fire Prevention Specialist 1, City of Dayton Fire Department. "This has allowed us to inform the public about the relationship of the SWPP and Fire; How they relate in the protection of our drinking water source while simultaneously reducing the risk of injury and death from fire."

The Fire Department is pleased to maintain such a positive and effective long-term partnership with Dayton's Multi-Jurisdictional Source Water Protection Program.



HOT TIPS

Fire Inspections:

A fire can be devastating. It can put you out of business for a considerable amount of time, if not permanently. As a business owner, welcome your fire inspector with open arms. A fire inspector is not there to put you out of business. In fact – just the opposite; a fire inspector works to assist you in keeping your business up and running. During the inspection, the fire inspector becomes familiar with your property. The objective is not to find deficiencies, but to inform and provide knowledgeable advice about the fire code to ensure a safe working environment.

HOW DOES YOUR BUILDING FARE?

- Are exits properly marked and illuminated?
- Are there a minimum of two exits from each area?
- Are the exit plans/maps posted and visible for all to read?
- Are all marked exit doors unlocked?
- Can all exit doors be opened with less than a 15-pound force?
- Can all exit doors be opened without having special training or knowledge?
- Is the path of travel free from all obstruction? (Hint: Snow accumulation and ice are considered obstructions. Keep the exit discharge area free of snow and ice.)

REMEMBER: Always provide a safe path of travel to exit the building.

For information concerning fire codes, contact your local fire department.

H₂KNOW LUNCHEON

H2knOw Update:

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Jim Shoemaker, City of Dayton Hydrogeologist, gave a brief history of the SWPP. This included how BMPs are critical in preventing spills and leaks of chemicals that not only have the potential to negatively impact the groundwater, but can have a negative impact to a business' bottom line. "Risk reduction using source control is the ounce-of-prevention approach to chemical/waste management. Reducing the amount of chemicals and applying best management practices means less chemicals/waste to control, treat, and dispose (and therefore less cost to the business). It also means less potential risk to employees and for public health - including the water we drink every day. Preventing contamination at the source is by far cheaper than cleaning it up after the fact. Once contamination reaches the groundwater, costs to remediate can easily reach seven figures." stated Jim.

Brian Hyland of Hyland Screw Machine Products, who spoke at the previous H2knOw, shared how using the grant money awarded him by the SWPP Board, allowed him to install BMPs and won the business a new client.

Sharon Herman of STONE Environmental, Engineering & Science provided information on and examples of secondary containment BMPs and spill prevention.



Attendees were provided a free spill kit and a bag of absorbent.

Janet White of CityWide Development Corporation was available at the H2knOw to answer questions concerning the easy one-page Funding Application for grants up to \$10,000 and to provide assistance in completing the application.

Attendees completed a survey at the end of the event. The results have provided us with suggested topics and services that are of interest to businesses, such as: risk reduction projects, financial assistance, chemical waste removal, promoting businesses with groundwater protection efforts, and that the H2knOw Luncheons are an effective, beneficial, and a personable method for providing information and having direct contact with staff.

"We have held two H2knOws with a third planned for October 10, also at the Business Center" stated Aaron Colson, City of Dayton Risk Assessor and coordinator of the H2knOws. "The attendance has shown that they are a successful means of informing businesses about the Source Water Protection Program."

JOIN US ON OCTOBER 10th

H₂KNOW LUNCHEON

October 10, 2018

11:45 a.m. to 1 p.m.

Business Solutions Center

1435 Cincinnati St
Dayton, OH 45417

Lunch will be provided

Learn how fire prevention can benefit your business while protecting our region's drinking water.

The Dayton Fire Department and the Source Water Protection Program have teamed up to promote groundwater protection. Join us during National Fire Prevention week to learn what actions your business can take to help protect our drinking water. Fire Safety & Prevention presented by Jason Eckert, Fire Prevention Specialist for the City of Dayton Fire Department. Find out about funding opportunities available for Best Management Practices and Risk Reduction projects.

Please RSVP by October 4, 2018

For more information visit daytonwater.org or call 937-333-3725.



SOURCE WATER PROTECTION SITE ASSESSMENT

What is a Source Water Protection Site assessment (SWPSA)?

A SWPSA is a careful look at your workplace surroundings, processes, and conditions that may have the potential to contaminate the aquifer. After identifying any potential risks, Best Management Practices (BMPs) are implemented that control or prevent the harmful situation from occurring. A SWPSA is a process that:

- Identifies potential risks
- Evaluates the risk
- Determines considerations for improvement

How does having a SWPSA relate to groundwater protection?

The purpose of a SWPSA is to evaluate any potential contamination sources within the 5-Year Time-of-Travel area to the Well Fields. This area includes the Water Protection Area (WP), the Water Operations Area (WO), and the Water Resource Area (WR).

By identifying processes, situations, and conditions that could have a negative impact to groundwater, actions can be taken to protect our drinking water source by eliminating or reducing the impact of the identified cause.

What does a SWPSA mean to businesses located in the Source Water Protection Area?

When businesses become more aware of procedures and processes that potentially pose a risk to groundwater, proactive actions can then be implemented to reduce or eliminate liability.

What resources are available to business in the Source Water Protection Area to assist in reducing risk to groundwater?

- Funding: The Source Water Protection Fund provides grants to support risk reduction efforts. Examples include: Risk Point Buy Downs, secondary containment options, spill kits, and storage upgrades. All projects must be approved prior to any work being performed or purchases being made.
- SWPP Staff: A SWPSA can be performed at no cost to determine potential risks, corresponding risk reduction projects, and financial assistance available to assist businesses in these efforts.
- Training: H2knOws and on-site presentations are being offered to businesses for their employees. These training sessions are offered free of charge. Topics will include: spill prevention and response, emergency contact procedures, chemical handling and labeling, and Best Management Practices.

Schedule your free site assessment today.

TO LEARN MORE:

Visit www.daytonwater.org

For more information or to schedule a SWPSA, contact Aaron Colson (937) 333-3725
aaron.colson@daytonohio.gov



Early Warning Wells:

Drilling and Installation

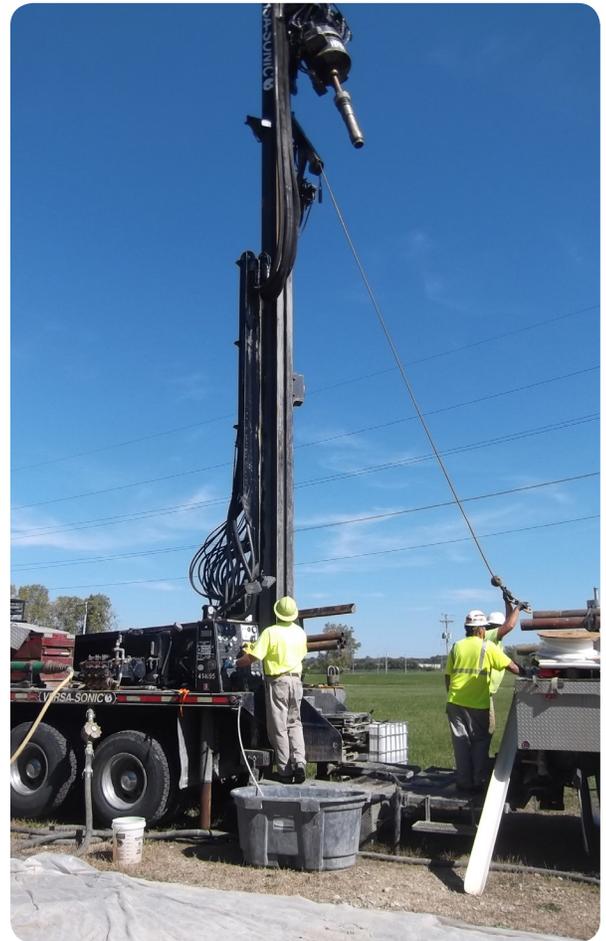
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The EW wells are located in the three SWPA districts; Water Operations (WO), Water Protection (WP), and Water Resource (WR). This system allows for emergency response and time-critical groundwater investigations to be initiated in response to spills/releases which have the potential to impact groundwater. The routine sampling and investigations are performed to enhance our understanding of the groundwater quality and the underlying aquifer composition to determine the appropriate mitigation remedy if needed.

The siting of the wells is vital in gathering more information on:

- 1) Known areas of contamination (plume delineation) that we currently monitor,
- 2) Areas where a suspected release/spill may have occurred, underground storage tanks have been discovered, or a fire or illegal dumping may have occurred, and
- 3) How groundwater flow is being effected by natural events or due to pumping/withdrawal.

With this enhanced coverage in the WP (1-Year Time-of-Travel to the Well Fields) and the expanded monitoring into the WR (5-Year Time-of-Travel to the Well Fields) - 126 new wells have recently been installed; bringing the number of monitoring wells to 350.



DATES **2** Remember

For a list of vendors that handle the disposal waste, call the Montgomery County Solid Waste District Recycle Hotline at (937) 225-4999.

For more information:

- McMRF website: www.mcswd.org
- John Woodman at 937-781-3061
woodmanj@mcoho.org



Business electronics drop-off dates

8:00am - 4:00pm

September 26, 2018

October 31, 2018

November 28, 2018

December 26, 2018

January 30, 2019



MULTI-JURISDICTIONAL
**SOURCE
WATER
PROTECTION**

Source Water Protection Board
City of Dayton
320 W. Monument Ave.
Dayton, Ohio 45402

www.daytonohio.gov

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PROGRESS

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FALL 2018

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Wright Patterson Air Force Base