

What is Wellhead Protection?

WELLHEAD PROTECTION is a method of preventing contamination of a public water supply well by effectively managing potential contaminant sources in the area which contributes water to the well.

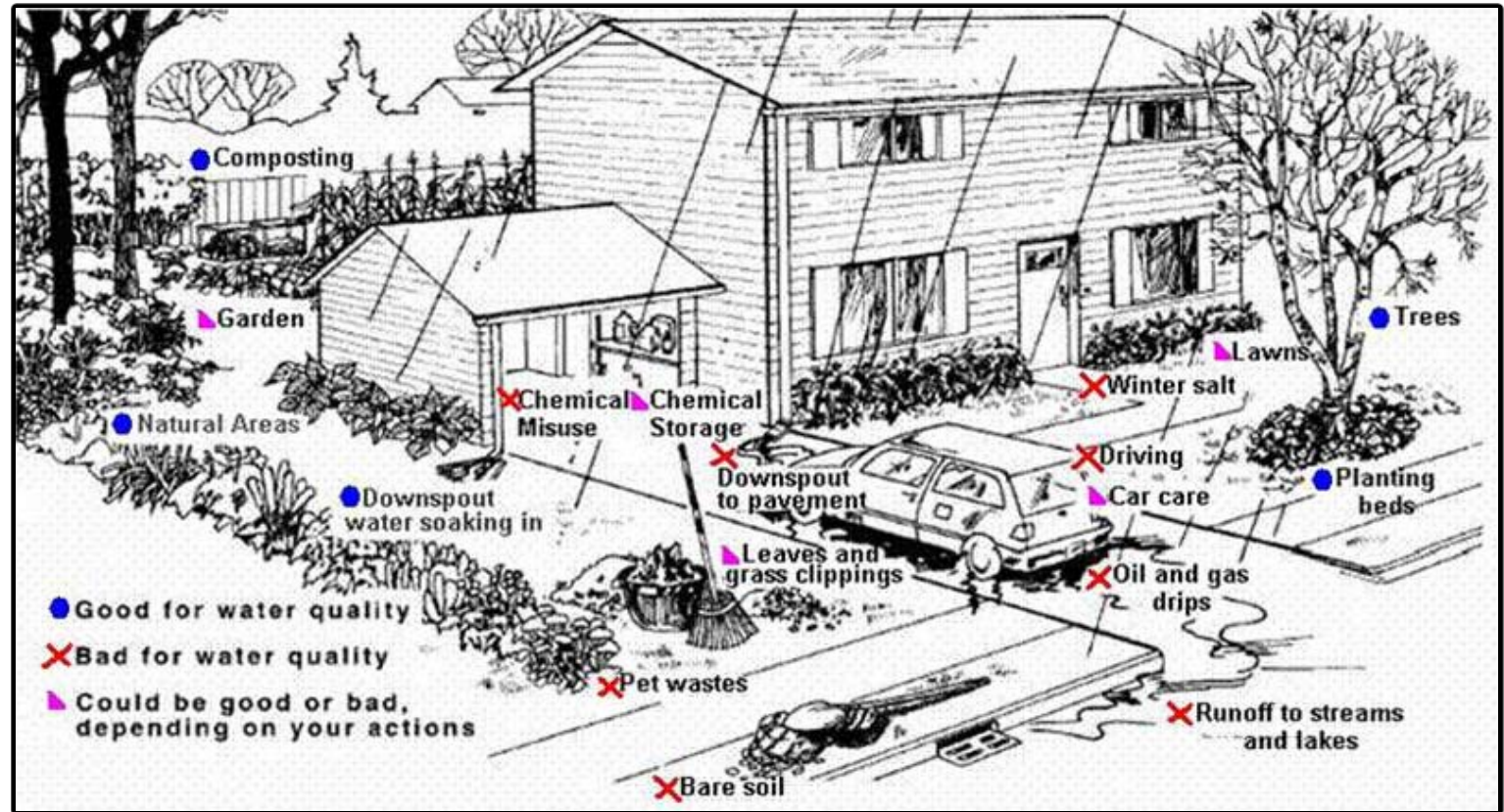
Your “Wellhead Protection Area” (WHPA) is the land surface surrounding the well where rainfall trickles down to the groundwater and is then pumped out by your wells. This “recharge zone” is the area that potentially affects your source water, and is also called the “Source Water Protection Area”. Your WHPA is the boundary of the subdivision.

Wellhead protection helps safeguard community water supplies; while your community has developed a wellhead protection plan, everyone needs to get involved for the plan to be successful!

Why Does Source Water Protection Matter to Me?

- The quality of drinking water affects public health
- The quality of drinking water affects the economic well-being of our communities
- Once the water is contaminated:
 - Clean-up is costly and may not be feasible
 - Required treatment adds to management and operating costs
- Developing new sources is expensive

What are the Threats to My Drinking Water?



Examples of Situations and Activities Around Your House that Can Affect Your Water Quality

Where is My Source Water Protection Area?

Your Wellhead Protection Zone

A vast majority of the recharge zone for the wells that provide your drinking water are within your subdivision. This means that any activities on your property could potentially have an impact on your drinking water and is the first area of focus for wellhead protection.



Protecting Your Groundwater

What to do:

- Recognize and manage possible sources of contamination on your property
- Use hazardous products as directed and dispose of them properly
- Conserve water
- Use biodegradable soap when washing your car
- Select plants in your yard that require low fertilizer application



What NOT to do:

- Do not dispose of used motor oil and other hazardous chemicals by pouring them on the ground or down the drain.
- Do not indiscriminately spray pesticide where a pest problem has not been identified.
- Do not dump chemicals down the storm drains.
 - Do not apply fertilizers or fungicides outside of the manufacturer's specifications or when it is not necessary

Ways to Get Involved:

- Participate in clean-up activities in your neighborhood
- Help identify potential sources of contamination in your source water protection area
- Help educate your neighbors and others about the source water protection

Quick Summary Review of Wellhead Protection

- Your community is privileged to have extremely high quality drinking water. Conservation of this water is essential.
- Your community is taking a proactive approach to ensure that your drinking water stays safe and pure.
- You are living on top of your drinking water and your actions can affect the drinking water for the entire community.
- Replacing a contaminated water source is costly and could affect your water bill.

More Information is Available

On Source Water Protection:

www.epa.gov/safewater/protect.html

On Management of Pesticides and Fertilizers:

www.chesapeakebay.net/pubs/781.pdf

On Loudoun Water:

www.loudounwater.org

For questions regarding the Loudoun Water Wellhead Protection Plan contact:
Todd Danielson
Manager of Community Systems
571.291.7835

KEEPING YOUR
DRINKING WATER SAFE

Raspberry Falls



LOUDOUN  WATER

Presents

Your Wellhead Protection Plan

Prepared in cooperation with:

