

APPENDIX E

Barnesville Source Water Protection Brochure

For questions about the Village of Barnesville's drinking water source protection plan, contact:

Roger Deal, Village Administrator
740-425-1880
admin@barnesvilleohio.com



Protecting the Village of Barnesville's Source of Drinking Water



Slope Creek Reservoir

*Steps our community can take to ensure
a safe supply of water for the future.*

For more information about Drinking Water Source Protection in Ohio, contact:

Ohio EPA—Southeast District Office (Logan)
740-380-5445

or

Ohio EPA—Central Office (Columbus)
(614) 644-2752

or visit Ohio EPA's source water protection program website at:
<http://lepa.ohio.gov/ddagw/swap.aspx>

Where does Barnesville's drinking water come from?

Barnesville updated its water treatment plant in 2002. The plant filters, disinfects and fluoridates raw water from three reservoirs located to the south and east of town. Reservoir 1 and 2 are located approximately 1 mile south of town and contain 85 and 30 million gallons of useable water, respectively. Barnesville's largest reservoir, Slope Creek Reservoir, is located approximately 5 miles south of town and contains 750 million gallons of water when full. Map illustrations of the 3 reservoirs are shown on the opposite page.

What are the main threats to source water quality?

The village has identified several potential contaminant sources to the village's reservoirs, including releases/leaks/spills from oil and gas development activities, spills from roadway truck accidents, runoff from agricultural activity and releases from local septic systems.

How to protect Barnesville's Sources of Drinking Water?

The best way to prevent impacts from spills, accidents or runoff involves contingency planning and outreach initiatives. The Village of Barnesville is already anticipating possible truck accidents south of town on State Route 800, near reservoir #1. In the event that an accident occurs and liquid materials must be intercepted before reaching the reservoir, emergency management impoundments have been constructed between the road and the reservoir.

The village is also working with the local oil and gas companies who own mineral rights around the Slope Creek Reservoir. If possible, the village and its contract oil and gas companies will be locating drilling pads outside of the reservoir protection areas. However, if drilling pads and associated structures are to be built within the reservoir protection areas, locating these well pads in less vulnerable settings will be attempted, and additional engineering controls and communication planning will be requested.

The village will also be partnering with the Belmont County Soil and Water Conservation District, the Farm Service Agency, the Ohio State University Extension, and the Belmont County Health Department, to support safe and sustainable agricultural practices and rural sewage treatment in the 3 reservoirs watersheds.



Barnesville's Slope Creek Reservoir. The reservoir's watershed is illustrated with the yellow line. The shaded area represents the source water protection area.



Barnesville's Reservoirs #1 and #2. The watershed boundaries for the reservoirs are illustrated with the yellow line. The shaded area represents the source water protection area.