



*Improving the Quality of Life in Rural Ohio*

## **2017 Fourth Quarter Report CASE STUDY: OHIO RURAL WATER ASSOCIATION AND THE VILLAGE OF CADIZ**

The Village of Cadiz recently contacted an Ohio Rural Water Association Wastewater Technician regarding an issue they were having with trickling filters. Unfortunately, an Ohio EPA representative was at the Cadiz site and had told them that the problem needed correcting ASAP, or a violation would be issued.

This problem was very tricky, as recent bitter cold temperatures caused excess build-up of ice on the equipment's spray arm, causing the clarifier to stop working. Solutions were discussed, but it seemed that they all could further damage the equipment.

The ORWA Wastewater Technician then came up with an out-of-the-box idea: Use domestic water from a nearby hydrant to thaw the ice, banking on the notion that the domestic water temperature should be 55-60 degrees. The high flow from the domestic hydrant worked. Personnel from the Village of Cadiz continued to thaw with the hydrant, and the #1 clarifier was back online later that same day.

*The Ohio Rural Water Association was founded in 1976, with the goal of improving the quality of life in rural Ohio. With funding primarily through membership dues and federal grants, ORWA offers free on-site technical support to water and wastewater systems, both large and small. This includes: assistance with the operation and maintenance of water and wastewater treatment plants; source water protection planning; and distribution system troubleshooting such as leak detection, smoke testing, line locating, and sewer line inspecting. ORWA also offers training opportunities on the operation, management, finance, and governance of water and wastewater utilities.*

**Contact Information:  
Joe Pheil, Executive Director  
55 Whites Road  
Zanesville, OH 43701  
740-455-3911  
joe@ohioruralwater.org**