

Ohio Fire Chiefs Association Water Supply Technical Advisory Report

The Water Supply Technical Advisory Committee (WSTAC) continues to develop and train on alternative water supply methods (formerly known as rural water supply) to improve the ability of departments to deliver water in the absence of a pressurized water distribution system. WSTAC is working on developing methods and tactics for large volume water demands for pressurized water systems as well. This work makes WSTAC focused on all aspects of water supply not just alternative water supplies.

Training

With pandemic restrictions easing, WSTAC is getting back to assisting departments with training. The committee has assisted several departments this year with water supply training.

Ed Collet will be present at the Fire Department Instructors Conference (FDIC) in August on tactics and challenges of water shuttle operations in the suburban and urban environments.

If your department would like WSTAC to assist with you water supply training please contact Ed Collet (EdCCollet@gmail.com 330-256-3188) or Jim Delman (idel39@gmail.com (740)312-5058)

Emergency Response Plan

As part of his Executive Fire Officer project, Lee Adams is working with the Emergency Response Plan (ERP) to improve the database and typing of tender available within the ERP. This project will greatly improve the state's ability to organize and respond the proper water supply resources when needed for a large-scale event. As part of this projects, Lee has sent out questionnaires to many departments to gather needed information. We would like to thank all the departments who responded to the information requests. This will allow Lee to develop the most robust and workable solution for water supply in the construct of the ERP.

Research

Jeremy Keller continues to develop predictive modeling tools for departments to better plan resource response for water shuttles. He has developed a model for determining theoretical the dump rate performance of tankers. These models are valuable tools in planning water shuttle operations.

There are several on-going research projects for equipment and methodology optimization.

Water Source Development

WSTAC is working with Holmes Country District 1 to identify and evaluate locations for bridge mount dry hydrants. This evaluation includes steam hydrology at potential sites and bridge hydrant design. The project will great expand the available water supply for the department.