

The city of Worcester Massachusetts maintains and operates a 50-million-gallon-per-day water treatment plant to comply with federal regulations and, more importantly, meet the water quality and public health needs of the area. The treatment plant utilizes a series of ten surface water reservoirs located in Leicester, Paxton, Rutland, Holden, and Princeton. The ten reservoirs combined, hold over 7 billion gallons of water. To protect this resource, the city of Worcester is seeking a method of monitoring and assessing potential threats to their reservoir system. The QUPID perimeter guard sensor system is an ideal sensor for this application. Initially two QUPID devices are to be mounted on the roof of the chlorine treatment building. More sensors (up to 4 on this Experimental License) will be deployed as the need arises. The purpose of this deployment is to test the effectiveness of the sensor system in protecting this very important resource.

Approximately 200,000 people depend on this reservoir system for their drinking water. Protecting these types of resources is a growing national priority. The purpose of these tests, and in requesting this Experimental License, is to evaluate the capabilities and viability of using the QUPID sensor in protecting the reservoir system from malicious attacks. Granting this Experimental License request will allow these important tests to take place.