

## Exhibit 1

### “Continuous Water Quality Monitoring Network”

**Project Description:** Performing Party shall establish, operate and maintain water quality monitoring stations in streams, lakes, rivers, or other water bodies within one hundred miles of San Marcos, Texas. The stations will consist of ambient water quality monitoring instruments, meteorological instruments, and ancillary equipment. The primary objective of these new monitoring stations is to provide continuous monitoring of area water quality. The information collected will be non-regulatory, and will be used to monitor the quality and safety of Texas surface waters, and to assess the state of the environment with real-time or near real-time monitoring data. SEP monies will be used to pay for the instrumentation, installation, and maintenance and/or operation of the instrumentation, data validation, software license, and web server costs.

**A. Instrumentation.** Each site may be comprised of any combination of the following water quality monitoring, communications, and support equipment: wet chemistry auto-analyzer; calibration standards and reagents; in-situ flow monitor; automated sampler; submersible pump and associated sample collection equipment; self-priming pump and associated sample collection equipment; multi-parameter sonde unit(s) and associated cables; data logger; modem(s); signal router(s); signal splitter(s); power supply (primary and backup); desktop computer(s); station trailer; and/or, traffic control box. The exact configuration will vary depending upon the parameters to be monitored and the intended use of the data.

**B. Operation and Maintenance.** Performing Party shall manage the project with faculty and students from the University, and may use subcontractors to perform work as needed. All operation and maintenance will be conducted consistent with established standard operating procedure(s) (SOPs) approved by TCEQ prior to their implementation.

**C. Data Management.** Monitoring sites are intended for continuous non-regulatory water quality monitoring. Performing Party shall bring data obtained from the monitors directly into the TCEQ MeteoStar System using hard-wired modems, wireless modems, or GOES satellite modems, as the case may require, at Performing Party’s cost and be made available to the public via the TCEQ website as soon as possible upon availability. Performing Party shall also provide contact information on the TCEQ website to answer questions in a timely manner (during normal business hours) regarding data quality from the measurements obtained from their sites.

**Environmental Benefit:** The Continuous Water Quality Monitoring Network project will provide valuable data to provide information in assessing the state of water quality in area streams, rivers, and lakes, and to provide an early detection system for potential pollution sources. Identifying pollution sources will assist government entities in addressing negative impacts to our sources of recreational and drinking water.

**Project Budget Maximum:** \$50,000 annually, with higher amounts approvable if coordinated with receiving entity.

**Minimum Contribution:** \$1,000.

**Counties:** Bandera, Bell, Bexar, Blanco, Burnet, Hays, Lee, Travis, and Williamson.