

Division of Water

Request for Legislation

The Division of Water seeks ordinance authority to enter into a direct award contract with the Hach Company for laboratory supplies and chemicals for the Hach equipment CWD uses to test drinking water.

Background/Purpose:

Cleveland Water conducts a variety of tests related to the production and delivery of drinking water, upwards of 160,000 every year. Many of these are used to comply with Ohio Environmental Protection Agency rules and regulations. Additional testing, operational in nature, monitors water treatment processes and chemical feed systems for efficiency and safety inside the plants, and monitors the potability of water in the distribution system. Finally, a number of analytical tests are performed on chemical deliveries to ensure proper payment is made, and on waste streams. These analyses rely upon properly functioning high-end laboratory equipment, handheld testing devices, and wall-mounted cabinet devices throughout our four treatment plants, storage tanks, pump stations and remote chemical feed facilities.

Hach Corporation is the industry leader in water testing and analytical equipment. Cleveland Water has many pieces of Hach equipment throughout our system. Due to the exacting nature of this equipment, proper chemicals, reagents, and standards must be used. The Division of Water has found "or-equal" chemicals do not perform adequately. In the past, we have had to discard "or-equal" chemicals used with Hach equipment because of inferior performance or even damage to the Hach equipment. As a result, we have more recently relied solely on Hach chemicals and supplies for Hach equipment, with good results.

The contract for laboratory supplies for Hach equipment has been below \$50,000 for many years. We have recently increased the number of Hach devices used in many areas of our operation, thereby requiring more chemicals and supplies. Much of this is related to Ohio EPA regulations; some of it is related to increased customer expectations and some is related to equipment advances that allow monitoring in ways we were unable to in the past. The Division of Water can no longer work under the \$50,000 limit and now must request legislation to authorize a higher amount.

Scope of Work/Commodities/Services:

Laboratory supplies will be purchased from Hach for their equipment, including but not limited to the following: HQd plug-and-play meters, probes and appurtenances; DR spectrometers and appurtenances; equipment for EPA compliance tests for assorted parameters; instruments including but not limited to portable and laboratory spectrometers, colorimeters, turbidimeters, titrators and appurtenances; electrochemical meters, probes and appurtenances; portable testing kits for assorted EPA compliance methods; various fine chemicals and reagents; assorted sample cells and appurtenances; environmental sampling products and accessories including but not

limited to controllers for portable, refrigerated or all-weather samplers; and other assorted laboratory supplies and consumable products for Hach instruments.

Justification/Urgency:

Ohio EPA requires that various tests be conducted on continuous, daily, weekly and monthly bases, and additional tests are being added by the Ohio EPA. Changing seasonal water quality due to harmful algal blooms and hypoxic water ("Dead Zone Water") have led to increased raw and finished water monitoring, to ensure compliance and customer requirements are being met. The chemicals and supplies for these tests are used continuously.

Anticipated Costs and funding source:

CWD General Operating Fund or Capital Funds will be used as appropriate.

Schedule or Term of Contract:

Legislation will to lead to a direct award contract with Hach for a term of two years, as follows:

Year One	\$75,000.00
Year Two	\$75,000.00

The total two year contract will be for \$150,000.