

**RESOLUTION AUTHORIZING THE SOLE SOURCE PURCHASE OF A XYLEM YSI
PONTOON VERTICAL PROFILER SYSTEM FOR LAKE TOWNSEND WATER
TREATMENT PLANT RAW WATER INTAKE**

WHEREAS, Water Resources requests approval to sole source the purchase of a pontoon vertical profiler system from Xylem YSI located in Yellow Springs, Ohio;

WHEREAS, City Council approval is required to sole source a purchase under State Public Contracting Statute GS 143-129 (e)(6) which allows exceptions to the letting of public contracts for the purchase of apparatus, supplies, materials or equipment when standardization or compatibility is the overriding consideration;

WHEREAS, In light of the vulnerability of the city's raw water reservoirs and water treatment facilities, to potential threats and hazards from water quality and contamination events, the need to incorporate additional resiliency and protection measures became evident.;

WHEREAS, The requested water quality / contaminant alert monitoring system is comprised of a floating pontoon anchored to the bed of Lake Townsend in such a way that it continuously samples and reports water quality parameters from waters immediately adjacent to the treatment plant intake.;

WHEREAS, The system is designed both to optimize treatment processes for the Townsend Water Treatment Plant in response to raw water changes and to provide early warning of contamination events so actions can be initiated to protect the public water supply;

WHEREAS, To help increase the ability to detect petroleum spills a hydrocarbon monitoring instrument will be integrated into the contaminant-alert system. Other sensors will be utilized to help monitor for algae blooms as well as taste/odor issues and other problems that are detrimental to treatment plant processes. The installed sensors will continuously measure lake water quality in order to log environmental conditions that allow Water Supply and Stormwater Division staff to better understand the ecology of the lakes and watershed.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF GREENSBORO:

That the City is authorized to enter into a sole source purchase of a Xylem YSI Pontoon Vertical Profiler System from YSI Integrated Systems and Services for the Lake Townsend raw water intake subject to the terms outlined above. The Mayor and/or City Manager and the City Clerk are hereby authorized to execute on behalf of the City of Greensboro a proper contract to carry the proposal into effect, payment to be made in the amount of \$150,000 from Water Resources Operating Fund Account No. 501-7025-01.6059 A19168.