

ORDINANCE NO. 03-34 AC CMS

**AN ORDINANCE AUTHORIZING BURGESS & NIPLE, LTD., TO PERFORM
ADDITIONAL ENGINEERING WORK RELATED TO THE PROPOSED IMPROVEMENTS
AT THE OBERLIN WATER TREATMENT
PLANT AND DECLARING AN EMERGENCY**

BE IT ORDAINED by the Council of the City of Oberlin, County of Lorain,
State of Ohio, five-sevenths (5/7ths) of all members elected thereto concurring:

SECTION 1. That the City Manager is hereby authorized and directed to execute the attached agreement with Burgess & Niple, Ltd., engineers, for additional engineering work related to the proposed improvements at the Oberlin Water Treatment Plant in an amount not to exceed \$5,000.

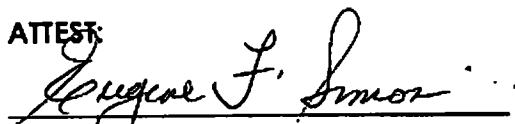
SECTION 2. It is hereby found and determined that all formal actions of this Council concerning or relating to the adoption of this ordinance were adopted in an open meeting of this Council, and that all deliberations of this Council and of any of its committees that resulted in such formal action, were in meetings open to the public in compliance with all legal requirements, including Section 121.22 of the Ohio Revised Code.

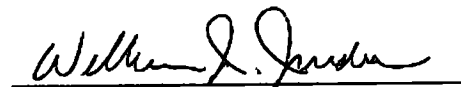
SECTION 3. That this ordinance is hereby declared to be an emergency measure necessary for the preservation of the public peace, health and safety of the citizens of the City of Oberlin, Ohio, to wit:

"to authorize additional necessary engineering work as soon as possible relating to the proposed improvements at the Oberlin Water Treatment Plant in order to ensure the efficient operation of same",
and shall take effect immediately upon passage.

PASSED: 1st Reading – April 21, 2003 (E)
2nd Reading –
3rd Reading –

ATTEST:


CLERK OF COUNCIL


CHAIR OF COUNCIL

POSTED: 4/22/03

EFFECTIVE DATE: 4/22/03



BURGESS & NIPLE

Mr. Jeff Baumann, Director
Public Works Department
85 South Main Street
Oberlin, OH 44074

Re: Granular Activated Carbon Testing

March 31, 2003

Burgess & Niple, Limited
5085 Reed Road
Columbus, OH 43220
614 459.2050
Fax 614 451.1385

Dear Mr. Baumann:

Based on our discussions to date, we have prepared this Proposal for professional engineering services for developing testing protocol and preparing a letter report of the results, with recommendations, for the use of granular activated carbon as a means of reducing the development of disinfection byproducts in the water system. Upon acceptance, this Proposal, as an addendum to the July 1, 2002, Supplemental Agreement Number One, will also serve as our Agreement.

SCOPE OF SERVICES

Burgess & Niple (B&N) will perform the following services:

A. Objective

Engineering services are to be provided to determine the applicability of granular activated carbon (GAC) as a technology for interim improvements at the Oberlin Water Treatment Plant to meet the requirements of the Stage 1 Disinfectants/Disinfection Byproducts Rule.

B. Granular Activated Carbon Study Protocol

Prepare rapid small-scale column test (RSSCT) protocol to evaluate the effectiveness of GAC in dissolved organic compound (DOC) adsorption. The testing protocol is to include testing for the resulting TTHM formation potential, Specific Ultraviolet Absorption (SUVA), and DOC of the treated water, in addition to sample preparation and collection criteria. Two types of GAC will be included in the study.

C. Report

A letter report will be prepared summarizing the findings of all testing. B&N will evaluate results and provide recommendations for efficacy of these technologies for interim improvements. The report will include an estimate of capital and

March 31, 2003

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annualized operating costs for the system evaluated. Partial treatment will be included as a component of the evaluation.

An RSSCT will be conducted by either USFilter/Westates or Calgon Carbon. TOC, DOC, and TTHM formation potential is to be conducted by the testing facility. Costs for collecting, preparing, and transporting samples and running RSSCT, TOC, DOC, and TTHM formation potential tests are not included in this proposal.

The City will perform the following services:

- Provide the necessary water samples and equipment as required;
- Temporarily eliminate pre-chlorination to purge chlorine residual from filtered water, prior to collection of filter effluent for RSSCT testing;
- Collect water sample and ship to outside laboratory for RSSCT testing. This is estimated to require four 55-gallon drums of water in food-grade plastic drums.

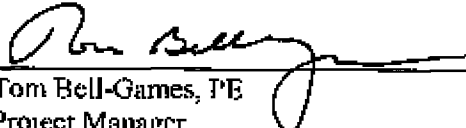
FEE FOR PROFESSIONAL SERVICES

B&N will provide these services on the basis of payroll cost times a multiplier of 2.3 plus reimbursable expenses for the not-to-exceed fee of \$5,000.

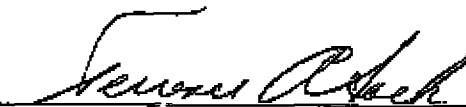
If the terms of this Proposal are satisfactory, please sign and return one copy as our authorization to proceed.

Respectfully yours,

BURGESS & NIPLE


Tom Bell-Games, PE
Project Manager


Manager


Manager

TBG:kha

CITY OF OBERLIN, OHIO


Robert DiSpirito, City Manager


Date

APPROVED AS TO FORM


Eric R. Severs, City Solicitor


Date