

# COUNCIL COMMUNICATION

**From:** The City Manager

**Subject:** AY Consulting Agreement

**Manager's Recommendation:**

I recommend the approval of an agreement for data base management, maintenance, and upgrades to a customized coagulation computer model created by AY Consulting for the WTP in the amount of \$10,000.00 and that a purchase order be issued to them for this amount. The agreement will cover technical support for one year. The agreement has been approved by the City Manager as to substance and the City Attorney as to form.

This vendor meets all requirements of Contract Compliance Provisions, Title 1, Chapter 14, §14.35 – 14.44, of the Saginaw Code of Ordinances.

Funds for the purchase are budgeted in the Water Treatment and Pumping Engineering Services Account No. 591-4730-861.80-02.

**Justification:**

On January 10, 2007, the City received a proposal for the development of a customized computer model to assist the Water Treatment Plant in controlling coagulant chemical feed rates. The Council subsequently approved the work on the customized model.

On October 3, 2008, a new proposal was submitted by AY Consulting for continued support of the model created. Since this is a customized model created specifically for our treatment plant source waters and associated processes, it is a sole source item.

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The model has helped detect and rectify various operational challenges and optimized process operations. The model is identifying the plants optimal coagulation practices and is increasing the operators' awareness of the factors that affected their plants process performances.

The optimization of chemical feed rates continues to be important especially as chemical costs continue to rise. Additionally, there are process changes being implemented at the plant, which will affect the coagulation processes. These include a change in disinfection chemical and the addition of a mechanical mixing device to improve chemical dispersion.

## **Council Action:**

Council \_\_\_\_\_ moved that the recommendation of the City Manager be approved.