

**CITY COUNCIL
COMMUNICATION:**

ITEM _____

**OFFICE OF THE CITY MANAGER
CITY OF DES MOINES, IOWA**

00-324

SYNOPSIS -

AGENDA:

JULY 10, 2000

SUBJECT:

WRA DISINFECTION
STUDY -
PROFESSIONAL
SERVICES
AGREEMENT

An agreement has been negotiated with the engineering firm of CH2MHILL, Inc., a limited liability partnership, Ralph R. Peterson, President, 411 E. Wisconsin Avenue, Suite 1600, Milwaukee, WI, to provide Engineering Services for the WRA Disinfection Study. The proposed fee for these engineering services is \$20,800, which includes \$18,512 for actual costs incurred for direct labor, indirect costs and other direct costs and a \$2,288 fixed fee.

FISCAL IMPACT -

TYPE:

Funding for this project is provided for on page WRA7 of the 2000-01 CIP, CIP Index Code 396267 - WRA Disinfection Study - Account 542010 - Fund EN267 - Organization ENG990000 - Project/Grant WRA068 - Activity ID 01-2000-016.

RESOLUTION
ORDINANCE
RECEIVE/FILE

RECOMMENDATION -

Approval.

SUBMITTED BY:

FLOYD BENTZ, P.E.
CITY ENGINEER

BACKGROUND -

The Wastewater Reclamation Facility needs to perform a study on the disinfection facilities. The existing disinfection system utilizes chlorine gas for disinfection and sulfur dioxide gas to dechlorinate prior to effluent discharge. Chlorine and sulfur dioxide are costly and are hazardous materials. Recent innovations in technology are less hazardous and will be investigated in this study. The study will compare alternative technologies and their respective costs/benefits.

Requests for Proposals (RFPs) for the Sludge Study were sent out to engineering firms on March 8, 2000. These firms were:

- Black & Veatch

- Burns & McDonnell
- CH2MHILL
- Consoer Townsend Envirodyne
- Greely & Hansen
- HDR Engineering
- Howard R. Green
- Olsson Associates

Proposals were received from CH2MHILL and Olsson Associates. On April 13, 2000, the Consultant Selection Committee met. The committee was comprised of City staff from the Engineering Department, and the Wastewater Reclamation Facility. The staff members were Floyd Bentz (ENG), Roger Schletzbaum (ENG), Warren Riekenberg (ENG), Jay Bennett (WRF), Phil Koundakjian (WRF), and Mike Hall (ENG). The committee unanimously selected CH2MHILL.