

**CITY COUNCIL
COMMUNICATION:**

ITEM _____

02-203

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

AGENDA:

APRIL 22, 2002

SUBJECT:

COMPETITIVE
PROCUREMENT OF
A CHEMICAL
INDUCTION UNIT

TYPE:

RESOLUTION
ORDINANCE
RECEIVE/FILE

SUBMITTED BY:

WILLIAM STOWE
PUBLIC WORKS
DIRECTOR

SYNOPSIS -

The Wastewater Reclamation Facility (WRF) requested competitive bids for a Chemical Induction Unit for use in mixing chlorine gas with the plant's effluent for a more effective and efficient disinfection process. Three vendors responded with bids. Of the three received, the lowest bid does not comply with the specifications. Therefore, the WRF recommends awarding the bid to the next lowest bidder (USFilter Stranco Products, 595 Industrial Drive, Bradley, IL 60915, Brian Stoko, Vice President/General Manager).

FISCAL IMPACT -

Funding for the procurement of this Chemical Induction Unit in the amount of \$22,424 is budgeted in Index Code ENG990000, Subsubject Code 543020.

RECOMMENDATION -

Approval.

BACKGROUND -

The WRF annually uses approximately 288,000 pounds of chlorine in the disinfection process of the treated wastewater prior to discharge into the Des Moines River. The Chemical Induction Unit will provide a more efficient mixing of the chlorine gas and treated wastewater, better control of the chemical addition resulting in reduced operating and maintenance costs, and a safer method of handling the chlorine.

The low bid does not meet the bid specification in the following areas:

- Did not include installation, start-up, or training.
- Did not have a propeller for use in mixing.

- Lacked a Control Panel where all operational functions would be located behind the main door and a separate, hinged control panel.

- Wetted parts of the unit that come in contact with non-diluted chlorine gas is not constructed of Grade 2 (unalloyed) Titanium as requested.

For these reasons, staff recommends awarding the bid to the next lowest bidder which fully meets the bid specification.
