

**TOWN OF PRESCOTT VALLEY
REQUEST FOR COUNCIL ACTION**

Date: May 27, 2010

SUBJECT: CH2MHILL OMI - Out of Scope Services - Magnesium Hydroxide Storage and Delivery System

SUBMITTING DEPARTMENT: Utilities

PREPARED BY: Neil Wadsworth, P.E., Utilities Director

AGENDA LOCATION: Comments/Communications , Consent , Work/Study ,
New Business , Public Hearing , Second Reading

ATTACHMENTS: a) OMI Out-of-Scope Services Agreement through Core-Rosion Products

SUMMARY BACKGROUND: This work involves measures to control elevated concentrations of Hydrogen Sulfide Gas (HSG) being produced by sanitary sewer forcemains serving Viewpoint and Pronghorn Developments. HSG is a colorless, malodorous, and flammable gas that is often produced by the bacterial breakdown of organic material. The three primary issues that the Town must contend with in regard to HSG are safety, customer complaints, and corrosion of our sewer infrastructure. Arizona Department of Environmental Quality's Northern Regional Office has been involved in this matter due to the number of odor complaints; a long term solution is needed to remedy this problem.

The Utility Department has investigated the situation and determined that an effective, safe, and economical product to prevent HSG is trademarked under the name of Thioguard. Thioguard is a technical grade slurry of Magnesium Hydroxide and is commonly known to many individuals as Milk of Magnesia.

The plan involves installation of Thioguard dispensing equipment, per Figures 1 thru 2, at the Viewpoint Lift Station. Said application point is advantageous due to the convergence of both wastewater flows at Viewpoint Drive and Pronghorn Ranch Parkway.

Treatment, maintenance, and operation of sanitary sewer system falls under the jurisprudence of our contract operator, Ch2MHill - OMI. An out-of-scope services agreement in the amount of \$38,985.00 is necessary to fund the project. Annual operating costs are anticipated to be about \$25,000 per year and this cost has been accounted for in the FY 10/11 budget.

OPTION ANALYSIS: The Council may vote to:

- 1.) Approve Out-Of-Scope Services with CH2MHILL OMI , **OR**
- 2.) Disapprove Out-Of-Scope Services, **AND/OR**
- 3.) Direct staff to pursue other options

ACTION OPTION: Motion to approve the Out-Of-Scope Services with CH2MHILL OMI, in the amount of \$38,985.00 for this project, **OR** alternate motion. **VOTE**

RECOMMENDATION: Staff recommends approval of Out-Of-Scope Services to CH2MHILL OMI.

FISCAL ANALYSIS: The Fiscal Analysis is shown in Table 1 below:

Table 1

Sewer

Magnesium Hydroxide Storage and Delivery System	
HTE Code(s): 501-7010-700.73-20 Finance Proj. # TBD	
FISCAL YEAR 2009/2010	Budget: \$41,000.00
	Expended & Encumbered: \$0.00
	Out-Of-Scope Services <u>-\$38,985.00</u> < (this action)
	Balance: <u>\$2,015.00</u>
FISCAL YEAR 2009/2010	

REVIEWED BY:

Management Services Director _____

Town Clerk _____

Town Attorney _____

Town Manager _____

COUNCIL ACTION:

Approved Denied Tabled