

RENOVATIONS COMPLETE . . .

GLIDDEN CITY OFFICIALS TOUR WATER TREATMENT PLANT

The December 12, 2005, regular Glidden City Council meeting was preceded by a tour of the recently completed renovation of the water treatment plant.



Laurie Twitchell, FOX Project Engineer, describes new chemical feed equipment to Mayor and Council Members



Council Members inspect automated softeners and new aluminum filtration unit.

The Mayor, City Council, City Administrative Staff and the media were guided through the treatment plant by representatives of FOX Engineering, the design consultant, and PeopleService, the contract operator of the plant. During the formal meeting, the Mayor and members of the Council expressed their thanks to the contractor, engineer, and operator for successful completion of the project within the budget.

The cost of upgrading the existing treatment facility totaled \$637,512 including new filtration and softening equipment, pumps, controls, and chemical feed equipment. The project also involved rehabilitation of the existing building including new doors and windows, siding, roof, ceiling, painting, lighting, and heaters.

FOX was retained in 2003 to evaluate the existing treatment facility based on projected water use in the community. The existing filter and softeners were in very poor condition providing only 50% reduction in hardness. Estimated construction costs ranged from \$400,000 for partial rehabilitation of the existing treatment facility to \$1,265,000 for a completely new facility. The City Council elected to replace all treatment process equipment in conjunction with rehabilitation of the existing building at an estimated construction cost of \$680,000.

Bids were received in October 2004 with the low bid of \$627,770 from Krudico, Inc., Auburn, Iowa,. Major challenges during construction were maintaining water service during the replacement of filtration and softening equipment and what unforeseen difficulties may be encountered during rehabilitation of the building. Filtration and disinfection were maintained during



replacement of the softeners, and chemical feed in conjunction with the new softeners provided for iron removal until the new filters were installed. Problems experienced during construction were minimal with contract cost adjustments for additional work totaling less than 1.6%.