

## CITY OF BERESFORD TO ADD SANITARY SEWER SURCHARGE

The City of Beresford had a Wastewater System Facility Plan completed several years ago to evaluate the City's wastewater collection and treatment system. The Facility Plan is in response to high inflow and infiltration entering the collection system, and the need to plan for future effluent ammonia and bacteria limits in the City's wastewater discharge permit (federal regulations). In addition, the City of Beresford has been issued a compliance order by the South Dakota Department of Agriculture and Natural Resources (SD DANR) to address frequent discharges and the treatment system's ability to meet future effluent ammonia and bacteria limits. The Facility Plan recommended the following to address these issues:

### Sanitary Sewer Collection System

The city has extremely high per capita flows in their wastewater system indicating inflow and infiltration is a significant problem. Collection system televising reports were reviewed and the following recommendations were made to repair deteriorating sanitary sewer collection mains to reduce inflow and infiltration.

- Complete sump pump inspections to determine if customers are properly discharging.
- Complete sanitary sewer pipe lining/replacement and manhole rehabilitation for the pipe segments identified as a Phase 1 priority need.

Many of the sewer lines that will be relined and replaced have been in the ground since the 1920's and 1930's.

### Wastewater Treatment Facility

Additional treatment is required to meet anticipated ammonia limits. Additional treatment is also expected to polish the water for other effluent limits in the permit such as BOD and TSS. Several systems were considered, and the city moved forward with plans to pursue a Submerged Attached Growth Reactor (SAGR) by Nexom. This system will allow for the continual flow of sewage that is entering the sewer mains throughout the community. The estimated costs for pond and collection system improvements were estimated at \$14,570,653.

On April 13, 2022, the city was awarded an ARPA grant of \$5,177,347 along with \$134,653 in principal forgiveness from the SD Dept. of Ag. and Natural Resources to help pay for the improvements. The City will borrow \$9,258,653 from the State of SD Clean Water Revolving Fund for 30 years at 2.125% to pay for the rest of the improvements. On June 15, 2023, the city amended the City's sewer rate structure to provide for a surcharge of \$37 per month to all sanitary sewer users to pay for the state and federally mandated improvements. The first surcharge will appear on the March 1, 2024, utility billing.