



CITY OF RAPID CITY

Engineering Services

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To: Public Works Committee/City Council

Ref: Request for Authorization to Seek Proposals
WRF Digester Repair and Improvements
Project No. WRF06-1549

The Engineering Services and Water Reclamation staff proposes to evaluate, repair, and/or revise the biosolids handling system at the City's Water Reclamation Facility (WRF). Biosolids generated in the original treatment process are pumped to a digester complex that was constructed with the original plant in 1967.

Several years ago City staff inspected the interior of the secondary digester. This inspection revealed corrosion of the structural roof support members. Although it was not warranted at the time City staff members feel it is now time to, at a minimum, replace the roofs on all three digesters. Instead of just replacing the roofs on all three digesters City staff members feel an evaluation of the biosolids handling and treatment for the original facility is warranted. This project will focus on the handling and treatment of the biosolids generated by the original fixed film treatment process. However, impacts to the new activated sludge treatment process will be considered and mitigated as part of the evaluation process.

We will be taking a phased approach to this project. Phase I will consist of evaluation of the current biosolids management system at the WRF with special emphasis on the original facility. Phase II will consist of development of design drawings and specifications and construction phase services in accordance with the Phase I findings.

A consultant will be selected for this project in accordance with the City of Rapid City's current Consultant Selection Policy. Consultants will be evaluated on their ability to provide both the Phase I and Phase II scope of services. The selected consultant will initially be contracted for the Phase I services. Upon successful completion of Phase I by the selected consultant a contract for Phase II will be executed.

This project has a total engineering and construction budget of \$850,000.00. Funding for the project is budgeted in the 833 Sewer Enterprise Fund.

