



CITY OF RAPID CITY

RAPID CITY, SOUTH DAKOTA 57701-2724

Public Works Department

Wastewater Division

7903 South Side Drive

Telephone: (605) 394-4174

Web: www.rcgov.org

MEMORANDUM

TO: Robert Ellis, City Council

FROM: Dave Van Cleave

DATE: 21 May 08

RE: Request Authorization for emergency repairs of #1 Centrifuge

The Water Reclamation Facility operates 2 high speed centrifuges for dewatering of sludge. The #1 centrifuge experienced a malfunction that resulted in damage to the internal components of the machine. (The scroll was bent from heavy solids impacting the flighting.) These machines operate at 3000 revolutions per minute, therefore are highly balanced.

The initial budget estimate of repairs from the manufacturer (Andritz) is for \$53,325.00 not including shipping. A more specific price will be generated once the machine arrives at their repair facility for inspection. Andritz believes that the repairs can be completed within about 4 weeks based on the photos we have sent them.

We request authorization to ship the machine immediately for repairs. *(If the remaining machine should fail, we would have a maximum of two weeks worth of sludge storage, and currently we have only a few days due to having to pump down a digester for the digester repair project we are currently undertaking.)*



EQUAL OPPORTUNITY EMPLOYER

