



## **PUBLIC WORKS – UTILITY OPERATIONS**

**DATE:** October 8, 2019

**FROM:** Michelle Klose, Director of Utility Operations

**ITEM:** Approval to address emergency operations for dewatering at the Wastewater Treatment Plant

### **REQUEST**

Approval for emergency operations required to properly dispose of biosolids at the wastewater treatment plant. Sole source rental of dewatering equipment, sole source procurement or rental if appropriate of polymers, tarping, setup for heating (including tarping, power, and running electrical), conveyor, 8000 pound fork lift, dump truck hauling and landfill costs, and other incidental items as required for the emergency operations.

Please place this item on the October 8, 2019 City Commission meeting agenda.

### **BACKGROUND INFORMATION**

The Wastewater Treatment Plant will be out of storage for biosolids within the next three weeks. The abnormally wet fall, and expected early winter has significantly limited the fall hauling and field application of biosolids. There is roughly 2 million gallons of biosolids requiring proper disposal. We have discussed and have approval from the ND Department of Environmental Quality for the emergency operations to use a centrifuge to dewater the stored biosolids and dispose of the solids at the landfill. Tonight we are seeking Commission approval to proceed. Not all costs are known at this point. The first step is the sole source for the rental of the centrifuge dewatering equipment. We will coordinate the procurement or rental of the remaining needs over the next couple weeks.

The centrifuge rental for one month, with mobilization, demobilization, 5 days of technician time, and conveyor is \$32,182. Each additional month is \$25,000. We are expecting one month of rental at this point. A \$25,000 deposit is required to enter into the contract. The polymer costs will be roughly \$30,000.

Requesting approval of \$95,000 for emergency operations and approval for use of sole source contracts to complete this work.

I will be present at the City Commission meeting to respond to questions the Board may have regarding this matter.

## **RECOMMENDED CITY COMMISSION ACTION**

Approval for emergency operations required to properly dispose of biosolids at the wastewater treatment plant up to an amount of \$95,000. Sole source rental of dewatering equipment, sole source procurement or rental if appropriate of polymers, tarping, setup for heating (including tarping, power, and running electrical), conveyor, 8000 pound fork lift, dump truck hauling and landfill costs, and other incidental items as required for the emergency operations as allowed by Ordinance 7-01-04.

## **STAFF CONTACT INFORMATION**

Michelle Klose, Director of Utility Operations, 355-1700, [mklose@bismarcknd.gov](mailto:mklose@bismarcknd.gov).



8 October 2019

Travis Carufel  
City of Bismarck, ND  
601 London Ave,  
Bismarck, ND

Subject: Dewatering Equipment Rental Rates

Dear Travis:

Thank you for your interest in Press Rentals and the mechanical dewatering equipment that we offer on a rental basis. See the below pricing for renting a mobile Andritz D5LX centrifuge.

Please contact me at 706-955-5152 or [aconcepcion@pressrentals.com](mailto:aconcepcion@pressrentals.com) if you have any questions or if I can be of further assistance.

Sincerely,

A handwritten signature in cursive script that reads "Angelica Concepcion". The signature is written in a dark ink and is positioned below the word "Sincerely,".

Angelica Concepcion  
Business Development

**Press Rentals to provide**

- (1) Andritz D5LX Centrifuge
- Conveyor
- Technician to commission, train, and/or operate equipment

**City of Bismarck, ND to provide**

- Electrical Supply & Hook Up - 480 V, 3 phase, 200 amp
- Clean Wash Water- 60 gpm 80 psi
- Polymer
- Filtrate discharge
- Dewatered cake disposal
- Heated enclosure for equipment/piping
- 8K forklift or equivalent to setup/breakdown of equipment

**Rental Rates**

Mobilization, Bismarck, ND.....\$9,660 lump sum

Andritz D5LX Centrifuge  
(1 month minimum rental).....\$25,000 per month

Conveyor.....\$1,000 per month

Demobilization, Bismarck, ND.....\$9,660 lump sum

Technician (5 day minimum).....\$850 per day



## **Terms & Conditions**

1. Pricing is effective for 90 days from date listed above.
2. Rental period is based on 24 hours per day, 30 days per month.
3. Executed lease agreement (attached)
4. Security deposit due prior to shipment of rental units.
5. Security deposit can be used to repair damaged equipment or applied to last month's rent at the end of the project only after all other invoices have been paid and equipment has been deemed not damaged by Press Rentals.
6. Rental rates are FOB Evans, GA.
7. Technician rate based on 12 hours per day; includes wages, per diem, housing and vehicle. Anticipate 1 day travel each way. To be invoiced weekly for charges.
8. Terms Net 30.
9. Mobilization and Demobilization includes transportation to & from project site.
10. All terms and conditions are based on equipment availability.
11. In the event equipment is returned to Press Rentals and additional deconning is necessary, deconning will be charged at a rate of \$1,000 per day.



## Trailer Mounted Andritz D5LX Centrifuge



Model Number:	D5LX
Trailer Dimensions:	48 ft. (length) x 8 ft. 5 in. (width) X 13 ft. (height)
Weight:	58,000 lbs.
Bowl diameter:	20.47 in.
Operating Speed:	3,200 rpm
G-Force:	2,976
Length of Centrifuge:	166 in.
Width of Centrifuge:	48 in.
Height of Centrifuge:	69 in.
Power Requirements:	480V, 3 Phase @ 200 amps
Connected Load:	100 HP
PC Sludge Pump:	NEMO PD pump 10 HP Drive
Macerator:	NEMO M-Ovas sludge grinder
Cake Screw Conveyor:	12 in. (diameter) x 10 ft. (length)
Nema 4X Stainless Steel control Cabinet	