



April 14, 2020

Mayor Chuck Fewell
Board of Works and Public Safety
10 South State Street
Greenfield, IN 46140

Re: Wastewater Treatment Plant Repairs

Mayor and Board Members,

I wanted to take this time to inform you of a couple issues we experienced recently at the wastewater treatment plant. During a recent storm, a power outage caused the VFD control on one of our return sludge pumps to fail. Due to the age of the VFD, it was not able to be repaired. We contacted BL Anderson for this part since they are the local factory certified representative. They have ordered a new VFD and should be able to have it installed by the end of the week. By using the factory certified representative, the warranty period for the drive will be extended by 24 months. The total cost for the VFD was \$1,417.50. The labor for the installation and start-up of the drive is estimated at \$1,000.00 bringing the total estimated cost of this repair to \$2,417.50.

We also had an issue with the motor on one of our digester blowers. The drive end bearing failed and needs to be replaced. We contacted Horner Industrial to inspect the motor and they will be able to complete the repair on-site so we will not have to pull the motor and send it out to have the repair completed. The total cost for this repair, parts and labor, is \$1,450.00.

Please let me know if there are any questions or if any other information is needed at this time regarding either of these items. Both estimates have been included for your review.

Best Regards,

A handwritten signature in black ink, appearing to read "Nicholas Dezelan".

Nicholas Dezelan, CHMM, ASP
Wastewater Utility Manager

cc: Michael Fruth, Utility Director
Dan Worl, Business Services Manager

Wastewater Utility
809 South State Street: Greenfield, Indiana 46140
wwtp@greenfieldin.org
Phone 317-477-4360 Fax 317-477-4361



Quotation Bill of Material

Item	Qty	Product Information	Extended Net
1	1	ACQ580-01-023A-4 ACQ580 Water/Wastewater drive - supply voltage at 480 VAC Three Phase. 23 Rated Output Amps (15 HP), UL (NEMA) Type 1, Frame size - R2	\$ 1,417.50
2	1	BL Anderson on-site service to swap out the bad drive with the new and perform factory certified start up service. With the factory certified service, warranty period is extended to 24 months after start up. We will bill at our hourly rates plus travel. Amount given is an estimate.	\$ 1,000.00

Terms:

- **FOB ABB Factory**
- **Proposal valid for 30 days from quotation date**
- **ABB Inc. Standard Terms and Conditions of Sale apply**
- **Proposal based upon acceptance of Clarifications and Exceptions to Specifications and Terms provide later in this quotation**

Total: \$2,417.50



April 6, 2020

Quote #: 127767

Rob Lovell
City of Greenfield – Wastewater Plant
809 South State Street
Greenfield, IN 46140

SUBJECT: Replace DE Bearing in Motor

Work Scope:

- Travel to City of Greenfield WWTP
- Lock out equipment as needed
- Remove covers & guards
- Remove belts & motor sheave
- Remove DE end bell from motor
- Remove DE bearing
- Clean & inspect bearing housing & journal
- Supply/install new DE bearing
- Pack bearing housing w/ grease
- Install DE end bell
- Install motor shaft sheave
- Install, tension, & align belts
- Install guards & covers
- Remove lock out devices
- Return to Horner

Customer Responsibilities:

- Assist w/lock out as needed
- Provide clear access to work area

Price: \$1,450.00
Delivery: (1) Day On-site

NOTES:

1. We recommend an EP (Mobilux EP2) grease for DE roller bearing
2. We recommend a Polyurea (Polyrex EM) grease for ODE ball bearing

Sincerely,

David Coonce