

September 27, 2017

Amy Giannini, P.E.  
City Engineer  
City of Pflugerville  
15500 Sun Light Near Way #B  
PO Box 589  
Pflugerville, TX 78691

Re: Horizontally Split Multi Stage Centrifugal Blower Bid Recommendation

Dear Ms. Giannini:

The City of Pflugerville received two competitive bids for pre-purchasing a horizontally split multi-stage centrifugal blower on September 11, 2017 from Gardner Denver Nash, LLC and Lone Star Blower. This equipment will be installed at the Pflugerville Central WWTP. The purpose of this letter is to summarize Freese and Nichols' evaluation of the submitted bids and documentation.

### Cost Review

Table 1 shows the bid dollar amount totals for both bidders.

*Table 1: Summary of blower bid totals*

<b>Gardner Denver Nash, LLC</b>	<b>Lone Star Blower</b>
\$82,158	\$98,300

### Submittal Review

The submittals were reviewed for compliance with section 43 11 17 "Horizontally Split Multi-Stage Centrifugal Blowers." The specification requires a blower with a 75 HP maximum, 460 volts, 3 phase, 60 hertz motor with a speed not to exceed 3600 RPM. The specification requires the blower to be capable of compressing 1104 SCFM of air to 7.6 psig outlet pressure at 635 ft elevation, 110° F and 60% humidity.

### Lone Star Blower

The Lone Star Blower bid was for their Multistage Centrifugal Blower design, including a premium efficiency 100 HP, 480 Volts, 3 phase, 1.15 service factor, 60 hertz motor with a speed of 3600 RPM. The blower is designed to compress 1104 SCFM of air to a 7.6 psig outlet pressure with inlet conditions of 110° F and 60% humidity.

### **Gardner Denver Nash, LLC**

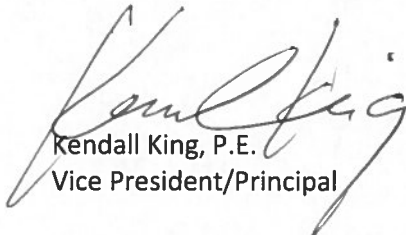
Gardner Denver Nash, LLC provided a bid for their GD 723 Series Blower (Model 73208-ADOI), including a premium efficiency 75 HP, 460 Volts, 3 phase, 60 hertz motor with a speed of 3600 RPM. The blower is designed to compress 1104 SCFM of air to a 7.6 psig outlet pressure with inlet conditions of 14.35 psia barometer, 110° F and 60% humidity.

Gardner Denver Nash, LLC took exception to the requirements for vibration probe and monitoring system in section 2.03.J.2 of the Specification. The manufacturer proposed using their standard vibration probes and monitoring system instead of the PMC Beta model probes.

Gardner Denver Nash, LLC stated that either a lugged style or flanged butterfly valve will be installed on the blower discharge. The Specification requires a lugged style butterfly valve.

### **Recommendation**

Based on the cost review and review of the information presented in the bids, Gardner Denver Nash, LLC had the lowest bid price and adequately addressed the requirements in the Specification for supplying the blower at the Pflugerville Central WWTP. The exceptions in the Gardner Denver Nash, LLC bid are minor changes and Freese and Nichols, Inc. considers the exceptions acceptable. Freese and Nichols, Inc. recommends the pre-purchase contract be awarded to Gardner Denver Nash, LLC.

A handwritten signature in black ink, appearing to read 'Kendall King', written over a printed name and title.

Kendall King, P.E.  
Vice President/Principal

cc: Wiley Webb, James Wills, Coby Gee