

**Memorandum
Public Works Department**



To: City Manager
Subject: Sludge Transfer Pump Purchase
Date: December 4, 2015
Number: 2015-248

Attached is a proposal from Drydon Equipment, Inc., the sole local distributor for Penn Valley Pump Company, Inc., for a new double disc belt press sludge transfer pump for the Mill Street Wastewater Treatment Plant. The current belt press sludge transfer pump has been in service since approximately 1972 and is no longer efficient or serviceable.

This same double disc pump was purchased for the Wet Weather Treatment System. By maintaining this same style of pump throughout both treatment plants, repairs and maintenance are more cost effective and more efficient.

Drydon Equipment, Inc., and Penn Valley Pump Company, Inc., propose to provide the pump, related appurtenances and installation at a rate of \$23,935.00, which is \$1,065.00 lower than the estimate of \$25,000.00 budgeted for this project.

Recommendation

The Public Works Department recommends that the City Council approve the purchase and installation of one Penn Valley Double Disc Pump from Drydon Equipment, Inc., in the amount of \$23,935.00.

Vendor:	Drydon Equipment, Inc.	
Amount:	\$23,935.00	
Fund:	506	Wastewater Operation & Maintenance
Department:	618	Utilities Services
Cost Center:	341	Wastewater Mill Street Plant
Object Code:	52305	Auto/Equip Supplies

Requisition: R005801

Submitted by: Randall D. Tweet, Public Works Director
Larry P. Cook, Utilities Superintendent

Approved by: Thomas Thomas, City Manager



Penn Valley Pump Co., Inc.

998 Easton Road • Warrington, PA 18976

Ph: 215-343-8750 • Fax: 215-343-8753

www.pennvalleypump.com

To:	Date: December 1, 2015
	Quote No: 14104 Budget
	Project: Rock Island, IL WW

Qty	Description	Unit Price	Total Price
	Application: Belt Press Feed, 3 – 4% anaerobically digested sludge		
	Duty: 9 – 90 GPM (Avg 75 GPM) @ 45ft TDH		
	Suction: Flooded on 6” diameter lines, up to 5ft suction lift to empty the digester		
	Proposed Equipment:		
1	4” Model 4DDSX30CNU Penn Valley Double Disc™ pump <ul style="list-style-type: none"> • 4” ASA/ANSI 150# flanged suction and discharge connections • Cast iron housing and neoprene elastomers • Maintain-in-place hinged housing design for ease of maintenance • Two-piece swan neck design with full port rigid clack valve • 5HP, 1160RPM 230-460/3/60 Severe duty, inverter ready motor • 275RPM Max pump speed achieved with V-belt and pulley drive • Suction and Discharge pulsation dampener • 304SS Welded base with OSHA approved guards and covers • Pump and dampeners coated with industrial primer and topcoat • Per drawing PVD760 Side motor mount 	\$18,000.00	\$18,000.00
1	PVP Model 420 Suction vacuum switch assembly consisting of: 1” NPT SS316 sensor with EPDM sleeve, adjustable pressure switch set at 10”Hg and 4” (30”Hg-30psi) SS gauge. Mounts to top of dampener to provide protection against plugged lines and closed valves.	\$975.00	\$975.00
1	PVP Model 420 Discharge pressure switch assembly consisting of: 1” NPT SS316 sensor with EPDM sleeve, adjustable pressure switch set at 30psi and 4” (0-100psi) SS gauge. Mounts to top of dampener to provide protection against plugged lines and closed valves.	\$975.00	\$975.00
1	Allen Bradley Variable Frequency Drive, NEMA 4X Wet Washdown wall-mount enclosure, 5HP Constant Torque, 460V/3Ph/60Hz, with keypad operation.	\$1,910.00	\$1,910.00
1	Days of start-up and training services (one-trip)	\$1,500.00	\$1,500.00
1	Estimated transport to site. Estimated weight of shipment is 950lbs.	\$575.00	\$575.00

Commercial Information:

1. Delivery is 4 – 6 weeks after receipt of purchase order or approved submittals.
2. Submittals, if required, are 2 – 3 weeks after receipt of purchase order.
3. Freight terms are F.O.B. Factory, Warrington, PA with freight allowed to jobsite.
4. Terms are Net 30 days after receipt of invoice.
5. Quotation is valid for 60 days from date of issue.
6. Warranty is two (2) years from date of shipment for manufacturer’s defects in materials and workmanship. A complete warranty statement is available for review.

The following items have not been included:

- Installation
- Foundations, anchor bolts, grouting and foundation design

Quoted by: Steve Truitt