

CITY OF GRAND JUNCTION
SOLE SOURCE JUSTIFICATION FORM

Date: 12/21/2023 Requested By: Aaron Rice
 Department: Utilities Division: Persigo
 Vendor Name: Vogelsang Net Cost Delivered: \$ 16,000

Provide G/L Account where funds are budgeted: 902-615-620-380.6210_04
 Project code, if applicable _____

SOLE SOURCE JUSTIFICATION

(INITIAL ALL ENTRIES THAT APPLY)

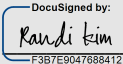
Material/Service Description: Vogelsang Macerator.

1. _____ - Uniqueness: Is unique and unavailable from any other source due to proprietary rights, patents, copyrights, secret processes, or monopoly control;
2. X - Compatibility: There is a need for compatibility with existing equipment, technologies, or processes, and only a specific product or service can satisfy that need;
3. _____ - Urgency: Delay would lead to serious injury, death, or significant financial loss;
4. _____ - Expertise: The vendor has unique experience, expertise, or capabilities unavailable elsewhere;
5. X - Standardization: There is a need to standardize specific equipment or supplies to reduce training, inventory, or maintenance costs, and only one vendor can meet this need;
6. X - Written demonstration and justification is available which reasonably and practicably establishes that the selection of a sole source vendor is in the best interest of the City.

Attach Justification Memo and Pricing Documentation, then proceed with signatures below.
After Dept Head approval, forward to Purchasing.

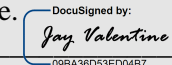
Department Director Approval:

I recommend that competitive procurement be waived and that the service or material described herein be purchased as a sole source.

Signed:  12/21/2023
DocuSigned by: F3B7E9047688412 Department Head Signature Date

Purchasing Approval:

Based on the above and attached documents, I have determined this to be a sole source with no other vendor practicably available.

Signed:  12/22/2023
DocuSigned by: 09BA36D53ED04B7... Purchasing Manager Signature Date

Final Authorization

City Manager Approval Required (\$25K to \$50K) yes / no

Signed: _____, _____
 City Manager Signature Date

City Council Approval Required (over \$50K) yes / no



Memorandum

TO: Randi Kim, Utilities Director
Jay Valentine, General Services Director

FROM: Aaron Rice, Wastewater Maintenance Supervisor

DATE: 12/8/2023

SUBJECT: Sole Source Justification for Purchase of VogelSang Xripper Macerator

This memo is to serve as sole source justification for the procurement of one VogelSang Xripper Macerator.

Macerators are used in the anaerobic digestion process. In the last year, we have purchased and installed VogelSang macerators instead of using Muffin Monster. Any other manufacturer of macerator would incur additional expenses and longer lead times in procurement. Maintenance staff prefer to use the Xripper over other macerators because of their ease of installation, the procurement of parts, and training and customer service. VogelSang is the preferred manufacturer Persigo will be using the in the Phase 1 Plant Expansion beginning in 2024.

Ambiente H2O is the distributor of VogelSang products. We work with Ambiente H2O for the purchase of other equipment on site.

This purchase request satisfies the criteria in the City of Grand Junction's "Purchasing Policy and Procedure Manual", section 14: Sole Source Designation, 14.2: Sole Source Criteria:

- (b) The compatibility or conformity with City-owned equipment or materials in which nonconformance would require the expenditure of additional funds

Subject

Sole source purchase of VogelSang Xripper macerator.

Recommendation

Staff recommends a sole source approval for the purchase of 1 VogelSang Xripper macerator for the anaerobic digester sludge transfer and recirculation process.

Executive Summary

This request is to make a sole-source purchase of 1 VogelSang Xripper macerator. This purchase is to have a vital piece of equipment on the shelf and ready for install if another macerator fails to run or needs lengthy maintenance.

Background or Detailed Information

The Anaerobic Digesters are critical to the function of the wastewater treatment plant. The digesters receive primary sludge from the primary clarifiers and use it as food. The anaerobic digesters produce methane gas that we convert to RNG for our fleet vehicles. The macerators are a vital piece of the liquid transfer and recirculation system. Macerators chew, rip, and grind, rags, hair, trash, in the primary sludge from the clarifiers. Macerators reduce the size of the trash to allow it to pass through the pumps that recirculate the sludge and transfer it for disposal.

For decades our secondary digester discharge system did not have a macerator. The progressive cavity pump we use to pump the sludge to solids handling for disposal had to be torn apart and cleaned several times a year. Sometimes, these events coincided with digester upsets and other operations scenarios that crippled operations staff to effectively manage and operate the digesters. Four years ago, we installed a macerator on the secondary digester plumbing and our maintenance issues disappeared. We have not torn apart the progressive cavity pump to remove hair and rags since its installation.

This year, maintenance staff attended VogelSang training in Ohio. Over the two-day course, they learned the proper preventive and corrective maintenance for their products. Staff had the opportunity to disassemble and reassemble a unit. After the training, maintenance purchased one of their macerators to have on the shelf in case one of the other two malfunctioned or quit working. Early this fall, our Muffin Monster macerator stopped working. It had been in service for over a decade. During this time, staff had performed numerous rebuilds on the cutting heads. This year when it stopped working the unit was not repairable. Fortunately, we had the Xripper on the shelf. This gave maintenance the ability to be nimble and provide exemplary service to Operations. Operations did not have to reconfigure the plumbing or change operations to the anaerobic digester. Maintenance staff was able to remove and replace in a day.

Since the training in Ohio and the installation of the Xripper onsite, maintenance has provided essential feedback for the sole source request. Staff enjoys Vogelsang's ease of installation compared to the competitor. Their spare parts are made here in the US and lead times to get spare parts are short compared to other manufacturer. Staff learned important and applicable maintenance measures from their factory training, and when checking for proper rotation on the final stage of installation, a sight port is used. When using evaluating a Muffin Monster, the cutting heads and gears must be exposed, which is a safety risk. Finally, the phase 1 plant

expansion that begins early next year has VogelSang macerators in the equipment list. We want to have continuity with this multimillion-dollar project.

This purchase request satisfies the criteria in the City of Grand Junction's "Purchasing Policy and Procedure Manual", section 14: Sole Source Designation, 14.2: Sole Source Criteria:

(b) The compatibility or conformity with City-owned equipment or materials in which nonconformance would require the expenditure of additional funds

Fiscal Impact

The cost of this purchase is included in the 2023 adopted budget.

Suggested Motion

I move to (approve/deny) the City Purchasing Division to issue a purchase order with Ambiente H2O for the sole source purchase of 1 VogelSang 6-inch XRP Xripper Assembly for \$16,000.

**Quote**

Provided By: Ambiente H2O - Sheridan CO
 Sakan Gerjarusak
 1500 W. Hampden Ave. Ste. 5-D
 Sheridan, CO 80110
 United States
 (303) 433-0364
 sakang@ambiente2o.com

Prepared For:

Alex Auld
 City of Grand Junction
 alexa@gjcity.org



VOGELSANG
 ENGINEERED TO WORK

Quote #: 130753v.00



Date: 11.27.2023
 No. of Pages: 2
 Valid To: 02.25.2024
 Delivery Terms: PPA (PrePay and Add)
 Credit Terms: Net 30
 Project Name: Grand Junction JWC
 Replacement
 Ship Via: CH Robinson (Vogelsang Acct)

Comment

Please reference our Quote # on the PO.

Any item not specifically listed in the quotation will not be supplied by Vogelsang.

Questions? Please contact Parker Jorgensen at (330) 298-8177 or parkerj@vogelsangusa.com

Line #	P/N# Description	Qty	Delivery ARO
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Grand Junction JWC Replacement / Sludge, No specifics / 2 % Solids / 300 gpm

1.0	# 10.4022 XRP136-200 6 inch AssemblyX-Ripper Assembly XRipper: (Model XRP136-200Q) Ripper Rotor.....: High Wear Resistant Special Steel 9.5 mm Mechanical Seals.....: Cartridge Single - Block Ring SS304 Cr203/Duronite Cartridge O-Rings.....: NBR Wear Plate Material.....: High Wear Resistant Special Steel Flange Left.....: Mild Steel Galvanized, Straight, 6 inch Flange Right.....: Mild Steel Galvanized, Straight, 6 inch Drive Type.....: TC Gearbox + TC Motor Motor Part Number.....: USEM0595 Motor.....: WEG 3 HP, 460 V, 60 HZ, 1760 RPM Motor Frame Size.....: 182TC Motor Enclosure.....: TEFC Motor Explosion Proof.....: Yes Gearbox Part Number.....: US.GR0030	1	5 Week(s)
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Total Price**\$16,000.00**

Verify materials of construction are compatible with your process, as Vogelsang does not warrant against chemical incompatibility.
 Quoted delivery time subject to prior sale.



Terms & Conditions

- I. Item Installation
 - A. Price terms are to include the item as it stands, and will not include services or equipment such as, but not limited to; (1) item installation, (2) anchor bolts, (3) miscellaneous valves and fittings, (4) gauges, (5) field wiring, (6) controls, (7) VFDs, unless specifically included otherwise.
- II. Services Rendered
 - A. Item installation, certification, start-up, and training are determined per proposal.
 - B. Additional services are available at \$950.00 per day plus expenses, not to exceed \$1,250.00 per day by Ambiente H2O Inc. Sheridan, CO.
 - C. Submittal Drawings may be available upon 2-4 weeks after receipt of purchase order.
- III. Shipment
 - A. Shipment of equipment will be ~5 weeks after submittal approval and/or written notice to release equipment for fabrication.
- IV. Freight Costs
 - A. Freight is FFA and included to the jobsite;
- V. Customer Duty of Inspection
 - A. CUSTOMER IS RESPONSIBLE FOR INSPECTING ALL EQUIPMENT UPON DELIVERY.
 - B. UPON RECEIPT ANY DAMAGE MUST BE IMMEDIATELY REPORTED TO FREIGHT COMPANY AND AMBIENTE H2O INC.
 - C. Any claims for missing parts or equipment must be made within 30 days of delivery. Failure to make such claim will absolve Ambiente H2O Inc. from providing such missing parts or equipment past the 30 days, unless additional costs are assumed and tendered by Customer.
- VI. Sales Taxes
 - A. Applicable sales taxes are not included in the cost.
 1. Ambiente H2O Inc. will collect upon applicable sales tax in Colorado.
 - B. If sales tax exempt, please send a Tax-Exempt Certificate to sales@ambienteh2o.com.
- VII. Price Terms
 - A. Prices configured will be valid for 60 days.
 - B. Any outstanding balance, if applicable, will be due within 30 days of delivery.
 - C. Alternate terms may be available upon written notice to and approval by Ambiente H2O Inc.
- VIII. Payment Schedule
 - A. Ambiente H2O Inc. will receive 100% of order, Net 30 Days.
- IX. Method of Payment
 - A. ACH, Cash, Check, VISA, MasterCard are acceptable forms of payment. A 3% charge will be added to credit card payments.
- X. Promise of Good Faith and Fair Dealing
 - A. Upon Buyer's signature below, Buyer agrees to the terms and conditions listed herein. Buyer promises to honor the terms of this agreement and will abide by the payment conditions stated. Lack of payment for equipment delivered or for any additional services rendered will cause Buyer to be in default of this agreement. Interest will begin to accrue upon Buyer's default of this agreement at 12% per annum. Ambiente H2O Inc. may demand immediate payment upon default, and will be entitled to such demand until payment is received in full.

Date: _____

Signature: _____

Printed Name: _____

Buyer: _____