

RESOLUTION NUMBER 1004

**A RESOLUTION APPROVING THE ENTRY OF A
PURCHASE CONTRACT IN EXCESS OF \$100,000
[PURCHASE OF ONE (1) BAR SCREEN FOR POCOTALIGO WASTEWATER TREATMENT PLANT]**

WHEREAS, the City Council (the “Council”) of the City of Sumter, South Carolina (the “City”), has enacted an Ordinance entitled “An Ordinance Establishing Procurement Procedures for the City of Sumter, South Carolina” (the “Purchasing Ordinance”);

WHEREAS, pursuant to the Purchasing Ordinance, the Council must approve by resolution any purchase contract subject to the Purchasing Ordinance that exceeds \$100,000.00; and

WHEREAS, the Council has been presented with a request to approve a purchase contract (the “Contract”) in excess of \$100,000.00;

NOW, THEREFORE, be it resolved as follows:

Section 1. The Council hereby approves the Contract for the supplies, services, equipment, or construction identified below:

SUBJECT:	Purchase of One (1) Bar Screen for Pocotaligo Wastewater Treatment Plant
CONTRACTOR/VENDOR	Vulcan Industries, LLC Missouri Valley, Iowa
PRICE:	\$235,596.00 (Funding Source: Fiscal Year 2025-2026 Budget)
METHOD:	Sole Source (Purchasing Ordinance, Section II.F.); Supporting materials are attached.

Section 2. The City Manager is hereby authorized to negotiate, execute, and deliver the Contract on behalf of the City in such form and with such additions, deletions, or modifications as he deems necessary or prudent.

ADOPTED THIS 7TH DAY OF OCTOBER 2025, BY SUMTER CITY COUNCIL.

CITY OF SUMTER, SOUTH CAROLINA

David P. Merchant, Mayor

James B. Blassingame, Mayor Pro Tempore

Calvin K. Hastie, Sr., Councilman

Colin C. Davis, Councilman

Gifford M. Shaw, Councilman

Anthony Gibson, Councilman

Rebecca Lynn Kennedy, Councilwoman

ATTEST:

Linda D. Hammett, City Clerk



City of Sumter
21 N. Main Street
P.O. Box 1449
Sumter, SC 29150

MEMORANDUM

TO: Michael Geddings, Director of Public Services

FROM: Patrick Kelly, Superintendent Wastewater

DATE: September 9, 2025

SUBJECT: Bar Screen Purchase

The Wastewater Department recommends the purchase of one (1) new Model FT-48 Mensch Severe Duty Bar Screen from Vulcan Industries, LLC to replace the existing, inoperable unit at the Pocotaligo Wastewater Treatment Plant. The quoted total cost for the screen assembly and startup services is **\$235,596**.

The bar screen is a critical component of the plant's preliminary treatment process, responsible for removing large solids and debris to protect downstream equipment. The current unit, which has served reliably for approximately 25 years, has exceeded its industry-standard life expectancy of 20 years and is now compromised and non-functional. The **lead time for delivery is estimated at 40–48 weeks**, making timely approval and procurement essential.

Given the urgency, proven reliability of Vulcan Industries' equipment, and the strategic importance of maintaining uninterrupted wastewater treatment operations, I strongly recommend that the **City of Sumter proceed with the purchase** of the FT-48 Mensch Severe Duty Bar Screen.

Patrick Kelly
Superintendent Wastewater



September 9, 2025

City of Sumter
Sumter, SC

Re: Vulcan Automatic Bar Screens, Conveyor, Washing Press
Sumter, SC - Factory #3727 and 07145

To whom it may concern,

This letter is to certify that Vulcan Industries LLC is the original equipment manufacturer of the above-mentioned equipment, and therefore is the sole source for in-kind replacement equipment and replacement parts. These items are not available from local sources or other vendors.

Vulcan Industries does not enlist the use of outsource personnel or companies for in-kind equipment or replacement parts for this equipment, therefore all parts requests should be made directly through Vulcan Industries LLC, or our local representative, EW2 Environmental.

Please feel free to contact our office with question or concerns.

Sincerely,

Mark Hoffman

Mark Hoffman
Vice President/General Manager



September 9, 2025

FIRM PRICE PROPOSAL

Project / Client Location: City of Sumter
Sumter, SC

Vulcan Representative: Shane Eckley
EW2 Environmental
seckley@ew2.net

Prepared by: Mark Hoffman
Vice President/General Manager
mark@vulcanindustries.com

Project Description:

Vulcan Industries LLC is proposing to furnish one (1) new Model FT-48 Mensch Severe Duty replacement screen in kind to replace the existing Vulcan FT-48 Mensch Screen, Factory #3727 at the Pocotaligo WWTP.

The existing channel is 4'-0" wide by 6'-6" deep (total depth invert to operating floor level: 19'-0"). The screen shall be designed to handle a peak flow of 24.0 MGD per original design data. The new screen installation will be appropriate for the hydraulics present at the wastewater facility. Additionally, the new screen frame and dimensions are consistent with existing screen.

One (1) New FT-48 Mensch Severe-Duty Bar Screen:

The Mensch is a severe-duty reciprocating type (i.e. climber type) bar screen that is the industry's most robust and longest lasting screen. Vulcan has been manufacturing this screen, with continuous design improvements, for over 30+ years with over 1,500 installations. The reciprocating type bar screen allows for capture and retrieval of objects ranging in size from a tire to a pile of grit.

- ✓ Type 316 stainless steel construction.
- ✓ 84-degree screen setting angle.
- ✓ 3/8-inch clear bar spacing with 5/16-inch x 3/16-inch thick by 2 ½-inch deep trapezoidal profiled bars.
- ✓ 3.25-foot wide effective bar rack width with side frames inserted into the existing channel.
- ✓ 3/8-inch thick by minimum 34-inch deep stainless steel side frames.
- ✓ Hardened steel pin rack.
- ✓ ¼-inch thick stainless steel dead plate.
- ✓ 4'-0" screen discharge height above operating floor level.



- ✓ Discharge chute.
- ✓ Dual arm traveling rake assembly.
- ✓ 3.0 HP submersible/explosion-proof motor with close-coupled SEW Eurodrive helical worm gear reducer.
- ✓ One (1) NEMA 7, frame mounted end-of-travel proximity switch to park the rake assembly at the top of the bar screen.
- ✓ One (1) NEMA 6P/7, rake mounted proximity switch to prevent damage to the rake assembly if the rake encounters an obstruction that causes excessive rake arm rotation.
- ✓ One (1) Local control station, 316 stainless steel, NEMA 4X enclosure including HOA selector switch along with FOR selector switch and E Stop plus all other components required for a complete working system.
- ✓ Factory start-up services; 1-trip of two (2), eight (8) hour days to inspect and certify the installation prior to start up and to instruct the Owner's personnel in proper operation and maintenance and of the equipment.
- ✓ Freight to jobsite.
- ✓ Approx. weight: 9,300 lbs.
- ✓ One (1) year warranty to commence after operational start-up. O & M's to be provided as part of our scope of supply.
- ✓ Re-use of existing main control panel

Note: Pricing does not include any removal or installation, field wiring and conduit between existing controls, ancillary devices, or anything else not identified in this proposal. Prices also DO NOT include any potential increases due to future U.S. Government Tariffs.

New Screen Lead Time:

Equipment delivery: shipped 40-48 weeks after receipt of purchase order.

One (1) new FT-48 Mensch Bar Screen per above: \$235,596.00

Thank you in advance for your review of the above proposal. Should you have any questions or need modifications to any of the above information please contact our representative Shane Eckley with EW2 Environmental

Sincerely,

Mark Hoffman
Vice President/General Manager
Vulcan Industries, LLC

Sumter, SC