



QUOTATION

To: Navajo Engineering and Construction Authority
Attn: Mr. Stanley Charley

Quotation No.: 21/126

Subject: Ganado Wastewater Lagoon Upgrade
Ganado, AZ

Date: 2/23/2021

Bid Date: N/A

F.O.B.: Factory Frt Allowed

Submittal Drawings: mailed 6-8 weeks after receipt of purchase order

Equipment: shipped 18-22 weeks after receipt of approved submittal drawings

Warranty: Standard 12 months after start up

CHAIN AND RAKE BAR SCREEN SCREENINGS WASHING PRESS

Vulcan Industries proposes to furnish and deliver one (1) Model VMR-30 Multi-Rake Bar Screen and one (1) Model EWP 250/600 Screenings Washing Press for installation in the existing Screen Manhole. This proposal includes bar screen drive unit, chain drives, raking mechanisms, bar rack, frames and tracking and discharge chute; washing press drive unit, housing, compaction screw, discharge piping, inlet hopper, wash water solenoid valves, flush water solenoid valve, electrical control equipment and other necessary items as listed below.

BAR SCREEN QUANTITY: One (1)

NUMBER OF PIECES: Minimum practical for shipment and installation

PROJECT DETAILS:

Peak Flow Rate: 0.20 MGD
Channel size: 4'-0" wide x 7'-9" deep (7'-9" channel invert to operating floor level).
Bar Size: 5/16" x 3/16" wide x 1-1/2" deep trapezoidal profile x 3'-6" vertical height
Bar rack clear spacing: 1/4"
Angle of inclination: 75° from horizontal
Debris discharge height: 3'-6" above operating floor level
Rake speed: 10-20 feet per minute
Motor power: 2.0 h.p.
Electrical supply: 460 volt, 3 phase, 60 cycle (by others)

MATERIALS OF CONSTRUCTION:

Bar Rack: 304 stainless steel
Base Frame: 304 stainless steel
Side Frames: 304 stainless steel

Dead Plate:	304 stainless steel
Discharge Chute:	304 stainless steel
Rake Assemblies:	304 stainless steel
Wiper Assembly:	304 stainless steel/UHMW Polymer
Drive Chains:	304 stainless steel side plates with 17-4PH pins, rollers and bushings
Sprockets:	304 stainless steel
Gear Reducer:	Cast Iron/Manufacturers Standard
Motor:	Cast Iron, TEFC
Enclosures:	304 stainless steel

CONTROLS:

Main (remote) panel:	NEMA 4X, 1 required, combined with washing press controls.
Control sequence:	Programmable timer with ultra-sonic differential level override system.
Control components:	Allen Bradley 525 variable frequency drive, Allen Bradley MicroLogix 1400 PLC, Red Lion OIT, Milltronics ultrasonic level controller, circuit breaker, control power transformer, necessary relays, internal wiring, and other necessary components provided with control panel. To include sun shield.
Local station:	One (1) NEMA 4X. Includes "Hand-Off-Auto" and "Forward-Off-Reverse" selector switches; and "Emergency Stop" pushbutton. Local station to be factory mounted to the bar screen side frame.

PAINTING:

Motor and Gear Reducer:	Tnemec 69 epoxy
All other components:	Cleaned and shop passivated after fabrication

SPARE PARTS:

One (1) wiper blade
Five (5) feet drive chain

SCREENINGS WASHING PRESS QUANTITY: One (1)

NUMBER OF PIECES: Minimum practical for shipment and installation

PROJECT DETAILS:

Capacity:	Up to 33 cubic feet per hour (batch mode) Up to 99 cubic feet per hour (continuous mode)
Screw Size:	8-1/2" diameter
Inlet height:	To match bar screen discharge
Discharge height:	As shown on Contract Drawing C-401
Angle of inclination:	Horizontal

Motor power: 5.0 h.p.
 Electrical supply: 460 volt, 3 phase, 60 cycle (by others)

MATERIALS OF CONSTRUCTION:

Housing: 304 stainless steel
 Support legs: 304 stainless steel
 Compaction screw: Carbon steel
 Inlet Hopper: 304 stainless steel
 Gear Reducer: Cast Iron/Manufacturers Standard
 Motor: Cast iron, TEFC

CONTROLS:

Main (remote) panel: NEMA 4X, combined with bar screen control panel.

Control sequence: Batch mode initiated by bar screen cycle counter, continuous mode initiated by high level in bar screen channel.

Control components: Magnetic starter, current sensing relay, circuit breaker, control power transformer, necessary relays, internal wiring, and other necessary components provided with control panel.

Local station: One (1) NEMA 4X. Includes "Hand-Off-Auto" and "Forward-Off-Reverse" selector switches, "Initiate" and "Emergency Stop" pushbuttons. Local station to be mounted on top of the washing press heated enclosure.

Local wash water manifold: Four (4) brass bodied wash and flush water solenoid valves to be mounted inside the washing press stainless steel heated enclosure.

PAINTING:

Motor and Gear Reducer: Tnemec 69 epoxy
 Press Screw: Shop primed
 All other components: Cleaned and shop passivated after fabrication

SPARE PARTS:

One (1) spiral brush
 One (1) solenoid valve rebuild kit

FIELD SERVICE:

Number of Trips: One (1) total for bar screen and screenings washing press (includes start-up, operator training services)
 Number of Days: Two (2) total for bar screen and screenings washing press (includes start-up, operator training services)

FREIGHT:

Number of trucks:	Minimum practical
Cost of Freight:	Included to Ganado, AZ, USA

SHIPPING WEIGHT:

Bar Screen:	4,100 lbs.±
Washing Press:	1,400 lbs.±

ADDITIONAL INCLUDED EQUIPMENT:

- a. Washing press inlet hopper
- b. Washing press discharge piping and supports as shown on Contract Drawing C-401
- c. Washing press heated and insulated stainless steel enclosure with access doors
- d. Washing press heat traced and insulated discharge piping
- e. Bar screen dead plate/discharge chute heat tracing
- f. Bar screen odor control enclosures
- g. Two (2) ultra-sonic level transducers (shipped loose for field installation)
- h. Bar screen overflow baffles between screen frames and existing channel side walls as shown on Contract Drawing C-401

ITEMS PROVIDED BY OTHERS:

- a. Installation of Equipment (including concrete, grout, piping, etc.)
- b. Modifications to existing screen channel
- c. Electrical controls other than listed above
- d. Water supply for washing press
- e. Electrical supply
- f. Interconnecting electrical wiring and conduit
- g. Hand rails and grating
- h. Screenings receptacle
- i. Other items not specifically included in this Quotation

TOTAL LUMP SUM PRICE.....\$_____

NOTES:

1. This quotation is subject to our Standard Quotation Notes below and the Standard Terms and Conditions, STC-001 included and made a part of this Quotation by reference hereto.

2. **Additional information is available from the sales representative as follows:**

**The Coombs-Hopkins Co.
668 N. 44th St., Suite 251
Phoenix, AZ 85008**

**Attn: Lisa Snyders
Tel: 602-275-4303
Fax: 602-275-4229**

3. **SPECIFICALLY NOT INCLUDED:** Unless otherwise outlined and defined within the written scope of the quotation are:

a) Installation or demolition.

b) Construction Items: Such as concrete foundations, base slabs, grout, sealants, field specified preparations and coatings, etc.

c) Mechanical Items: Such as interconnecting pipe, pipe fittings, gaskets, hangers, supports, etc.

d) Electrical Items: Such as motor control centers, disconnect switches, contactors, instrumentation, conduit, interconnecting wire, potting, etc.

e) Maintenance Items: Such as tools, oil, grease, solvents, chemicals, light bulbs or tubes, etc.

4. **SHIPMENT:** The schedule outline on Page 1 of the quotation is our best estimate based upon material availability. Vulcan Industries cannot assume any liability for delay caused by the unavailability of material which is beyond our reasonable control.

5. **PAYMENT:** Payment shall be in accordance with Sheet STC-001, Article 4 ; B. The terms for payment are independent of, and are not contingent on, third party contracts or commitments.

6. **DELIVERIES:** The equipment will be shipped on a flat bed truck to the first specified destination provided suitable access roads exist for the delivering carrier. If delivering carrier cannot negotiate the construction site roads, the Buyer shall provide for unloading at the nearest accessible site and shall be responsible for any additional transport required to reach the project site.

7. **ACCEPTANCE:** The Buyer shall accept this quotation within 30 days from the bid date by letter of intent or purchase order with payment terms that conform to the Terms and Conditions for Quotation or Sale, Sheet STC-001. Price is subject to change without notice after this interval.

Purchase order, or agreement forms, that involve changes, disclaimers, special terms, etc. which conflict with our Standard Quotation Notes and/or Terms and Conditions, may require additional time for processing of up to several weeks, depending on the extent of legal and/or financial involvement that may be associated in a detailed examination. Additionally, if such requirements involve added cost such charges shall be presented for written authorization prior to further processing.

Where a mutual agreement cannot be reached VULCAN INDUSTRIES reserves the right to return all purchase documents without further obligation or liability.

VULCAN INDUSTRIES



Andrew Synhorst
Sales Manager

STANDARD TERMS AND CONDITIONS

1. **DEFINITION:** The definition of terms used, interpretation of sale agreement and rights of parties hereto shall be construed under and governed by the Uniform Commercial Code of the State of Iowa. "Seller" when used herein means VULCAN INDUSTRIES. "Buyer" when used herein means the person, company or corporation to whom the quotation is addressed. "Equipment" means those components, articles, supplies or services described herein. These terms and conditions apply unless specifically noted on the quotation.

2. **ACCEPTANCE:** All quotations are for acceptance within the limits established therein and beyond which are subject to change without notice. If this quotation constitutes an acceptance of an offer, such acceptance is expressly made conditional on Buyer's assent solely to the terms of this quotation.

Any terms proposed in buyers acceptance of this quotation which add to, vary from, or conflict with the terms hereof are hereby objected to and rejected and shall not constitute any part of any contract resulting from this quotation. Any such proposed terms shall have no force or effect and the terms herein shall constitute the complete and exclusive statement of the terms and conditions of any contract resulting from this quotation and may be modified only by written instrument executed by the authorized representative of both parties.

3. **PRICES:** Prices for Equipment included in this quotation are subject to the specific outline herein.

4. **PAYMENT:** (A. Domestic) Net 30 days, basic orders; (B. Domestic) 90% Net 30 days, 10% Net 30 days after start-up but not to exceed 120 days after initial billing. (C. Domestic) 95% Net 30 days, 5% Net 30 days after start-up but not to exceed 120 days after initial billing. (D. International) Irrevocable Letter of Credit - Payment due at sight, available at First National Bank, Attn: International Trade Services, 134 South 13th Street, Suite 100, Lincoln, NE 68508 USA, Telex: 484410 FIRSTNATBK OMA, SWIFT: FNBOUS44LIN. Tel: 402-323-5258 Fax: 402-323-5219; ABA #104000016 (E. International) Payment will be wired to our account per the following: 30% with purchase order, 30% with approval of submittals, 30% upon delivery to plant and 10% after unit Start-up (to be sent with factory service tech).

If buyer delays shipment, payment shall become due from the scheduled date when equipment is ready for shipment. If Buyer delays completion of manufacture, Seller may require payment according to the percentage of Equipment completion. Equipment held for the Buyer shall be at the Buyer's risk and storage charges may be applied at the discretion of the Seller.

Accounts past due shall accrue interest charges at a rate of 1.5% per month, (18% annual rate), where permitted by applicable law. Buyer shall pay Seller reasonable cost of collection or securing money due and unpaid, including a reasonable attorney's fee of 25% of the amount owed.

5. **TAXES:** Prices do not include present or future sales, use, occupation, excise or other taxes in repeat of manufacture sales, or delivery of Equipment which shall be paid by the Buyer unless this is specifically defined and outlined in the body of the quotation as paid by the Seller. If tax-exempt, Buyer shall supply to the Seller a valid exemption certificate. If not exempt, Buyer shall supply all other tax information required by Seller.

6. **SCHEDULE:** Delivery dates shall be interpreted as estimated and in no event shall dates be construed as falling within the meaning "time is of the essence." The Seller shall not be liable for delays due to force majeure, strikes, labor difficulties, fires, acts of government or military forces, transportation, procurement or any other cause beyond the reasonable control of the Seller. No provision for liquidated damages for any cause shall apply under this order.

7. **TITLE/RISK OF LOSS:** Title and risk of loss shall pass to the Buyer upon tender of delivery F.O.B. manufacturing facility unless otherwise agreed upon by the parties, except that a security interest in the Equipment shall remain with the Seller, regardless of mode of attachment to realty or other property, until full payment has been made therefore. Buyer agrees to do all things and acts necessary to protect said security interest.

8. **ASSIGNMENT:** Neither party shall assign or transfer this contract without prior written consent of the other party. As a condition of any such written consent, such assignment shall be subject to the terms and conditions herein and no greater rights or remedies shall be available to the assignee.

9. **PATENTS:** The Seller shall defend the Buyer and the ultimate owner of the Equipment from alleged or actual infringement of any United States patent by the equipment furnished pursuant hereto if properly notified and given an opportunity to do so with friendly assistance. The Seller shall pay all damages and cost awarded by a competent court in any litigation thus defended or of which it may have had notice and opportunity to defend as aforesaid. Specifically excepted would be parts of special design, construction, or manufacture specified by and originating with the Buyer or the ultimate owner.

10. **WARRANTY:** The Seller warrants all Equipment of its own manufacture to be free of defects caused by faulty material or workmanship and shall, at its option, exchange or repair without charge, F.O. B. its factory, such part or parts thereof that prove defective under normal use within eighteen (18) months from date of shipment or twelve (12) months from date of start-up, whichever occurs first. The Seller's obligation under this warranty is limited to the above and does not apply to replacement or repairs, which are required as the result of improper installation, misuse, maladjustment, abnormal operating conditions, or lack of routine maintenance. Nor does this warranty include furnishing of service for maintenance or problems arising from the foregoing causes.

The Seller shall not be liable for any claims, losses, labor expenses or damages, direct or consequential, resulting directly or indirectly from the use of, or inability to use, its products, or the other consequential loss of damage of any nature arising from any cause.

This warranty is the sole warranty of the Seller and any other warranties express, implied in law, implied in fact including any warranties of merchantability and fitness for use, are hereby specifically excluded.

11. **QUALIFICATIONS:** This warranty is void unless the Buyer provides protective storage, installs and maintains the equipment in accordance with the Sellers furnished instructions. No employee of the Seller or its representatives has the authority to alter, or enlarge the terms of this warranty or obligate the Seller beyond the terms of this written warranty.

12. **LIABILITY LIMITATIONS:** The aggregate total liability of the Seller in connection with the performance of this contract, whether for breach of contract or warranty, negligence or otherwise, shall in no event exceed the purchase price of the unit of Equipment upon which such liability is based.

13. **CANCELLATION:** Any contract resulting from this quotation cannot be cancelled except with written consent of the Seller and upon terms, which will indemnify the Seller from any loss, occasioned thereby.

14. **CHANGES:** If the Buyer requests changes of design, configuration, or quantities, other than as outlined by the quotation, these shall be in writing recognizing any price increase or reduction resulting there from. The Seller reserves the right to change or modify the design, construction or material that are equal to or superior to that originally covered by the quotation, subject to approval by applicable reviewing authorities.

15. **SHORTAGES:** All claims by the Buyer for shortages must be made in writing to the Seller within thirty (30) days after shipment or with ten (10) days after receipt by the Buyer, whichever first occurs.

16. **O.S.H.A.:** The Seller shall endeavor to comply with the Occupational Health and Safety Act of 1970 in the design and manufacture of Equipment under this contract. Compliance for the total installation, use, operation and other matters beyond the control of the Seller cannot be assumed by the Seller as to responsibility for compliance with such laws and regulation, or other State and Local laws and regulation, whether by way of indemnity, warranty or otherwise.