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**FOUR RIVERS SANITATON AUTHORITY  
INVITATION TO BID #24-205  
SCUM SEPARATOR EQUIPMENT**

Date: January 18, 2024

Name of Bidding Firm: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Phone: \_\_\_\_\_

Email: \_\_\_\_\_

**Bid Opening Time & Date: 2:00 P.M., February 8, 2024**

*Bids will be accepted until the specified opening time and date. Any bid delivered after the opening time and date will be refused.*

*The public bid opening will take place in person and may be accessed remotely. Visit the FRSA website at [fourrivers.illinois.gov/doing-business/bids-and-proposals/](http://fourrivers.illinois.gov/doing-business/bids-and-proposals/) for remote meeting instructions.*

**PLEASE MARK THE RETURN SEALED ENVELOPE:**

1. Bid Due Date and Time
2. Title of Job
3. Bid Number

**SEND BIDS TO:**

Four Rivers Sanitation Authority  
3501 Kishwaukee Street  
Rockford, IL 61109

**BIDS WILL NOT BE ACCEPTED BY FAX OR EMAIL.**

The Illinois Department of Human Rights registration number must be provided with the bid on the bid opening due date.

Bid results are available after contracts are awarded at the Regular Meeting of the Board of Trustees, held on the fourth Monday of the month. Please call 815-387-7425 or visit [fourrivers.illinois.gov](http://fourrivers.illinois.gov)

**SECTION I  
NOTICE**

**INVITATION TO BID #24-205  
SCUM SEPARATOR EQUIPMENT**

FOR REVIEW PURPOSES ONLY

I  
**NOTICE**  
**FOUR RIVERS SANITATION AUTHORITY**  
**INVITATION TO BID #24-205**  
**SCUM SEPARATOR EQUIPMENT**

The Four Rivers Sanitation Authority will receive sealed, signed bids for **Scum Separator Equipment** at the Authority's offices, 3501 Kishwaukee Street, Rockford, IL 61109 until 2:00 P.M., February 8, 2024. The bid opening will be in-person and will also be available via computer or phone. Visit the FRSA website at [fourrivers.illinois.gov/doing-business/bids-and-proposals/](http://fourrivers.illinois.gov/doing-business/bids-and-proposals/) for remote meeting instructions.

The scope of this bid involves the purchase of two new SAVECO Flo-DrumSieve Externally-Fed Rotating Drum Screens Model SGR6060 and one new SAVECO SPECO Shaftless Conveyor/Compactor Model CPS200.

Each bid must be accompanied by cash or a certified or bank cashier's check on a solvent bank or trust company, drawn to the order of the Four Rivers Sanitation Authority, or an acceptable Bid Bond on the form attached, in an amount not less than ten percent (10%) of the total bid price. This sum is a guarantee that, if the bid is accepted, a contract will be entered into.

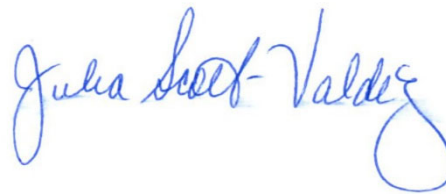
Copies of the Invitation to Bid for review purposes only are available through the Four Rivers Sanitation Authority web site, [fourrivers.illinois.gov](http://fourrivers.illinois.gov). Bid documents for submittal may be requested by emailing [purchasing@fourrivers.illinois.gov](mailto:purchasing@fourrivers.illinois.gov) or by calling (815) 387-7425.

Request for information related to this bid should be directed to Michael Christensen, Assistant Director of Plant Operations of the Four Rivers Sanitation Authority, 3501 Kishwaukee St., Rockford, IL, 61109; email: [mchristensen](mailto:mchristensen); telephone: 815-262-5858.

No bid is to be withdrawn after the opening of bids without consent of the Four Rivers Sanitation Authority for a period of sixty (60) days after the closing time of receipt of bids.

The Four Rivers Sanitation Authority reserves the right to reject any or all bids, or any part thereof, or to accept any or all bids, or any part thereof, or to waive any formalities in any bids, deemed in the best interest of the Four Rivers Sanitation Authority.

The Authority will confirm any award decision in writing, to the successful bidder.



Julia Scott-Valdez  
Director of Management Services  
Four Rivers Sanitation Authority

**SECTION II  
GENERAL SPECIFICATIONS & INSTRUCTIONS**

**INVITATION TO BID #24-205  
SCUM SEPARATOR EQUIPMENT**

II  
**GENERAL SPECIFICATIONS & INSTRUCTIONS  
FOUR RIVERS SANITATION AUTHORITY  
INVITATION TO BID 24-205  
SCUM SEPARATOR EQUIPMENT**

**2.1 Bid Preparation**

Where applicable, bidder must submit their bid on the forms the Authority provides in this document. **The bidder must complete all applicable blanks.** They may submit additional information as they believe necessary on their stationery, under signature of the authorized representative who completes this document's forms.

If this Invitation to Bid contains inconsistencies or contradictions between sections, Section III - Detailed Specifications supersede Section II - General Specifications, which supersede Section I - Notice. **No warranty is made or implied as to information contained in these specifications.**

An authorized officer or individual must sign the bid. The Authorized signature must be the individual owner of a proprietorship, a general partner of a partnership, or the corporation officer who is authorized to sign for a firm and whose title is affixed.

All prices and notations must be in ink or typewritten. The bidder may cross out mistakes and type corrections adjacent to the point of error. The person who signs the bid must initial such corrections, in ink. **If the Authority finds a bidder's entry to be illegible, it may, at its sole discretion, reject the bid.**

**2.2 Submission of Bids**

The Authority **will not** receive bids in electronic format, by e-mail or internet or by facsimile. The bidder must return their bid in a sealed envelope, clearly marked as **ITB #24-205 Scum Separator Equipment. The Authority cannot ensure that the sealed bid will not be prematurely opened if the bidder does not clearly identify their bid envelope.**

Bids should be addressed to:

Four Rivers Sanitation Authority  
3501 Kishwaukee Street  
Rockford, IL 61109

If the bidder chooses to hand-deliver their bid, they must deposit it at the Graceffa Administration Building main lobby Bid Box or handed to the Customer Service receptionist, 3501 Kishwaukee Street, Rockford, IL 61109 between the hours of 8:00 A.M. and 4:30 P.M., Monday through Friday, except for holidays.

The Authority cannot represent or guarantee that any information submitted in response to the Invitation to Bid will be confidential. If the Authority receives a request for any document submitted in response to the Invitation to Bid, the Authority's sole responsibility will be to notify respondent of a request for such document to allow the respondent to seek protection from disclosure in a court of competent jurisdiction. No documentation will be provided under FOIA until the contract has been awarded.

### **2.3 Bid Security**

Each bid must be accompanied either by cash, an original certified or bank cashier's check on a solvent bank or trust company, or a bidder's bond (form attached) from acceptable surety, drawn to the order of the Four Rivers Sanitation Authority in an amount of not less than ten percent (10%) of the bid price, issued by a surety company licensed to conduct business in the State of Illinois and named in the current list of "Surety Companies Acceptable On Federal Bonds" as published in the Federal Register by the Audit Staff Bureau of Accounts, U.S. Treasury Department. Failure to provide a Bid Security in the amount specified will constitute sufficient cause for rejection of the bid.

Within three (3) days after the opening of bids, the bid securities of all but the three lowest bidders will be returned. The bid security of the remaining two unsuccessful bidders will be returned within three (3) days after the execution of the contract, or, if no such contract has been executed, within sixty (60) days after the date of opening of bids. The bid security of the successful bidder will be returned only after he has duly executed the contract and furnished the required insurance.

### **2.4 Illinois Department of Human Rights Registration Number**

All bidders inside and outside of Illinois must provide an Illinois Department of Human Rights Registration Number at the time bids are due. This number must be written or typed on the line in the Fair Employment Affidavit of Compliance (included in this document). The following link may be used to access the website where the number can be obtained <https://dhr.illinois.gov/public-contracts.html>

### **2.5 Taxes**

This Authority is exempt, by law, from paying bidder Federal Excise Tax and Illinois Retailers' Occupational Tax. Therefore, the bidder must exclude those taxes from their bid. The Authority's tax exemption number is E9992-3696. The bidder must include all applicable taxes in their bid price.

### **2.6 Withdrawal of Bids**

At any time prior to the scheduled bid opening, the bidder may withdraw their bid. In order to do so, they must submit a written request to the Director of Management Services.

### **2.7 Acceptance of Bid**

The Authority may reject all or part of any or all bids, for any reason. The Authority may accept all or part of any bid or waive any bidding formalities if it decides such action is in the Authority's best interest.

The Authority will only consider bids that conform to the intent of this document. The Authority will reject bids that contain one or more exceptions if the Authority determines that non-conforming bids deviate from the intent of these specifications. The Authority's decision is final, and the Authority's procurement procedures contain no appeal provision.

### **2.8 Laws and Regulations**

The bidder who is awarded the contract must comply with all laws of the United States of America, the State of Illinois, and all lawful regulations of the Four Rivers Sanitation Authority and the respective cities and villages in which the service, material or equipment

supplied is to be performed respecting labor and compensation and all other statutes, ordinances, rules and regulations applicable and having the force of the law.

## A. Illinois Regulations

1. In accordance with Illinois Public Act 102-0265, the Four Rivers Sanitation Authority is required to make a good faith effort to collect and publish certain demographic information provided by vendors and subcontractors doing business with the Authority. The Act requires FRSA to report whether a vendor or subcontractor is a minority, women, or veteran-owned business as defined by Illinois Law. In addition, the Authority is required to disclose if the business is certified as a small business under federal Small Business Administration standards. The successful bidder will be required to provide this information upon contract award/execution.
2. Public Act 83-1030 (30 ILCS 565) entitled "Steel Products Procurement Act" requires that steel products used or supplied in performance of this contract or subcontract must be manufactured or produced in the United States with three exceptions.

The provisions of this Section do not apply:

- a. Where the contract involves an expenditure of less than \$500.
  - b. Where the executive head of the public agency certifies in writing that
    - i. the specified products are not manufactured or produced in the United States in sufficient quantities to meet the agency's requirements, or
    - ii. obtaining the specified products, manufactured or produced in the United States would increase the cost of the contract by more than 10%.
  - c. When its application is not in the public interest.
3. Public Act 101-0221 requires that any party to a contract adopt and promulgate written sexual harassment policies that include, as a minimum, the following information:
    - c. the illegality of sexual harassment
    - d. the definition of sexual harassment under Illinois State law
    - e. a description of sexual harassment, utilizing examples
    - f. my (our) organization's internal complaint process including penalties
    - g. the legal recourse, investigative and complaint process available through the Illinois Department of Human Rights and the Illinois Human Rights Commission
    - h. directions on how to contact the Department and the Commission
    - i. protection against retaliation as provided by Section 6-101 of the Illinois Human Rights Act

Upon request, this information must be provided to the Illinois Department of Human Rights and AUTHORITY.

4. With regard to nondiscrimination in employment, the Contractor for this project will be required to comply with the Illinois Fair Employment Practices Commission's Rules and Regulations.

5. The Contractor for this project must comply with the Occupational Safety and Health Act.
6. The Contractor for this project must comply with the Federal Drug-Free Workplace Act.
7. Americans with Disabilities Act - The Contractor for this project will comply with all applicable requirements of the Americans with Disabilities Act of 1990 (ADA). The Contractor will hold harmless and indemnify Four Rivers Sanitation Authority (Authority) and their representatives from all:
  - a) suits, claims, or actions
  - b) costs, either for defense (including but not limited to reasonable attorney's fees and expert witness fees) or for settlement
  - c) damages of any kind (including but not limited to actual, punitive, and compensatory damages)relating in any way to or arising out of the ADA, to which said firm is exposed or which it incurs in the execution of the contract.

## 2.9 Terms

**A. Payments to the Successful Bidder.** If the Authority receives an acceptable invoice for conforming materials or service prior to the fifth day of the month, the Authority will issue payment before the fifth day of the succeeding month. If received on or after the fifth day of the month, payment will be issued the following month.

**B. Default.** In case of default, the Authority will procure the materials or service described in this Invitation to Bid from other sources. The Authority will hold the defaulting successful bidder responsible for any excess cost incurred. The defaulting successful bidder must make such payment no more than sixty (60) calendar days after the Authority notifies them, in writing, of such an occurrence.

**C, Delivery Hours.** Unless otherwise specified, all items must be delivered to: Four Rivers Sanitation Authority, 3333 Kishwaukee Street, Rockford, Illinois, Monday through Friday, between the hours of 7:30 A.M. and 3:00 P.M., excluding holidays.

In the unlikely event that the Authority is picketed by its employees or by a third party, or if any labor-management dispute between the Authority and its employees or third parties becomes known to the successful bidder, then in such event and during the course of any such picketing or labor-management dispute, the successful bidder must continue to carry out the terms and conditions of this contract as if such pickets were not present or such labor-management dispute did not exist.

**Time of delivery is part of the Authority's consideration of each bid.**

**D. F.O.B. Point and Shipping Charges.** All prices must be quoted F.O.B. destination, Four Rivers Sanitation Authority, 3333 Kishwaukee St., Rockford, Illinois, 61109. All shipping, handling and freight charges must be included in the bid amount.

**E. Use of the Authority Name Prohibited.** In the absence of the Authority's written permission, the successful bidder must not use the Authority's name in any form or medium of public advertising.



## **2.10 Quantities Estimated Only**

The estimated quantities of the various items of work and materials, as set forth in the bid form, is approximate only and is given solely to be used as a uniform basis for the comparison of bids. The quantities actually required to complete the contract work may be less or more than so estimated, and if awarded a contract for the work specified, the Contractor further agrees that they will not make any claim for damages or for loss of profits or for an extension of time because of a difference between the quantities of the various classes of work assumed for comparison of bids and quantities of work performed.

## **2.11 Investigation**

It is the responsibility of the bidder to make any and all investigations necessary to become thoroughly informed of what is required and specified in the bid document. No plea of ignorance by the bidder of conditions that exist or that may hereafter exist as a result of failure or omission on the part of the bidder to make necessary examinations and investigations will be accepted on a basis for varying the requirements of the Authority or the compensation of the bidder.

## **2.12 Addenda and Interpretation**

No interpretation of the meaning of the Plans, Specifications, or other Contract Documents will be made to any bidder orally. Every request for such interpretation must be in writing addressed to the Four Rivers Sanitation Authority, 3501 Kishwaukee Street, Rockford, Illinois. Any and all such interpretations and any supplemental instructions will be in the form of written addenda. To be given consideration, such request must be received at least five (5) days prior to the proposal due date.

If the Authority issues written addenda, such addenda become part of the contract documents. Not less than three (3) business days prior to the bid opening date, the Authority will post the addenda, if any, on its website at [fourrivers.illinois.gov](http://fourrivers.illinois.gov), and distribute the addenda via email to each recipient of the specifications, at either the:

- Email address to which the Authority emailed the original bid document; or
- Corrected email address prospective bidder furnished

A bidder that does not receive the Authority's addenda, and who has previously submitted a bid, is not relieved from any obligation in the bid they submitted.

## **2.13 Contract Form**

No more than ten (10) business days following the contract award, the successful bidder must submit a completed Contract Form to the Authority's Director of Management Services. The Contract Form is part of this Invitation to Bid. If the successful bidder fails to complete the Contract Form within the specified time, they are in material default.

## **2.14 Contract Termination**

**A. Bidder's Unacceptable Performance.** If the successful bidder fails to perform services or provide materials in conformity with this Invitation to Bid, the Authority will notify them in writing. If the successful bidder fails to correct the performance deficiency to the Authority's satisfaction within five (5) working days after they receive the Authority's notice, they are in default. If the same performance deficiency recurs despite the Authority's notification and the successful bidder's temporary correction, the successful

bidder is likewise in default. The Authority may, at its sole discretion, terminate the **Scum Separator Equipment** contract with the defaulting successful bidder, and remedy the matter under provisions set forth in Section 2.9B of this Invitation to Bid.

**B. Authority's Action Following Contract Termination.** If the contract is terminated, the Authority may, at its sole option:

1. request **Scum Separator Equipment** bids or
2. designate the next-low bidder to perform the **Scum Separator Equipment** contract, provided that said next-low bidder agrees to their original bid terms.

The Authority may repeat this option until it obtains an acceptable **Scum Separator Equipment** contract.

### **2.15 "No Bid" Response Form**

In the event you elect not to bid, please fill out and return the attached "No Bid" form.

### **2.16 Indemnification Clause**

To the fullest extent provided by law, successful bidder must protect, indemnify, hold and save harmless and defend the Authority, its officers, officials, employees, volunteers, and agents against any and all claims, costs, causes, actions and expenses, including but not limited to attorney's fees incurred by reason of a lawsuit or claim for compensation arising in favor of any person, including the employees, officers, independent contractors, or subcontractors of the successful respondent/ contractor or Authority, on account of personal injuries or death, or damages to property occurring, growing out of, incident to, or resulting directly or indirectly from the performance by the successful respondent/contractor or subcontractor, whether such loss, damage, injury, or liability is contributed to by the negligence of the Authority or by premises themselves or any equipment thereon whether latent or patent, or from other causes whatsoever, except that the successful respondent/contractor to have no liability for damages or the costs incident thereto caused by the sole negligence of the Authority.

The indemnification must not be limited by a limitation on amount or type of damages payable by or for the successful respondent/contractor or its subcontractor under any employee benefits act including, but not limited, to the Workers' Compensation Act.

No inspection by the Authority, its employees, or agents is deemed a waiver by the Authority of full compliance with the requirements of the Contract. This indemnification must not be limited by the required minimum insurance coverage in the Contract.

### **2.17 Force Majeure**

The obligations of either the Authority or the successful bidder are suspended during the time as such party is prevented from complying therewith in whole or in part because of any cause, except financial, beyond the reasonable control of such party. In the event of either the Authority or the successful bidder being rendered unable wholly or in part by force majeure to carry out its obligations under the contract, other than to make payments due, it is agreed that on such party giving notice and full particulars of such force majeure in writing to the other party as soon as possible after the occurrence of the cause relied on, then the obligations of the parties insofar as they are affected by such force majeure

are suspended during the continuance of any inability so caused but for no longer period, and such cause must as far as possible be remedied with all reasonable dispatch.

## 2.18 Insurance

**A.** The successful respondent/contractor, for the duration of the contract, must maintain the following:

**General Liability:** \$1,000,000 combined single limit per occurrence for bodily injury, personal injury and property damage. If Commercial General Liability Insurance or other form with a general aggregate limit is used, either the general aggregate limit must apply separately to this project or the general aggregate limit must be twice the required occurrence limit.

**Auto Liability:** \$1,000,000 combined single limit per accident for bodily injury and property damage including coverages for owned, hired or non-owned vehicles, as applicable.

**Workers' Compensation and Employers' Liability:** Workers' Compensation limits as required by statute and Employers' Liability limits of \$500,000 per accident and \$500,000 per disease.

**Umbrella:** \$2,000,000 per occurrence/aggregate.

The policies must contain, or be endorsed to afford Contractual Liability coverages for the following provisions in the General Liability and Automobile Liability coverages:

1. The Authority, its officers, officials, employees, and volunteers must be covered as additional insureds as respects liability arising out of activities performed by or on insured's general supervision of the successful respondent/contractor, products and completed operations of the successful respondent/contractor, premises owned, occupied or used by the successful respondent/contractor, or automobiles owned, leased, hired, or borrowed by the successful respondent/contractor. The coverage must contain no special limitations on the scope of protection afforded to the Authority, its officers, officials, employees, volunteers, or agents.
2. The successful bidder's/contractor's insurance coverage must be primary insurance as respects the Authority, its officers, officials, employees, volunteers, and agents. Any insurance or self-insurance maintained by the Authority, its officers, official employees, volunteers, or agents must be in excess of the successful respondent's/contractor's insurance and must not contribute with it.
3. Any failure to comply with reporting provisions of the policies must not affect coverage provided to the Authority, its officers, officials, employees, volunteers, or agents.
4. The successful respondent's/contractor's insurance must apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability.

**B. Proof of Insurance – Certificate of Insurance.** No more than ten (10) calendar days subsequent to the Authority's issuance of an award letter and no later than thirty (30) days before commencement to work, the successful respondent/contractor must provide documentation including a Certificate of Insurance, and primary, non-contributory additional

insured endorsements for general and auto liability to prove that it has obtained all required insurance and bonds. The Certificate of Insurance must state Four Rivers Sanitation Authority is additional insured under the commercial general liability and automobile liability on a primary, non-contributory basis. The primary, non-contributory additional insured endorsements for commercial general liability and automobile liability must be provided. The Authority is the sole judge as to the acceptability of any such proof.

**C. Correction of Successful Bidder's Insurance Deficiencies.** If the Authority determines that the successful bidder's insurance or documentation does not conform to these specifications, the Authority to inform said bidder of the non-conformity. If said bidder fails to provide conforming insurance or documentation within five (5) calendar days of the Authority's notice, they are in default.

**D. Best's Ratings.**

**1. Alphabetical Rating.** For purposes of this Request for Bids, "insurer" means any surety, insurance carrier, or other organization which proposes to provide an insurance policy or bond for the successful respondent/contractor. No insurer or surety rated lower than "A-," **Excellent**, in the current Best's Key Rating Guide is acceptable to the Authority.

**2. Financial Size Rating.** Provided an insurer's alphabetical rating is satisfactory, the Authority will examine said insurer's financial size rating.

- a) If Best classifies the insurer XII or larger, said insurer is acceptable to the Authority.
- b) If Best classifies the insurer as smaller than XII, but larger than VI, said **insurer must be submitted to the Authority's Director of Management Services and/or the Authority's insurance consultant for review.**

Financial Size ratings less than VII are not acceptable and will disqualify the respondent/contractor.

**E. Suitability of Insurance.** The Authority is the sole judge of whether an insurer's rating is satisfactory. The Authority's decision is final and the Authority's bidding procedures contain no appeal provision.

**2.19 Responsive/Responsible Bidder**

**A. Evaluation of Responsiveness.** The responsiveness of bidders will be judged on the basis of the completeness of the bid submitted. To be responsive, a Bid must be submitted on the forms provided as part of the Bid Documents and comply with all the requirements of the Invitation to Bid.

**B. Evaluation of Responsibility.** To be judged as responsible, the bidder must:

- 1. Have adequate financial resources for performance, the necessary experience, organization, technical qualifications, and facilities, or a firm commitment to obtain such by subcontracts;
- 2. Be able to comply with the required completion schedule for the project;
- 3. Have a satisfactory record of integrity, judgment, and performance, including, in particular, any prior performance on contracts from the Authority;
- 4. Have an adequate financial management system and audit procedures, that provide

- efficient and effective accountability and control of all property, funds, and assets;
5. Conform to the civil rights, equal employment opportunity and labor law requirements of the Bid Documents.

FOR REVIEW PURPOSES ONLY

**SECTION III  
DETAILED SPECIFICATIONS**

**INVITATION TO BID #24-205  
SCUM SEPARATOR EQUIPMENT**

FOR REVIEW PURPOSES ONLY

**III**  
**DETAILED SPECIFICATIONS**  
**FOUR RIVERS SANITATION AUTHORITY**  
**INVITATION TO BID #24-205**  
**SCUM SEPARATOR EQUIPMENT**

**3.1 Scope & Intent**

It is the intent of this document to specify minimum requirements that the successful bidder must meet in order for the Authority to obtain **Scum Separator Equipment** that meets the requirements of the Four Rivers Sanitation Authority. The bid shall be for equipment only and include: **Two (2) each SAVECO Flo-Drum Sieve Externally-Fed Rotating Drum Screens Model SGR6060 and one (1) each SAVECO SPECO Shaftless Conveyor/Compactor Model CPS200.**

**3.2 Minimum Requirements for Two (2) each SAVECO Flo-Drum Sieve Externally-Fed Rotating Drum Screens Model SGR6060**

**A. General**

**1. Scope of Work**

This section includes requirements for furnishing two (2) SGR 9300 fully automatic, self-cleaning, tank mounted, externally-fed rotating drum screen(s) for wastewater applications and associated controls.

**2. Manufacturer**

- a. The equipment supplier shall be SAVECO® North America, Inc.
- b. The entire rotating drum screen shall be designed, coordinated and supplied by one manufacturer. The rotating drum screen shall be supplied in one piece requiring no field assembly. The rotating drum screen manufacturer shall take sole responsibility for the screen supplied.

**3. References**

The rotating drum screen and motor controllers shall, as applicable, meet the requirements of the following industry standards:

- AISI ( American Iron and Steel Institute)
- ABMA (American Bearing Manufacturers Association)
- AGMA ( American Gear Manufacturers Association)
- NEMA (National Electrical Manufacturers Association)
- NFPA (National Fire Protection Association)
- ASTM (American Society for Testing and Materials)
- WSC (American Welding Society Code)
- ASME (American Society of Mechanical Engineers)
- NEC (National Electric Code)
- UL (Underwriters Laboratory Standards)

#### 4. Submittals

The Manufacturer shall furnish the required number of submittals (and an electronic version if required) within forty-five (45) days of receipt of the order to verify compliance with the specification. The submittals shall include:

- a. Technical Information:
  - i. Shop drawings, manufacturer's installation drawing and wiring and schematic drawings.
  - ii. Motor performance data and features.
  - iii. Gear Reducer data including service, efficiency, torque rating and materials of construction.
  
- b. Operation & Maintenance Manuals
  - i. Equipment operating instructions
  - ii. Equipment weights and lifting instructions
  - iii. Installation instructions
  - iv. Maintenance schedules
  - v. Recommended lubricants
  - vi. Recommended spare parts including wear items
  - vii. Long-term and short-term storage instructions
  
- c. Equipment Information
  - i. Brochures and other descriptive literature
  - ii. Installation reference list
  - iii. Manufacturer's warranty

#### 5. Warranty

All SAVÉCO North America equipment is covered against manufacturing defects in materials and workmanship during normal use and service for a period of one (1) year from date of start up as long as periodic maintenance procedures are followed and performed. Items specifically not covered by the one year warranty are consumable wear parts as identified in the O&M manual.

### B. Products

#### 1. Acceptable Manufacturers

Flo-DrumSieve Externally Fed Rotating Drum Screen, Model SGR 6060 shall be as supplied by SAVÉCO North America, Inc.

#### 2. Quality Assurance

- a. The Flo-DrumSieve Externally Fed Rotating Drum Screen(s) will be fully assembled and shop run to confirm fit and function. A certificate of the shop run test shall be supplied with the shipping documents.
  
- b. The Flo-DrumSieve Externally-Fed Rotating Drum Screen(s) will be shipped to the site fully assembled. Some ancillary components may be removed to prevent damage during shipment.

#### 3. Performance Requirements



Conditions	Unit
Number of screens	Two (2)
Influent Type	Municipal Scum Screening
Influent Solids Concentration (mg/l)	200-400
Peak design flow per screen (gpm)	350
Screen Media Type	Wedgewire
Screen Media Opening Size (mm)	1 (0.040 inch)
Screen Drum Length (in)	56
Screen Drum Diameter (in)	24
Raw Influent Liquid Inlet Pipe Quantity	1 (Rear)
Raw Influent Liquid Inlet Pipe Size (in)	8
Screened Effluent Liquid Outlet Quantity	1
Screened Effluent Liquid Outlet Size (in)	10
Unscreened Effluent Liquid Overflow Pipe Quantity	1 (Rear)
Unscreened Effluent Liquid Overflow Pipe Size (in)	8
Screenings Discharge Height above Operating Floor (in)	29
Spray Wash System Connection Size (in)	1

#### 4. Utility Requirements/Environmental Conditions

Conditions	Unit
Spray Wash Water (gpm/psi)	15 gpm/ 40-60 psi
Power Supply (V/P/Hz)	480/3/60
Screen Installation Location (indoor/outdoor)	Indoors
Screen NFPA Classification Requirement	Class 1, Division 1, Group D
Control Panel Location (indoor/outdoor)	TBD
Control Panel NFPA Classification Requirement	Non-hazardous

#### 5. Design Requirements

- a. Equipment provided shall be fully automatic, self-cleaning, externally-fed rotating drum screen.
- b. All moving wetted parts, all wetted parts on which moving parts ride, all rotating drum components shall be 304 stainless steel unless otherwise noted.

#### 6. Equipment Design

- a. Headbox Assembly with Integral Discharge Base - The headbox assembly including headbox, integral discharge base and support legs shall be ruggedly constructed of type 304 stainless steel.
  - i. Influent Pipe - The headbox will be equipped with a flanged influent pipe stub of type 304 stainless steel.
  - ii. Wiper Blade - The influent will enter the headbox and flow over a wiper blade of polyethylene that makes direct contact with the rotating cylinder.

- FOR REVIEW PURPOSES ONLY
- iii. Influent/Effluent Flange Connections - The influent pipe connections will be equipped with type 304 stainless steel face rings and type 304 stainless steel loose backup flanges. The flanges will be drilled to ANSI 125/150-lb. pattern.
  - iv. Emergency Overflow Connection - The screen shall be equipped with an overflow connection with type 304 stainless steel face rings and type 304 stainless steel loose backup flanges. The flanges will be drilled to an ANSI 125/150-lb. pattern.
- b. Cylinder - The screen cylinder will be constructed of type 304 stainless steel and consist of a continually helical wound spiral peripheral wedge-shaped wire. This will be resistance welded to each of the longitudinal supporting members centers within the inside diameter of the cylinder. The opening between the wedge-shaped wire will be 1 mm at the face or exterior/screening surface of the wire.
- i. Cylinder Support System - The cylindrical screen will be supported on both ends by a spider hub assembly bolted to rings which are welded to the interior ends of the cylinder. Each spider hub assembly shall be affixed to a support shaft which is supported by self-aligning, greaseable pillow block housed bearings. The bearings shall be outside of the fluid flow.
  - ii. Cylinder Rim Seals - Replaceable rim seals will be of high-density polyethylene.
- c. Solids Discharge Doctor Assembly - The solids discharge doctor assembly shall be constructed of type 304 stainless steel with the exception of a brass doctor blade. The doctor blade shall be designed to effectively remove solids from the cylindrical screen surface and shall be easily removable. It shall have sufficient travel so as to clear the cylinder and flanges for changing or inspection. Pressure of the doctor blade against the cylindrical screen surface shall be controlled with a strut assembly with a positive retention cam-lock. The cam-lock will allow the doctor blade holder and assembly to pivot clear of the cylinder and flanges, allowing for doctor blade change or inspection, while ensuring positive pressure when engaged.
- d. Solids Discharge Chute - A 6-inch long solids discharge chute of type 304 stainless steel construction shall be attached to the chassis beneath the doctor blade assembly.
- e. Internal Spray System - A spray system shall be provided within the cylinder to assist in cleaning. Spray nozzles shall be installed to deliver 15 gpm of water at a minimum of 40 psig to the cylinder. A drop leg shall be integral to the piping, so that spray nozzles are a minimum distance from the inside surface of the cylinder. An external 1-inch NPT

coupling shall be furnished for connection with customer's wash water and the actuating solenoid valve.

## 7. Motors and Drives

- a. Motors and drives shall be furnished by the equipment supplier and shall be designed specifically for use with the equipment provided.
- b. The cylinder drive system shall consist of a single speed motor and a worm gear reducer. Gear Reduction ratio shall be 165:1.
  - i. Motor shall be a 0.5 HP, TEFC, designed for 240/480v, 3ph, 60hz supply.
  - ii. Motor and gear reducer shall be manufacturer's standard finish.

## 8. Electrical Controls and Devices

- a. Provide One (1) NEMA 4X type 304 stainless steel wall mount main control panel suitable for 480/3/60 electrical supply. Control panel shall contain the following control devices for operation of the two (2) drum screens and One (1) Conveyor.
  - i. Main disconnect with through door interlock handle.
  - ii. Control transformer 480/120
  - iii. Screen motor starter (IEC) with overload. (X2)
  - iv. Conveyor Motor starter (IEC) with overload.
  - v. Load monitor for compactor motor overtorque/overload protection.
  - vi. Emergency stop pushbutton.
  - vii. Hour meter for each motor.
  - viii. Run indicating lights.
  - ix. Alarm lights indicating overcurrent and starter overload.
  - x. Alarm reset pushbutton.
  - xi. Programmable control relay for screen and compactor control logic functions.
  - xii. Barrier relays for level sensors.
  - xiii. Run and alarm auxiliary contacts.

- xiv. UL label
- b. Two (2) NEMA7 Local Control Stations to operate one (1) screen each containing:
  - i. HOA switch for screen motor.
  - ii. HOA switch for spray water solenoid valve
  - iii. Emergency stop push-button
- c. One (1) NEMA7 Local Control Stations to operate the conveyor:
  - i. HOA switch for motor
  - ii. Forward-Off-Reverse switch, spring return from Reverse to Off
  - iii. Emergency stop push-button
  - iv. All controls necessary for the fully automatic operation of the screen shall be provided by the manufacturer.
- d. Additional Controls and Device Information
  - i. The electrical control system shall provide for automatic control of the screen via a flow signal from plant SCADA in conjunction with an adjustable time clock.
  - ii. The rotating drum screen control system shall incorporate a programmable relay which can change the cleaning characteristics of the screen and spray wash systems.
  - iii. Solenoid Valve: Provide one (1) solenoid valve to control flow to the spray wash assembly. The valve shall have a brass body and shall be 120 volt, single phase, 60 Hz. Valve shall be suitable for area classification in paragraph **4. Utility Requirements/Environmental Conditions.**
  - iv. Level Probes: Provide two (2) level conductivity probes for screen start and to detect overflow condition of the screen.

#### **9. Operation, Monitoring, and Control**

- a. Screen hand operation: screen to run continuously.
- b. Screen automatic operation: operation of the drum screen basket and spray bar shall be automatically initiated by a Run Screen signal from the plant SCADA. Preset, but adjustable, spray-off delay timers at the control panel shall determine when spray wash solenoid valves will close after equipment stops.
- c. Fault conditions:

- i. Momentary motor over current shall trip the current monitor, stop the drive motor, and illuminate the alarm indicating light. Reset shall be manual on the outside of the control panel.
- ii. Excessive motor current shall trip the starter overload relays, stop the drive motor, and illuminate the alarm indicating light. Overload relays shall be reset manually on the inside of the control panel.

## **10. Spare Parts**

- a. Manufacturer shall recommend any additional spare parts deemed necessary based on experience with the screen in similar applications.
- b. Spare parts and service center must be located within a 100-mile radius of the Four Rivers Sanitation Authority.

## **B. Execution**

### **1. Preparation**

Each screen shall be supplied complete with supports suitable for mounting as shown on the equipment drawings. Supports shall be shop fabricated from 304 stainless steel shapes and plates. Supports shall be assembled and fitted to the screen prior to shipment.

### **2. Installation**

Installation is the responsibility of the Purchaser. Complete installation procedures are included in the O & M shipped with the unit.

### **3. Start Up/Training/Field Quality Control**

The initial start-up of SAVÉCO North America equipment will be performed by an authorized SAVÉCO North America representative. The SAVÉCO North America authorized representative will verify the proper operation and installation and provide training to the equipment operators. One (1) trip for a total of two (2) days is allotted.

### **4. Adjusting and Cleaning**

Information on minor periodic adjustments and cleaning is contained in the Operation & Maintenance Manual.

## **3.3 Minimum Requirements for one (1) each SAVECO SPECO Shaftless Conveyor/Compactor Model CPS200**

### **A. General**

#### **1. Scope of Work**

- a. This section includes requirements for furnishing one (1) screenings shaftless conveyor/compactor and associated controls. Equipment shall be installed as shown as indicated on the equipment drawings and as specified herein, as recommended by the supplier and in compliance with all local, state and federal codes and regulations.

- b. Each conveyor/compactor shall consist of a shaftless spiral screw, trough, inlet chute(s), compaction unit, drive system, support legs, covers, and electrical controls, and all other appurtenances required or shown on the equipment drawings.

## **2. Manufacturer**

The shaftless conveyor equipment specified in this section shall be the SAVÉCO® North America, Inc. SPEC0 Shaftless Conveyor/Compactor Model CPS200. Substitute equipment must be modified as necessary to provide the specified features and to meet the specified requirements.

## **3. References**

The SPEC0 Shaftless Conveyor/Compactor shall, as applicable meet the requirements of the following industry standards:

- AISI (American Iron and Steel Institute)
- ANSI (American National Standards Institute)
- ABMA (American Bearing Manufacturers Association)
- AGMA (American Gear Manufacturers Association)
- NEMA (National Electrical Manufacturers Association)
- NFPA (National Fire Protection Association)
- ASTM (American Society for Testing and Materials)
- WSC (American Welding Society Code)
- ASME (American Society of Mechanical Engineers)
- NEC (National Electric Code)
- UL (Underwriters Laboratory Standards)

## **4. Submittals**

The Manufacturer shall furnish the required number of submittals (and an electronic version if required) within 4 – 6 weeks of receipt of the order to verify compliance with the specification. The submittals shall include:

- a. Certified general arrangement drawings showing all important details including materials of construction, dimensions, loads on supporting structures, and anchor bolt locations.
- b. A list of all deviations from drawings and specifications.
- c. Descriptive literature, bulletins and/or catalogs of the equipment.
- d. Complete data on motors and gear reducers.
- e. Wiring diagrams and electrical schematics for all control equipment to be furnished.

## **5. Warranty**

All SAVÉCO North America equipment is covered against manufacturing defects in materials and workmanship during normal use and service for a period of one (1) year from date of start up as long as periodic maintenance procedures are followed and performed. Items specifically not covered by the warranty are consumable wear parts as identified in the O&M manual.

**B. Products**

**1. Acceptable Manufacturers**

SPECO Shaftless Spiral Conveyor/Compactor Model CPS200 shall be as supplied by SAVÉCO North America, Inc.

**2. Quality Assurance**

- a. Equipment manufacturer shall be ISO 9001 certified.
- b. The SPECO Shaftless Conveyor/Compactor will be shipped to the site fully assembled, if possible, and dependent upon the length of the conveyor. Some ancillary components may be removed to prevent damage during shipment.

**3. Performance Requirements**

Conditions	Unit
Number of Conveyor/Compactors	One (1)
Influent Type	Municipal Screenings
Inlet Solids Capacity (CFH)	70
Angle of Inclination	10 degrees
Overall Length (ft)	~25.0
Solids Discharge Height (ft)	4.6
Configuration	Push
Number of Inlets	One (1)
Number of Outlets	One (1)

**4. Utility Requirements/Environmental Conditions**

Conditions	Unit
Spray Wash Water (gpm/psi)	8 gpm @ 40 – 60 psi
Power Supply (V/P/Hz)	480/3/60
Compactor Installation Location (indoor/outdoor)	Indoors
Compactor NFPA Classification Requirement	Class 1, Division 1
Control Panel Location (indoor/outdoor)	TBD
Control Panel NFPA Classification Requirement	Non-hazardous

**5. Design Requirements**

- a. Materials: The materials used in the fabrication of the spiral conveyor furnished under this section shall conform to the following:

Trough	2 mm thick 304 stainless steel
Spiral	Micro Alloy steel: OD of 7.0 inches; Minimum thickness of 0.79 inch and depth of 2.3 inch
Wear Liners	8 mm thick UHMW-PE
Covers	304 stainless steel
Compaction Zone	304 stainless steel
Back Pressure Iris	SINT® engineered polymer
Inlet Hopper	304 stainless steel

Support Legs	304 stainless steel
Bolts, nuts, and washers	304 stainless steel
Anchors	304 stainless steel

b. General

- i. Functional Description: The conveyor will accept solids with a dry weight not less than 8% solids at the screenings inlet. The shaftless spiral will convey the solids to the dewatering zone. Solids are then pushed through the dewatering zone to discharge and pressate liquid is directed to the drain.
- ii. Refer to and comply with the design performance requirements list in **5. Design Requirements, a. Materials.**
- iii. Shop Surface Preparation/Coating: All welds shall be cleaned and passivated to remove weld spatter, slag, and discoloration. Bearings, electrical devices, motor, and gear reducer shall be provided with the manufacturer's standard coating system.

c. Trough Assembly

- i. The trough assembly shall consist of a U-trough, wear liner, inlet area, and trough cover.
- ii. The U-trough shall be constructed from material per **5. Design Requirements, a. Materials.**
- iii. The wear liner will support the spiral throughout the trough length and be constructed of 0.32-inch thick UHMW-PE. Wear liners shall be provided in 4-foot maximum lengths and held in place by clips for ease of replacement.
- iv. Hold-down angles (when required) from 304 stainless steel shall be provided on both sides of the trough assembly to control excessive vertical movement of the spiral flights. Hold-downs shall not interrupt material transportation.
- v. The screenings inlet area to mate up with screen discharge chute. Inlet hopper shall have a minimum incline of 60 degrees from horizontal.
- vi. Except for the inlet area, the trough will be supplied with covers. Trough covers will be provided with neoprene gaskets and constructed from minimum 1 mm thick type 304 stainless steel and bolted to the flanges of the U-trough.

d. Shaftless Spiral Screw

- i. The Shaftless spiral screw constructed from high strength alloy with protective primer coating. The spiral has an OD of 7.0 inches with nominal spiral cross section of 2.3 inches high x 0.79 inches thick.
- ii. Spiral flights shall have full penetration welds at all splice



connections. Spiral flights shall be welded to a pipe with flanged disc end for connection to the end drive shaft.

- e. Inlet Hopper
  - i. The inlet hopper shall be designed to accept discharge screenings from the screen discharge chute. The hopper shall directly interface with the filter screen discharge with no solids or water bypass.
  - ii. The inlet hopper shall be fabricated from minimum 12-gauge type 304 stainless steel.
- f. Drive Assembly
  - i. Gear reducer shall be a helical gear type with hollow input shaft. The unit will be provided with a cast iron frame and be designed in accordance with AGMA recommendations based on the horsepower required to operate the conveyor.
  - ii. The motor shall be TEFC-XP (Class I, Division 1, Group D), 2.0 HP, 460 Volt, 3 phase, 60 Hz. The motor shall be NEMA design code B and be direct coupled to the reducer.
- g. Dewatering Zone: The dewatering zone shall consist of a dewatering cylinder, spray system, and enclosure.
  - i. The dewatering cylinder shall be constructed of type 304 stainless steel with 1 mm laser cut slotted openings. The dewatering cylinder shall extend the entire length of the dewatering zone.
  - ii. Spray system will rinse the basket of expressed solids and flush the solids to the drain. Connection to the spray system shall be through a ½" NPT pipe. Spray flush requires wash water as indicated in **Utility Requirements/Environmental Conditions**.
  - iii. The dewatering zone enclosure will encapsulate the dewatering cylinder and the spray system. The enclosure will direct pressate and spray water through a 3 inch OD plain end pipe drain.
  - iv. The cover over the dewatering zone shall be bolted and shall extend over the entire length of the dewatering zone.
  - v. Discharge back pressure controlled by an iris plate from SINT® engineered polymer. The back pressure iris shall control the screenings dewatering and formed plug at the discharge end.

## 6. Electrical Controls and Devices

- a. Electrical: In addition to the drive motor, the equipment supplier shall furnish all electrical items specifically called for in the Flo-DrumSieve Externally-Fed Rotating Drum Screen Model SGR6060 specification section. The contractor shall supply all other electrical items, and interconnecting wiring of proper size, including all conduit and supports required to place the equipment into service.

- b. Control Panel: See requirements as detailed within the Flo-Drum Sieve Externally-Fed Rotating Drum Screen Model SGR6060 specifications.
- c. Solenoid Valve: One (1) solenoid valve shall be provided to control flow to the spray wash assembly. The brass body valve shall be 120 Volt, single phase, 60 Hz with a NEMA 7 housing.

## **7. Operation, Monitoring, and Control**

- a. Hand Operation: When the shaftless conveyor/compactor selector switch is in the Hand position, the conveyor/compactor spiral will run continuously. Turning the shaftless conveyor/compactor selector switch to Off will stop the unit.
- b. Automatic Operation: When the shaftless conveyor/compactor selector switch is in the Auto position, the spiral will cycle on and off on demand from a remote contact closure from the screen control panel system. An off delay timer shall control the end of the conveyor/compactor operational sequence.
- c. EMERGENCY STOP: The unit can be deactivated at any time by pressing either the control panel mounted, or unit mounted Emergency Stop push buttons.
- d. FAULT CONDITIONS: Motor overload condition will stop the motor and illuminate the fault light.

## **8. Anchorage and Fasteners**

- a. Anchor Bolts: All anchor bolts shall be a minimum of 1/2 inch diameter and made of type 304 stainless steel. The equipment supplier shall furnish all anchor bolts, nuts, and washers required for the equipment.
- b. Fasteners: All fasteners shall be type 304 stainless steel. The equipment supplier shall furnish all fasteners required for the assembly of the equipment.

## **9. Spare Parts**

- a. The following minimum spare parts shall be provided for the screenings conveyor/compactor – None.
- b. Manufacturer shall recommend any additional spare parts deemed necessary based on experience with the screen in similar applications.
- c. Spare parts and service center must be located within a 100-mile radius of the Four Rivers Sanitation Authority.

## **C. Execution**

### **1. Preparation**

- a. The mounting points TOC shall be level and parallel and of proper size.

- b. Contractor shall verify all dimensions in the field to ensure compliance of equipment dimensions with the drawings.

## **2. Installation**

The installation is the responsibility of the Purchaser. Complete installation procedures are included in the O&M manual shipped with the unit.

## **3. Start Up/Training/Field Quality Control**

The initial start-up of SAVÉCO North America equipment will be performed by an authorized SAVÉCO North America representative. The SAVÉCO North America authorized representative will verify the proper operation and installation and provide training to the equipment operators with start-up of the screen(s).

## **4. Adjusting and Cleaning**

Information on minor periodic adjustments and cleaning is contained in the Operating and Maintenance Manual.

### **3.4 Fees**

All bids must include all fees associated with the purchase including any shipping, delivery, or doc fees.

### **3.5 Warranty**

Manufacturers shall unconditionally warrant their products for a period of one (1) year commencing on the date of startup. Supplier shall, upon written notice, furnish labor and new materials to immediately replace and make good, without expense to the Four Rivers Sanitation Authority, faulty materials, and equipment. Any such replacement shall likewise be covered by the same warranty period from subsequent delivery date.

### **3.6 Payments to the Successful Bidder**

Section **2.9A** of this Invitation to Bid contains the Authority's general payment requirements.

### **3.7 Questions**

Interested parties may direct questions concerning this Invitation to Bid to Michael Christensen, Assistant Director of Plant Operations by email at [mchristensen@fourrivers.illinois.gov](mailto:mchristensen@fourrivers.illinois.gov), or by calling 815-262-5858. The Authority will not interpret specifications for individual bidders. If the Authority determines that the specifications need to be clarified or revised, it will issue an addendum to all prospective bidders.

**SECTION IV  
BID FORM**

**INVITATION TO BID #24-205  
SCUM SEPARATOR EQUIPMENT**

FOR REVIEW PURPOSES ONLY

IV  
BID FORM  
FOUR RIVERS SANITATION AUTHORITY  
[INVITATION TO BID #24-205  
SCUM SEPARATOR EQUIPMENT

**Failure to complete this form will result in disqualification of Vendor's bid or proposal.**

To: BOARD OF TRUSTEES  
FOUR RIVERS  
SANITATION AUTHORITY  
3501 KISHWAUKEE ST.  
ROCKFORD, IL 61109

From: \_\_\_\_\_  
(Individual, Partnership or Corporation)

\_\_\_\_\_  
(Address of Individual, Partnership or Corporation)

Trustees:

I (We) the undersigned hereby propose to furnish the **Scum Separator Equipment** in compliance with the attached Introduction, General Specifications and Instructions, Detailed Specifications, Bid Form, Fair Employment Practices Affidavit of Compliance Form, Forms of Affidavit, and Contract Form.

The Undersigned also affirms and declares:

- A. That they have examined and are familiar with all the related contract documents and found that they are accurate and complete and are approved by the undersigned.
- B. That they have carefully examined the scope of the required service, materials or equipment supplied, and that, from their own investigation, have satisfied themselves as to the nature and location of the delivery point, the character, quality and quantity of materials, and the kind and extent of equipment and other facilities needed for the performance of the service and provision of the materials, the general and local conditions and all difficulties to be encountered, and all other items which may, in any way, affect the services, materials, or equipment or their performance.
- C. That this bid is made without any understanding, contract or connection with any other person, partnership, or corporation making a bid for the same purposes, and is in all respects fair and without collusion or fraud; and that they are not barred from submitting a bid as a result of a bid-rigging or bid-rotating conviction.
- D. All goods and services provided in response to this request will be produced in compliance with all applicable requirements of the Fair Labor Standards Act, as amended, and of regulations and orders of the United States Department of Labor.
- E. The firm which I (we) represent complies with all applicable requirements of the Americans with Disabilities Act (ADA), the Occupational Safety and Health Act (OSHA), rules and regulations of the US Department of Transportation (DOT), and the Federal Drug Free Work-Place Act. If said firm is awarded a contract to provide the Authority's **Scum Separator Equipment**, it will:
  - 1. complete all OSHA, ADA, and DOT required supervisory, employee and customer training,

2. document compliance as required,
3. ensure that persons in safety-sensitive positions associated with loading, transportation, and delivery of the merchandise or service detailed in these specifications are subject to all required drug and alcohol testing and are properly licensed,
4. prepare and make available all required information and documentation, and
5. hold harmless and indemnify the Authority and the Authority's representatives as defined in Section 2.16 from all:
  - a. Suits, claims, or actions;
  - b. Costs, either for defense (including but not limited to reasonable attorney's fees and expert witness fees) or for settlements, and;
  - c. Damages of any kind (including but not limited to fines, actual, punitive, and compensatory damages) relating in any way to or arising out of the ADA or the OSHA, to which said firm is exposed or which it incurs in the execution of the contract.

F. The firm which I (we) represent has adopted and promulgated written sexual harassment policies that include, at a minimum, the following information:

1. the illegality of sexual harassment;
2. the definition of sexual harassment under Illinois State Law;
3. a description of sexual harassment, utilizing examples;
4. my (our) organization's internal complaint process including penalties;
5. the legal recourse, investigative and complaint process available through the Illinois Department of Human Rights and the Illinois Human Rights Commission;
6. directions on how to contact the Department and the Commission; and
7. protection against retaliation as provided by Section 6-101 of Illinois Human Rights Act. (775 ILCS 5)

Upon request, my (our) organization will provide the Illinois Department of Human Rights with the information described in F1 through F7 above.

In submitting this bid, I (we) agree that I (we) are not withdraw this bid for a period of sixty (60) calendar days following the scheduled bid opening. I (we) have carefully examined the nature of the service, materials, and equipment. The cost of all the service, materials, and equipment necessary to complete this contract is given in this bid.

The selected proposer is to enter into a Contract with the Authority to complete the Project in a form substantially similar to the Contract attached hereto. The Contract must be executed by the Contractor/Vendor and returned, together with the Insurance Documents and Performance Bond (if applicable) within ten (10) calendar days after it has been mailed to the Contractor. Two copies of the contract must be executed by the Contractor. One fully executed copy will be returned to the Contractor. See Section VIII for a sample copy of the agreement.

**BID FORM CONT'D.  
 FOUR RIVERS SANITATION AUTHORITY  
 INVITATION TO BID #24-205  
 SCUM SEPARATOR EQUIPMENT  
 AS SPECIFIED IN THIS INVITATION TO BID**

**Failure to complete this form will result in disqualification of Vendor's bid.**

Item	Quantity	Cost	Subtotal
Flo-DrumSieve Externally-Fed Rotating Drum Screen Model Number: SGR6060	2	\$/ea.	\$
Wastemaster Shaftless Spiral Conveyor/Compactor Model Number: CPS200	1	\$/ea.	\$
<b>TOTAL BID PRICE</b>			<b>\$</b>

In conformity with the requirements of the Detailed Specifications, I have submitted attached to this request for bids and incorporated in my bid by reference prices and part descriptions sufficient for the Authority to evaluate my organization's bid.

The undersigned acknowledges that Addendum numbers \_\_\_\_, \_\_\_\_, \_\_\_\_ were received, and realizes that all Addenda are considered part of the Contract.

Date: \_\_\_\_\_

**By signing this bid, I/we, the bidder(s), agree to the terms of the bid, bid requirements, addenda, and contract.**

Bidder: \_\_\_\_\_  
 (Print Name of Firm)

By: \_\_\_\_\_  
 (Authorized Rep's Signature)

\_\_\_\_\_  
 (Print Street Address)

\_\_\_\_\_  
 (Print Rep's Name)

\_\_\_\_\_  
 (Print City, State, Zip)

\_\_\_\_\_  
 (Print Rep's Title)

\_\_\_\_\_  
 (Area Code and Phone Number)

\_\_\_\_\_  
 (Email Address)

**NOTE: The Four Rivers Sanitation Authority, a Governmental Unit, pays neither Federal Excise Tax nor Illinois Retailers' Occupational Tax. The bidder must exclude those taxes from their bid.**

**“NO BID” RESPONSE  
TO  
INVITATION TO BID**

If your firm is unable to submit a bid at this time, would you please provide the information requested in the space provided below and return to:

Four Rivers Sanitation Authority  
3501 Kishwaukee Street  
Rockford, IL 61109

For this form only, responses can also be emailed to:

[purchasing@fourrivers.illinois.gov](mailto:purchasing@fourrivers.illinois.gov)

We have received Invitation to Bid: **Scum Separator Equipment**, opening  
at 2:00 P.M., February 8, 2024.

Reason for not bidding: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

BY: \_\_\_\_\_  
Signature

\_\_\_\_\_  
Name & Title, Typed or Printed

\_\_\_\_\_  
Company Name

FOR REVIEW PURPOSES ONLY



**SECTION V  
FAIR EMPLOYMENT AFFIDAVIT OF  
COMPLIANCE**

**INVITATION TO BID #24-205  
SCUM SEPARATOR EQUIPMENT**

V  
**FAIR EMPLOYMENT PRACTICES AFFIDAVIT OF COMPLIANCE  
FOUR RIVERS SANITATION AUTHORITY**

**Failure to complete this form will result in disqualification of Vendor's bid.  
SCUM SEPARATOR EQUIPMENT**

NOTE: THE BIDDER MUST EXECUTE THIS AFFIDAVIT AND SUBMIT IT WITH ITS SIGNED BID. THE FOUR RIVERS SANITATION AUTHORITY CANNOT ACCEPT ANY BID WHICH DOES NOT CONTAIN THIS AFFIDAVIT

\_\_\_\_\_, being first duly sworn, deposes and says that:  
(Name of person making affidavit)

They are: \_\_\_\_\_ of \_\_\_\_\_  
(Officer's Title) (Company Name)

that said company is and "Equal Opportunity Employer" as defined by Section 2000(e) of Chapter 21, Title 42 of the United States Code annotated and Federal Executive Orders #11375 which are incorporated herein by reference;

and that said company will comply with any and all requirements of Title 44 Admin. Code 750. APPENDIX A – Equal Employment Opportunity Clause, Rules and Regulations, Illinois Department of Human Rights, which read as follows:

In the event of the contractor's non-compliance with the provisions of this Equal Employment Opportunity Clause or the Act, the contractor may be declared ineligible for future contracts or subcontracts with the State of Illinois or any of its political subdivisions or municipal corporations, and the contract may be cancelled or voided in whole or in part, and other sanctions or penalties may be imposed or remedies invoked as provided by statute or regulation. During the performance of this contract, the contractor agrees as follows:

- 1) That he or she will not discriminate against any employee or applicant for employment because of race, color, religion, sex, sexual orientation, marital status, order of protection status, national origin or ancestry, citizenship status, age, physical or mental disability unrelated to ability, military status or an unfavorable discharge from military service; and, further, that he or she will examine all job classifications to determine if minority persons or women are underutilized and will take appropriate affirmative action to rectify any underutilization.
- 2) That, if he or she hires additional employees in order to perform this contract or any portion of this contract, he or she will determine the availability (in accordance with this Part) of minorities and women in the areas from which he or she may reasonably recruit and he or she will hire for each job classification for which employees are hired in a way that minorities and women are not underutilized.
- 3) That, in all solicitations or advertisements for employees placed by him or her or on his or her behalf, he or she will state that all applicants will be afforded equal opportunity without discrimination because of race, color, religion, sex, sexual orientation, marital status, order of protection status, national origin or ancestry, citizenship status, age, physical or mental disability unrelated to ability, military status or an unfavorable discharge from military service.
- 4) That he or she will send to each labor organization or representative of workers with which he or she has or is bound by a collective bargaining or other agreement or understanding, a notice advising the labor organization or representative of the contractor's obligations under the Act and this Part. If any labor organization or representative fails or refuses to cooperate with the contractor in his or her efforts to comply with the Act and this Part, the contractor will promptly notify the Department and the contracting agency and will recruit employees from other sources when necessary to fulfill its obligations under the contract.
- 5) That he or she will submit reports as required by this Part, furnish all relevant information as may from time to time be requested by the Department or the contracting agency, and in all respects comply with the Act and this Part.
- 6) That he or she will permit access to all relevant books, records, accounts and work sites by personnel of the contracting agency and the Department for purposes of investigation to ascertain compliance with the Act and the Department's Rules and Regulations.
- 7) That he or she will include verbatim or by reference the provisions of this clause in every subcontract awarded under which any portion of the contract obligations are undertaken or assumed, so that the provisions will be binding upon the subcontractor. In the same manner as with other provisions of this contract, the contractor will be liable for compliance with applicable provisions of this clause by subcontractors; and further it will promptly notify the contracting agency and the Department in the event any subcontractor fails or refuses to comply with the provisions. In addition, the contractor will not utilize any subcontractor declared by the Illinois Human Rights Commission to be ineligible for contracts or subcontracts with the State of Illinois or any of its political subdivisions or municipal corporations.

(Source: Amended at 35 Ill. Reg. 3695, effective February 18, 2011)

IL Dept of Human Rights Registration No.: \_\_\_\_\_ Expiration Date: \_\_\_\_\_

Signature \_\_\_\_\_

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

Notary Public \_\_\_\_\_

**SECTION VI  
FORMS OF AFFIDAVIT**

**INVITATION TO BID 24-205  
SCUM SEPARATOR EQUIPMENT**

FOR REVIEW PURPOSES ONLY

VI  
FORMS OF AFFIDAVIT  
FOUR RIVERS SANITATION AUTHORITY  
INVITATION TO BID #24-205  
SCUM SEPARATOR EQUIPMENT

**Failure to complete this form will result in disqualification of Vendor's bid.**

Bidder City: \_\_\_\_\_ Bidder County: \_\_\_\_\_ Bidder State: \_\_\_\_\_

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**This Section for Sole Proprietorship:**

I, \_\_\_\_\_ (name), being duly sworn, depose and say that the organization I represent is a sole proprietorship, and that I am the person described in and who executed the foregoing bid and that the several matters therein stated are in all respects true.

Signature \_\_\_\_\_

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**This Section for Partnership:**

I, \_\_\_\_\_ (name), being duly sworn, depose and say that I am a member of \_\_\_\_\_ (partnership name), the firm described in and which executed the foregoing bid; that I duly subscribed the name of the firm thereunto on behalf of the firm; and that the several matters therein stated are in all respects true.

Signature \_\_\_\_\_

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**This Section for Corporation:**

We, \_\_\_\_\_ (representative who signed the Bid Form), and \_\_\_\_\_ (other corporate officer), being duly sworn, depose and say that we reside in the cities of \_\_\_\_\_ and \_\_\_\_\_, respectively, and that we are the \_\_\_\_\_ (representative's title) and the \_\_\_\_\_ (other corporate officer's title), respectively, of \_\_\_\_\_ (corporation name), the firm described in and which executed the foregoing instrument; that we are authorized to complete this form and to enter into this contract on behalf of said corporation; that we have signed our names thereto by like order; and that we have knowledge of the several matters therein stated and they are in all respects true.

\_\_\_\_\_  
(representative's signature)

\_\_\_\_\_  
(other corporate officer's signature)

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**This Section for a Limited Liability Corporation:**

I, \_\_\_\_\_ (name), being duly sworn, depose and say that I am a \_\_\_\_\_ (representative's title) of \_\_\_\_\_ (company name), the company described in and which executed the foregoing bid; that I am authorized to complete this form and to enter into this contract on behalf of said company and have knowledge of the several matters therein stated and they are in all respects true.

Signature \_\_\_\_\_

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**Notarization (required for all successful bidders):**

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

Notary Public \_\_\_\_\_

County \_\_\_\_\_

My Commission Expires \_\_\_\_\_

FOR REVIEW PURPOSES ONLY

**SECTION VII  
BID BOND**

**INVITATION TO BID #24-205  
SCUM SEPARATOR EQUIPMENT**

VII  
BID BOND  
FOUR RIVERS SANITATION AUTHORITY  
ROCKFORD, ILLINOIS  
**SCUM SEPARATOR EQUIPMENT**

KNOW ALL MEN BY THESE PRESENT, that we:

\_\_\_\_\_ (hereinafter called the Principal) and

\_\_\_\_\_ (hereinafter called the Surety) a

Corporation chartered and existing under the laws of the State of \_\_\_\_\_

with its principal offices in the City of \_\_\_\_\_ and authorized to do business in the State of Illinois are held and firmly bound onto the Four Rivers Sanitation Authority of Winnebago County, Illinois (Authority), in the full and just sum of:

\_\_\_\_\_ Dollars

(\$ \_\_\_\_\_) good lawful money of the United States of America, to be paid upon demand of the Authority, to which payment will and truly to be made we bind ourselves, our heirs, executors, administrators, and assigns, jointly and severally and firmly by these presents.

WHEREAS, the Principal is about to submit, or has submitted to the Authority, a bid for providing **Scum Separator Equipment**.

WHEREAS, the Principal desires to file this bond, in accordance with law, in lieu of a certified bidder's check otherwise required to accompany this Bid.

FOR REVIEW PURPOSES ONLY

IN TESTIMONY THEREOF, the Principal and Surety have caused these presents to be  
duly signed and sealed this \_\_\_ day of \_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
**Principal**

(Seal)

By \_\_\_\_\_

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

ATTEST:

\_\_\_\_\_

\_\_\_\_\_  
**Surety**

(Seal)

By \_\_\_\_\_

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

FOR REVIEW PURPOSES ONLY

**SECTION VIII  
CONTRACT SAMPLE**

**INVITATION TO BID #24-205  
SCUM SEPARATOR EQUIPMENT**

FOR REVIEW PURPOSES ONLY



**VIII  
CONTRACT  
FOUR RIVERS SANITATION AUTHORITY  
SCUM SEPARATOR EQUIPMENT**

THIS CONTRACT, made and concluded this \_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, between the Four Rivers Sanitation Authority, Illinois, also known as "Authority," and \_\_\_\_\_ their executors, administrators, successors or assigns, known as "Contractor":

In consideration of the payments and contracts mentioned in the Bid attached hereto, to be made and performed by the Authority, the Contractor agrees with the Authority at their own proper cost and expense to do all the work, furnish all equipment, materials and all labor necessary to complete the work and furnish the merchandise in accordance with the specifications hereinafter described, and the Authority's requirements.

**1. Scope**

Both parties understand and agree that the Introduction, General Specifications and Instructions, Detailed Specifications, Bid Form, Fair Employment Practices Affidavit of Compliance Form, and Forms of Affidavit of the Invitation to Bid: **Scum Separator Equipment**, all Addenda there to (if any), and any and all provisions required by law, are all essential documents of the contract, and are a part hereof, as if herein set out verbatim or as if attached, except for titles, subtitles, headings, table of contents and portions specifically excluded.

Unless the Contractor and the Authority terminate the Contract by their mutual written Contract in conformity with Section II, 2.14 of the Invitation to Bid, the contractor must provide the **Authority's Scum Separator Equipment** including delivery, and a 1-year warranty from date of startup at the bid price.

**2. Contract Price**

The Authority will pay to the Contractor, and the Contractor will accept, in full payment for the performance of this Contract, subject to any additions or deductions provided for hereby, in current funds, the total contract price of:

\_\_\_\_\_ (\$\_\_\_\_\_).

The Contractor fully understands and agrees that their bid price, delivered F.O.B. 3333 Kishwaukee St., Rockford, IL will be the only basis for payment for the contract's duration, and that in the absence of changes to which the Authority and Contractor agree because of revisions to the scope of the **Scum Separator Equipment**, this contract allows for no price increases.

The Authority will make payments to the Contractor, in accordance with and subject to the provisions of Section 4 of this Contract.

**3. Contract Execution**

The Contractor must:

- A.** Perform all services in a responsible manner, supplying only service, materials, or equipment that meets or exceeds the Authority's specifications;

- B.** Deliver the Scum Separator Equipment in conformity with the specifications;
- C.** Sustain all loss or damage arising out of the nature of the work to be done, or from any unforeseen obstruction or difficulty which they may encounter in the prosecution of the work, or from the action of the elements;
- D.** Be responsible for all accidents they, their employees, or agents may incur in the contract's execution;
- E.** Hold the Authority and its representatives harmless from liability of any nature or kind on account of use of any copyrighted or un-copyrighted composition, secret process, patented or unpatented invention, article or appliance furnished or used under this Contract. The Contractor must likewise hold harmless and indemnify the Authority and its representatives from all:
1. suits, claims, or actions,
  2. costs, either for defense or for settlements, and
  3. damages to which the Authority or its representatives might be exposed by reason of an injury or alleged injury, to the person or property of another:
    - a. in the execution of the Contract, or
    - b. from actions the Authority or its representatives take on the Contractor's behalf, except in cases where such suits, claims, actions, or costs are found to be based on the Authority's negligence. For purposes of this paragraph, "its representatives" means "the Four Rivers Sanitation Authority's trustees, employees, agents, assigns, and their heirs;"
- F.** Comply with all applicable requirements of the Americans with Disabilities Act (ADA), the Occupational Safety and Health Act (OSHA), rules and regulations of the US Department of Transportation (DOT), and the Federal Drug Free Work Place Act, and will:
1. complete all OSHA, ADA, and DOT required supervisory, employee and customer training,
  2. document compliance as required,
  3. ensure that persons in safety-sensitive positions associated with loading, transportation, and delivery of the merchandise or service detailed in these specifications are subject to all required drug and alcohol testing and are properly licensed,
  4. prepare and make available all required information and documentation, and
  5. hold harmless and indemnify the Authority and the Authority's representatives as defined in Section 2.16 from all:
    - a. Suits, claims, or actions;
    - b. Costs, either for defense (including but not limited to reasonable attorney's fees and expert witness fees) or for settlements, and;
    - c. Damages of any kind (including but not limited to fines, actual, punitive, and compensatory damages) relating in any way to or arising out of the ADA or the OSHA, to which said firm is exposed or which it incurs in the execution

of the contract.

- G.** Adopt and promulgate written sexual harassment policies that include, at a minimum, the following information:
1. the illegality of sexual harassment;
  2. the definition of sexual harassment under Illinois State law;
  3. a description of sexual harassment, utilizing examples;
  4. Contractor's internal complaint process including penalties;
  5. the legal recourse, investigative and complaint process available through the Illinois Department of Human Rights and the Illinois Human Rights Commission;
  6. directions on how to contact the Department and the Commission; and
  7. protection against retaliation as provided by Section 6-101 of Illinois Human Rights Act.

Upon request, Contractor will provide the Illinois Department of Human Rights with the information described in G1 through G7 above.

- H.** Maintain all specified insurance for the duration of the contract.
- I.** The Steel Products Procurement Act, Illinois Public Act 83-1030, requires that steel products used or supplied in performance of this Contract or subcontract must be manufactured or produced in the United States with three exceptions, as explained in the Instructions to Bidders.
- J.** In the absence of the Authority's written permission, the Contractor must not use the Authority's name in any form or medium of public advertising.
- K.** This Contract must extend to and be binding upon the successors and assigns, and upon the heirs, administrators, executors, and legal representatives of the Contractor.

In consideration of and to induce the award of this Contract to them, the Contractor represents and warrants: that they are not in arrears to the Authority upon debt of the Contract and that they are not a defaulter, as surety, contractor or otherwise; that they are financially solvent and sufficiently experienced and competent to perform the work; that the work can be performed as called for by the Contract; that the facts stated in their bid and the information given by them is true and correct in all respects, and that they are fully informed regarding all the conditions affecting the work to be done and labor and materials to be furnished for the completion of this Contract and that their information was secured by personal investigation and research.

If the Contractor defaults, the Authority may procure **Scum Separator Equipment** described in this Invitation to Bid, from other sources. In such an event, the price the Authority pays constitutes the prevailing market price at the time of such purchase and the defaulting Contractor must pay the Authority the difference between their bid price and the prevailing market price. The defaulting Contractor must make such payment no more than 60 calendar-days after the Authority notifies them, in writing, of such an occurrence.

#### **4. Payments to Contractor**

If the Authority receives an acceptable invoice for conforming service prior to the fifth day of the month, the Authority will issue payment before the fifth day of the succeeding month. If received on or after the fifth day of the month, payment will be issued the following month.

#### **5. Subcontracts**

No part of the work herein provided for is to be sublet or subcontracted without the express written consent of the Authority, and in no case will consent relieve said Contractor from the obligation herein entered into, or change the terms of this Contract.

#### **6. Contractor's Responsibility**

This Contract must extend to and be binding upon the successors and assigns, and upon the heirs, administrators, executors, and legal representatives of the Contractor.

#### **7. Counterparts**

This Agreement may be executed and recorded in counterparts, each of which is to be deemed an original and all of which, when taken together, constitutes one and the same instrument. The Parties hereby acknowledge and agree that facsimile signatures or signatures transmitted by electronic mail in so-called "pdf" format must be legal and binding and must have the same full force and effect as if an original of this Agreement had been delivered. Each of the parties (a) intend to be bound by the signatures on any document sent by facsimile or electronic mail, (b) are aware that the other party will rely on such signatures, and (c) hereby waive any defenses to the enforcement of the terms of this Agreement based on the foregoing forms of signature.

#### **8. Time**

The Contractor agrees to all delivery schedules specified in the Invitation to Bid.

**9. Seals**

IN WITNESS WHEREOF, the parties have hereunto set their hands, and are duly authorized to enter into such contracts on behalf of their respective organizations.

\_\_\_\_\_  
Name of Firm - Contractor

By \_\_\_\_\_  
Authorized Signature

ATTEST:

By: \_\_\_\_\_

Its: \_\_\_\_\_

Four Rivers Sanitation Authority  
Winnebago County, Illinois

By \_\_\_\_\_  
Executive Director

ATTEST: \_\_\_\_\_  
Director of Management Services

STATE OF ILLINOIS )  
COUNTY OF WINNEBAGO )

On this \_\_\_\_ day of \_\_\_\_\_, 20\_\_ before me, a notary public within and for said County, personally appeared Timothy S. Hanson and Julia Scott-Valdez, to me personally known, who, being each by me duly sworn did say that they are respectively, the Executive Director and Director of Management Services of the Four Rivers Sanitation Authority, named in the foregoing instrument, and that said instrument was signed and sealed in behalf of the Authority, and said Executive Director and Director of Management Services acknowledge said instrument to be the free act and deed of said Authority.

(SEAL)

\_\_\_\_\_  
Notary Public