



BID FORM A:

2025 Metrogro Semi Tanker Trailer Purchase

Return To: Madison Metropolitan Sewerage District 1610 Moorland Rd. Madison WI, 53713 Attn: Erik Rehr	Title: 2025 Metrogro Semi Tanker Trailer Purchase Date Issued: Monday, July 8, 2024 Project manager Erik Rehr Telephone: 608-709-1833 Email: erikr@madsewer.org
BIDDER:	Submit Bid by 11:00 a.m. on Tuesday, August 6, 2024 Todays Date: July 2, 2024

Specifications:

1.0 Semi Tanker Trailer

a. General Specifications

i. Tank description: Non-Code Transport, Exposed Ring, 96” OAW, 6” slope to rear

1. Capacity: 6000 US gallons nominal
2. Compartments: One
3. Profile: straight round with 6-inch pitch to rear
4. Product: sludge
5. Product wt/US gal: 13# max
6. Working pressure: 25 PSI with 45 PSI test
7. GCWR: 80,000#, 42 ft OAL tank, State of Operation – Federal Weight Laws
8. Max loading temp: 150° F max

ii. Vessel

1. Shell material: 10 ga. T316L-2B finish stainless steel
2. Head material: 10 ga. T316L-2B finish stainless steel, butt welded, ASME dished
3. Weld finish: W-1 weld discoloration removed with bottom 12” W-3 ground flush inside, W-2 snag proof outside
4. Baffles: none
5. Manhole: (2) Betts 8310-LC 20” full opening 6-lug with Teflon rope gasket in cover, (1) located near center of tank and hinged to front and (1) located at bottom rear head and hinged to curbside
6. Bolster: stainless steel
7. Frame: stainless steel subframe

8. Longmembers: ¼" upper 5th wheel longmembers, 7 ga. landing leg & running long members, stainless steel above sub frame only
 9. Cleanouts: none
 10. Rings: stainless steel, continuously weld rings per DOT requirements
 11. Heat: none
 12. Insulation: none
 13. Jacket: none
- iii. Outlet
1. Vent 1: (1) 4" threaded Betts combination RVC4ST-25 pressure / vacuum relief vent, with Teflon seals and wear components, on 4" threaded nozzle located to rear of manhole
 2. Vent 2: (1) 3" ANSI flanged nozzle forward of the manhole with a 3" air actuated (air to open / spring closed) butterfly valve. Air operator switch located on roadside near front of pump platform. Install a 90° elbow (3" ANSI flange x 3" hose barb) pointed to roadside with a 3" pressure hose routed down to 3" T. One side of T to a 3" ball valve facing down. Other side of T to 3" to a flapper check valve to outlet of pump.



3. Vent 3: (1) 3" nozzle on top centerline of tank at front. Install a primary shutoff assembly on the inside of the tank below this nozzle with a SS cage and 6" SS float ball. On the outside of the tank install a 90° elbow pointed to the rear to a 3" air operated butterfly valve (air-to-open and air-to-close). After the butterfly valve, install a 90° elbow pointed down and rotated approximately 45° to roadside with 3" vent hose to bottom of tank. Air operator switch located at curbside rear, operator line plumbed to open 3" free-breathing vent first then 10" unload valve
4. Emergency valve: none
5. Outlet valve, rear: (1) 6" stainless steel True Line complete with air cylinder and resilient seal, air to open and air to close, air switch at bottom rear
6. Gasket: Teflon envelope gaskets on all flanged connections
7. Piping:
 - (1) 6" flanged nozzle on bottom centerline of tank, forward of the rear crossmember.
 - (1) 6" flanged pipe assembly with 90° elbow and extension to rear.
8. Outlet fitting: 6" aluminum cam style adapter & dust cap, tilt coupling 20° down from level, install hook to hand dust cap on
9. Pump off line: none
10. Cables: plastic coated on all caps in the outlet and piping area
11. Top Unload Pipe: 10" SS SCH40 pipe extended from top center line, at rear of tank, down to pipe brace at bottom of tank. Internal pipe brace pipe at bottom is a 17.5" wide x 32.00" long channel, (minimum) 2.75" from bottom centerline to top interior of channel. Exterior (top) of pipe ends with a 10" ANSI flange.



12. Top Unload Valve: 10" Stainless steel True Line complete with air cylinder and resilient seal, with 2-way air cylinder (air-to-open and air-to-close). Air operator switch located on roadside. Line plumbed to open 3" free-breathing vent first then 10" outlet valve.
13. Top Unload Fittings: 10" ANSI flange with a 10" SS SCH40 pipe x 10" long. Customer will install rubber boot per pictures below:



14. Manhole: (2) 20" diameter stainless steel full opening Betts #8310-LC chemical manhole cover with 6 hold downs and Teflon rope gasket, hinge pin at front and located (1) near center of tank and (1) at bottom rear head and hinged to curbside

iv. Pump Package

1. Pump platform: pump platform assembly to the rear of the landing legs to hold the vacuum pump package, pump package includes a reinforced floor and a front close-off panel
2. Pump package: Wittig RFL100 air cooled air pump, Witting air pump driven by a hydraulic motor, 1" hydraulic lines from hydraulic drive motor to front of trailer, Wittig air pump and plumbing designed to provide air pressure and vacuum to the tank to load, unloading tank, appropriate pressure relief vents installed on pump package, Wittig pump includes an air filter on the inlet port, air filter inlet pointed to the ground
3. Hydraulic lines: 1" stainless steel pressure and 1" return hydraulic lines to the front center of skid plate of the trailer, with standard pipe thread
4. Pressure gauge: (1) 0-60PSI gauge located at top rear of tank pointed to rear

5. Capacity indicator: (1) T316SS ball float type, 8" float ball with packing type seal, located inside a gauge well on the rear head, offset to roadside, near horizontal centerline

v. Chassis

1. Kingpin plate: OEM bolt-on 4" increments, 2" adjustments
2. Landing gear: Jost A 400, 2-speed with sand shoes, curbside crank, SS frame
3. Suspension: Hendrickson Intraax #AANT23 air ride (49" spread) with manual dump kit. 38" wide ¼" SS frame
4. Axles: (2) HP spindles (ABS ready) 5-3/4" round, (23,000# rating) integral with suspension, 71 ½" track with same inner and outer bearings
5. Brakes: HXS (extended life) 16-1/2 x 7 s-cam with no dust shields, (20,000# rating). Sealco brake valve
6. ABS system: Meritor Wabco enhanced anti-lock brake system 4S/2M with in-cab warning light feature and amber warning light near the front face of the left rear fender
7. Slack adjusters: automatic slack adjusters
8. Spring brake chambers: 30-30 spring brake chambers
9. Reservoirs: steel air tank system meeting FMVSS 121 requirements
10. Hubs: 10 stud, hub piloted with exciter rings for ABS. Use studs long enough for aluminum wheels. Hubs filled with synthetic oil.
11. Hub odometer: none
12. Drums: outboard mounted cast drums
13. Wheel seals: Stemco Guardian
14. Wheels: (8) 8.25 x 22.5 steel disc painted white, 10-hole hub piloted
15. Tires: (8) 11R-22.5
16. Tire inflation system: none
17. Tire carrier: none
18. Fenders: aluminum contour front and rear with SS braces
19. Mudflaps: (2) pair black plastic anti-sail
20. Bumper: (1) 4" x 4" SS sq. tube, 89" wide, per DOT NHTSA rules
21. Paint: carbon steel parts primed and painted silver Dupont #45406

vi. Electrical

1. Nose box: 7 Way A.T.A. connector and ISO connector mounted on front head roadside
2. Wiring: harness with junction box
3. Lights: 12-Volt Truck-Lite LED grommets. Rear lights in SS boxes with remainder in brackets. Side markers tied into turn signals. Wiring to run in stainless tube from front head to front of running gear. Install bracket and wiring for Customer installed 4" x 4" light mounted on the top of rear head, install 3 hole rear light boxes and install wiring (1 per box between stop and turn lights and for (2) Customer installed 4" lights). Customer installed lights to be powered by ISO connector at front. Electrical wire for these lights to be included.

vii. Accessories

1. Spilldam: none
2. Ladder: (1) SS 18" wide with dimpled channel rungs and platform type top step, with side rails, located on curbside at manhole
3. Walkway: none
4. Hose carrier: none
5. Capacity indicator: (1) T316SS ball float type, 8" float ball with packing type seal, located in rear head on roadside near horizontal centerline.
6. Cabinet: none
7. Conspicuity marking: 2" wide retro-reflective tape in accordance with US DOT NHTSA rules
8. DOT sign holder: none
9. Certificate holder: (1) Betts PS-1 mounted curbside on landing gear frame
10. Thermometer: none

b. Additional Specification:

- i. Calibration: paper chart, theoretical computer printout in ¼" increments
- ii. Drawings: send customer drawings for approval before manufacturing
- iii. Warranty period: 3 year
- iv. Provide printout/electronic copy of Semi Tanker Trailer specifications for the unit being submitted

c. Installation Notes

- i. Available for MMSD pickup or delivered to 1610 Moorland Rd, Madison WI on or before November 30, 2025.

2.0 PURPOSE AND SCOPE

The Madison Metropolitan Sewerage District invites and will accept bids for the purchase of a Metrogro Semi Tanker Trailer as specified above. MMSD intends to use the results of this process to award and issue a purchase order for the winning bid as a lump sum.

3.0 CORRESPONDENCE, CLARIFICATIONS AND QUESTIONS

Bidders are expected to raise any questions, exceptions or additions they have concerning the bid document by July 29, 2024. If a bidder discovers any significant ambiguity, error, conflict, discrepancy, omission, or other deficiency in this request for bid, the bidder must immediately notify the Project Manager named on the cover page of the issue in writing and request modification or clarification of the bid document. All inquiries must be directed to the person indicated on the cover page. E-mail is the preferred method of contact.

4.0 ADDENDUMS

In the event it becomes necessary to clarify any part of this request for bid, or to revise any part of this RFB, the Project manager will send out an official addendum to all potential bidders. Bidders must acknowledge the receipt of any addendum(s) on the Bidder Response Sheet.

The Project manager has the sole authority for modifications of this specifications and or bid.

5.0 METHOD OF BID

Bidder must use the Bidder Response Sheet (Attachment C) and must submit a Net Purchase Price. All prices must be bid in U.S. Dollars. Bidder's own quotation sheet will not be accepted.

6.0 INVOICING REQUIREMENTS

Contractor shall invoice after materials are shipped. MMSD will pay or reject invoices within 30 days of receipt by MMSD. Only properly submitted invoices shall be officially received for payment. Thus, your prompt payment requires that your invoices be clear and complete in conformity with the instructions below.

All invoices must be itemized showing

- a. Purchase Order number
- b. Contractor name
- c. Remit to address and telephone number
- d. Contract price(s) and detail of what is being billed
- e. Emailed to acct@madsewer.org

7.0 METHOD OF AWARD

Award(s) shall be made on the basis of the lowest **Net Purchase Price bid** from a responsive, responsible bidder who meets all specifications. MMSD will award to one (1) Bidder whichever

8.0 REQUIRED FORMS

In order for your bid to be considered, the following completed documents must be provided. An “X” preceding the form indicates that it must be completed and returned with the Bid response by the due date and time listed on the bid cover page, in order for your bid to be considered. Include:

X	Bidder Response Sheet	Attachment C

Failure to provide the required documents/information within your bid submittal may disqualify your bid.



**BIDDER RESPONSE SHEET. RFB 2025 Metrogro Semi Tanker Trailer
ATTACHMENT C**

Bidders must submit the following table with a response in the form of a check in one box for each criterion indicating “Yes” or “No”. A check indicating “Yes” certifies that the Bidder is fully capable of providing the service or qualification described. **Bids without a response for each requirement or “No” will be rejected.** Awarded vendor must be able to answer “Yes” to all requirements.

QUALIFICATIONS AND REQUIREMENTS

Section	Requirement Description	YES, I <u>can</u> meet this requirement	NO, I <u>cannot</u> meet this requirement
1.0 b. iii.	Warranty period: 3 years		
1.0 c. i.	Delivered to 1610 Moorland Rd, Madison WI. or available for MMSD pickup on or before November 30, 2025		
1.0 b. iv.	Provide printout/electronic copy of Semi Tanker Trailer specifications for the unit being submitted		

Proposed semi tanker trailer identification:

Year: _____

Manufacturer: _____

Model: _____

Estimated availability date: _____

Sticker price: \$ _____

Discounts: \$ _____

Net purchase price: \$ _____

Delivery (optional): \$ _____

Madison Metropolitan Sewerage District



1610 Moorland Road • Madison, WI 53713-3398 • P: (608) 222-1201 • F: (608) 299-2129

Company name: _____

Company address: _____

Company phone: _____

Authorization signature: _____

Addendum # _____

Printed name: _____

Date and time bid received: _____

Signature of authorized MMSD Employee:

Printed Name: _____

Date: _____