

MEPNN Supplier Scouting Opportunity Synopsis

Section 1: General Information

Scouting Number	2025-078
Item to be Scouted	BABA Compliant UV Disinfection System
Days to be scouted	30
Response Due By	04/11/2025
Description	<p>United States manufacturers of BABAA-compliant Compliant UV Disinfection System ology in a horizontal bulb configuration.</p> <p>Two systems will be provided in a lead/standby configuration, each rated for a peak flow capacity of 2.0 MGD. The system shall meet a monthly average fecal coliform limit of 14 CFU/100mL and a monthly average enterococcus limit of 8 CFU/100mL. The UV system manufacturer must provide power and control equipment for the system.</p>
Notify Requester Immediately	No
State item to be used in	Maine

Section 2: Technical Information

Type of supplier being sought	Other
Details	Manufacturer/Distributor
Reason	BABA
Describe the manufacturing processes (elaborate to provide as much detail as possible)	Various as there are different and varied components. Includes but is not limited to Electronic Assembly
Provide dimensions / size / tolerances / performance specifications for the item	<p>See attached UV Disinfection System Products Specification.</p> <p>Domestic components in each of the BABAA compliant manufactured products must exceed 55% of the total component cost and be assembled in the United States.</p>
List required materials needed to make the product, including materials of product components	<p>MATERIALS OF CONSTRUCTION</p> <ul style="list-style-type: none"> • All module welded metal components in contact with effluent shall be Type 304 stainless steel. All metal components that are not in contact with the effluent shall be Type 304 stainless steel. • All wiring exposed to UV light will be Teflon coated. • All material exposed to UV light shall be 304 stainless steel, 316 stainless steel, anodized aluminum, quartz 214 glass, Viton, or Teflon. • UV Module Frame/Support Rack: Type 316 stainless steel • Ballast: Anodized aluminum or 304 stainless steel • Level Control Weir: Type 304L stainless steel or aluminum • Cleaning Wipers: Teflon or Viton • PDC, SCC and HSC Enclosures: Type 304 stainless steel - Type 4X (IP66) • Lifting Device: Type 304 stainless steel • Maintenance Rack: Type 304 stainless steel • All Bolts, nuts, anchors, washers, appurtenances, and related fastening hardware shall be type 316 stainless steel. All stainless steel components shall be electro- polished or pacified to obtain maximum corrosion resistance. All necessary hardware, attachments, and related appurtenances for installation of the equipment and supporting systems shall be provided. All stainless steel bolts shall comply with ASTM F 593 standards. Stainless steel nuts shall comply with ASTM F 594 standards.

Are there applicable certification requirements?	No
Are there applicable regulations?	Yes
Details	Yes. National Electrical Manufacturers Association (NEMA), National Water Research Institute (NWRI), Ultraviolet Disinfection Guidelines for Drinking Water and Water Reuse, EPA Design Manual EPA/625/1-86/021 Municipal Wastewater Disinfection. American Society for Testing and Materials (ASTM).
Are there any other standards, requirements, etc.?	No
NAICS 1	
NAICS 2	
Additional Technical Comments	<p>Certification(s) required - Build America, Buy America Act (BABAA) compliant</p> <p>Must be able to submit BABAA manufactured product self-certification manufactured product letter that details a compliant product.</p> <p>Manufacturers shall specialize and have experience in the manufacturing of the designated components.</p> <p>Provide all related appurtenances, including but not limited to effluent weir, wiper system, supports, wiring, attachments, conduit, control relays, foundations, anchors, support brackets, and all related accessories to provide a complete operational UV disinfection system.</p> <p>The UV system shall be provided complete with a level control weir to maintain sufficient submergence of the UV lamps with minimal level change to ensure submergence, cooling, and disinfection under the full range of flows.</p> <p>See attached UV Disinfection System Products Specification.</p> <p>Basis for design is Trojan Technologies UV Disinfection System that is not a BABA compliant manufactured product.</p>

Section 4: Business Information

Estimated potential business volume	Two (2) UV Disinfection Systems
Estimated target price / unit cost information (if unavailable explain)	Best available, as this is related to BABA, acceptable pricing is to be determined in negotiation.
When is it needed by?	August 2025
Describe packaging requirements	No specifications - undamaged
Where will this item be shipped?	Freeport, Maine

Additional Comments

Is there other information you would like to include?

Nationwide Search

Provide written documentation in response to the Supplier Scouting request of being a current Build America Buy America Act compliant UV Disinfection System manufacturer with experience manufacturing the system components meeting the product performance requirements.

Information on BABAA compliance requirements can be found at Made in America Office link <https://www.madeinamerica.gov/>.

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