



**ARLINGTON COUNTY, VIRGINIA
OFFICE OF THE PURCHASING AGENT
INVITATION TO BID NO. 24-DES-ITBPW-330**

ADDENDUM NO. 1

Arlington County (hereinafter referred to as the "County") Invitation to Bid (ITB) No. 24-DES-ITBPW-330 for Hypo Tank Replacement is amended as follows:

- **THE COUNTY IS HEREBY EXTENDING THE BID DUE DATE UNTIL JANUARY 17, 2024 AT 2:00 P.M.**
- **THE COUNTY HAS AMENDED THE BID FORM ATTACHMENT A: PRICE SCHEDULE:**
- **THE COUNTY HAS AMENDED THE FOLLOWING SUPPLEMENTARY SPECIFICATIONS:**
 - I. **REPLACE SECTION 2.07 MANUFACTURERS WITH THE FOLLOWING.**
 - 2.07 MANUFACTURERS
 - A. Tanks shall be provided by the manufacturers listed below.
 - 1. Augusta Fiberglass, Blackville, SC.
 - 2. Fiber Glass Systems LP, Belton, TX.
 - 3. Plas-Tanks Industries, Inc., Hamilton, OH.
- **THE SUMMARY OF THE PRE-BID CONFERENCE HELD ON DECEMBER 12, 2023 IS AS FOLLOWS:**

During the pre-bid conference, the County reviewed key dates related to the ITB, prevailing wage requirements for construction services and the project officer provided a brief overview of the scope of services. Information highlighted during the scope of work can be found in the presentation provided.
- **THE MANDATORY PRE-BID SITE VISIT SIGN-IN SHEETS ON WEDNESDAY, DECEMBER 13, 2023 AT 1:00 P.M. IS ATTACHED.**
- **THE MANDATORY PRE-BID SITE VISIT SIGN-IN SHEETS ON FRIDAY, DECEMBER 15, 2023 AT 11:00 A.M. IS ATTACHED.**
- **THE COUNTY HAS RECEIVED THE FOLLOWING QUESTIONS IN RESPONSE TO THIS ITB. QUESTIONS AND RESPONSES ARE INCLUDED BELOW.**
 - **Question #1:** Please confirm that the area north of the SHF can be used for a crane and that there are no underground utilities that prevent this.

Answer #1: Existing roadways and parking areas may be used to locate a crane for removing existing tanks or installing new tanks. The Engineer will review the Contractor's proposed crane location for loading confirmation.
 - **Question #2:** The area south of the SHF has high voltage power lines. What is the voltage and is there any pre-existing knowledge of the Virginia Power required separation required to determine if provisions must be made with cranes for tank removal and replacement?

Answer #2: The County does not have knowledge of the voltage nor pre-existing Virginia Power required separations to allow cranes for tank removal and replacement. However, bidders can contact Dominion Energy for information on voltages and working adjacent to their transmission lines. Depending on the proposed crane size and location, the Contractor may need to coordinate with Dominion Energy. Some previous work along the south side of SHF has been coordinated with Dominion Energy.

- **Question #3: Will the plant empty and clean the tanks required to be demolished? Please advise the work that contractor is to carry in the bid.**

Answer #3: Prior to turning tanks over to the Contractor, the WPCB staff will empty, flush with non-potable water, drain, and open the bottom manway to dry them out. There will likely be some residual moisture and chemical in the tanks, but the amount will be minimized. Any material remaining in the tank once it is turned over to the Contractor will be the Contractor's responsibility to remove.

- **Question #4: Are the existing roof beams in the SHF and NFF capable of supporting the weight of the empty tanks for purposes of hoisting?**

Answer #4: Existing roof beams can be used to hoist tanks within the buildings. Location of hoist should be submitted to the Engineer so the Engineer can review weights to hoist and location of hoist.

- **Question #5: The concrete repair notes require inspection of the existing concrete and allude to possible epoxy crack injection. Confirm that any injection, spall repair and concrete repair resulting from the inspection is extra work not included in the bid?**

Answer #5: The County has included an allowance of \$30,000 for surface preparation prior to coating in NFF and SHF and for any concrete pad repairs at SHF. This allowance is included in the revised Attachment A: Pricing Sheet.

- **Question #6: There is a chemical tote adjacent to the NFF tank. Will the plant remove it so the work can be performed? Please advise what should be carried in our bid.**

Answer #6: The chemical totes in NFF serve as the temporary chemical storage for odor control. Tote removal should be included in the Contractor's base bid. The totes will need to remain in service for as long as possible during construction to minimize chemical feed downtime. Any chemical feed shutdowns will need to be coordinated with WPCB staff. Prior to turning the totes over to the Contractor, the WPCB staff will empty, flush, and drain the totes. There will likely be some residual chemical in the totes, but the amount will be minimized. Any material remaining in the totes once they are turned over to the Contractor will be the Contractor's responsibility to remove.

- **Question #7: Will equal products be considered for the concrete coating specified in Section 09 97 00?**

Answer #7: Substitutions may be submitted and will be considered according to Section III Arlington County Construction General Conditions B.12. Standards and Substitutions

- **Question #8: Will equal manufacturers other than the (4) listed be considered for the FRP Tanks specified in Section 43 40 02? Please note, RL Industries confirmed they do not bid water/wastewater industry projects.**

Answer #8: Substitutions may be submitted and will be considered according to Section III Arlington County Construction General Conditions B.12. Standards and Substitutions. Refer to Addendum 1, SECTION 2.07 MANUFACTURERS.

- **Question #9: What is the weight of the existing FRP tanks to be demolished at the South Hypochlorite Facility?**

Answer #9: The empty weight of each existing SHF FRP Tank is approximately 3500 lbs.

Question #10: Note 8 on sheet 16 says to reuse the electrical conduit but Note 1 on sheet 18 says to install new conduit for the sump pump. Please clarify which conduit is to be reused, which conduit is to be demolished, and which is to be installed as new.

Answer #10: The two sheets refer to different control panels. The control panel on Sheet 16 is not for the sump pump.

- **Question #11: Will any chemical left in the tanks be handled by the owner or is it the contractor's responsibility to remove and dispose of anything in the tank?**

Answer #11: Prior to turning tanks over to the Contractor, the WPCB staff will empty, flush with non-potable water, drain, and open the bottom manway to dry them out. There will likely be some residual moisture and chemical in the tanks, but the amount will be minimized. Any material remaining in the tank once it is turned over to the Contractor will be the Contractor's responsibility to remove.

- **Question #12: How much chemical is anticipated to be left in the tanks when they are demolished?**

Answer #12: Prior to turning tanks over to the Contractor, the WPCB staff will empty, flush with non-potable water, drain, and open the bottom manway to dry them out. There will likely be some residual moisture and chemical in the tanks, but the amount will be minimized. Any material remaining in the tank once it is turned over to the Contractor will be the Contractor's responsibility to remove.

- **Question #13: If it is the contractor's responsibility to remove and dispose of it, must it be disposed offsite?**

Answer #13: If the Contractor wishes to clean the tanks more thoroughly, the remaining chemical and any water used can be discharged to the floor drains/sump. Any separate chemicals the Contractor uses for cleaning need to be submitted and approved in advance, including the method of disposal of the waste cleaning solution.

- **Question #14: Note 1 on Drawing 13 discusses the concrete repair but no details are given on quantity. Is there a certain amount that is to be assumed or will this be included as an allowance item somehow? There is not a way to know the scope for this work until the tank is removed.**

Answer #14: The County has included an allowance of \$30,000 for surface preparation prior to coating in NFF and SHF and for any concrete pad repairs at SHF. This allowance is included in the revised Attachment A: Pricing Sheet.

- **Question #15: No flexible connections are shown for the tank piping, are any required?**

Answer #15: No, flexible connections are not required. The Contractor should base their bid on what is shown in the Contract Documents.

- **Question #16: Has the skylight at the SHF ever been removed?**

Answer #16: The skylight was installed in approximately 2008. It has not been removed to the WPCB's knowledge.

- **Question #17: Are there any loading restrictions in any of the roadways?**

Answer #17: Existing roadways and parking areas may be used to locate a crane for removing existing tanks or installing new tanks. The Engineer will review the Contractor's proposed crane location for loading confirmation.

- **Question #18: Are we allowed to attach to the double-T ceiling in the North Ferric Chloride facility to do any lifting?**

Answer #18: Existing roof beams can be used to hoist tanks within the buildings. Location of hoist should be submitted to the Engineer so the Engineer can review weights to hoist and location of hoist.

The balance of the solicitation remains unchanged.

Arlington County, Virginia
Briana Henley
Procurement Officer
Bhenley@arlingtonva.us

RETURN THIS PAGE, FULLY COMPLETED AND SIGNED, WITH YOUR BID:

BIDDER ACKNOWLEDGES RECEIPT OF ADDENDUM NUMBER 1.

FIRM NAME: _____

AUTHORIZED SIGNATURE: _____ **DATE:** _____

24-DES-ITBPW-330: FIBERGLASS REINFORCED PLASTIC CHEMICAL STORAGE TANK REPLACEMENT- Preproposal Conference

Water Pollution Control Bureau

December 12, 2023



Agenda

- Overview of the solicitation
- Solicitation process
- Solicitation documents
- Timeline
- Water Pollution Control Plant – background information
- Overview of the scope of work of the contract
- Q&A
- Site Tour

Timeline

- Questions due December 27, 2023
- Mandatory Pre-bid site visits
 - 12/13/2023 at 1:00 PM, or
 - 12/15/2023 at 11:00 AM
- Proposals due **January 12, 2024**

Arlington County's Water Pollution Control Plant

- Liquids Treatment Processes Include:
 - Screening and Grit Removal
 - Primary Clarification and Flow Equalization
 - Biological Nutrient Removal (BNR) via Aeration Basins followed by Secondary Clarification
 - Denitrification Filters
 - Chlorination and Dechlorination
 - Discharge into Four Mile Run - Potomac River - Chesapeake Bay Watershed
- Solids Treatment Processes Include:
 - Thickened using Gravity and Dissolved Air Flotation Thickeners
 - Blended prior to Centrifuge Dewatering
 - Lime is added to create Class B Biosolids for land application



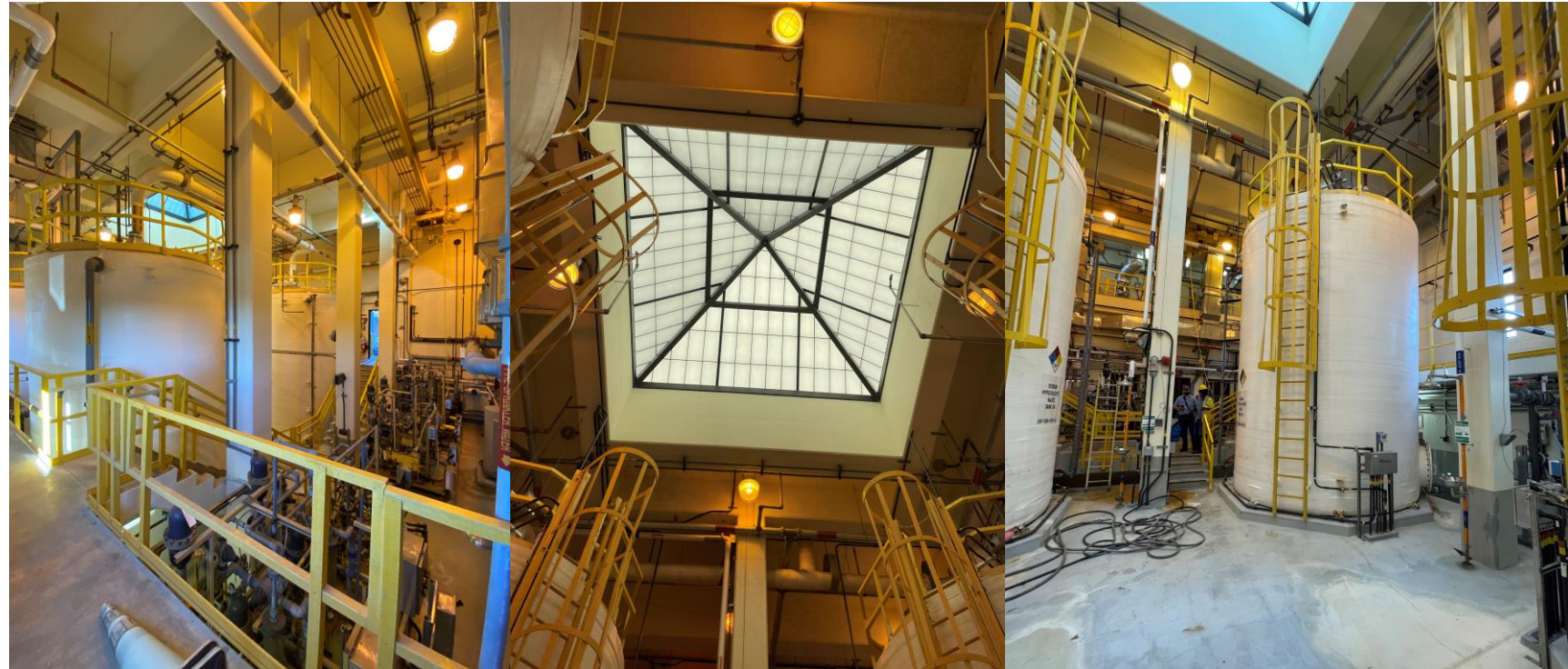
Project Scope

- Replacement of 5 sodium hypochlorite FRP chemical storage tanks.
 - North Ferric Facility (NFF)
 - Sodium Hypochlorite Facility (SHF)

Project Scope

- Sodium Hypochlorite Facility

- Address: 3320 S. Glebe Road
- Built in 2005 to 2010
- Tank Sizes:
 - Diameter = 13 feet, Straight shell height = 18 feet
 - Volume = 17,900 gallon - each
- 4 tanks



Project Scope

- North Ferric Facility
 - Address: 3165 S. Fern Street
 - Built in 2005 to 2010
 - Tank Sizes:
 - Diameter = 11 feet, Straight shell height = 10 feet
 - Volume = 11,000 gallon
 - One tank

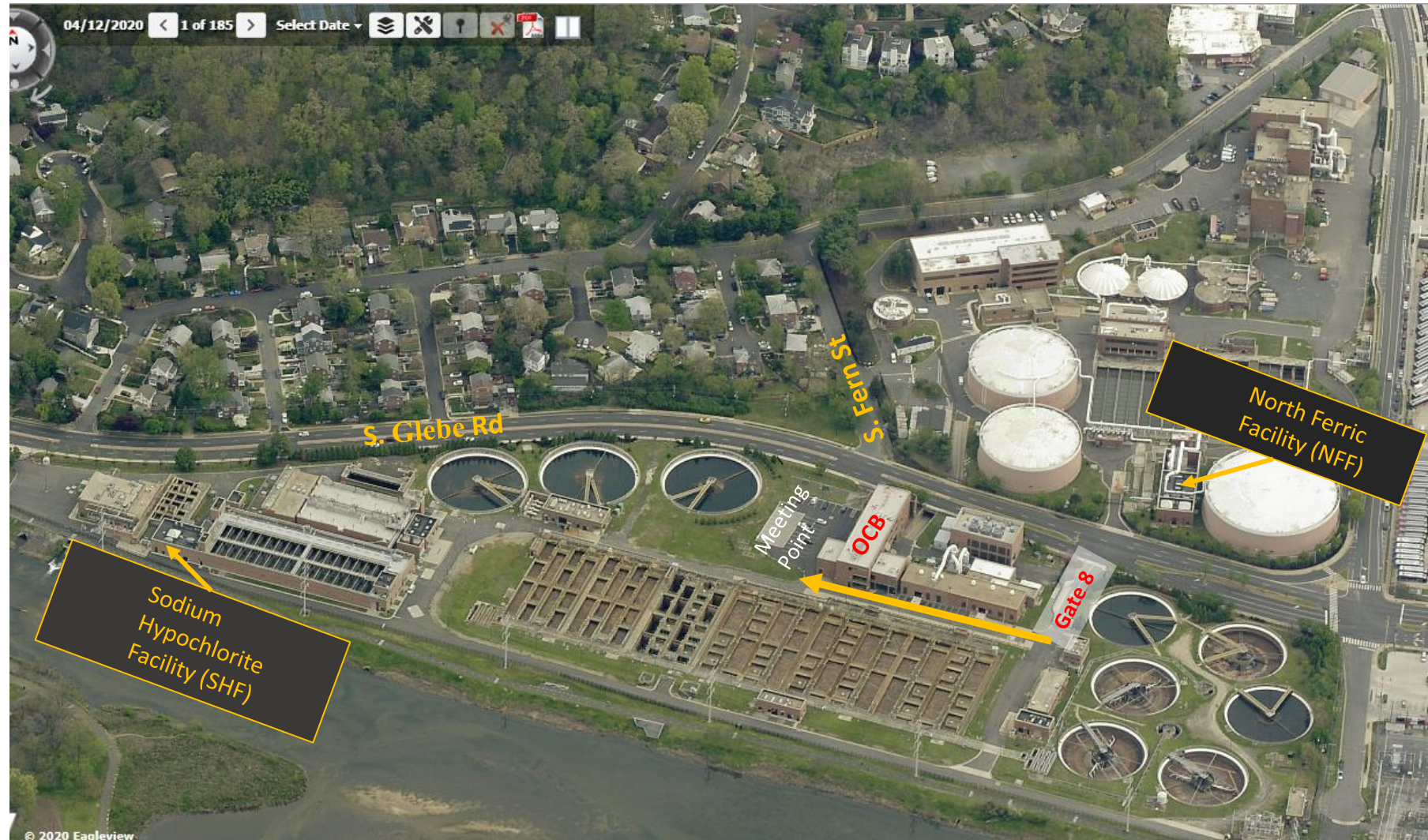


Site Tour

- Site visits on December 13th or 15th are mandatory
- Please register on Vendor Registry
- Bring your own PPE
- Please take pictures
- **No questions will be answered during the site tour.** Any questions must be submitted in writing to the Office of the Purchasing Agent for confirmation via written Addendum.

Site Tour – Access to WPCP

- Gate 8 entrance under construction
- Access to the Plant through **Gate 8**
 - **3402 S. Glebe Rd.**
Arlington, VA
22202
- Meeting Point at OCB Parking Lot



Questions?



