



HOLTZ CONSULTING ENGINEERS, INC

December 20, 2023

Mr. Greg Alfsen, P.E.
Project Manager
Drinking Water State Revolving Fund & Water Supply Restoration Funding
Division of Water Restoration Assistance
Florida Department of Environmental Protection
3900 Commonwealth Blvd MS3505
Tallahassee, FL 32399

RE: SRF Project: DW430450 – City of Stuart Water Treatment Plant Reverse Osmosis Treatment Facility – Water Reclamation Facility Deep Injection Well Modifications

Subject: AIS Availability Waiver Request for 4” and 6” Stainless Steel Gate Valves

Dear Mr. Alfsen:

On behalf of the City of Stuart, we are respectfully requesting a waiver from the American Iron and Steel (AIS) provisions required by the Drinking Water State Revolving Fund loan program for the 4” and 6” stainless steel gate valves specified for the City of Stuart Water Treatment Plant Reverse Osmosis Treatment Facility Project – Water Reclamation Facility Deep Injection Well Modifications. These stainless steel gate valves are not currently produced in the United States that meet the project’s technical specifications. Correspondence from the leading supplier of these items ([REDACTED]) has confirmed that there are no AIS compliant products available (Exhibit A).

This project includes constructing a new reverse osmosis treatment system including modifications to the City’s deep injection well in order to receive concentrate from the reverse osmosis treatment process. The new deep injection wellhead requires one 4-inch and one 6-inch stainless steel gate valve. The Contractor, All Webbs Enterprise’s documentation includes documentation showing the valves would like to be installed in the next six to eight weeks (beginning to middle of February 2024) (Exhibit A).

The items listed in the EPA’s Information Checklist for Waiver Request form are addressed below.

1. General Description:

- a. Class 150 RF OS&Y Stainless Steel Gate Valve. See the specifications (Exhibit B) and the attached Locations of Valves (Exhibit C).



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2. Unit of Measure/Quantity/Pricing:

- a. Incorporated into lump sum unit price for each mechanical system. [REDACTED]

3. Time of Delivery or Availability:

- a. [REDACTED]
- b. Attached Submittals for Equipment (Exhibit D).

4. Location of Construction Project:

- a. The project is located at the City of Stuart Wastewater Treatment Plant, 301 SE Stypmann Blvd., Stuart, Florida 34984

5. Name and Address of Proposed Supplier:

- a. [REDACTED]

6. Supporting documentation, including that the Contractor made a reasonable survey of the market, such as a description of the process for identifying suppliers and a list of contacted suppliers.

- a. See attached Exhibit A.

7. Supplier information or pricing information from the leading domestic supplier indicating availability/delivery date for construction materials:

- a. See attached Exhibit A

8. Contractor and/or supplier to provide a statement confirming the non- availability of the domestic construction material which is sought:

- a. See attached Exhibit A.



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9. Has the State received other waiver requests for the materials described in the request for comparable projects?

- a. Based upon the information published on the EPA website, there are approved waivers for gate valves in New Jersey.

10. Project Schedule:

- a. The Contractor intends to install these valves as soon as they are delivered ([REDACTED]).

11. Engineering Gate Valves

- a. A gate valve is generally used to completely shut off fluid flow or, in the fully open position, provide full flow in a pipeline. Thus it is used either in the fully closed or fully open positions. A gate valve consists of a valve body, seat and disc, a spindle, gland, and a wheel for operating the valve.

Sincerely,

Christine Miranda, PE
Principal Engineer

Cc: Shanin T. Speas-Frost, P.E., MBA
Marc Rogolino, City of Stuart
Rick Herndon, FRWA/FDEP SRF Program
Andrea Carpenter, Kimley-Horn

This waiver request was submitted to the EPA by the state of Florida and applies only to the project in the subject line. All supporting correspondence and/or documentation from contractors, suppliers or manufacturers included as a part of this waiver request was done so by the recipient to provide an appropriate level of detail and context for the submission. There may be documents with project diagrams, schedules, and supplier correspondence in formats that do not meet the Federal accessibility requirements for publication on the Agency's website. Hence, these exhibits have been omitted from this waiver publication. They are available upon request by emailing DWSRFWaiver@epa.gov.

6. US Pipe

2.3 GATE VALVES (SMALLER THAN 3-INCHES)

- A. Construction: Gate valves smaller than 3-inches, for general purpose use, shall be non-rising stem, heavy-duty type for industrial service, with screwed or soldered ends to match the piping. The bodies shall have union bonnets of bronze conforming to ASTM B 62 - Composition Bronze or Ounce Metal Castings. The stems shall be of bronze conforming to ASTM B 62, or ASTM B 371 - Copper-Zinc-Silicon Alloy Rod. The solid wedges shall be of bronze conforming to ASTM B 62. The valves shall have malleable iron hand wheels unless otherwise indicated, and stem seals shall be of Teflon-impregnated or other acceptable non-asbestos packing. Valves shall have a pressure rating of minimum 125 psi steam and 200 psi cold-water, unless otherwise indicated.
- B. Manufacturers, or approved equal

■ [REDACTED]

■ [REDACTED]

■ [REDACTED]

■ [REDACTED]

■ [REDACTED]

■ [REDACTED]

2.4 STAINLESS STEEL GATE VALVE

- A. Flanged (ASME B16.5 flanged) Gate Valve Class 150 (wall thickness meeting API 603 requirements) shall be provided [REDACTED].
- B. Materials are as follows:
- a. Body: CF8M (ASTM A351)
 - b. Bonnet: CF8M (ASTM A351)
 - c. Wedge: CF8M (ASTM A351)
 - d. Stem and Stem Nut: 316 SST
 - e. Disc CF8M; Gland: 316 SST
 - f. Gland Flange: CF8 or CF8M (ASTM A351)
 - g. Gland Flange Packing Material: asbestos-free, PTFE V-ring
 - h. Bonnet Gasket Material: Ceramic filled PTFE
 - i. Yoke sleeve: Ductile NI-resist

- j. Yoke: Ductile Iron
- k. Handwheel: Ductile Iron (to be coated)
- l. Handwheel Nut: 304 or 316 SST
- m. Name Plate: Stainless Steel

PART 3 -- EXECUTION

3.1 GENERAL

- A. Gate valves shall be installed in accordance with the provisions of Section 43 30 00 – Valves, General. Care shall be taken that valves in plastic lines are well supported at each end of the valve.

END OF SECTION