



Date: July 14, 2026

Transmitted via Email

RE: Southeast Water Production Facility PRWC Project – AIS Waiver Request for 300# Stainless Steel Gate Valves

To Whom it May Concern,

The Southeast Water Production Facility is owned by Polk Regional Water Cooperative. This project is funded in part by the FDEP State Revolving Fund, State Application Identifier # [REDACTED] and is required to follow American Iron and Steel requirements. The contractor for this project is Florida Water Partners (FWP), and the engineer is TeamOne Engineers. FWP is requesting an EPA availability waiver from the American Iron and Steel (AIS) requirements for stainless-steel gate valves on the job. The full list of 300# stainless-steel gate valves requesting to be waived from the AIS requirements are listed below.

Stainless Steel Gate Valve	Reason
03" Stainless-Steel Gate Valve 300#	Not produced domestically
04" Stainless-Steel Gate Valve 300#	Not produced domestically
12" Stainless-Steel Gate Valve 300#	Not produced domestically

The information below is provided to meet the requirements for the AIS Waiver request checklist.

Background:

The Polk Regional Water Cooperative (PRWC) project in Lake Wales is a regional alternative water supply initiative designed to provide a long-term, sustainable drinking water source for Polk County and its member utilities. The project centers on construction of the Southeast Water Production Facility, an advanced reverse osmosis (RO) treatment plant that will withdraw brackish water from the Lower Floridan Aquifer, treat it to potable standards, and initially produce approximately 7.5 million gallons per day, with expansion capacity up to about 12.5 MGD. The development also includes a wellfield, raw water transmission mains, approximately 60+ miles of finished water pipelines to distribute water to participating communities, and a deep injection well system for concentrate disposal. Funded through a combination of state appropriations, water management district grants, and federal financing, the project is intended to reduce reliance on the Upper Floridan Aquifer and provide a drought-resilient water supply to support the region's continued growth, with construction underway and full operation anticipated later this decade.

Reason for Waiver Request:

Florida Water Partners was informed by [REDACTED] and [REDACTED] (Valve Vendors) that this size and pressure class of stainless-steel gate valves is not produced domestically, see letter in Attachment A.

Gate valves are required to provide reliable isolation and control of the system; thus, gate valves are a necessary part of the project.

Florida Water Partners has worked with [REDACTED] to do their due diligence in attempting to procure these gate valves within AIS requirements. Due to the above-mentioned lack of production, Florida Water Partners is proposing that the foreign 300# stainless-steel gate valves listed above may be allowed for use on this project.



Foreign and Domestic Construction Materials:

Description of construction materials of pertinent gate valves.

Foreign: (proposed)

Stainless Steel Gate Valve	Estimated Value
03" Stainless-Steel Gate Valve 300#	
04" Stainless-Steel Gate Valve 300#	
12" Stainless-Steel Gate Valve 300#	

Domestic: (to be replaced)

Stainless Steel Gate Valve	Estimated Value
03" Stainless-Steel Gate Valve 300#	N/A
04" Stainless-Steel Gate Valve 300#	N/A
12" Stainless-Steel Gate Valve 300#	N/A

Florida Water Partners and the project team are respectfully requesting to use foreign 300# stainless-steel gate valves at the Polk Regional Water Cooperative. If you have any questions regarding the approval of the waiver or information provided within, please do not hesitate to reach out.

Sincerely,

Ted Dundas
Project Manager
Florida Water Partners

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

SECTION 40_05_65.01
GATE, GLOBE, MUD, AND ANGLE VALVES

PART 1 GENERAL

1.01 SUMMARY

- A. Section includes: Gate, globe (non-pilot controlled), and needle valves.
- B. As specified in Section 40_05_51.01 - Common Work Results for Valves.

1.02 REFERENCES

- A. American Society of Mechanical Engineers (ASME):
 - 1. B16.5 - Pipe Flanges and Flanged Fittings: NPS 1/2 through NPS 24 inch Standard.
 - 2. B16.47 - Large Diameter Steel Flanges: NPS 26 through NPS 60 inch Standard.
- B. American Water Works Association (AWWA):
 - 1. C515 - Standard for Reduced-Wall, Resilient-Seated Gate Valves for Water Supply Services.
 - 2. C 550 - Protective Interior Coatings for Valves and Hydrants.
- C. ASTM International (ASTM):
 - 1. B98 - Standard Specification for Copper-Silicon Alloy Rod, Bar, and Shapes.

1.03 SUBMITTALS

- A. Submit as specified in Section 01_33_00 - Submittal Procedures.
- B. Product data: As specified in Section 40_05_51.01 - Common Work Results for Valves.
- C. Commissioning submittals: For valves larger than 16 inches:
 - 1. Provide Manufacturer's Certificate of Installation and Functionality Compliance as specified in Section 01_75_17 - Commissioning.

PART 2 PRODUCTS

2.01 GATE VALVES

- A. GV100 - Gate valves aboveground:
1. Valves less than 3 inches in size for clean water and air service:
 - a. Manufacturers: One of the following or equal:

 - b. Design:
 - 1) Size and configuration: Indicated on the Drawings.
 - 2) Manufacturer's standard bronze, solid wedge disc, rising stem, screwed end, Class 150 pounds.
 2. Valves 3 inches in size and larger, single disk.
 - a. Manufacturers: One of the following or equal:

 - b. Design:
 - 1) Size, material, configuration: Indicated on the Drawings.
 - 2) Resilient wedge type in accordance with AWWA C515.
 - 3) Flange, iron body, and bonnet rated for 200 pound working pressure.
 - a) Provide o-ring seal between valve body and bonnet.
 - 4) Ductile or cast iron wedge encapsulated in nitrile rubber and capable of sealing in either flow direction.
 - 5) Bronze stem with double or triple o-ring or braided packing stem seals.
 - 6) Rising stem configuration with handwheel diameter sized to allow opening of valve with no more than a 40-pound pull.
 - 7) Coat interior and exterior surfaces of valve body and bonnet with fusion-bonded epoxy in accordance with AWWA C550.
 3. Valves 3 inches in size and larger, double disc:
 - a. Flanged.
 - b. Materials:
 - 1) 200 pound iron body.
 - 2) Bronze mounted.
 - c. Configuration:
 - 1) Outside screw and yoke (OS&Y).
 - 2) with stems of silicon bronze in accordance with ASTM B98, Alloy No. C66100.
 - d. Inside configuration:
 - 1) Double disc; parallel seat.
 - 2) ; and handwheel.
 - e. Manufacturers: One of the following or equal:

 - f. Design:
 - 1) Size, material, configuration: Indicated on the Drawings.

B. GV200 - Gate valves underground:

1. Manufacturers: One of the following or equal:



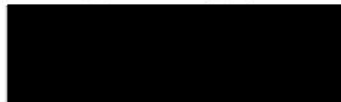
2. Design:

- a. Size, material, configuration: Indicated on the Drawings.
- b. Resilient wedge type in accordance with AWWA C515.
- c. Stem:
 - 1) Iron body, resilient seat, non-rising stem, double o-ring stem seal.
 - 2) Rising stem configuration with handwheel diameter sized to allow opening of valve with no more than a 40-pound pull.
- d. Ductile or cast iron wedge encapsulated in nitrile rubber and capable of sealing in either flow direction.
- e. Bronze stem with double or triple o-ring or braided packing stem seals.
- f. Coat interior and exterior surfaces of valve body and bonnet with fusion-bonded epoxy in accordance with AWWA C550.
- g. Valve operator: Provide standard AWWA 2-inch operating nut, matching valve key, and valve box for operating stem.



C. GV250 - Gate valves underground (Stainless Steel):

1. Manufacturers: One of the following or equal:



2. Design:

- a. Size, material, configuration: Indicated on the Drawings.
- b. Wedge type in accordance with ASTM A351.
- c. Stem:
 - 1) 316SS, resilient seat, non-rising stem, double o-ring stem seal.
 - 2) Rising stem configuration with handwheel diameter sized to allow opening of valve with no more than a 40-pound pull.
- d. 316SS wedge encapsulated in nitrile rubber and capable of sealing in either flow direction.
- e. Valve operator: Provide standard AWWA 2-inch operating nut, matching valve key, and valve box for operating stem.