



September 17, 2026

To: United States Environmental Protection Agency
WIFIA Director WJC-W 6201A
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NOTE:

This waiver submission may include references to proprietary items and brand name products. These references have been retained to provide context for the waiver submission. EPA does not evaluate a waiver based on a proprietary item but reviews the performance-based specifications for the project/products. As such, any references to brand or proprietary items are reviewed on an "or equal" basis by EPA.

Items and pages may have been intentionally redacted or excluded by the EPA. Contact WIFIAWaiver@epa.gov for more information if necessary.

Subject: Wastewater Treatment Plant Reliability Upgrades PROJECT (WIFIA – 20158CA)
Butterfly Valve, High-Performance Soft-Seated AIS Availability Waiver Request
Digester #3 Rehabilitation & Digester Gas Piping Replacement Project

Silicon Valley Clean Water respectfully requests a waiver from the American Iron and Steel (AIS) provisions required by the Water Infrastructure Finance and Innovation Act (WIFIA) for the Butterfly Valve, High-Performance Soft-Seated specified on the Digester #3 Rehabilitation & Digester Gas Piping Replacement Project. Due to the availability of domestic valves, a waiver is requested in order to avoid schedule impacts. Please see the below AIS Waiver Request and associated documentation for your consideration.

- **Description:** Butterfly Valve, High Performance
- **Unit of Measure/Quantity/Price:**

Size	
8"	
10"	
12"	
w/Chainwheel	
12"	
w/Handwheel	

[Redacted content]

A JOINT POWERS AUTHORITY

REDWOOD CITY | SAN CARLOS | BELMONT | WEST BAY SANITARY DISTRICT
1400 Radio Road Redwood City, California 94065 (650) 591-7121 www.svcw.org

SECTION 40 05 64**BUTTERFLY VALVES****PART 1 - GENERAL****1.01 SUMMARY**

- A. Section includes:
 - 1. AWWA C 504 butterfly valves, 150 psi.
 - 2. AWWA C 504 Class 250B butterfly valves, 250 psi.

1.02 REFERENCES

- A. AWWA C 504 - Standard for Rubber-Seated Butterfly Valves.
- B. AWWA C 550 - Standard for Protective Interior Coatings for Valves and Hydrants.
- C. NSF 61 - Drinking Water System Components - Health Effects.

1.03 SUBMITTALS

- A. Submit manufacturer's product data for valves, actuators, and accessories. Indicate maximum torque required to open valve, torque output of actuator, and number of turns to open valve.
- B. Submit samples of gaskets and other materials where required by the detailed specifications.
- C. Submit certified test reports as required herein and by the referenced standard specifications.
- D. Manuals: Furnish manufacturer's installation and operation manuals, bulletins, and spare parts lists for valves 4 inches and larger and all actuated valves.
- E. Affidavits: Furnish affidavits from the manufacturers for the following:
 - 1. Submit manufacturer's affidavit for proposed valves and actuators certifying compliance with specifications.
 - 2. Submit manufacturer's affidavit that butterfly valves conform to applicable requirements of AWWA C504 and that they have been satisfactorily tested in the United States in accordance with AWWA C 504 using test pressure of 150 psi in both directions. Submit Proof-of-Design and hydrostatic testing procedure in accordance with AWWA C504.

1.04 QUALITY ASSURANCE

- A. Materials and equipment furnished under this Section shall be of manufacturers who have been regularly engaged in the design and manufacture of the materials and equipment for a period of at least 5 years. Demonstrate to the satisfaction of the Design Engineer the quality is equal to the materials and equipment made by the manufacturers specifically named herein, if an alternate manufacturer is proposed.
- B. Factory Quality Control: The Contractor shall test all products as noted herein and by the reference specifications.

1.05 APPURTENANCES

- A. Furnish and install all necessary guides, inserts, anchors and assembly bolts, washers and nuts, hangers, supports, gaskets, couplings and flanges; all other appurtenant items shown on the Drawings, specified or required for the proper installation and operation of the valve.

PART 2 - PRODUCTS

2.01 ACTUATORS

- A. Manual Actuators:
 - 1. Type: Manual, except where specified otherwise, or shown otherwise on the Drawings. Provide valve position indicators on all actuators.
 - 2. Manual Actuators: Traveling nut, self-locking, or worm gear above 48 inches.
 - a. Above-ground:
 - 1) Handwheel with force required for valve operation not exceeding 40 pounds under any operating condition, including initial breakaway. Provide reduction operator when required force exceeds 40 pounds.
 - 2) Provide chainwheel for installations over 6.5 feet above finished/operating floor with chains dropping to within 48 inches of the floor.
 - b. Buried: Designed for buried service, watertight up to 10 psi. Provide 2-inch-square standard AWWA operating nut, with extension stem to reach the ground surface as shown on the Drawings, and with a ground level position indicator.

2.02 BUTTERFLY VALVES FOR ANEROBIC DIGESTER GAS

- A. General: Butterfly valves for anaerobic digester gas service shall conform to the following requirements.
- B. Type:
 - 1. 3-inch through 12-inch: Lug style body.
 - 2. Double offset disc design.
 - 3. Bubble-tight at rated pressure in either direction.
 - 4. Modulating or cyclic duty.
- C. Pressure Rating: ANSI/ASME B16.5 Class 125/150, unless shown otherwise on the Drawings.
- D. Materials:
 - 1. Body: Type 316 stainless steel.
 - 2. Disk: Type 316 stainless steel.
 - 3. Valve Shaft: ASTM A276 Type 316 stainless steel.
 - 4. Seats:
 - a. Mating surface: ASTM A276 Type 316 stainless steel.
 - b. Seat sealing surface: NBR or reinforced PTFE suitable for temperatures up to 350°F.
- E. Construction:
 - 1. Seats: Reinforced resilient type and field replaceable.
 - 2. Disk to Shaft Connection: Type 316 stainless steel pins or torque plug.

3. Corrosion resistant material with gas-tight and non-sparking features in conformance with requirements of Underwriters' Laboratories, Inc.
- F. Manufacturers: Dezurik BHP; Tyco Keystone K-Lok; equal.

PART 3 - EXECUTION

3.01 INSTALLATION

- A. Install butterfly valves in accordance with manufacturer's recommendations.
- B. Install butterfly valves in accordance with AWWA C504, Appendix A, Sections A.2 through A.5, inclusive.
- C. Install valves with stems upright or horizontal, not inverted.
- D. Protect all bolts with corrosion resistant paint for aboveground applications.
- E. Test that valves open and close smoothly with operating pressure on one side and atmosphere pressure on the other, in both directions for two-way valve applications.

3.02 PROTECTIVE COATINGS

- A. Provide coating for all valves in accordance with Section 09 96 00 .

3.03 TESTING

- A. Operationally test all valves to demonstrate operation without binding. Cycle valve three times minimum.
- B. Perform a leakage test for each valve. Test may occur in conjunction with pipeline test. Test in accordance with Section 40 27 00 .

END OF SECTION

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