

August 18, 2020

Gregory C. Alfsen, P.E.
Project Manager - State Revolving Fund Program
FDEP – Division of Water Restoration Assistance
3900 Commonwealth Blvd. MS 3505
Tallahassee, FL 32399

NOTE: Pages have been redacted or intentionally excluded by the EPA. Contact SRF_AIS@epa.gov to request more detailed information if needed.

RE: City of Zephyrhills
Wastewater Treatment Facility (WWTF) Advanced Water Treatment (AWT)
Upgrade
SRF Loan No.: WW51053
Zephyrhills Project No.: 11-19-09
Jones Edmunds Project No.: 26110-025-01

Dear Mr. Alfsen:

The purpose of this correspondence is to provide a formal request for an Exemption waiver from the American Iron and Steel requirement for the Knife Gate Valve. Here is the following background information:

Background:

The Technical specification requires a Cast Stainless Steel Knife Gate Valve, - it is the most durable and reliable for the application at the New Filter. DeZurik and other US Mfg.' can provide a fabricated valve made of Plate Steel and Aluminum Bronze.

Clarification: The Mfg. has made the statement that the Aluminum Bronze valve can achieve AIS compliance because the finished cost of the Stainless-Steel materials would fall below 50% of the required threshold. Jones Edmunds requests the technical specification be followed in lieu of AIS requisites in this instance, and the Contractor has agreed to this matter (see attached submittal 37A).

On July 20, 2020, Jones Edmunds on behalf of the City of Zephyrhills made a formal request for assistance from DEP/SRF/EPA for market research to locate domestic manufacturers that comply with AIS requirement and the Technical Specifications for this project. On July 29, 2020, we received a response providing (2) manufacturers that might comply, Meyer and Everest.

Jones Edmunds contacted the (2) two manufacturers to confirm specification details and the following was determined:

- o Meyer Valves indicated they cannot provide a valve that meets the Technical Specifications and is also AIS compliant.
- o Everest Valves was non-responsive to Jones Edmunds inquiries.

Therefore, we are requesting an exemption for the Knife Gate Valve AIS requirement. Jones Edmunds has attached the following supporting documentations: (1) Stainless-Steel Gate Valve Specifications, (2) Sub 37A (15110-006) Knife Gate Valve, (3) Email Response from WMW Meyer Valves dated 08/4/2020, (4) Email dated 08/05/2020 noting No response from Everest Valve, and (5) Jones Edmunds email dated 08/07/2020 requesting for exemption waiver.

If you have any questions/concerns, please do not hesitate to contact me at (863) 505-4676 or, Gregg S. Fruecht (Construction Administrator) at (727) 432-1326.

Sincerely,



Anthony Holmes, P.E
Project Engineer
Florida P.E. No.: 70809
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Winter haven, Florida 33881
Aholmes@jonesedmunds.com

ATTACHMENTS:

- Attachment 1 – Stainless-Steel Gate Valve Specifications
- Attachment 2 – Sub 37A (15110-006) Knife Gate Valve
- Attachment 3 – Email Response from WMW Meyer Valves dated 8/4/2020
- Attachment 4 – Email dated 08/05/2020 noting No response from Everest Valves
- Attachment 5 – Jones Edmunds email dated 08/07/2020 requesting for exemption waiver.

XC: John Bostic – City of Zephyrhills
Michael C. Clark, PE – Jones Edmunds
Douglas R. Young, PE, CDT – Jones Edmunds
Gregg Fruecht – Jones Edmunds

ATTACHMENT 1

exposed valves shall be flanged. End connections for buried valves shall be mechanical joint type. Provide reduction-thrust bearings above the stem collar. Stuffing boxes shall be O-ring seal type with two rings located in the stem above the thrust collar. Each valve shall have a smooth unobstructed waterway free from any sediment pockets. Valves shall be lined and coated at the place of manufacture with either fusion-bonded epoxy or heat-cured liquid epoxy. Minimum epoxy thickness shall be 8 mils.

2. Manufacturers: Clow, American Flow Control, Kennedy, or Engineer-approved equal.

D. Type 695—Stainless-Steel Knife Gate Valves, 2 Inches through 24 Inches:

1. Knife gate valves shall in accordance with AWWA C520-10 and be of the solid one-piece cast body design. Minimum working pressure shall be 150 psi. Provide bevel gear actuators for valves 14 inches and larger. Materials of construction shall be as follows:

Component	Material	Specification
Body	Stainless-steel	ASTM A743/A743M, Grade CF8M
Yoke, superstructure, fasteners, and packing gland	Stainless-steel	AISI Type 304 or 316 stainless-steel
Gate	Stainless-steel	ASTM A240/A240M, Type 316
Stem	Stainless-steel	ASTM A582/A582M, Grade S20300
Handwheel	Cast-iron	ASTM A126, Class B
Packing	Flax or acrylic PTFE	--

2. Flange holes in the body shall be Class 125, ASME B16.1. Valve leakage shall be in accordance with MSS SP-81. Valves shall have a resilient seat (neoprene or nitrile) for drip-tight shutoff. Valves shall be manufactured by DeZurik KGN-RSB, Pratt® (Mueller Water Products, Inc.), Figure 77, or ITT Fabri-Valve C67S.

Subject: Zephyrhills Florida - WWTF AWT Clean Water Project - WW51053

Greetings Leslie,

FDEP/ SRF provided me your contact email so that we can discuss an item that does not meet AIS compliance. It our understanding that this item is not eligible for De Minimis status and that the Department can assist in this matter.

We have processed over 70 submittals so far and confirmed AIS compliance for each. However, there is 1 component that is under review that cannot achieve AIS compliance and meet the attached Technical specification. It is submittal 37A for (5) Knife Gate Valves. The cost estimate per valve is [REDACTED] each and has an approximate 20 week lead time to fabricate and deliver.

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We thank you for assistance with this matter. Please contact me with any questions.

Thanks.

Gregg S. Fruecht

Construction Administrator

p. 813.258.0703 x. 1765 | c. 727.432.1326

JONESEDMUNDS.COM

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