Youngquist Brothers, Inc.
15465 Pine Ridge Road
Fort Myers, Florida 33908
Tel.: 239-489-4444 / Fax: 239-489-4545

Date: April 12, 2015

Mr. Luis Rojas
Construction Project Supervisor
Miami-Dade Water & Sewer Department
Miami, Florida

RE: AMERICAN IRON & STEEL WAIVER REQUEST

Dear Mr. Rojas;

Pursuant to the Departments request, Youngquist Brothers Inc. (YBI) is submitting this request for waiver for our Contract S-869.

YBI requests a specific exemption from the AIS requirements for the 24" stainless steel ball valves. We, and our suppliers have been unable to locate a source of domestically produced AWWA C507 or API 6D / API 607 stainless steel ball valves.

Indeed, we have been unable to locate a domestic manufacturer of any 24" stainless steel ball valves. Therefore, we request a waiver for the domestic produced requirement for this specific product. Lead-time on this product can range from 4 to 6 months or more therefore prompt approval of this specific waiver will allow for selection of an import product to be submitted to Miami-Dade for technical approval.

The balance of the ball valves, 1" and 2" as shown on the attached drawing, will be sourced domestically. Details on sourcing will be provided at a later date as they are not required for some months and lead times are not problematic.

We appreciate you consideration and hope to hear from you soon as to the approval of the requested waivers. Please contact me should you have any questions regarding our request.

Sincerely,

YOUNGQUIST BROTHERS, INC.
C.W. (Bill) Musselwhite
Vice President

NOTE: Some of the referenced attachments with project diagrams, schedules, and supplier correspondence are 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 SRF_AIS@epa.gov

SECTION 433018

BALL VALVES

PART 1 GENERAL

1.01 THE REQUIREMENT

A. The CONTRACTOR shall provide ball valves and appurtenances, complete and operable, in accordance with the Contract Documents.

1.02 CONTRACTOR SUBMITTALS

A. Furnish submittals in accordance with Section 013300 - Contractor Submittals.

PART 2 PRODUCTS

2.01 BALL VALVES (6-INCHES AND LARGER)

A. **Construction:** Unless otherwise indicated, ball valves shall be in accordance with AWWA C507 - Standard for Ball Valves 6-inches through 48-inches (resilient seated), API 6D - Specification for Pipeline Valves (resilient seated), or API 607 - Fire Test for Soft-Seated Valves (resilient seated), with cast iron, ductile iron, or cast steel bodies, flanged ends, suitable for velocities up to 35 fps, temperatures up to 125 degrees F, and design pressures 250 psi. The balls shall be of cast iron, ductile iron, or cast steel, shaft- or trunnion-mounted, with tight shut-off, single or double seat, and full bore. The valves shall be rubber-, soft- (nylon, teflon, polymer, or similar), or metal-seated, with stainless steel, forged steel, or monel shafts or trunnions, and not less than one thrust bearing.

B. **Actuators:** Unless otherwise indicated, ball valves shall have manual actuators with handwheel, position indicator, and 2-inch square operating nut.

C. Manufacturers, or Equal

1. Apco/Willamette
2. GA Industries, Inc.
3. Grove Valve and Regulator Company
4. Neles-Jamesbury, Inc.
5. NIBCO, Inc.
6. Henry Pratt Company

2.02 METAL BALL VALVES (4-INCHES AND SMALLER)

A. General: Unless otherwise indicated, general purpose metal ball valves in sizes up to 4-inches shall have actuators.

B. Body: Ball valves up to and including 1-1/2 inches in size shall have bronze or carbon steel 2 or 3 piece bodies with screwed ends for a pressure rating of not less than 600 psi WOG. Valves 2-inches to 4-inches in size shall have bronze or carbon steel 2 or 3 piece bodies with flanged ends for a pressure rating of ANSI 125 psi or 150 psi unless otherwise indicated.

C. Balls: The balls shall be solid chrome-plated brass or bronze, or stainless steel, with standard port (single reduction) or full port openings.

D. Stems: The valve stems shall be of the blow-out proof design, of bronze, stainless steel, or other acceptable construction, with reinforced teflon seal.

E. Seats: The valve seats shall be of teflon or Buna-N, for bi-directional service and easy replacement.

F. Manufacturers, or Equal

1. Conbraco Industries, Inc. (Apollo)
2. ITT Engineered Valves
3. Neles-Jamesbury, Inc.
4. Watts Regulator
5. Worcester Controls

2.03 PLASTIC BALL VALVES

A. General: Plastic ball valves for corrosive fluids shall be made of polyvinyl chloride (PVC), chlorinated polyvinyl chloride (CPVC), polypropylene (PP), or polyvinylidene fluoride (PVDF), as recommended by the manufacturer for the specific application. Valves shall have manual actuators unless otherwise indicated.

B. Construction: Plastic ball valves shall have union ends or flanged ends to mate with ANSI B 16.5, class 150 flanges for easy removal. The balls shall have full size ports and teflon seats. External (without entering into the wetted area) seat packing adjustment is preferred. Metal reinforced stems to prevent accidental breakage are preferred. Ball valves for sodium hypochlorite solution service shall be drilled through the ball or body per valve manufacturer recommendation to relieve offgas and equalize pressure across the valve. The valves shall be suitable for a maximum working non-shock pressure of 150 psi at 73 degrees F for PVC and CPVC, with decreasing ratings for higher temperatures and other plastics.

C. Manufacturers, or Equal

1. ASAHI-America

2. George Fischer, Inc.

3. NIBCO Inc., (Chemtrol)

4. Plast-O-Matic Valves, Inc.

5. Spears Mfg. Co.

6. Watts Regulator

PART 3 EXECUTION

3.01 GENERAL

A. Valves shall be installed in accordance with the manufactures recommendations. Care shall be taken that valves in plastic lines are well supported at each end of the valve.

END OF SECTION