



Mr. Vincent Tomaino  
DWSRF Branch Head  
North Carolina Department of Environmental Quality  
Division of Water Infrastructure  
1601 Mail Service Center  
Raleigh, NC 27699

June 18, 2019

Reference: Shelby Water Treatment Plant Upgrades  
City of Shelby, North Carolina

Subject: Availability Waiver request from American Iron and Steel (AIS) Provisions  
DWSRF Project No WIF-1925

Dear Mr. Tomaino,

This letter serves as a request on behalf of the City of Shelby for an Availability Waiver from the American Iron and Steel requirements for the following components within the Shelby Water Treatment Plant Upgrades Project, Shelby, NC. This request is made on the basis that these products are not produced in sufficient available quantities in the United States. In general, within the design of this project, Grooved-End AWWA C504 Butterfly Valves are to be utilized as specified in the contract documents (Attachment C), and these products are not produced domestically in compliance with AIS provisions.

- **Description of foreign and domestic construction materials**

This request applies to 30" Grooved-End AWWA C504 Butterfly Valves, to be used with direct-grooved ductile iron pipe, mechanical grooved couplings, and grooved fittings. Per project specification (Attachment C), valve bodies are to be of ductile iron, valve shafts are to be of stainless steel, and valve disks are to be of cast iron. Please refer to Table 1 for a detailed product description.

- **Unit of measure**

Unit of measure is "each". Reference Table 1

- **Quantity**

Within the material list. Reference Table 1

Table 1: Grooved-End AWWA C504 Butterfly Valves					
Description		QTY	Unit Price	Total	Available
30" Series 719 AWWA Butterfly Valve, Grooved-End for direct grooved ductile iron pipe, Ductile Iron Body and Disc, Fusion Bonded Epoxy Coated, EPDM Seat and Seals, Stainless Steel Shaft and Hardware, Gear Operator with Handwheel, C504 Compliant		4	\$ [REDACTED]	\$ [REDACTED]	8/15/2019
30" Series 719 AWWA Butterfly Valve, Grooved-End for direct grooved ductile iron pipe, Ductile Iron Body and Disc, Fusion Bonded Epoxy Coated, EPDM Seat and Seals, Stainless Steel Shaft and Hardware, Gear Operator with Chainwheel, C504 Compliant		4	\$ [REDACTED]	\$ [REDACTED]	8/15/2019



- **Price**

The total price of the material is [REDACTED]

- **Time of delivery or availability**

Pending the waiver approval, material will be available by 8/15/19

- **Location of the construction project**

City of Shelby WTP  
801 West Grover Street  
Shelby, NC 28150

- **Name and address of the proposed supplier**

Ferguson Waterworks  
5001 Sunset Road  
Charlotte, NC 28269  
Wes Cain  
704-509-5901

- **A detailed justification for the use of foreign construction materials.**

The use of grooved-end butterfly valves in the Clearwell Valve Vault is required due to dimensional constraints and to maintain accessibility of the valves for maintenance purposes. If the valves would need to be removed for inspection in the future, the direct grooved coupling connection would allow for easy disassembly and replacement. The footprint of the valve vault does not allow for the use of flanged-end or shouldered-end valves with additional dismantling joints and fittings.

- **Statement from prime contractor and/or supplier confirming the non-availability of the domestic construction materials for which the waiver is sought**

Included is a Statement of Non-Availability from a national piping material supplier, Ferguson Waterworks, validating that this material is not available domestically (Attachment A). As documented, Ferguson reached out to representatives for five valve manufacturers. None of these manufacturers can supply domestically produced valves per the specification.

- **Project Schedule**

Project schedule is included with the waiver request (Attachment B, Page 5). This material is located in the Clearwell Valve Vault piping system. Construction of this section is scheduled to begin in May, 2019.

- **Relevant project plans, specifications, and permits indicating the required quantity and quality of construction materials.**

Project plans and specifications are included with this waiver request (Attachment C).

On behalf of the City of Shelby, North Carolina, we request an Availability Waiver to purchase this material for the project. Please contact me if you have any questions or need further clarification to move on this request for the waiver.

Respectfully submitted,

**Christopher B.  
Heyward**

Digitally signed by Christopher  
B. Heyward  
Date: 2019.06.18 08:50:58  
-04'00'

Christopher B. Heyward  
Vice President, Senior Project Manager- Plant Division



DM

Enclosures: Attachment A – Vendor Statement of Non-Availability  
Attachment B – Project Schedule  
Attachment C – Contract Documents

CC:

1—Wes Cain, Ferguson  
1—Zach Wooten, Project Manager, State Utility Contractors, Inc.  
1—Lisa Williamson, Contract Administrator, State Utility Contractors, Inc.  
1—P0821- Shelby WTP Project- Contract File

This waiver request was submitted to the EPA by the state of North Carolina. 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 [SRF\\_AIS@epa.gov](mailto:SRF_AIS@epa.gov).

# **ATTACHMENT A**



5001 Sunset Road  
Charlotte, NC 28269  
Phone: (704)509-5901  
www.ferguson.com

## State Utility Contractors

### Shelby WTP Upgrades

Shelby, NC

4/19/19

Addendum 1 to contract documents and specifications for spec section 40 05 64 Butterfly Valves has introduced Victaulic Series W719 or approved equal. This application will utilize mechanical grooved end application as noted on drawing 35D-05 and in valve schedule. Victaulic cannot provide this valve to meet American Iron and Steel requirements. We have exhausted routes with the below named Valve Manufacturers to find an equal to this spec that can meet AIS requirements.

#### Requirements per the project spec and approved submittals:

30" Grooved-End AWWA C504 Butterfly Valve for Direct Grooved Ductile Iron Pipe (not Shouldered-End)

- (4) Gear Op with Handwheel, (4) Gear Op with Chainwheel
- Style 31 Coupling Connections (attached grooved specification from AWWA C606)
- Stainless Steel Stem, Iron or Stainless Disk
- 22" End-to-End Dimension (AWWA C504, Table 1, Long Body)

- **DeZurik:** Carotek Rep Agency, 866-916-2051
- **Bray:** AC Controls Rep Agency, 704-545-4500
- **Keystone:** Atlantic Valve and Equipment, 804-347-3131
- **Clow:** Atlantic Valve and Equipment, 804-347-3131

Victaulic is the only manufacturer that we have found the can meet the spec requirement and kindly ask for the approval of an AIS waiver in allowing these valves to be utilized for this project. Victaulic representative contact is listed below for any needed further assistance:

**Victaulic:** Dale Petroski, 404-695-9724