



**Project Waiver of American Iron and Steel
Requirements for**

3" Stainless Steel Globe Valves

Project : Davie County – Water Supply Improvements

Hazen Contract # : 31420-004

SRF Project # : WIF 2018 & SRP-D-0203

EDA Award No. 04-01-07635



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March 20th, 2026
Jeff Menzel
State of North Carolina
Department of Environmental Quality

Project REF: Davie County – Water Supply Improvements

Subject: Project Waiver American Iron and Steel Requirements for 3” Stainless Steel globe valves

To whom it may concern,

To meet the projects technical specifications for 3” stainless steel globe valves, we must submit and obtain a project waiver to the American Iron and Steel Requirement.

The following supporting documentation is included for review and is presented in the order listed below.

General

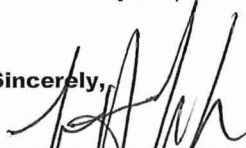
1. Description of the foreign and domestic construction materials
2. Unit of Measure
3. Quantity
4. Price
5. Time of delivery or availability
6. Location of the construction project
7. Name and address of the proposed supplier
8. A detailed justification for the use of foreign construction materials.

Cost Waiver Request – we are not submitting for a waiver based on cost

Availability Waiver Requests

1. Supplier information or pricing from a reasonable number of domestic suppliers indicating availability/delivery date for construction materials.
2. Documentation of the assistance recipient's efforts to find available domestic sources, such as description of the process for identifying suppliers and a list of contacted suppliers.
3. Project plans, specifications, and permits indicating the required quantity and quality of construction materials.
4. Waiver request includes a statement from the prime contractor and/or supplier confirming the nonavailability of domestic construction materials for which the waiver is sought.
5. Has the state received other waiver requests for the materials described in this waiver request, for comparable projects?

Sincerely,



James D. Lynch
President



1. Description of the foreign and domestic construction materials

This is a 3" SS globe valve for flow control of the caustic system. There will be two of these on this project.

2. Unit of Measure / Estimated Cost



3. Quantity

Two (2)

4. Price



Prices shown are for foreign materials that are not available to meet job requirements



5. Time of delivery or availability:

Lead time for foreign material: available now

6. Location of the construction project – Per specifications project is listed as Davie County – Water Supply Improvements

The Work is primarily located in Cooleemee, NC on a site adjacent to the existing Cooleemee WTP site (located at 246 Main Street, Cooleemee, NC 27014)

7. Name and Address of the Proposed Supplier

[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

8. A detailed justification for the use of foreign construction materials.

Detailed reason why

There is no AIS compliant 3" Flanged SST/Carbon Steel Valve Manufacturers.
Every manufacturer is foreign.



AVAILABILITY WAIVER REQUEST

1. Suppliers information / pricing information from a reasonable number of domestic suppliers indicating availability/delivery date for construction materials

See Attached Emails

These suppliers were contacted to establish a reasonable number of domestic suppliers and all stated that 3" stainless steel globe valves are not manufactured domestically.

2. Documentation of the assistance recipient's efforts to find available domestic sources, such as a description of the process for identifying suppliers and a list of contacted suppliers

Persons Name, company, address, number and email

1. [REDACTED]
[REDACTED]
2. [REDACTED]
[REDACTED]
3. [REDACTED]
[REDACTED]
4. [REDACTED]

SECTION 40 05 68.23
MISCELLANEOUS VALVES

PART 1 – GENERAL

1.01 THE REQUIREMENT

- A. Reference Section 40 05 00 – Basic Mechanical Requirements.
- B. Valves intended for chemical service shall be constructed of materials suitable for the intended service.

PART 2 – PRODUCTS

2.01 GLOBE VALVES

- A. Globe valves (service/compressed air) shall be bronze body and bonnet with brass stem and stainless steel regrindable disc plug. Valves shall be [REDACTED] Fig. 546-P, Crane Co., or equal with minimum 300 psi non-shock cold water pressure rating and screwed ends.
- B. Globe valves installed in carbon steel caustic solution piping shall be provided with a carbon steel or stainless steel body and 304 or 316 stainless steel disc/plug and stem. Valves shall have a 150 psi minimum pressure rating and a maximum temperature rating not less than 300°F. All wetted materials shall be suitable for the chemical service. Valves shall be flanged and equipped with unions as necessary to expedite removal and servicing. Unions with brass seats are not allowed.

09-29-2026



2.02 SOLENOID VALVES

- A. Three-way two-position solenoid valves shall be of the two coil type. Both coils shall be normally closed and each shall open independently when energized. The valve shall be of forged brass-body and bonnet with a Buna "N" diaphragm and screwed ends. The solenoid's internal parts shall be of 300 and 400 series stainless steel. The valve shall have a safe body working pressure of 125 psi and shall be as manufactured by [REDACTED], or equal, for 120V, 60 Hz, single phase operation. Solenoid enclosure shall be NEMA 4 watertight.
- B. Two-way solenoid valves shall be normally closed and shall open when the solenoid is energized, unless otherwise noted. The valve shall be of forged brass-body and bonnet with a BUNA "N" diaphragm and screwed ends. The solenoid's internal parts shall be of 300 and 400 series stainless steel. The valve shall have a safe body working pressure of 125 psi, and shall be as manufactured by [REDACTED], or equal, for 120 volt, 60 Hz, single phase operation. Solenoid enclosure shall be NEMA 4 watertight.



3. Relevant excerpts from project plans, specifications and permits indicating the requirements, quality of construction materials

Globe valves installed in carbon steel caustic solution piping shall be provided with a carbon steel or stainless steel body and 304 or 316 stainless steel disc/plug and stem.

Valves shall have a 150 psi minimum pressure rating and a maximum temperature rating not less than 300 degrees F. All wetted materials shall be suitable for the chemical service. Valves shall be flanged and equipped with unions as necessary to expedite removal and servicing. Unions with brass seats are not allowed.

SEE ATTACHED

Spare Parts:

- Spare Parts	One (1) spare electronic device of each type utilized: <ul style="list-style-type: none"> - PLC processors - PLC input & output cards - power supplies - UPS power supplies - fiber optic converters - Ethernet switches - Communication modules 	
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Training:

- Training	<ul style="list-style-type: none"> - 5-day on-site SCADA/PLC training program for up to 10 people at the plant. - Three-day training course on how to use software and how to use it to generate custom reports. - Training for Owner's Personnel to program access control system for access via access devices 	
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Programming:

- Programming	<ul style="list-style-type: none"> - HMI, PLC, and LCD Panels programmed - SCADA Servers and computers programmed - Calibration of field instruments 	
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Instruments:

PANEL DESCRIPTION	EQUIPMENT	NOTES
Magnetic Flow Tube with Remote Transmitter	<p>MAGNETIC FLOW METER</p> <ul style="list-style-type: none"> - 316 stainless steel or carbon steel metering tube and carbon steel flanges with a polyurethane, ceramic, neoprene, hard rubber, or Teflon liner as required - Flow tube with flush mounted electrodes - Grounding rings for both ends of all meters <ul style="list-style-type: none"> • FE/FIT-18410 (12") Influent Flow • FE/FIT-31407 (10") Filter No.1 Effluent Flow • FE/FIT-32407 (10") Filter No.2 Effluent Flow • FE/FIT-33407 (10") Filter No.3 Effluent Flow • FE/FIT-34407 (10") Filter No.4 Effluent Flow • FE/FIT-39410 (16") UV Reaction No.1 Influent Flow • FE/FIT-39420 (16") UV Reaction No.2 Influent Flow • FE/FIT-51481 (2") Caustic Bulk Tank No.1 Flow • FE/FIT-52481 (2") Sodium Hypochlorite Bulk Tank No.1 Flow • FE/FIT-45401 (18") Backwash Supply Flow • FE/FIT-41401 (16") Plant Effluent Flow • FE/FIT-41405 (6") PW/NPW Loop Flow 	Section: 40 71 13 13
Variable Area Flow Meters	<p>ROTAMETER</p> <ul style="list-style-type: none"> - Type 316 stainless steel - Borosilicate glass tube - [REDACTED] Rings - Graduated metal scale plate for flow indication - ANSI 125/150 stainless steel flanges for pipe attachment - Integral needle or globe valve <ul style="list-style-type: none"> • FI-56481 Orthophosphate Carrier Water • FI-56481 Fluoride Carrier Water 	Section: 40 71 43



**4. Waiver Statement from Professional Contractor and or Supplier
confirming non available domestic construction material for which
this waiver is supplied.**

SEE ATTACHED

This waiver request was submitted to the EPA by the state of North Carolina 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.