City of Daytona Beach
UTILITIES DEPARTMENT
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NOTE: Information in this waiver may have been redacted or removed due to issues of proprietary business information or incompatibility with Federal accessibility requirements. To request the information redacted for purposes of accessibility requirements, please email CWSRFWaiver@epa.gov.

February 7, 2024
Mr. Thomas Montgomery
Environmental Administrator – State Revolving Fund
3900 Commonwealth Blvd.
Tallahassee, FL 32399

Re: WW6409A – Westside Regional WRF Influent Pump Station and Headworks Project
Flanged Strainer – AIS Waiver Request

Mr. Montgomery,

The City of Daytona Beach is requesting a product-specific project waiver of American Iron and Steel (AIS) provisions to be issued for a six-inch flanged strainer for the Westside Regional WRF Influent Pump Station and Headworks Project (WW6409A). In accordance with the United States Environmental Protection Agency (USEPA) memorandum, Implementation of American Iron and Steel provisions of P.L. 113-76, Consolidated Appropriations Act, 2014, the information in support of this waiver request is summarized below and provided as attachments.

Project background:

The project is in the construction execution phase of work with procurement of equipment and materials nearing completion. The existing headworks structure on the plant has endured degradation over time. The maintenance costs are increasing, along with the amount of influent flow that the plant receives. This construction project will give the City of Daytona Beach a properly operating headworks structure, which will reduce maintenance and increase the efficiency and the capability of the plant.
The Westside Regional WRF Influent Pump Station and Headworks Project has received SRF funding (WW6409A). This program includes provisions/requirements for compliance with the “American Iron and Steel” act. This provision requires recipients to procure and install iron and steel products produced in the United States.

Equipment/Material Availability

The Project includes the installation of one (1) six-inch flanged strainer, which is subject to AIS provisions. The strainer will be utilized at the influent line to the booster pump station, in order to keep sediment from building up in the pressure reducing valve down stream. During the procurement of these components, the manufacturers and suppliers for the strainers have notified the construction team that they are unable to meet the provisions established by both the project specifications and the requirement to meet AIS certifications. The specified strainer needed to meet the project requirements and protect the process systems is not produced in the United States.

Supporting Documentation

The General Contractor ([redacted] contacted the following manufacturers and suppliers about the availability of the specified six-inch flanged strainer. Correspondence between contractor and suppliers is provided in the attachments.

[redacted]

None of the manufacturers contacted could domestically source the six-inch flanged strainer in accordance with the contract requirements.

To maintain the construction project schedule, delivery of this component is required on or before March 2024.

Location of the construction project:

3651 LPGA BLVD, Daytona beach, FL 32124

Name and address of the proposed supplier:

[redacted]

The Project specifications for this strainer are provided in the attachments. One (1) six-inch strainer for a total cost of $1,487.00 is required. Please note that this

Availability Waiver Request

The City of Daytona Beach and its construction team has made a good faith effort to solicit bids for domestic iron and steel products, as demonstrated by language in requests for proposals, contracts, and communications with prime contractors.

Please note that the EPA has granted a waiver request for similar components, the supporting documentation of which is provided in the attachment.

Please let me know if you have any questions or require additional information.

Sincerely,

Eric A. Smith, P.E.
Deputy Utilities Director
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Cell: 321-698-2440
Email: smitheric@codb.us

Product Specification

a. Main disconnect handle

b. VFD keypad display for manual speed adjustment when in HAND and elapsed time meter reading

c. HAND/OFF/AUTO selector switch for each pump

d. Pump running indicator light

e. Latching alarm indicator for motor high temperature

f. Latching alarm indicator for VFD fault

g. Push to stop, Pull to Enable emergency stop mushroom head pushbutton

h. Power on pilot light

i. Pump suction pressure indicator

j. Pump discharge pressure indicator

2.05 FIELD INSTRUMENTS

A. Suction and discharge pressure transmitters for control of the associated set of duplex pumps (one set of transmitters per control panel) shall be supplied for each pump and meet the requirements of Section 40 73 20 Pressure Transmitters. Range of transmitter shall be suitable for and calibrated to the supply & discharge pressures, mounted in a location that avoids distortion.

2.06 SKID COMPONENTS

A. Skid shall have 6” carbon steel suction header and 4” carbon steel discharge header. Valves, fittings, and other components shall be the size of the header to reduce head loss except for any necessary reducers located immediately adjacent to the pump suction and discharge flanges. Dissimilar metals shall have dielectric isolation wherever connected per the requirements of 40 05 00 Basic Mechanical requirements.

B. Gate valves to be per requirements of 40 05 61 Gate Valves.

C. Check valves shall be cushioned swing check per specification 40 05 65 Check valves.

D. Skid shall include flexible connection on suction side to facilitate maintenance.

E. Skid shall contain a strainer on the suction piping to remove solid particles from reclaimed water source.

1. Strainer shall have a ductile iron body with fusion epoxy coating and 316 stainless steel internals.

2. Strainer shall be 10 mesh (2000 micron) and have a Cv of at least 500.

3. Strainer shall be [redacted] or approved equal.

F. Skid body shall be fabricated from aluminum per 05 1 00 Metal Materials and 05 50 00 Metal Fabrications

G. Coatings shall be per 09 90 00 Painting.

PART 3 – EXECUTION

3.01 MANUFACTURER'S FIELD SERVICES

A. The services of a qualified manufacturer's technical representative shall be provided in accordance with Section 46 00 00 – Equipment General Provisions. For each series of pumps, field services shall include the following site visits:

Service	Number of Trips	Number of Days/Trip
Installation and Testing	2	2
Startup and Training	2	1
Services after Startup	1	1

3.02 SHOP TESTING

A. Shop testing shall be in accordance with Section 46 00 00 – Equipment General Provisions.

B. Complete pumping skid shall be factory tested to simulate field demands of system pressure maintenance. Such testing may be witnessed by the Project Engineer and End User, or their designated representative, at their discretion.

3.03 FIELD TESTING

A. Field testing shall be in accordance with Section 46 00 00 – Equipment General Provisions and Section 43 20 00 – Pumps – General.

END OF SECTION