



December 6, 2019

Ohio Environmental Protection Agency
Attn: Michael Becker
50 West Town Street, Suite 700
Columbus, Ohio 43215

**Subject: Tiffin WPCC LTCP Improvements
American Iron and Steel Waiver Request (Availability Basis)**

Dear Mr. Becker,

This letter is to serve as a request for a waiver of the American Iron and Steel (AIS) requirements for a portion of the valves being supplied for the Tiffin WPCC LTCP Improvements project. As you are aware, bids were received for this project on October 10, 2019 and the City intends to award the project to Peterson Construction Company sometime after the December OWDA Board Meeting and before the end of 2019.

The product we are requesting the waiver for is four (4) diaphragm flow control valves. The valves we are requesting the waiver for will be used to control the flow rate of air to several zones with the WPCC's existing aeration tanks as well as a newly constructed post-aeration tank.

We are making this request on the grounds of an availability basis. We are not aware of any other valve that can meet the project specifications that can comply with the AIS requirements. The diaphragm control that we have specified and are requesting the waiver for have a linear control curve from 0-100% open which will allow for accurate flow control across the entire range of valve position. We have reached out to other manufacturers to see if they could provide an equivalent valve which they could not.

Below is a list of the required information as outlined in the AIS Step-By-Step Waiver Process "Information Checklist for Waiver Request".

General

Description of the foreign and domestic construction materials: Diaphragm Control Valves

Unit of Measure: each

Quantity: four (4)

Price: [REDACTED]

Time of Delivery: Summer 2020

Location of Construction Project: Tiffin, Ohio

Name and Address of the proposed Supplier: [REDACTED]

A detailed justification for the use of foreign construction materials: No domestic manufacturers produce a valve that can meet the project specifications that can comply with the AIS requirements. The diaphragm control that we have specified and are requesting the waiver for have a linear control curve from 0-100% open which will allow for accurate flow control across the entire range of valve position.

Availability Waiver Requests

Supplier information/pricing from a reasonable number of domestic suppliers indicating availability/deliver date for construction materials: N/A, valves not available from domestic suppliers

Documentation of the assistance recipient's effort to find available domestic sources, such as a description of the process for identifying suppliers and a list of contacted suppliers: We have contacted

██████████ who is a supplier of valves for wastewater treatment facilities. They were unable to provide any valve that could meet the project requirements.

Project Schedule: Estimated start date of February 1, 2020 with a substantial completion duration of 20 months (22 months to final completion)

Relevant excerpts from project plans, specifications, and permits indicated the required quantity and quality of construction materials:

- A. Square Diaphragm Control Valve
 - 1. Type:
 - a. Sliding gate control valve with gas-tight shut-off and a square shaped control aperture used for control of air supply.
 - 2. End Connection:
 - a. Lugged (ASME Class 125/150).
 - 3. Housing:
 - a. Steel per ASTM 283C (S235JR equivalent).
 - b. Coated in RAL 5010.
 - 4. Seals:
 - a. PTFE 25C (Teflon/Carbon) and HNBR.
 - 5. Gate Plate, Spindle, and Screws:
 - a. 304 SST
 - 6. Temperature Rating:
 - a. Up to 250 degrees F.
 - 7. Manufacturer:
 - a. Vacomass
 - b. Engineer Approved Equal.

Waiver request includes a statement from the prime contractor and/or supplier confirming the non-availability of domestic construction materials for which the waiver is sought: AECOM has contacted the supplier and confirmed the non-availability of domestic construction materials.

Has the state received other waiver request for the materials described in this waiver requisition, for comparable projects: None that we are aware of.

Thank you for your review of this Waiver Request. Please do not hesitate to contact me at 614-600-5980 or via email at matthew.noelker@aecom.com.

Sincerely,

AECOM Technical Services, Inc.



Matthew Noelker, P.E.
Project Engineer