

AMERICAN IRON & STEEL WAIVER REQUEST REVIEW APPLICATION

New Jersey American Water
(Project Owner)

Sunset Road Water Treatment Plant Expansion Project
(Name of Project)

1345001-016
(NJSRF Clean Water Funded Project Number)

GENERAL

Description of the Construction Material: Combination air and vacuum relief valves for high iron applications

Quantity and Unit of Measure: Two (2)

Price: _____

Time of delivery or availability: December 2017 (2 Week Lead Time Following Approval)

Location of the construction project: Lakewood, NJ

Name and address of proposed supplier and/or Manufacturer:

RF Valves, Vent-O-Mat, Model RBXc (1342 Charwood Road, Hanover, MD USA 21076) supplied by Gary T. Smith & Associates, Inc. (P.O. Box 1745, Laurel Springs, NJ 08021)

A.R.I., Model 025L (Kibbutz Kfar Charuv, 12932 ISRAEL) supplied by Quality Controls Inc. (15 Industrial Park, Suite 1, Waldwick, NJ 07463)

Detailed justification for the use of foreign construction materials: _____

The raw water at the Sunset Road WTP contains high iron. With typical air release valves, the iron causes the stainless steel float to “stick”. The operators ultimately end up removing the air release valves which is not good for the pumps. The project is using domestic air/vacuum relief valves on all locations downstream of the clarification process where the iron levels have been significantly reduced. For the two high iron applications on this project, the design is to use a valve that has a polypropylene float that separates the water contaminated with iron from the operating mechanism. We have not found a valve manufactured domestically that can meet this requirement.

AVAILABILITY WAIVER REQUEST

Domestic Supplier Information: Contacted Vent-O-Mat and ARI

Project Schedule (provide NTP date and completion date along with project schedule)

NTP date – 5/9/17

Substantial Completion – 5/15/18

List Supporting Documentation: Valve specification 15100; shop drawing approval

Efforts to Locate Available Domestic Source: Contacting distributors and requesting an “or equal” from the
design engineer

NJDEP Project Engineer: Robert M. Hopkins, P.E.

NJDEP Section Chief: William P. Machotka, P.E.

This waiver request was submitted to the EPA by the state of New Jersey. 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. Some 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.