

**AMERICAN IRON & STEEL WAIVER REQUEST REVIEW APPLICATION**

Middlesex Water Company  
**(Project Owner)**

Western Transmission Main Project

Contract No. 01-13-308-B

**(Name of Project)**

1225001-025

**(NJSRF Drinking Water Funded Project Number)**

**GENERAL**

**Description of the Construction Material:** Combination air and vacuum relief valves at high points for low profile transmission main

**Quantity and Unit of Measure:** Eight (8)

**Price:** [REDACTED]

**Time of delivery or availability:** July 30, 2018 (2 Week Lead Time Following Approval)

**Location of the construction project:** Edison, NJ

**Name and address of proposed supplier and/or Manufacturer:**

RF Valves Inc., Vent-O-Mat USA, Model RBXc (1342 Charwood Road, Suite A, Hanover, MD USA 21076)  
supplied by Gary T. Smith & Associates, Inc. (P.O. Box 257, Cape May, NJ 08204)

**Detailed justification for the use of foreign construction materials:** There are no air/vacuum relief valves less than 18-inches in height manufactured in the USA. The valves are to be installed at high points on the transmission main where there is typically only 4-feet of cover. Air/vacuum relief valves are designed to allow for movement of air in and out of the pipe during filling and draining of the pipe and vent air which may collect at high points along the transmission main which could restrict flow, cause surge issues, or accelerate corrosion of the pipe. The air/vacuum relief valves are to be installed on top of 30-inch access manholes and require a shut off valve restricting the total height of the valve to 18-inches.

**AVAILABILITY WAIVER REQUEST**

**Domestic Supplier Information:** RF Valves, Inc

**Project Schedule (provide Notice to Proceed (NTP) date and completion date along with project schedule)**

NTP date – March 29, 2018

Substantial Completion – November 19, 2019

**List Supporting Documentation:** Valve specification 02640; shop drawing approval

**Efforts to Locate Available Domestic Source:** The following manufacturers were contact for an “or equal” domestic source: Apco (DeZurik), ARI, Cla-Val, and Valmatic. None of the domestic-made air/vacuum combination valves had a low enough profile to meet the design criteria.

NJDEP Project Engineer: Michael Curley  
NJDEP Section Chief: William 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 [DWSRFwaiver@epa.gov](mailto:DWSRFwaiver@epa.gov).

**AMERICAN IRON & STEEL WAIVER REQUEST REVIEW APPLICATION**

Middlesex Water Company  
**(Project Owner)**

Western Transmission Main Project

Contract No. 01-13-308-C

**(Name of Project)**

1225001-025

**(NJSRF Drinking Water Funded Project Number)**

**GENERAL**

**Description of the Construction Material:** Combination air and vacuum relief valves at high points for low profile transmission main

**Quantity and Unit of Measure:** Three (3)

**Price:** 

**Time of delivery or availability:** July 31, 2018 (2 Week Lead Time Following Approval)

**Location of the construction project:** Edison, NJ

**Name and address of proposed supplier and/or Manufacturer:**

RF Valves Inc., Vent-O-Mat USA, Model RBXc (1342 Charwood Road, Suite A, Hanover, MD USA 21076)  
supplied by Gary T. Smith & Associates, Inc. (P.O. Box 257, Cape May, NJ 08204)

**Detailed justification for the use of foreign construction materials:** There are no air/vacuum relief valves less than 18-inches in height manufactured in the USA. The valves are to be installed at high points on the transmission main where there is typically only 4-feet of cover. Air/vacuum relief valves are designed to allow for movement of air in and out of the pipe during filling and draining of the pipe and vent air which may collect at high points along the transmission main which could restrict flow, cause surge issues, or accelerate corrosion of the pipe. The air/vacuum relief valves are to be installed on top of 30-inch access manholes and require a shut off valve restricting the total height of the valve to 18-inches.

**AVAILABILITY WAIVER REQUEST**

**Domestic Supplier Information:** RF Valves, Inc

**Project Schedule (provide Notice to Proceed (NTP) date and completion date along with project schedule)**

NTP date – March 29, 2018

Substantial Completion – October 10, 2019

**List Supporting Documentation:** Valve specification 02640; shop drawing approval

**Efforts to Locate Available Domestic Source:** The following manufacturers were contact for an “or equal” domestic source: Apco (DeZurik), ARI, Cla-Val, and Valmatic. None of the domestic-made air/vacuum combination valves had a low enough profile to meet the design criteria.

NJDEP Project Engineer: Michael Curley  
NJDEP Section Chief: William Machotka, P.E.

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