

MEMORANDUM

To: Denver Water Engineering Standards Users

From: Katie Ross, P.E. – Distribution Engineering

CC: Bob Mahoney, P.E. – Chief Engineering Officer
Jeremy Ross, P.E. – Director of Engineering - Projects

Date: January 10, 2020

RE: Engineering Standards – Materials Approval Process

Denver Water's *Engineering Standards* were originally published in 1959 as a technical specification with applicable details. The currently published [Denver Water 15th Edition Engineering Standards](#) includes the *Engineering Standards*, *Materials Specifications* and *Standard Drawings*.

Denver Water specifies approved manufacturer products in the *Materials Specifications* that have been approved for use in the construction of water mains, conduits, and associated facilities. These specified manufacturer products have undergone stringent testing in accordance with *Appendix I: Procedure for Evaluation of Materials* of the *Engineering Standards* prior to use in Denver Water's service area.

Maintaining the integrity of the testing procedure allows Denver Water to ensure safety, reliability and consistency within the Denver Water system. Denver Water projects are designed to keep life-cycle costs as low as possible while also ensuring that a quality system is achieved.

Manufacturer representatives interested in requesting a product for consideration in Denver Water's system shall follow the *Appendix I* procedure. At a minimum:

- The manufacturer's representative shall submit a formal letter request for review to the Director of Engineering - Projects, which includes the product type and model information;
- The product shall have a minimum of 5-years of documented successful use within the United States prior to the request for consideration;
- Denver Water will evaluate the product review request to determine if it should be further evaluated;
- Denver Water will contact the manufacturer's representative requesting additional information and will conduct a product-specific test;
- Following analysis of the product testing, the Director of Engineering - Projects will notify the manufacturer's representative in writing of the decision on whether or not to accept the product and include it in Denver Water's *Engineering Standards*.

Denver Water has established this procedure to evaluate and test new products, including but not limited to pipe, valves, fittings, water meters, and water meter appurtenances. The timing of the materials evaluation is product dependent and subject to staff availability. Acceptance of a product for evaluation and testing does not indicate intent to add the new product to its list of approved brands, types and models.

If you have any questions please contact Katie Ross at 303-628-6589.