

# The Board Of Water Commissioners Denver Water

## Engineering Standards

### Appendix A: Procedure For Evaluation Of Materials

#### A-1 GENERAL

Product and material representatives may petition for the consideration and evaluation of new products or materials related to the water industry and these standards provided the new products or materials have been in successful and documented use for a minimum of 5 years in the United States prior to the representative's submittal for testing under this Appendix.

#### A-2 REVIEW COMMITTEE

The initial application for consideration shall be made by contacting the Director of Engineering - Projects. If determined to be appropriate, the evaluation of products and materials shall be made by an ad hoc committee comprised of end users called by the Director of Engineering - Projects. The committee shall be composed of three or more Denver Water employees. The Director of Engineering - Projects will act as the chairman and the remaining committee members shall reflect the divisions of Denver Water that would be affected by the proposed product.

#### A-3 EVALUATION

The review committee will give careful consideration to the product based upon their collective experience and opinions. They will assure themselves that proper criteria exists or will develop criteria by which the product can be evaluated. They will seek out other knowledgeable persons both inside and outside of Denver Water and attempt to determine whether the product *is* acceptable for inclusion into the Denver Water Engineering Standards or if it will be subject to further testing as stated in Section A-4.

#### A-4 TESTING

If the product has some promise but is not clearly acceptable, a testing program may be undertaken by the ad hoc committee with the cooperation of the product or material representative. The review committee will arrange for any necessary laboratory testing, testing facility trials, and/or actual field testing procedures. The product or material representative shall furnish samples to be tested, any special test equipment not already available to the review committee, any necessary appurtenant materials (pipe, gauges, charts, recording equipment), and when necessary, a location to conduct the tests. In some instances, testing may consist of trial installations into Denver Water's system. The determination of the nature of the testing shall rest with Denver Water. Denver Water reserves the right to require full reimbursement for product testing and evaluation expenses.

Testing shall be undertaken with the object of clearly determining the acceptability of the product. For some products where durability is in question, the test period may last for several years. Denver Water's goal will be to make an adequate determination within the minimum necessary time.

Following test completion, the committee will meet with the product or material representative to discuss results and any further testing or consideration. The

committee will then meet with the Director of Engineering - Projects to discuss the product and reach a decision.

**A-5 NOTIFICATION**

The Director of Engineering - Projects will notify the product or material representative in writing of the decision on whether or not to accept the product and include it in Denver Water's Engineering Standards.

**A-6 APPEAL**

If the product is rejected and if the product or material representative has good reason to feel that the product did not receive an adequate or fair test, the he or she may appeal in writing to the ad hoc committee. The product or material representative shall document the allegations and ask for reconsideration based upon new facts, testing, late results, or some other factual basis. If the ad hoc committee finds reason for further consideration, the committee will arrange for another meeting with the product or material representative and the Director of Engineering - Projects. A final decision will then be rendered, in writing, under the signature of the Director of Engineering - Projects.

If the committee does not find sufficient cause to investigate the matter further, they shall so advise the product or material representative, in writing, and that decision shall be final.

**A-7 LIMITATIONS ON REAPPLICATION**

If, after a product is rejected, significant changes are incorporated into its manufacture that would render it acceptable, the product or material representative may reapply to the ad hoc committee. In the absence of changed conditions, the product will not be reconsidered for inclusion into the Engineering Standards for a period of 3 years after rejection.