

## **6.2 Applied Standards and Design Approaches**

The designers of a water distribution system in Al Ain region are responsible to understand and to incorporate all the relevant government requirements for the planning, design, construction and operation of the water system that may impact the design consideration.

The design of water distribution works in Al Ain region shall be carried out by a designer (i.e. Consulting Companies) approved by ADWEA for performing such works and obtained the required ADWEA registrations.

The detailed design and tender document shall comply with the current ADWEA standard specifications and the design practice applied by AADC.

All the construction works at site shall be carried out by Contractors and sub-contractors that are approved by ADWEA for carrying out such works.

All the material specified and used in water supply projects shall be from suppliers that are approved for such works and listed in ADWEA approved vendor list.

The main resources for the design of distribution networks in Al Ain Region shall be the following documents with their latest amendments:-

- Water Distribution Code (WDC), version 3, July 2010, published by the RSB.
- Guide to the Water Supply Regulations, version January 2009, published by the RSB
- ADWEA Standard Specifications for Water Works.
- ADWEC and AADC water demand forecast criteria and demand estimates.
- This document “ Design Guidelines for Water Supply Works in Al Ain Region, UAE”
- The relevant planning standards and planning documents applied in Abu Dhabi Emirates and UAE such as by UPC, Al Ain Municipality, etc.
- The relevant laws, regulations and other statutory requirements applied in Abu Dhabi Emirates and UAE such as by AAM, UPC, Civil Defence, etc..