

Post-construction, samples from the water systems must be tested for the presence of bacteria / germs and legionella bacteria. Specialised laboratories approved by Dubai Municipality shall carry out the water tests and sampling. Test for aerobic count and legionella shall be done as per DM requirements. All test results must be recorded and kept along with the records for maintenance and remedial works, at site. Testing is not a substitute replacement for sound maintenance practices and water treatment.

COMPLIANCE DOCUMENTATION

Table 406.01(1): Documents Required

Project Stages	Submittal Documents
Design Permit Application	1. DM BLDG Al Sa'fat declaration.
Construction Completion Application	1. Semi-yearly water sample analysis test report from DM approved laboratory (bacteria, germs and legionella count). 2. Service contract with DM approved maintenance company.
After Completion	1. Water tests and sampling reports.

REFERENCES AND ADDITIONAL INFORMATION

Dubai Municipality. (2010). Guideline for the control of legionella in water systems.

American Society of Heating, Refrigerating and Air-Conditioning Engineers. (2015). ASHRAE Handbook—HVAC Applications, Chapter 49 - Water Treatment: Deposition, Corrosion and Biological Control. www.ashrae.org.

ASTM International. (2015). ASTM D5952-08: Standard Guide for the Inspection of Water Systems for Legionella and the Investigation of Possible Outbreaks of Legionellosis (Legionnaires' Disease or Pontiac Fever, www.astm.org.

Health and Safety Executive, Government of UK. (2013). Approved Code of Practice and guidance on regulations (L8): Legionnaires' disease – The control of Legionella bacteria in water systems.

British Standards Institution. (2010). BS 8580: Water quality. Risk assessments for Legionella control. Code of practice.