



When failure Is Not An Option

This kit is designed to conform to the requirements of UFC code 3-600-01 4-2.3.2 requiring military installations to evaluate the supply water for both microbiological and galvanic corrosion. The evidence of either may disqualify the use of schedule 10 pipe. As well as complying with 23.1.5 requiring water supply to be evaluated for MIC or other corrosive properties.

Upon receiving the sample, the lab will establish a chain of custody and prepare the sample for bacterium extraction. Six groups of bacteria will be cultured: Anaerobic Bacterium which determines bacterium which do not rely on oxygen to survive, aerobic which need oxygen to survive. Slime Forming Bacterium (aids in tubercle formation); Iron Related Bacterium (iron-pipe oxidizing and reducing bacterium); Sulfate Reducing Bacterium (causes pit corrosion) and Acid producing Bacterium (causes pit corrosion) and Coliform Bacterium. A full written report with pictures will be provided detailing the types of bacteria present with CFU (Colony Forming Units) counts. These CFU counts will be used to determine how aggressively the bacteria are affecting the piping. A corrosion analysis will also be conducted to determine the corrosion potential of the supply water resulting in a Mils Per Year Loss equation which will be used to evaluate if schedule 10 pipe can be used. The testing will take approximately 9 days to allow for bacteria culture growth.

Sample Retrieval/Return Procedure

Note: The sample must be received by Huguenot Laboratories within 72 hrs after it is removed from the sprinkler system.

- 1. Open system to be tested and allow to run for 30 seconds.
2. Flush sample bottle with water to be tested three times.
3. Completely fill sample bottle.
4. Secure cap on sample bottle and close.
5. Complete the sample identification section of this document.
6. Place sample and this completed document into the original shipping container.
7. Return to Huguenot Laboratories.
8. A full report will be issued within 15 business days after testing is started.

Certification

Bacterium testing procedures are consistent with "Standard EPA Water Testing", "ASTM G-4-84 Corrosion Testing Standards" and Standard methods for the "Examination of Water and Wastewater" 20th edition for Microbiological evaluations.

UFC 3-600-01 MIC and Corrosion Potential Analysis (DOD Requirement for New Military Construction)

Typically completed on supply water for new military construction projects. Used to determine corrosion potential of supply water and determine if bacteria is present in the supply water.

Sample Identification

NOTE: This section MUST be filled out completely and returned with the sample bottle.

Person/Firm Requesting Test

Name: _____

Company: Address: _____

City: _____ State: _____ Zip: _____

Phone #: _____

Email Address: _____

Facility Tested

Name: _____

Bldg #: _____ Riser# _____

Address: _____

City: _____ State: _____ Zip: _____

Phone #: _____

System Information

System (circle one): Wet/Dry FPS Age: _____ Total # of Risers: _____

Facility Sq. Ft. (approx.): _____ # of Floors: _____

Facility Type: _____

Previous System Treatment: _____

Water Sample Information

Date sample collected: _____ Time: _____

Location in system where obtained: _____

Sample collected by: Company: _____

Address: _____

PO Number # _____

Signature _____