



- Liberty Corrosion Solutions -
 An Innovative way to save on repairs and extend service life!
 Protecting capital investments from MIC Corrosion within
 Fire Sprinkler Systems
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Educate your Staff on the top 7 Signs of Micro-biologically Influenced Corrosion 2010

Recent test: MIC Corrosion Stopped



Prior treatment: monthly repairs
 - 1100.00 x 12 months
 Following treatment:
 61+ months no Repairs / Leaks
 (following corrosion inhibitor trt)
 "Considering the long term benefits-
 it made sense to get started"

#1- Flow test show losses due to MIC



Flow test on systems indicate losses in hydraulic calculations due to build up in pipes caused by MIC Bacteria. "We've had great success eliminating the system leaks and odors in water"



#3- Slime forming Bacteria add to the blockage of water through the system. SFB are known to begin the MIC bacterial consortium. Our Biocides eliminate 99-100% of bacteria in 3 hours.

#6- Fire Sprinklers sample and inspect



MIC forming bacteria can form "white rust" when in contact with bronze and brass and foul fire sprinkler heads and components

#7- Odors



Sulfate Reducing Bacteria

Odors created by MIC bacteria in sprinkler water are a common sign of trouble. Odors of rotten egg, sulfur and petroleum may indicate activity of the highly corrosive Sulfate Reducing Bacteria.

Quick Links...

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As with many forms of maintenance, **Early detection of MIC in your fire sprinkler system can save thousands.** By educating staff on signs and symptoms CPMs are detecting MIC prior to costly damages occurring. Protecting property from water damage and system failure is relatively inexpensive and testing quickly establishes a baseline for your property records. Liberty's new water tests have been developed specifically for property managers, using rigorous methods we test for 6 of the most destructive MIC bacteria and rate them in 10 levels of severity. In a tight economy we offer a proven way to save.



Cost savings allowing you to gain a competitive edge

#2- Iron build up within pipe

Know your property inside and out. Target problem properties first and logically allocate resources accordingly. Why wait for the next failure when testing allows for early detection and prevention. Our success is well documented. Prevent loss of use and water damage by establishing a corrosion mitigation plan. Liberty's MIC test is a cost effective way for property managers to test multiple locations.



#4- Loose particles in the system

6 out of 10 systems studied in Texas affected by bacterial corrosion formed iron particles that break loose and often block outlets. The potential for catastrophic loss in a fire due to MIC is also becoming a concern in the insurance industry. The NFPA has recognized MIC in new code requirements describing specific methods for detecting and treating bacterial corrosion. Read about new NFPA code requirements on our website LibertyMIC.com



#5- Spot rusting (localized corrosion)

Localized corrosion is a sure sign that bacterial corrosion is at work. Stains similar to that on the right are reason for concern. Replacement of pipe sections with galvanized pipe seldom solves the problem. Reverse-galvanization is accelerated by MIC activity resulting in additional leaks in galvanized pipe. The good news is it can be stopped. Our products have been used successfully on FSS for more than a decade. They are designed to work with the system components and are environmentally friendly.



" We were looking for an alternative to our monthly contractor repair bills - Liberty was the right choice at the right time"



Our team works diligently to quickly provide answers to your concerns regarding MIC. We deliver substantial cost saving options to preserve and protect your investment. Break the cycle of corrosion which is leading to costly pipe replacement.

Thank you for your interest in our organization. Feel free to contact us for a list of clients in your area using our services.

Sincerely,

Scott McNamara

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