Success Using Antimicrobials for MIC Protection

Johnny Love - ConShield Technologies

Van Young – ConShield Technologies



Underground Construction Technology

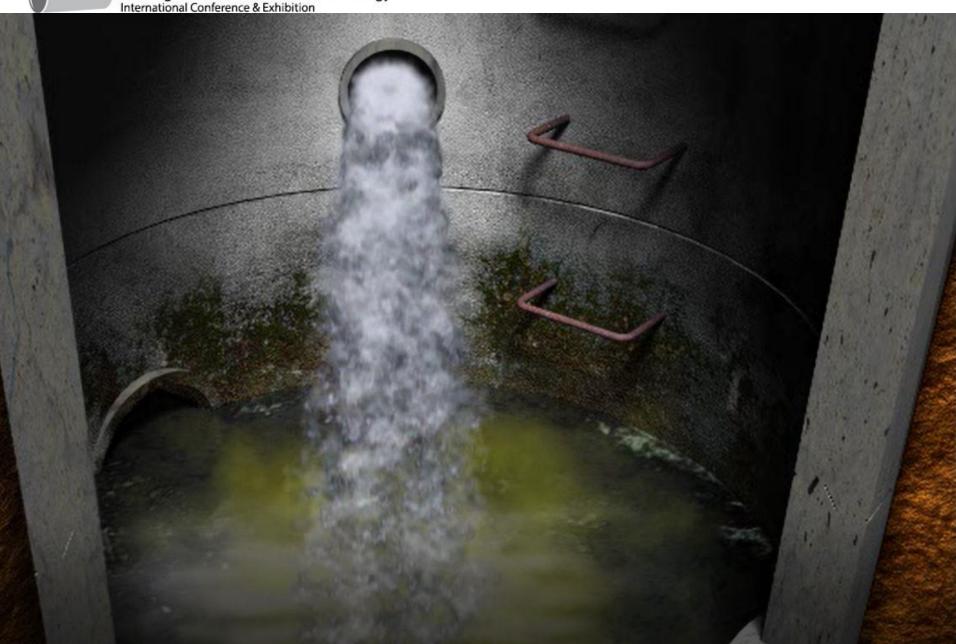


Microbiologically Induced Corrosion

ANTIMICROBIAL

- Liquid antimicrobial additive
- Quaternary Organosaline
- How does it work?









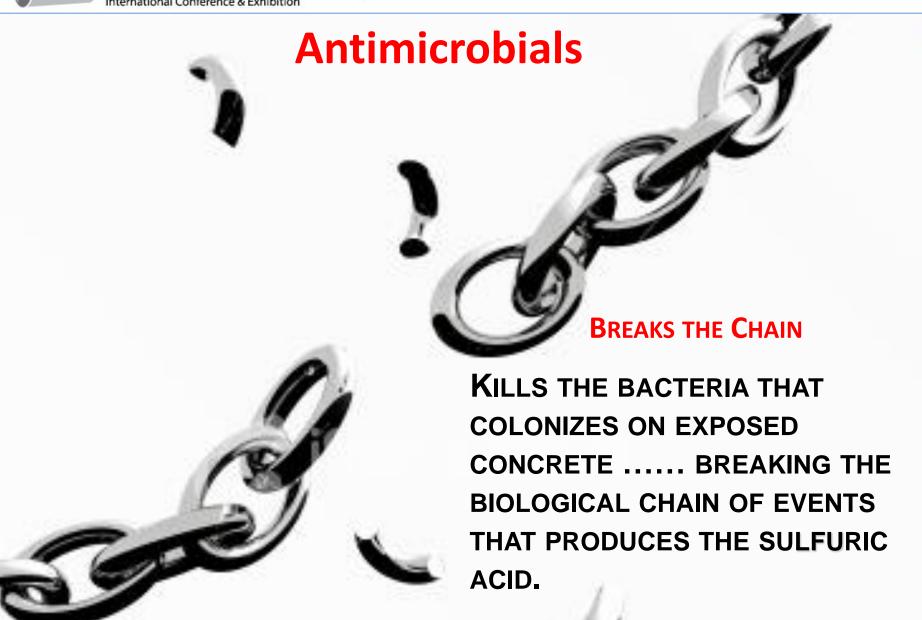


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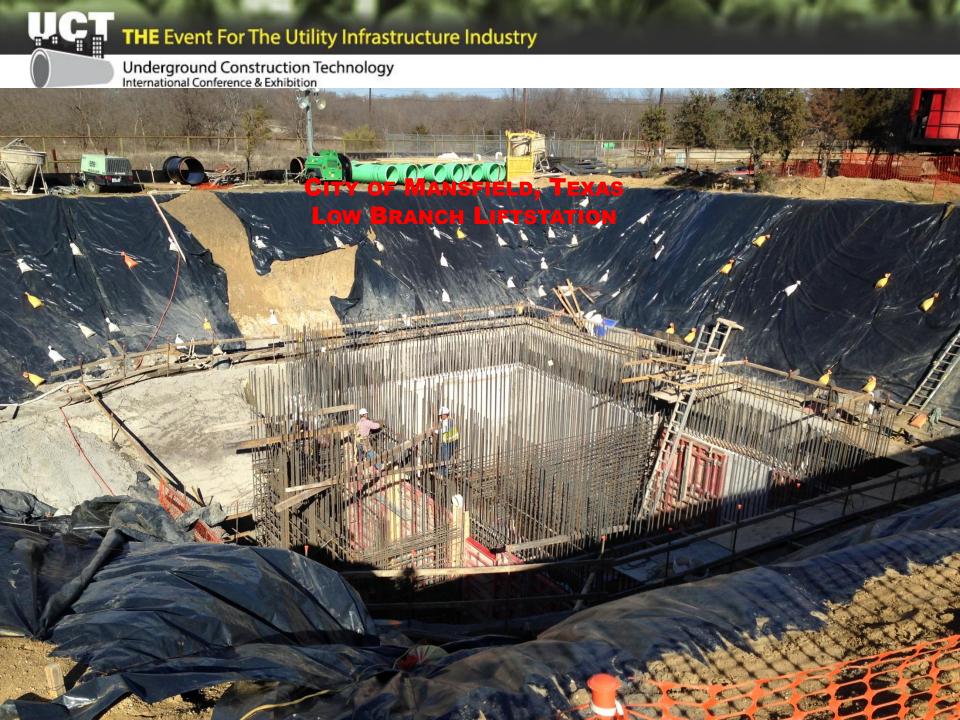








CASE STUDIES





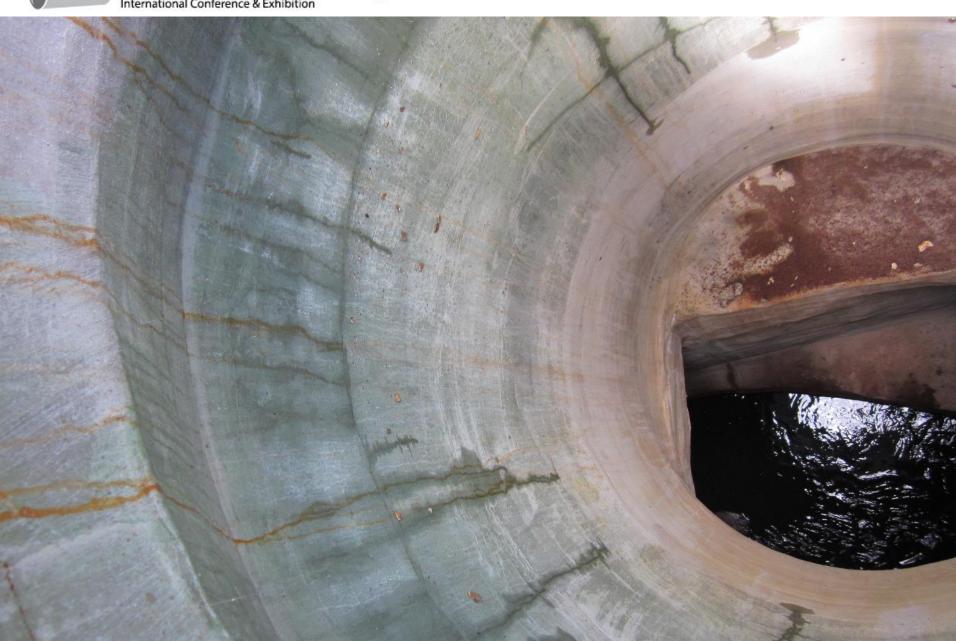
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Trinity River Authority

Air Release Valve Vault Rehabilitation Webb Lynn Road – Grand Prairie, Texas

Contractor: Acme Utility Inspection Completion: November 5, 2013

Lining Materials: AP/M Permaform

MS-10,000 + ConShield Cor+Gard EPM Cor+Roc Composite









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Cost of Using Antimicrobials

Thickness of Concrete Structure	Pricing / Per SF / Surface Area
In Inches	
4	\$1.85
5	\$2.31
6	\$2.78
8	\$3.70
10	\$4.63
12	\$5.55
14	\$6.48
16	\$7.40
18	\$8.33
20	\$9.25
24	\$11.10

Average Cost for Epoxy Liner - \$225.00 VF 4' Diameter Manhole - \$175.00 VF

Who's Using Antimicrobials?

Dallas, TX
Irving, TX
Ft. Worth, TX
SAWS - San Antonio, TX
Round Rock, TX
Waco, TX
League City, TX
Webster, TX
Chicago, IL
Baton Rouge Parish, LA
Kansas City, MO
Miami Dade
Metro St. Louis Sewer District

Who's Specifying Antimicrobials?

Freese & Nichols RJN Engineers CDM Smith CH2M Hill Black and Veatch

Why Specify Antimicrobials

- KILLS THE BACTERIA THAT CAUSES MIC
- CAN BE USED IN NEW CONSTRUCTION AND REHABILITATION PROJECTS
- IT CAN NOT/WILL NOT
 - * PINHOLE * CHIP OFF * PEEL OFF
 - **※** WASH OFF **※** DELAMINATE **※** BIO DEGRADE

QUESTIONS?