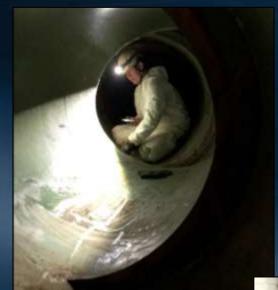


Developments in Coatings & Materials Selection for Metropolitan's Projects

Engineering and Operations Committee Item 6b August 16, 2021

Outline

- Services Provided
- Condition Assessment Examples
- Innovative Developments
- Summary







Services Provided

Corrosion Engineering

Condition Assessments

Material Performance Testing

Recommendations for Coatings & Material Selection



Condition Assessment Examples





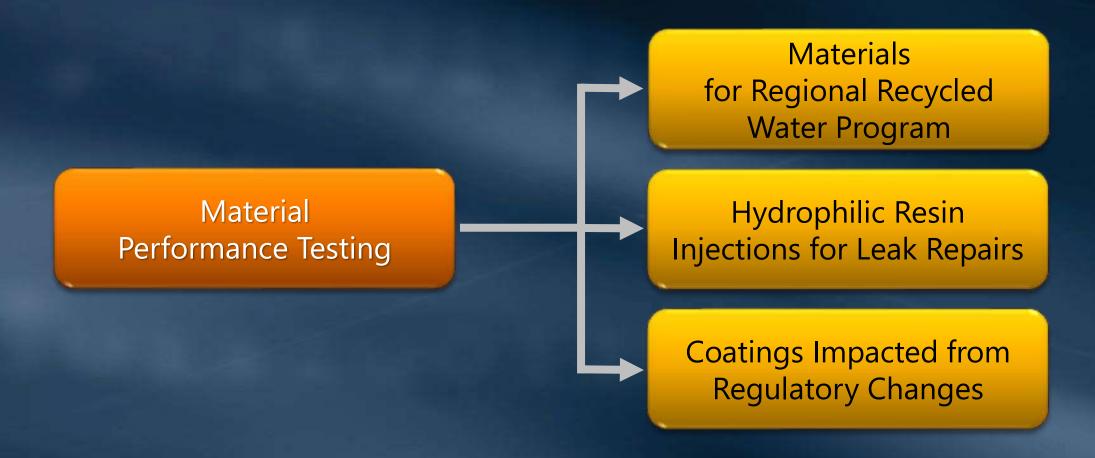








Innovative Developments



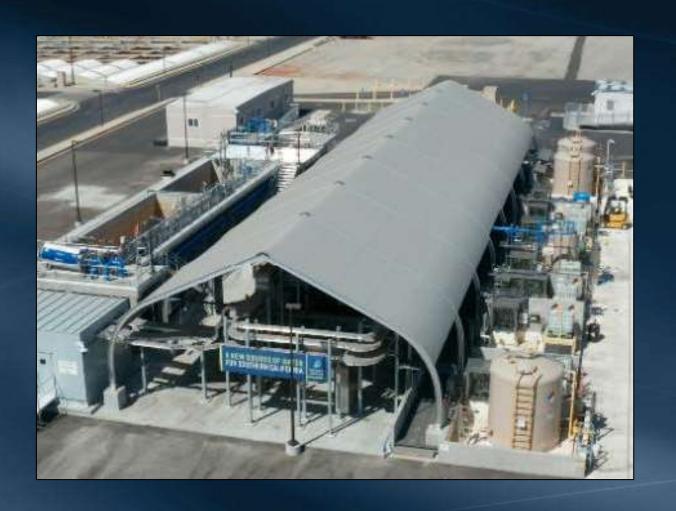
E&O Committee Slide 5 August 16, 2021



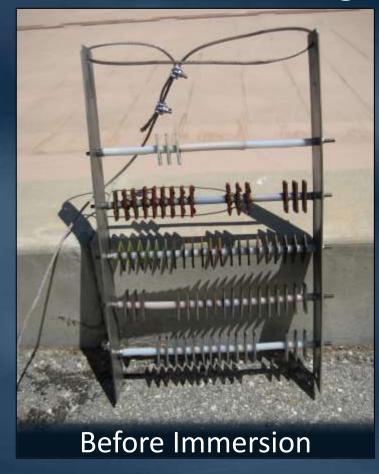




- Currently Testing
 - Various Metals
- Developing Test Plans
 - Cementitious Products
 - Coatings
 - Linings
 - Sealants
 - Adhesives
 - Plastics



Reoccurring Corrosion Testing





Development: Hydrophilic Resin Injections

Pipelines





Air Quality Regulations Water Quality Requirements



Material
Performance
Testing

Approved Coatings List

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Air Quality Water Quality Regulations Requirements Material Performance Testing

- NSF 600
 - Health Effects Evaluation and Criteria for Chemicals in Drinking Water

&O Committee Step 12 August 16, 2021









- Approved Coatings List
 - Available to
 - Staff
 - Contractors
 - Member Agencies

Manufacturer & Product	09900 Category	Service Section
3 <u>M</u>		
7600 3M Classic Roofing Granules Light Grey, 11 Grade		16
Scotchkote 134 Fusion Bonded Epoxy Coating	CS-3S CE-2	15
Scotchkote 203 (206N) Fusion Bonded Epoxy Coating	CE-2	15
Scotchkote 413 Spray Grade Fusion Bonded Epoxy (Blue)		15
Adhesives Technology Corp.		
Ultrabond HS200 Epoxy Gel		18
Aervoe		
MRO Cold Galvanize Coating 147	NS-3	5
Upside Down Marking Paint		2
Akzo Nobel		
10-7208 Corvel Gray Epoxy Powder Coating	CE-2	15
Interpon 100 HR AJ128QF (formerly 10-5112) Corvel Blue Fusion Bonded Epoxy	CE-2	15
Interzone 954 High Solids Modified Epoxy Coating	CS-1	15
Ameron International Coatings See PPG Protective & Marine Coatings		
Arkema		
Primgreen 2 Acid Etchant	CE-2	15
Rilsan 1464 ES, EC Nylon 11 Powder Coating	CE-2	15
Rilsan 2117 MAC ES Nylon 11 Powder Coating	CE-2	15
Rilsan Waterborne Primer		15
Rilsan1488 CM-FB Nylon 11 Powder coating	CE-2	15
Ashland Chemical		
Hetron 922		4

Summary

Developments

Materials for Regional Recycled Water Program

Hydrophilic Resin Injections

Coatings Impacted from Regulatory Changes

Material Performance Testing

Summary

Condition Assessment

Material Performance Testing

Recommendations for Coatings & Material Selection

Materials for Regional Recycled Water Program

Hydrophilic Resin Injections

Coatings Impacted from Regulatory Changes

