

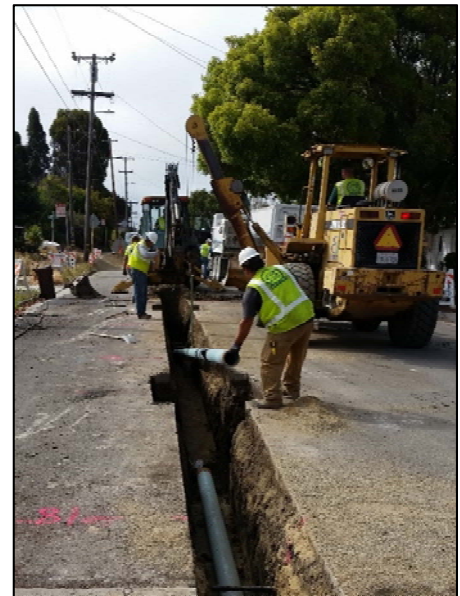
East Bay Municipal Utility District Chooses Synergy™ Bonded Corrosion Protection of Steel Pipe

More than 4,200 miles of pipelines deliver water to businesses, homes, and schools in the Oakland/Eastbay District. Protecting those pipeline assets is a major priority for East Bay Municipal Utility District (EBMUD). EBMUD calculates that one mile of pipeline repair costs an average of \$2.4 million dollars. Forty percent of the cost can be associated to equipment and materials, including the pipe itself, installation methods and other materials such as corrosion control products that includes coatings on steel pipe sections.

In early 2014, EBMUD searched for a corrosion protection solution to help drive competition, reduce installation costs, and extend the life of AWWA C215 steel pipelines. Products that would allow operations crews could utilize their existing installation and repair experience would help reduce the cost of installation and minimize switching costs. The solution selected was AWWA C225 Synergy™ coating system. The robust coating is a heat-fused, three-layer system that enhances layer cohesion and delivers greater adhesion than found in AWWA C215 and AWWA C214 cold applied tape systems. It also provides greater mechanical protection due to the tough HDPE used in the outer mechanical layer.

Pipeline Details and Project Summary

Project:	Annual Pipe Contract
Location:	East Bay Municipal Utility District
Length:	6" X 9,000 LF, 8" X 25,500 LF, 12" X 1,000 LF & 18" x 5,000LF
Installation:	Ongoing
Engineer:	EBMUD
Contractor	EBMUD Installation and Operations Crews



Mobile Pipe worked directly with EBMUD to communicate the technical differences between the various coating options. Once equivalency was accepted, Mobile then trained operations crews on recommended installation procedures, industry best practices, and repair techniques. As a result, EBMUD now has a competitive alternative to AWWA C215 which can benefit ratepayers and potentially improve long term pipeline life.

Mobile Pipe Linings and Coatings, Inc. has over 20 years of experience in applying the Synergy™ coating system to steel pipe. Mobile's automated equipment, applicator qualifications, and SSPC QP3 Quality Control Certification make Mobile Pipe the regional leader in quality coating and lining application.



The annual pipe contract includes cement mortar lining for drinking water applications. In addition to supplying a custom blue color for EBMUD, Seal for Life, manufacturer of Synergy™ also provided a two year warranty for UV protection. It provided an additional six months versus the other coating option.



Mobile Pipe utilized 20 years of Synergy™ experience to help train field Operation Managers at the EBMUD Operations facility in October of 2014. The training session was also videotaped for future use.



Factory automated holiday detection ensures that the coating is properly adhered to the pipe substrate and helps eliminate voids.



Ensuring the product is applied holiday-free is only the first step. Proper loading, including capping, padding and equal weight distribution between dunnage is key to reducing shipping damage.