

Eugene Island Platform Case Study- Concrete Beams

Fast curing, eco-friendly, anti-corrosion membrane that protect structures from salt-water environments.



CUSTOMER

Eugene Island Platform
Concrete Support Beams
Louisiana Gulf Coast
2003

PROJECT TEAM

EcoSeal, LLC.
Meaux Service Protection, Inc. – Contractor.

PROJECT OVERVIEW

In 2003, the Eugene Island Platform, located some 80 miles off the coast of Louisiana, required maintenance to its support structure in order to extend its years of use. Not only was it important to seal the concrete surface, but also provide a sealant system that would halt the never-ending corrosion of the steel rebar within. Various options were considered, including an epoxy coating, but the decision was made to utilize the Rhino 300 Corrosion Prevention System. Because the primary issue was to prevent further corrosion of the steel within the concrete structure, the decision was made to install an impact and crack resistant material in order to avoid future voids in the protective system. The Rhino system was installed at low tide to enable spraying beneath the water line. The incoming tide, within hours of the installation, had no adverse impact on the system's adhesion to the structure and as of 2008, it remains in good shape, providing ongoing protection.

CONSIDERATIONS

Corrosion Prevention: The ES 300 Corrosion Prevention System was utilized as an alternative to other more costly solutions. ES 300's elastomeric properties, tenacious adhesion, and ability to provide an effective corrosion barrier for substrates in salt-water environments made it an easy choice for this application. The fact that the membrane forms instantly upon contact, is touch-dry in minutes and is able to be submerged in salt water a few hours after application makes it a superior choice.

SYSTEM PRODUCTS

ES 300: Polymer-modified elastomeric system that is specifically formulated for long-term corrosion prevention in the harshest of environments. ES 300 forms resilient, puncture-resistant, environmental envelope around concrete support structures impacted by salt water.