

Location:

Sterlington, LA

Date of Application:

April 2001

Market:

Power - Conventional

Substrate:

Steel

Surface Prep:

SSPC-SP 2 (Hand Tool Clean)

Exposure:

Exterior Weathering - moderate
industrial exposure - chemical
environment

Sterlington Power Project

Area Coated: Exterior Spot Prime Coat

- First Coat: Carbomastic 15

Area Coated: Exterior Coating

- First Coat: Carboguard 893
- Second Coat: Carbothane 133 HB

Project Description:

A turbine filter air house and associated ductwork on combined cycle natural gas power plant needed to be overcoated for long-term corrosion protection.

Project Challenge:

Abrasive blasting was not available as a surface preparation method. An overcoating system which could go over a 4000 psi water blasted and SSPC-SP 2/3 prepared surface was needed. In addition, the system needed to have moderate chemical resistance and good weathering properties.

Coating Selection Explanation:

A 4000 psi water blast surface preparation was performed on the aged epoxy on the filter air house and duct work. A SSPC-SP 2/3 surface preparation was performed on any rusty areas and spot primed with Carbomastic 15. This was followed by the application of the Carboguard 893 / Carbothane 133 HB system over the entire surface area.

