

Location:

Prudhoe Bay, AK

Date of Application:

September 1983

Market:

Oil and Gas (Offshore)

Substrate:

Steel

Surface Prep:

SSPC-SP 5 (White Metal Blast)

Exposure:

Exterior Weathering - severe industrial
- seacoast and chemical environment

Square Feet:

30000.0

Prudhoe Bay Seawater Treatment Plant

Area Coated: External Hull of Barge

- First Coat: Carboglas 1601 SG

Project Description:

The Prudhoe Bay Seawater Treatment Plant (STP) was designed to extract seawater from the Beaufort Sea and inject it into the oil reservoir underground. The STP was built in South Korea and mounted on a barge called "Northern Light". It was floated to Alaska where it was permanently grounded in the Beaufort Sea along the shoreline.

Project Challenge:

The STP was built with a 25 year design life. A coating was needed to protect the hull for 25 years without the need for maintenance.

Coating Selection Explanation:

Carboglas 1601 SG was chosen for its outstanding corrosion resistance and durability. The Carboglas 1601 SG was applied in two coat (wet-on-wet) at 15-20 mils (381-508 microns) per coat with approximately 1 hour between coats.

Additional Information:

This picture was taken in September 2009. After over 25 years, the Carboglas 1601 SG is still performing beautifully. Field observations indicate the submerged areas and the water intake are well protected. The rust staining shown in the picture stems from the deck surface and not the Carboglas 1601 SG.

For more information contact:

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