

A.M. WILLIAM STATION COAL-FIRED POWER PLANT

In the late 1980s, South Carolina Electric & Gas (SCE&G) made a concerted effort to increase the service life of the protective coatings it used to maintain the equipment in its coal-fired power plant at A.M. William Station. In addition to the corrosive humid and saltwater environment at the plant's location near Charleston, the facility maintenance engineers have to contend with the aggressive attack of sulfur dust which frequently lands on the equipment and creates an acidic solution when it becomes wet.

The bulk of the facility was constructed or repainted between 1985 and 1992, and received thousands of gallons of Tnemec aromatic urethane and aliphatic polyurethane coatings. The owner selected Tnemec materials to provide maximum service life potential in order to minimize costly maintenance painting in the future.

That decision has proved to be worthwhile. Recent visual surveys twenty years later show the coatings to be performing as expected. Corrosion has been minimal, very little maintenance has been required and, with the exception of slight fading of the bright green finish color, it is hard to differentiate between photos taken in the 1980s and today.

FEATURED PRODUCTS

- Series 27 F.C. Typoxy
- Series 66 Hi-Build Epoxoline
- Series 73 Endura-Shield



PROJECT INFORMATION



Project Location

Goose Creek, South Carolina

Project Date

1985 - 1992

Owner

South Carolina Electric & Gas

The conveyors and stacker/recycler at William Station were painted in 1987 by Hames Contracting of Columbia, SC. The Tnemec MCU primer and Endura-Shield coating are still performing as verified by a 2007 site visit. (Coating system: 530/27/73)

