

ERTEC Environmental Systems

Protecting the Integrity of Global Lands and Waterways™

Case Study Hard Surface Guard™



- > Lower Operational Costs
- > Better Performance
- > Very Long Duration
- > Zero Waste
 - ✓ Reusable
 - ✓ Recyclable



Application: Coal Fired Power Plant
Product: Hard Surface Guard™
Location: Stockton, California
Customer: FPL Energy—Port of Stockton District Energy Facility
Application: Facility Perimeter Sediment Control Protection

Hard Surface Guard:

- Is designed to seal to hard surfaces to keep debris, soil or other particulates from moving off-site.
- Allows water flow-through and significantly reduces water velocity while providing particle and debris filtering
- Is made from durable and recyclable HDPE
- Is durable or reusable for many years

The Challenge:

- During the previous storm seasons, Posdef used fiber rolls around the plant perimeter in an attempt to keep coal dust, debris and other particulates from flowing off the site during rain storms. This was found to be unacceptable by local inspectors. Not only did fiber rolls need frequent replacements, they cannot adequately seal to the asphalt surface, and allow contaminated water to flow underneath and off the site.

The Solution and Results:

- Hard Surface Guard was anchored with masonry nails driven with a powder charge-nail gun. Installation is very quick. Expected life is more than 4 years.
- Solids in rainwater run-off to the street and eventually to the storm drain were significantly reduced.

Customer Notes:

- “During this storm season the local inspector was positive about our site conditions and the ERTEC perimeter protection material. I was very pleased with the ERTEC performance. It looks like we have good multi-year, low cost, high performance solution.” Doug Hale — Facilities Manager—Posdef Power

Proven Results

- Time and again, ERTEC has delivered lower total cost and better sediment and particulate control

