# Adhesive Removal from Regeneration Vessel Interiors at Progress Energy Brunswick U2

#### Project 828

#### **Overview:**

- Three regeneration vessels (a.k.a. condensate polishers)
- Vessels had rubber linings removed using pneumatic chipping hammers
- An adhesive residue remained on the surface
- Small, narrow tank shape; normally a messy process with poor visibility

### **Objective:**

- Remove adhesive residue
- Prepare surface for paint





# Adhesive Removal from Regeneration Vessel Interiors at Progress Energy Brunswick U2

Substrate: steel

**Size:** 2.4m(8ft) tall by 1.2m(4ft)

**Specified:** 

75-125microns (3-5mils) profile

NACE 1 / SP-5 / Sa-3
White Metal Blast Cleaning

### **Formerly Used:**

12-40 black beauty abrasive:

- (1) Messy, slow and dusty
- (2) Adhesive melts away rather than is cut away
- (3) Large volume of waste 4,085kg(9,000lb) for three vessels

**Used:** Silver 16 Sponge Media™



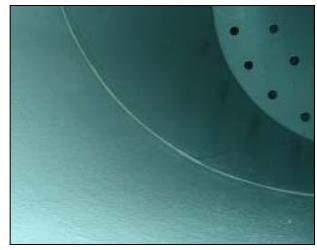


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#### **Result:**

- Project completed on time/ under budget
- Major savings realized on disposal cost





### Comparing Disposal of Black Beauty and Sponge Media™ on three vessels:

	Recycles	Waste Disposal	Cost Per barrel	Disposal Cost
Silver 16 Sponge Media™	multiple	1 barrel	\$5,500/barrel	\$5,500
Black Beauty	0	22.5 barrels	\$5,500/barrel	\$123,750
*Reusable Sponge Media after the project was drummed and stored for future projects			<b>Total Savings</b>	\$118,250

