



## In-Place Shaft Repair Made Easy with METALCLAD DurAlloy

**Client:** Wastewater Treatment Facility

**Location:** New Jersey, USA

**Problem:** Shaft of rotating biological contractor (RBC) was severely damaged.

**Solution:**

1. The shaft was prepared by mechanically grinding the damaged area.

2. **DurAlloy** was applied to the damaged area.

3. A 'split' former with weep holes was manufactured with an inner diameter to match the outer diameter of the shaft. A release agent was applied to the inner walls of the former. Additional **DurAlloy** was then applied on top of the release agent and the former was secured to the area of the shaft with the **DurAlloy** and clamped into place.

4. After the **DurAlloy** fully cured, the former was removed and the area was smoothed out with a fine emery cloth.

**Cost:** Labor, materials and equipment for this repair were \$3,000 USD. New components for a rotating biological contractor can reach into the **tens-of-thousands of dollars!**

