

Belzona Applies a Protective System on a Grit Snail

ID: 7671

Industry: *Water / Wastewater*

Customer Location: *Oregon, USA*

Application:

Application Date: *January, 2018*

Substrate: *Stainless steel*

Products: ** Belzona 1811 (Ceramic Carbide) ,*

Problem

Grit running through the grit removal system wears through the protective coating and the stainless steel housing.



Photograph Descriptions

- * 1. Grit Snail ,
- * 2. Worn area inside grit bowl. ,
- * 3. & 4. Belzona 1811 (Ceramic Carbide) replaced. ,

Application Situation

The grit removal system, called a Grit Snail, in a waste water treatment plant malfunctioned. The timer had quit working causing the Grit Snail to run constantly causing the factory installed sacrificial coating to wear prematurely through the coating in to the stainless steel housing.

Application Method

The stainless steel and remaining Belzona 1811 are grit blasted. The 1811 is mixed and applied 1/4" thick on the edges and slightly thicker in the center.

Belzona Facts

The Grit Snail manufacturer applied a 6" wide band of 1811 in the wear area of the grit bowl. It is a sacrificial coating and must be renewed from time to time. Replacement bowls are quite expensive, thus having a protective coating that extends the service life of the equipment is ideal

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