

Demolition of Former Alcoa Alumina Facility (SCRG)

Kingshill, St. Croix,

US Virgin Islands



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Spirtas Wrecking Company (SWCo) dismantled the former Alcoa Alumina Refinery located at Kingshill in St. Croix, US Virgin Islands. This project was performed to support the redevelopment of the site for future industrial uses.

The site processed bauxite ores into aluminum intermediate product. Units provided digestion of ores, followed by filtration, thickening and precipitation. The project involved the demolition of 20 large diameter tanks each about 40-feet high, plus another 30 tanks 80-feet tall with associated support structures and piping. Additional areas within the demolition scope included two 330-foot long rotary kilns, air pollution racks, and support utilities. All structures were demolished to ground level.

Residual solids in these tanks were extracted, dried and moved to designated storage areas on-site. Alkaline water was managed via evaporation and selective treatment with acids. Scrap metals included steel, copper, stainless steel and aluminum, plus alloys used in heat exchangers. All scrap was prepared and sold through scrap brokers on the world market. Scrap was shipped periodically on cargo vessels to international buyers.

The project was safely performed using a combination of local labor and SWCo crews. The duration of the project was about 16 months.

Client:	St. Croix
	Renaissance Group
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Location:	Kingshill, St. Croix,
	US Virgin Islands
Project Value:	\$6,900,000.00
Completion Date:	October 2010

