

PROJECT STATISTICS

Project Name:	Crystal River Nuclear/Fossil Plant
Location:	Florida (USA)
Owner:	Progress Energy
Description:	Install 700' of TUFFCAT-10 Waterway Barrier System for site security
Date:	December 2004



**Key TUFFCAT-10 Project Features**



**SHORELINE ANCHORING SYSTEM**

The client provided Worthington with a specific threat basis which drove the design of the system. All anchor blocks, floatation units and capture systems were designed to site specific and USNRC safeguards requirements.

Placement of anchor blocks weighing over 11 tons.



**Gate Operating Mechanism:**

The site must allow access at a minimum 2-day for critical fuel supply barges. Worthington designed a semi-automated 400' boat gate capable of functioning in all weather conditions.



**SOLAR NAVIGATIONAL LIGHTING:**

USCG requirements necessitated the use of solar powered marine lanterns to provide uninterrupted visibility



**HIGH VISIBILITY BOOMS WITH GRAPHICS and 316 Stainless Steel Components:**

Every other boom includes highly visible mold-in® graphics reading **RESTRICTED AREA - KEEP OUT**. The system also includes 5 rows of 5/8" cable, all steel components made out of 316 stainless, and other classified equipment. This project is estimated at saving the USCG \$260,000,00 annually by reducing the patrol frequency of this critical Florida harbor.

Worthington Products, Inc. is the premier U.S. manufacturer of waterway barriers for security, safety and debris control. Governments and private enterprises use Worthington's waterway barriers worldwide. Worthington Products offers full engineering and technical support, turnkey services and quality products backed by competent service.

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