Sims® Since 1919

U.S. Army Corps of Engineers

Product: **Simsite Impeller**
Material: **SIMSITE 300**
Impeller Diameter: **9.00**

CASE STUDY
CR14321

Customer Comments: "I have been aware of this material for 15 years, and in that time have found or heard of no substitutes. When it originally came out, it was more expensive than the bronzes, however it was still cost effective due to the improved performance. With the higher increase in cost of the metals relative to the Simsite, the Simsite is even more cost effective. Simsite is known primarily by word of mouth, and is sold primarily direct from the factory. They are small business, and don't advertise very much (if at all)."

~ STEVE CINKOSKY, ARMY CORPS OF ENGINEERS

Problem:

Essayons main salt water circulation pumps on the central cooling system experienced, Corrosion, cavitation and high vibration levels.

Results:

The light weight Simsite® impeller reduced vibration and increases the life of the shaft, bearings, seals, and the motor. The material resists corrosion and cavitation damage better than the other materials. The pumping efficiency is has increased by 2 to 6%.

Company Location: NEW ORLEANS LA.

Company Background: The U.S. Army Corps of Engineers' hopper dredge Essayons, operated by a merchant marine crew, was delivered to the Portland District in 1983. The Essayons helps maintain the entrance bars, rivers and harbors on the coasts of California, Oregon, Hawaii, Alaska and, in emergencies, the Mississippi River. Because of its size and dredging depth, the Essayons is particularly well-suited for dredging the larger coastal entrances.