

Mystic Generating Station

Customer Comments: "We have been very impressed with the performance of the Simsite[®] impeller. The combination of material as well as your redesign of the impeller has resulted in an installation that has earned the confidence of the plant maintenance and operations personnel. We are now in the process of converting all circulating water booster pumps to Simsite[®] and will be on the lookout for other applications to utilize your Company's expertise."

~ William A. Polin, PE, Project Engineer

Problem:

Pump performance degrading because of increased clearance between impeller and wear ring due to extreme wear from tidal water, wear rings and impellers show signs of extreme wear and reduced life span. Service life reduce anywhere from 6 to 14 months.

Results:

the Mystic Unit 6 South circulating water booster pump was opened and the Simsite[®] impeller was inspected. This pump had been running continuously in tidal water since the Simsite[®] impeller was installed approximately 16 months ago. The Simsite[®] impeller looked like the day it was installed. There was no evidence of corrosion/erosion or wear of any kind.



Company Location: Everett, Massachusetts

Company Background: The Mystic Generating Station really is the Grande dame of the Boston area power plants and is a major feature of the Boston area skyline. Almost all I-93 commuters know this plant as a major landmark and there are many hilltops in the Northern and Western Boston suburbs that offer a great view of this plant (like near the top of the hill on Rt. 2 in Arlington Heights). This plant is particularly interesting given its history and unique fuel arrangement.

14.38 x 9.00
Simsite[®] Impeller

