

The Challenge

Yankee was queried by a regular client, a power utility company, to provide solutions to their failing exterior coating systems on an eight million gallon fuel oil storage vessel. Years of deferred maintenance and harsh environmental conditions, including salt water spray, had deteriorated the existing lead based coating creating the look of poorly maintained equipment. Close proximity to a pristine recreational harbor, office buildings and parking lots added a degree of difficulty in removing the failed lead based coatings.

Yankee Ingenuity at Work

Ultra High Pressure Water Jetting was the solution proposed by Yankee in the form of our proprietary robotic "Hydro-Spider". Our "Hydro-Spider" unit removed the lead paint and rust while collecting the waste water with no emissions. Waste water can be filtered and reused in the system, resulting in a waste stream of only paint chips and avoiding the disposal of several hundred thousand pounds of lead contaminated blast media. Utilizing the "Hydro-Spider" eliminated the need for scaffolding, negative pressure enclosure, and employee exposure to lead dust.

The Result

With Ultra High Pressure Water Jetting, crew size, limiting damage to surrounding structures, airborne pollutants and waste stream reductions were optimized. Invisible contaminants (entrapped chlorides from salt spray) and "corrosion cells" were removed, providing a substrate more suitable for re-painting than dry blasting would provide. To finish the project, Yankee applied two coats of Devoe Bar Rust 235 epoxy, a topcoat of Devthane urethane, and provided a two year warranty.

Conclusion

It is clear to see why many of Yankee's clients are switching to Ultra High Pressure (UHP) Water Jetting. Simply stated, it is the most productive and economical way to achieve the surface preparation facility owner's require and deserve for tenacious adhesion of coatings and subsequent longevity of their infrastructure, while respecting the environment and regulations. The United States Navy and Coast Guard specify Ultra High Pressure Water Jetting for ship coating removal projects based on its limited environmental impact and enhanced performance of the new coatings. Today, this innovation is available for your projects. Yankee welcomes your inquiry in formatting our equipment and engineering capabilities to fit your specific needs.



About Yankee

Yankee Fiber Control is one of New England's oldest and largest environmental / specialty contractors, we are also one of the most innovative. Our highly experienced team is committed to improvement, and we are constantly learning and developing new skills and solutions. Under one roof, we have gathered a team equipped with today's most sophisticated methods and technologies. We are a privately owned business with over twenty years of expertise in servicing our customers, including residential, commercial, industrial, and institutional sites such as hospitals and universities. For more information on how Yankee's Ingenuity can work for you please call or visit our website.

Yankee's Core Services :

Asbestos & Lead Abatement, Duct Cleaning, Mold Remediation, Industrial Cleaning, Interior Demolition (Dust Free), Epoxy Coatings, Industrial Coatings, Polished Concrete Floors, Dry Ice Blasting Sand Blasting, Shot Blasting, Wet Pumice Blasting Ultra High Pressure Water Jetting (40,000psi),