



# LIGHTNIN

## Clean Edge Impeller

### Designed for Municipal Waste Treatment Applications

The LIGHTNIN Clean Edge Impeller fills the need for use in services where a ragless impeller is either specified or required. Specifically designed for this demanding service, the Clean Edge remains free of fibrous debris while delivering blending performance equal to a hydrofoil impeller.

Wastewater applications have stringy, solids called “rags” by industry personnel. This fibrous material causes equipment to foul, maintenance costs to increase due to added downtime through plant shutdowns, and mechanical damage. The fouling potential of these rags causes mixing impellers to lose their efficiency, vibrate and overload.

The Clean Edge impeller does not foul. It prevents rag accumulation and keeps the mixer operating smoothly at design power and without harmful vibration or tripping out due to overload.

- Patented impeller achieves steady and stable operation in harsh operating conditions.
- Clean Edge exhibits the same blending efficiency as a hydrofoil impeller and can often be a drop-in replacement for your existing mixers.
- Installation of a Clean Edge impeller will increase plant uptime, reduce maintenance, and eliminate failures related to rag buildup.
- The power and flow characteristics of the Clean Edge impeller make it the ideal retrofit for any underperforming system.



## Clean Edge in Action

Have you ever seen Municipal Waste Treatment applications where the severe service causes premature failure and excessive maintenance?



Pictured to the left is an Anoxic Mixer at a WWTP in Florida. The hydrofoil impellers installed here bind up with rags and other fibrous materials until the blades, shaft or mixer drive require maintenance and/or replacement.

LIGHTNIN introduces a solution to this "dirty problem" in Municipal and Industrial treatment services.



The Clean Edge impeller pictured left remains free of fibrous debris while delivering performance equal to a hydrofoil impeller.

## Service

SPX Process Equipment Services

- Repair Services
- Equipment Services
- PM/PDM Services
- Additional Services
  - Installation and Startup
  - Maintenance and Repair
  - Asset Management

For 24-hour response, call 1-888-MIX-BEST (U.S. and Canada)

## Call the SPX Process Equipment Experts

For more information about the LIGHTNIN Clean Edge Impeller or to discuss your application, contact your local SPX Process Equipment Sales Representative.

Or visit our website at [www.spxpe.com](http://www.spxpe.com).

Or call 1-888-MIX-BEST (U.S. and Canada)

# SPX®

## PROCESS EQUIPMENT

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For more information about our worldwide locations, approvals, certifications, and local representatives, please visit [www.spxpe.com](http://www.spxpe.com).

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