STOP TURNING RECOVERABLE OIL INTO SLUDGE.

Mercer International Inc.

STOKES STRIP 421™

Stokes Strip 421™ is a tunable upstream conditioning technology engineered to break emulsions, release hydrocarbons from solids, and improve downstream separation performance without relying on traditional PAM-heavy chemistry.

PAM-Free Conditioning for Oil Recovery, Solids Densification & Faster Dewatering

Instead of trapping valuable hydrocarbons inside swollen sludge, operators gain cleaner oil recovery, denser solids, faster dewatering, and more controllable downstream performance.

Fix the behavior of the water before forcing the separation.

BETTER SEPARATION STARTS UPSTREAM.

Recover More Saleable Oil
Breaks emulsions and strips hydrocarbons from solids instead of trapping them in sludge.

Reduce Polymer Dependence
Low-dose tunable chemistry without swollen PAM "play-dough" cakes.

Faster Dewatering
Creates porous solids that release water rapidly.

Lower Disposal Costs
Less retained moisture means less haul-off weight and lower sludge volumes.

Improve Downstream Stability
Helps separators, flotation systems, and dewatering equipment work more predictably.

Reduce Equipment Burden
Can reduce reliance on aggressive flotation, centrifuges, and excessive chemical dosing.

OILS JOIN OILS. SOLIDS JOIN SOLIDS.

Stokes Strip 421™ works at the oil-water-solids interface, weakening emulsions and destabilizing fine suspended solids at the same time.

1

EMULSION + COATED SOLIDS

Oil is emulsified. Solids are coasted and suspended.

2

INTERFACIAL CONDITIONING

Emulsions break. Oil coalesces. Charges neutralized. Solids destabiize.

3

FREE OIL + DENSE SOLIDS + CLEANER WATER

Oil rises. Solids densify amd settle. Water clarity improves

WHY PAM-FREE MATTERS

Traditional Polymer Programs Create New Problems.

Traditional PAM chemistry often forces oil, solids, and water into the same heavy sludge phase increasing disposal burden and reducing recovery value.

TRADITIONAL PAM	STOKES STRIP 421™
Swollen Sludge	Porous Friable Solids
Trapped Oil	Recoverable Hydrocarbons
Sticky Cakes	Rapid Drainage
High Haul-Off Weight	Lower Residual Moisture
Difficult Dewatering	Tunable Low-Dose Chemistry
Excessive Chemistry	Cleaner Downstream Operation

BUILT FOR DIFFICULT STREAMS

- Produced Water
- Oil & Gas Wastewater
- Tank Bottoms
- Sludge Dewatering
- Drilling Waste
- Industrial Oily Waste
- CAFO & Organics
- Breweries & High-BOD Streams
- Thickened Solids Streams
- Retrofit Separation Systems

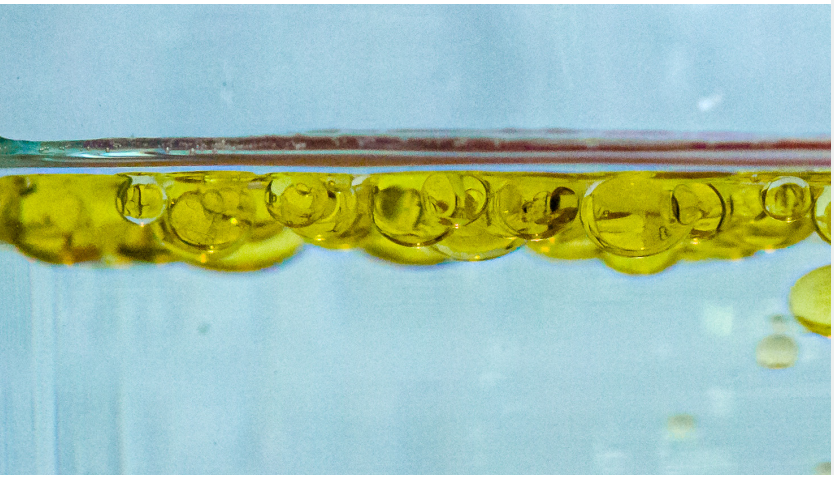
Best applied where emulsions, colloids, fines, sludge behavior, or oil-coated solids prevent clean gravity separation.

CHEMISTRY ALONE ISN'T THE SYSTEM.

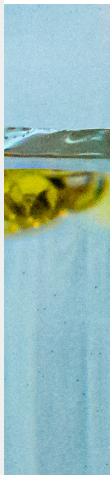
Mercer integrates Stokes Strip 421™ into engineered treatment trains alongside:

Gravity Separation
Nanobubbles
Catalytic Conditioning
Filtration
Dewatering Systems

The goal is not more chemistry.
The goal is controllable separation.



> ***Mercer is the quiver. These technologies are the arrows.***
>
> ANDRE ELLMAN
> President



TEST FOR FREE

SEND SAMPLE

We Test for FREE and Guarantee.

Every wastewater stream behaves differently. That's why Mercer validates chemistry, conditioning behavior, separation response, and dewatering performance against your actual process stream before full deployment.

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