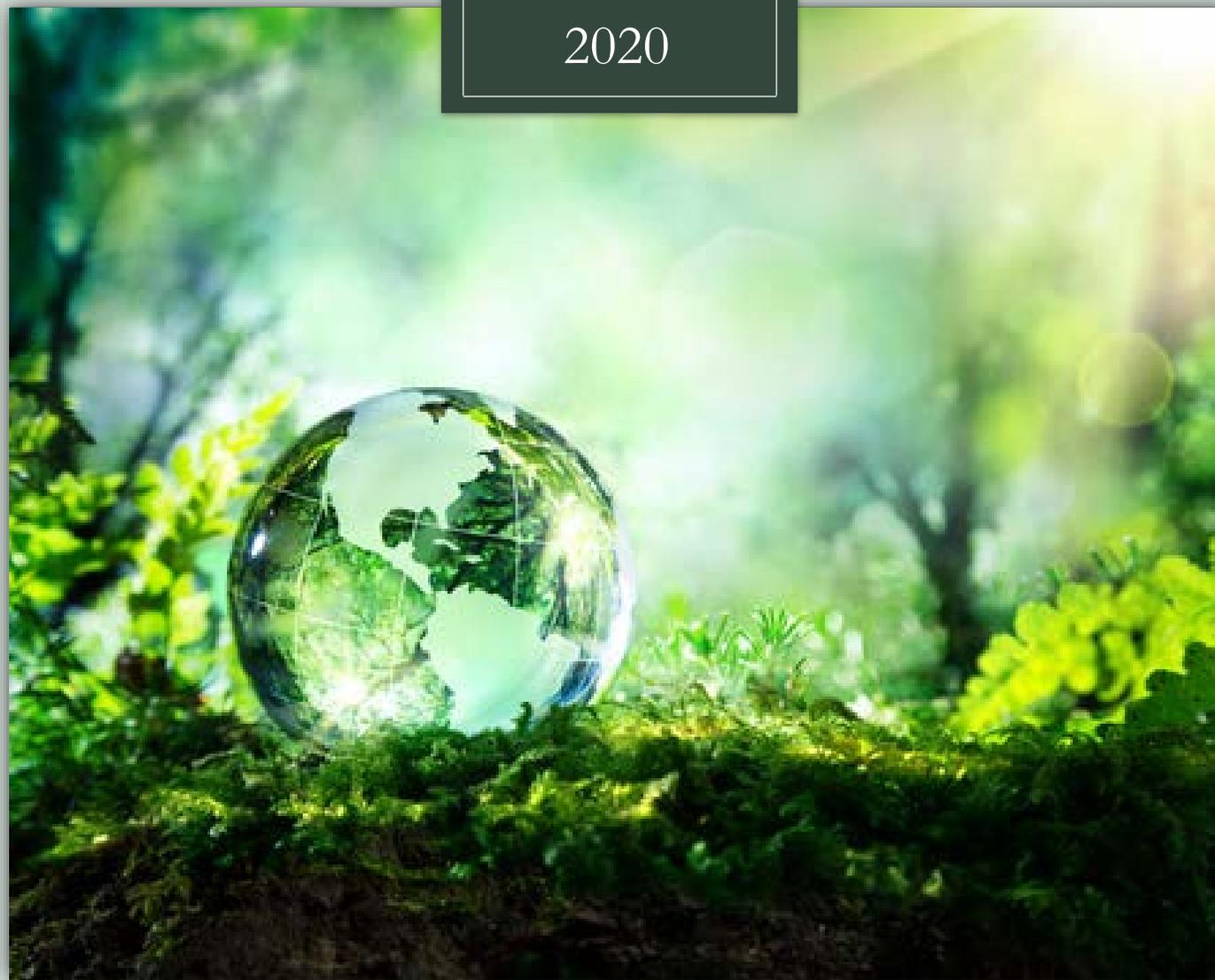




Sustainable
Fiber Solutions

2020



Sustainable Packaging
Solutions for the
Environmentally
Conscious

January 14, 2020

California PFAS Workshop

Aqueous Coatings as an
Alternative to PFAS
Molecules

What We Do

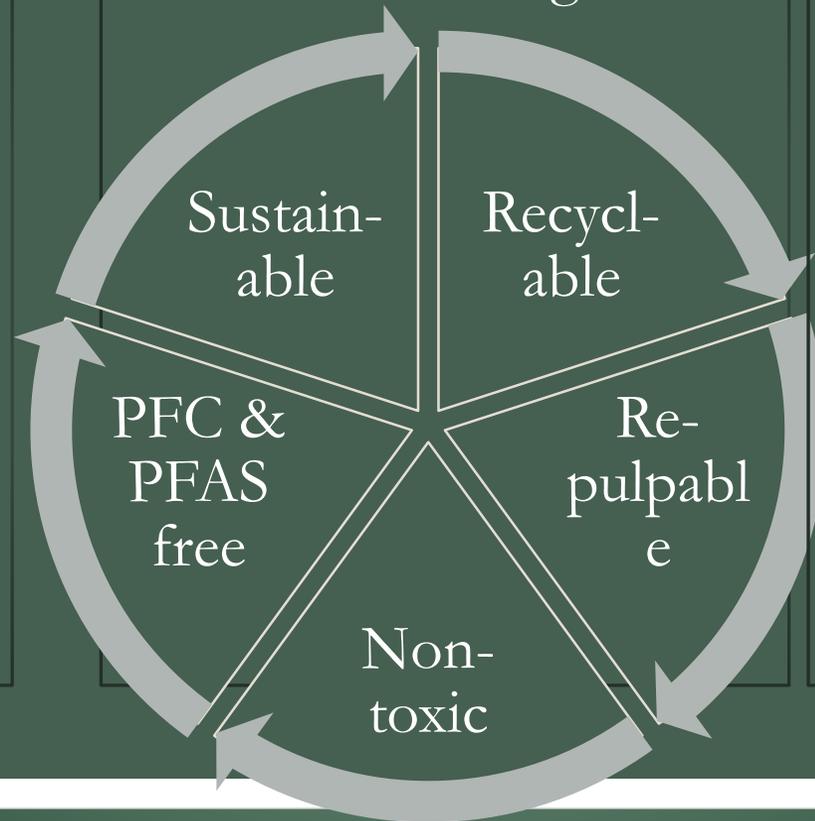
PAPER COATING

We apply various types of sustainable, functional coatings to most types of paper

Equipment enhancements allow us to be a low-cost provider through fast speeds and high yields

COATINGS

SFS coatings



PRODUCTS

Using flex wrap, linerboard, and SBS, we provide coated paper for all types of paper packaging solutions

SFS has products that have already been used to replace PFAS packaging for QSR applications.

What are Aqueous Coatings?

Aqueous coatings are water-based materials formulated to provide a multitude of functional properties depending on the end-use requirements of a package. Examples, to name a few, include moisture resistance, heat sealability, and oil & grease resistance (OGR). In general, these materials are readily recyclable when part of a paper-based package and have yielded recovery rates in excess of 99% through the repulping process.

Methods of Application

A metered size press (used by SFS) and a rod coater are two common examples of methods used to apply aqueous coatings. Both can apply sufficient quantities of coating to the substrate to ensure the end-use functional requirements will be met. There are a variety of other application methods, in some cases even press-applied, that are options.

What are the Cost Differences – PFAS, PE, Aqueous Coatings?

- PFAS and Extruded Polyethylene (PE) products are made through mature supply chains that have reached volumes where pricing has been optimized (minimized).
- Depending on the application, packaging made using aqueous coatings and off-machine production ranges from 90-130% of the cost of on-machine PFAS and PE extruded materials.
- Most functional aqueous coatings are still made in batch quantities so the economies of scale have not been realized.
- With volume, aqueous coated materials will be equal to or lower in cost than the current PFAS or PE extruded products.



THANK YOU

Please contact Clay Mayhood with questions and/or for additional
information

Office: (949)265-8295 ■ Cell: (804)366-9464 ■ Email:
cmayhood@sufiso.com