

Advanced Recycling Conference Proposal

Presentation Title

Certifying Responsible Chemical Recycling: A New Framework for Accountability

Format

Presentation with panel discussion

Abstract

Chemical recycling has a trust problem. Without independent verification, brands sourcing chemically recycled materials have had no reliable way to confirm that operators are meeting environmental standards, accounting honestly for recycled content, or managing social impacts responsibly.

SCS-004, the Certification Standard for Responsible Chemical Recycling, is the first independent certification standard built for the chemical recycling sector. Developed through a multistakeholder process engaging chemical recyclers, brands, supply chain actors, and civil society, SCS-004 establishes rigorous, independently verified requirements across chain of custody and mass balance accounting, feedstock sourcing, energy intensity, atmospheric emissions, greenhouse gas accounting, life cycle assessment, water management, and human rights.

This session introduces SCS-004 to the advanced recycling community — what it covers, how it differs from existing schemes, and what certification requires in practice.

Learning Outcomes

Attendees will leave with an understanding of what SCS-004 requires across environmental and social performance criteria, and how it addresses the sector's most persistent credibility challenges, including energy intensity, mass balance transparency, and feedstock sourcing. They will gain clarity on how SCS-004 relates to and complements existing schemes such as ISCC PLUS. And they will hear directly from a chemical recycler on what responsible certification looks like from an operator's perspective.

Proposed Speakers

Victoria Norman, Executive Director, SCS Standards and Assurance Systems

Victoria is a veteran certification and quality assurance professional who works across a diverse range of voluntary sustainability programs in natural resources, sustainable agriculture, food safety and manufacturing. She has expertise in standard development and facilitation of stakeholder groups working toward consensus-driven outcomes, and has been leading the facilitation and development of the SCS-115 Standard for Product Carbon Intensity and Reduction for Chemicals and Co-products and the SCS-004 Standard for Responsible Chemical Recycling. Victoria is the Vice Chair of the US TAG to ISO TC 308 for Chain of Custody, is actively engaged in the development of Book & Claim and Mass Balance Standards, and is a member of the Fair Trade USA standards committee. Before joining SCS, Victoria held positions at the European Commission in Brussels and at ISEAL in London.

A representative of LyondellBasell, TBD