**Waste 2024 Conference Abstract Submission**

**(for face-to-face Conference which includes live broadcast)**

Inorganic Growth in the Organics Sector

*My presentation is relevant to the following topic area(s).*

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| [ ]  | **Aboriginal community waste management** (projects, results, planning, what else to be done) | [ ]  | **National waste policies & programs** (new schemes, opportunities & recent results) |
| [ ]  | **CDS** (new schemes, new containers, innovations) | [x]  | **Organics** (food only vs FOGO, implementation strategies, new services) |
| [ ]  | **Circular economy** (case studies, right to repair, trials, new materials targeted) | [ ]  | **Plastics** (plastics recycling, plastics recovery schemes, small and large scale plastics projects) |
| [ ]  | **Climate change** (new innovations, strategies & policies) | [ ]  | **Problem & hazardous waste** (asbestos, clinical & medical, illegally dumped hazardous waste, systems for managing hazardous materials) |
| [ ]  | **Collections** (innovations, new systems, vehicles, challenges) | [ ]  | **Procurement** (recent process developments, case studies, planning) |
| [ ]  | **Disaster waste management** (bushfires, floods, pandemic) | [ ]  | **Project Planning** (projects currently planned, challenges and barriers, planning controls and conditions, project management) |
| [ ]  | **Economics** (business cases, data gathering, planning for financial impacts, reviews & analyses) | [ ]  | **Product stewardship & extended producer responsibility** (current & planned schemes, new materials to be captured by schemes, local schemes for recovery) |
| [ ]  | **Education** (behaviour change, community engagement, social media, planning FOGO education) | [ ]  | **Recycling & resource recovery** (post China Sword, and export bans, market insights & updates) |
| [ ]  | **Energy from Waste** (projects, case studies) | [ ]  | **Regional issues** (regional responses to waste settings, collaboration, joint projects) |
| [ ]  | **Grants** (major waste grants, outcomes & processes) | [ ]  | **Social enterprise** (new entrants, recent endeavours, case studies) |
| [x]  | **Infrastructure & planning** (FOGO capacity, new material recovery planning) | [ ]  | **State based issues** (policies, strategies, responses & challenges, border transitions) |
| [ ]  | **Innovative projects** (sustainability innovations, artificial intelligence, case studies) | [ ]  | **Strategic waste planning & policy** (stakeholder engagement, strategy development, waste policy impacts and opportunities) |
| [ ]  | **Landfill & facility management** (facility operations management, strategic planning, facility budgeting) | [ ]  | **Technology** (innovations, must haves, how technology will improve or assist with waste responsibilities, AI) |
| [ ]  | **Legislation, regulations & levies** (major updates, monitoring & enforcement, response to changes in regulations) | [ ]  | **Tenders & contracts** (planning, implementation, contract management, innovations, systems & approaches) |
| [ ]  | **Litter & illegal dumping** (prevention, new management systems & innovative & smart initiatives, surveillance) | [ ]  | **Waste projects** (planned waste infrastructure, how to plan & scope, budgeting, understanding what is required, governance & process planning, case studies) |
|  |  | [ ]  | **Other** |

[ ]  **Proposed Panel Discussion** -Proposed topic & participants suitable for key issues that may be addressed by a Panel of presenters. For this category suggest your topic & who you will arrange to attend and present (maximum of 5 panel members).

**Presenter information**

**Presenter name:** Roslyn Florie-George

**Presenter position:** EGM Business Growth & Sustainability

**Presenter organisation:** SOILCO Pty Ltd

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**Biography: 150 words**

Roslyn joined SOILCO in 2022 and has more than 10 years of consulting and management experience in the Australian waste and resource recovery sector.

After completing her Bachelor of Civil Engineering and thesis in Waste Management, Roslyn joined MRA Consulting Group. Roslyn quickly gained a broad understanding of the industry and invaluable business development and people management experience as a consultant and as the firm’s Business Manager. She later joined REMONDIS, where she delivered strategic projects, prepared complex tenders and bids and managed landfill, transfer station and commercial collection operations in the ACT.

Roslyn is well respected in the industry as a professional, multi-disciplinary and motivated manager. Roslyn calls Canberra home but her experience and networks enable her to work nationally across SOILCO’s growing footprint. She is responsible for all organic and inorganic growth opportunities, marketing and ESG functions. Roslyn’s role in SOILCO’s Leadership Team has enabled her to combine her dedication to the industry with her passion for infrastructure, sustainability, soil health, and of course, her garden.

**Abstract Summary**

*Insert abstract summary here (max 100 words)*

This presentation provides a comprehensive overview of SOILCO's in-vessel composting (IVC) journey, spanning three unique builds and the design of new large-scale IVC facilities at some of SOILCO’s greenfield sites.

In 2016, SOILCO built its first two (2) IVC tunnels at its Kembla Grange Organics Recycling Facility. The project was supported by a NSW EPA Waste Less Recycle More Grant. The facility was designed to blend and process locally collected commercial food waste with domestic garden organics. After more than 42 years in business and 31 years of composting experience, this project represented a key step change in SOILCO’s infrastructure offering for local councils.

In 2021, SOILCO designed, approved and built the Tweed Organics Processing Facility (OPF) within two years of contract award. The operational site is licensed to receive 25,000 tpa of domestic FOGO through four (4) tunnels. It is now operating at capacity and receives material from Tweed, Kyogle and Ballina Local Government Areas.

In 2022, SOILCO commissioned four (4) new IVC tunnels at its Kembla Grange Compost Manufacturing Facility (CMF). Wollongong’s food and garden organics (FOGO) is now being processed locally, reducing the need to double handle material in preparation for processing regionally.

In 2024, SOILCO is successfully operating 10 IVC tunnels spanning three sites and is now preparing for the next iteration of tunnel technology and large-scale organics processing facilities.

This presentation highlights the lessons learned from SOILCO’s IVC experience to date. Each iteration of the technology has created challenges and opportunities that provide valuable insights for SOILCO and the industry more broadly. As SOILCO’s understanding continues to grow and feedstocks continue to change, SOILCO’s operational network keeps evolving. Key considerations in the evolution of each IVC solution includes environmental impacts, product quality, community feedback, regulatory compliance and cost. In addition to looking back at the lessons learned, the presentation will consider the place that IVC technology will likely play as more councils transition to FOGO in the future.