

Inquiry - Improving Queensland's Container Refund Scheme

Submission No: 9
Submitted by: Robin Davies
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Submitter Comments:

As the terms of reference for the Health, Environment and Innovation Committee to report to the Legislative Assembly by 21 August 2025 on Improving Queensland's container refund scheme include #2a - the final processing and utilization of recycled products, ensuring transparency and public oversight, I will be grateful to know if the following two items have or will be considered:

From 15 Dec 24 – The Flyover: TIMEPLASTIC RAW (a thermodynamic material that transforms under heat to create a durable, yet dissolvable polymer) & TIMEPLASTIC PLUS (An enhancement with calcium carbonate to increase strength and versatility suitable for a wider range of applications). A new kind of plastic that completely dissolves in water whether it's water bottles or shrink wrap and which can be programmed to dissolve at a precise time, whether it's in 60 seconds or 60 years. Timeplast holds 7 breakthrough patents with 4 granted by USPTO in material science, polymer manufacturing, industrial copolymerization & molecular shape with independent laboratory certification to ASTM water soluble standards. Timeplast is an alcoholic-based material which can make almost any conventional plastic that is 100% degradable after its use: the most difficult being plastic injection molding. A plastic that dissolves in water at a predetermined time is achieved by a process called dynamic copolymerization. The profit is around 50 US cents per pound weight at a price lower than any other fully bio-based plastic. Compared to today's water that contains conventional microplastic water with Timeplastics is safer to drink. The inventor & CEO is environmental engineer Manuel Rendon a former Pepsi Company executive who has already partnered with Nestle Waters North America (Shrink wrapping technology) and Hello Bello (bath & beauty products). Timeplast has teams based worldwide – Spain, India, Mexico, Italy, Columbia.....See <https://www.timeplast.com/> From Nature 04 February 2025: A UK company has launched a first-of-its-kind facility that uses high-pressure superheated water to break down mixed and contaminated plastics. The process, more efficient than conventional methods, transforms previously un-recyclable waste into raw materials for new plastics, producing half the carbon emissions of incineration.....See <https://muratechnology.com/> Thank you, RADA UK company has launched a first-of-its-kind facility that uses high-pressure superheated water to break down mixed and contaminated plastics. The process, more efficient than conventional methods, transforms previously un-recyclable waste into raw materials for new plastics, producing half the carbon emissions of incineration.