Submission
No 264

INQUIRY INTO PROPOSED ENERGY FROM WASTE FACILITIES

Organisation: Agri-Farmacy Pty Ltd

Date Received: 31 October 2025

My submission is focused on the elimination of PFAS from waste, through the Organic Carbonisation Systems (OCS) invented and developed by Waste Circology (Jihany Pty Ltd).

I oppose the thermal treatment of waste as proposed by the NSW Government through the EPA. A major concern for communities throughout NSW is the increasing exposure to PFAS. The proposed thermal reactor treatment of waste in regional centres, does not mitigate or eliminate PFAS, in solids or emissions.

The arguments that the reactor (incinerator) process proposed by Veoila is safe, that the emissions are negligible, is based on incomplete science, ignoring recent innovative technologies that are more effective resulting in sustainable products without toxic emissions. The experiences in European countries reveal catastrophic environmental and human health damage. Veolia does not have "state-of-the-art" world leading technology.

Attached are two laboratory reports dealing specifically with analysing the results of OCS treatment of sewerage biosolids.

The "Biochar 'Totals' Analysis Report" (30 May 2023) details an in-depth analysis of "extended PFAS" All PFAS substrates reported less than 0.0001 mg per kg. Two exceptions to this are Perfluorobutanoic acid (PFBA) at 0.0010 mg per kg, and Perfluorobutane sulfonate (PFBS) at 0.0002 mg per kg. Both results are below the Australian Government's Department of Industry, Science and Resources standards for testing Per- and Poly-fluoroalkyl substances. For PFBA, 0.01 mg per kg, and PFBS, 0.005 mg per kg for biosolids.

The second report deals with PFAS gas testing (18 February 2025). Thes tests were conducted during the processing of sewerage biosolids provided by Sydney Water. All gas sensors recorded all PFAS sub-striates less than the "level of reporting".

Waste Circology (Jihany Pty Ltd), is world leading in the field of reducing waste to usable high-grade carbon, eliminating or reducing toxic chemicals and heavy metals to less than Australian and international standards. Organic Carbonisation Systems (OCS). The focus on the production of Biochar and Synchar for use in sustainable long lasting applications in agriculture, reclaiming degraded landscapes, and numerous industries is unique in managing waste as a resource, not something to be burnt to produce an unsustainable energy source.