

Our Environmental Stewardship



Effluent & Water Discharge

Why It Matters

Proper management of effluent and water discharge is critical to safeguarding shared natural resources, protecting surrounding communities and ensuring full compliance with environmental regulations.

OUR APPROACH

Treating POME is a critical part of FFB processing, as untreated effluent can have significant environmental impacts. To protect water quality and minimise environmental risks, we implement stringent internal controls and advanced monitoring to manage the biochemical oxygen demand (“BOD”) of effluent.

Our approach integrates natural and technological solutions. Several of our mills have installed advanced Tertiary Effluent Treatment Plants (“TETPs”), which treat effluents to the highest standards before discharge, while other mills are upgrading their systems in preparation for anticipated stricter regulations from Malaysia’s DOE. Ponding systems complement these technologies by harnessing biological processes to naturally break down pollutants over time.

Rigorous testing underpins our approach, ensuring all mills consistently comply with regulatory limits – <100 milligrams (“mg”) per litre (“ℓ”) BOD in West Malaysia and <20 mg/ℓ BOD in Sarawak and Sabah – with actual measurements consistently well below these thresholds.

During the year, the Cenergi Lawiang 1.2 MW Biogas Power Plant in Bukit Lawiang, Kluang, Johor was commissioned. Developed in partnership with Cenergi RE, this facility captures methane from POME, reducing GHG emissions while further improving effluent BOD before discharge into the flatbed system.

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OUR PERFORMANCE

BOD Measurement Data (mg/ℓ)

Over the past three years, our mills have consistently maintained BOD levels within regulatory limits in both East and West Malaysia.

