



FRIDAY ENVIRONMENT FORUM

NPA Environment Centre

28 July

Water Treatment in the Future

This week at Friday Forum – 28 July: Guest speaker will be **Howard Rose**, a retired civil engineer and economist who spent his career working in the Australian water industry in Darwin, Canberra and Melbourne. Since his retirement, Mr Rose has been an active member of the City of Monash's Environment Advisory Committee and has consulted to MBD Energy on potential applications of **algal bio-remediation to the Australian water industry**.



Aerial view of Pacific Reef Fisheries plant

Excessive nutrient levels in freshwater, estuaries or the ocean can have adverse impacts on public health, the environment and the economy. Environmental regulation has seen increasingly strict limits placed on industry and water authorities regarding the discharge of nutrients to receiving waters.

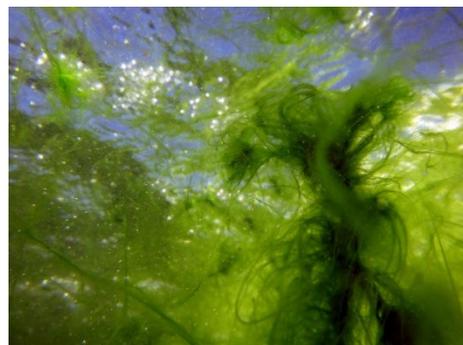
In 2006, the Great Barrier Reef Marine Park Authority required any new prawn farms in the vicinity of the reef to limit nutrient levels in discharge waters to at or below the levels in intake waters.

As a consequence, no new permits were issued for prawn farms until 2016, when MBD Energy's innovative bioremediation technology applied to Pacific Reef Fisheries' operations proved that nutrient compliance criteria could be reliably met. The MBD technology has added advantages in that it is low energy and low emissions, and produces a potentially valuable algal biomass.

This technology has potential application to Australia's water industry, by reducing nutrient levels in treated sewage before it is discharged to waterways or bays. A two-year pilot was successfully trialled at the Townsville City Council's Cleveland Bay Wastewater Treatment Plant and MBD has been investigating opportunities to apply their technology to sewerage treatment plants in NSW and Victoria.

All are invited to come along to hear more about water treatments of the future at the Environment Centre, 5 Wallace Drive Noosaville on July 28. The forum starts at 10.30am, but coffee and a chat are on offer from 10am. Forum ends 12:15pm. For those interested in an interpretive birding walk before the forum, meet Valda in the Environment Centre car park at 8.30am.

All welcome.



Algae