



## Lise Bolton

### Senior Environmental Engineer and Company Director

*Master of Engineering with Advanced studies in Environmental engineering*

*Bachelor of Applied Science (Environmental Resource Management)*

*Member of Engineers Australia, Irrigation Australia, Australian Water Association*

Lise is the managing director and senior environmental engineer at Ecoteam. She has experience in designing a range of treatment systems for water, wastewater and stormwater, with a focus on adsorption technology and bioremediation for contaminant removal. Lise has designed a number of large centralised wastewater treatment systems in Australia and Borneo. She is highly skilled in the assessment and remediation of contamination, including environmental monitoring & reporting. Lise is also an accredited irrigation designer and has designed a number of small scale and large scale irrigation fields on a range of project sites.

#### **Environmental Consultant & Environmental Engineer at Ecoteam**

*2006 – Present*

Lismore, NSW ([www.ecoteam.com.au](http://www.ecoteam.com.au))

#### **Position Duties**

- Design and modelling of water, wastewater, stormwater and leachate treatment systems;
- Design of constructed wetland treatment systems;
- Wetland health assessments
- Field assessments and reporting for environmental studies;
- Water quality monitoring and assessment;
- Water quality environmental management plans
- Contaminated land assessment and remediation;

#### **Key Projects**

- Design of Orana Haven village scale wetland sewage treatment and effluent reuse system.
- Detailed design of wastewater treatment system for orangutans with Tuberculosis, East Kalimantan, Indonesia.
- Assistance in operation, maintenance and upgrade of water and sewage infrastructure in three remote communities.
- Design and modelling of stormwater treatment system for Byron Bay Sports and Cultural Centre.
- Development of drinking water treatment options for remote aboriginal communities
- Site supervision, sampling and assessment of contamination of underground storage tanks and service station infrastructure.
- Development of leachate treatment and surface and groundwater monitoring plans for Mara Seeds biochar and composting project
- Design and modelling of Brisbane Airport leachate treatment system
- Development of an activated biochar phosphorus filter

#### **Publications and Theses**

- Bolton, L and Bolton, K. 2013. Design, construction and performance of a horizontal subsurface flow wetland system in Australia. *Water Science & Technology* 68, 9.
- Bolton, L. An investigation into the suitability of an enhanced biochar substrate for phosphorus removal in a horizontal subsurface flow wetland. Master's Thesis. Griffith University.