



## 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 Bolton is a company director and a principal environmental consultant at Ecoteam. She has extensive experience in water quality monitoring, analysis and reporting. Lise specialises in the modelling and design of pollutant removal systems for stormwater and wastewater using water sensitive urban design (WSUD) principals and constructed wetland technology. She has a strong understanding of pollutants dynamics in natural systems and performs wetland health assessment in natural and constructed systems. She is skilled in the assessment and remediation of contamination of soil, water and air. Lise has exceptional project management skill and has performed the management role of large water monitoring and treatment projects within the company.

2006 – **Environmental Consultant & Environmental Engineer at Ecoteam**

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

(9 years)

#### 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 and modelling of Brisbane Airport leachate treatment system
- Baseline surface and groundwater water quality investigation for the Bentley community.
- Wetland health assessment Water quality monitoring of construction and operation of Casino Rail Terminal Project.
- Development of leachate treatment and surface and groundwater monitoring plans for Mara Seeds biochar and composting project
- Water quality testing and management actions for Remote aboriginal community water and sewage infrastructure maintenance program.
- Design and modelling of stormwater treatment system for Byron Bay Sports and Cultural Centre.
- Detailed design of wastewater treatment system for orangutans with Tuberculosis, East Kalimantan, Indonesia.
- 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 at Tenterfield Service Station.
- Site supervision, sampling and assessment and groundwater monitoring bore installation and phase 1 contamination instigation for Nimbin Service Station.

#### 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.