

# Summary of Linkage Projects Applications for Funding to Commence in 2006

## New South Wales

### Southern Cross University

**LP0667449** Dr BD Eyre; Dr L Davison; Mr D Pont

**Approved Project Title** **Unravelling Nitrogen Cycling Pathways in Constructed Wetland Wastewater Treatment Systems using Stable Isotope Tracers, Biomarkers and Mass Balance Modelling**

**2006 :** \$77,000

**2007 :** \$77,000

**2008 :** \$77,000

**Primary RFCD** 2911 ENVIRONMENTAL ENGINEERING

#### **Partner Organisation(s)**

EcoTech Group

Richmond Valley Council

**Administering Institution** Southern Cross University

#### **Project Summary**

This project will have a significant impact on the way wetland wastewater treatment and reuse (WWTR) facilities are constructed in the future. Addressing the key biochemical issues to WWTR systems this study will facilitate improved construction design and management to optimise treatment performance. As National Priority One Area, sustainable water use and the efficiency of WWTR systems is fundamental to our economic and social development. The results gleaned from this study will assist in the future design of WWTR systems that will be transferable outside the local study area and as such be of potential benefit both Nationally and internationally.