

## **Industrial Reuse of by-product - Reuse of Gypsum from CSBP to Alcoa**

CSBP produced gypsum, calcium sulphate, as a by product of the manufacture of phosphoric acid. This material was stockpiled at CSBP's Wellard Road site during the 1980's. Some 1.3 million tonnes is stored at the site. CSBP has extensively reviewed reuse options for this material including the use in plasterboard, sale to farmers, and use in soil amendment. During this research process, it was determined that the material could be utilised by Alcoa to assist in plant growth and soil stability in their residue areas. Alcoa continues to take this material on an ongoing basis, approximately 10 000 tonnes each year.

CSBP has also developed a process for mixing gypsum, lime and other products to form soil amendment products for various uses. These products meet all agricultural standards for use. We anticipate that our partner Manna Holdings will be working on the Wellard site late in 2004 and the process will potentially utilize 20 000 tonnes of gypsum per year. These initiatives have economic and environmental benefits through the diversion of gypsum from disposal to landfill and extending the value of this by-product.

The Wellard Road site which, contains a wetland, is adjacent to a CALM conservation estate. The CSBP Wellard Road site will eventually become part of this estate.