

CSBP receives a four out of five rating for its outstanding water management systems

Water Corporation through its Key Customer Relationship Management program (KCRM) has developed a range of partnering initiatives with key customers aimed at improving their water management process.

To date 138 customers have participated in the diagnostic sessions and the ongoing support programs.

CSBP Limited is one of the selected customers in the KCRM program and a success story.

Water is critical to the continued success of CSBP Limited, a major supplier of chemicals, fertilisers and services to the Western Australian agricultural, mining and processing industries for more than 90 years.

CSBP Environment and Manufacturing Support Manager Cameron Schuster says a focused program of partnerships and innovative sustainable solutions, has led CSBP to implement engineering, technological and behavioural change, leading to significant reductions in water usage.

The result is an 80 per cent reduction in its scheme water consumption since 1999, the reuse of approximately 20,000 kL/year of water internally on site and a management framework to develop further water saving initiatives.

The Company has diversified supply by using Kwinana Water Reclamation Plant (KWRP) water; which has helped to limit the use of scheme and bore water.

It has also established partnerships with industries and applied the principles of industrial ecology by finding new sources of water, continuing to improve water reuse on its sites, remediating contaminated groundwater and reducing contaminated discharges.

"CSBP has an environmental management system aligned to ISO 14001, which identifies its environmental risks and priorities, including water," Mr Schuster said.

"Every 12 months each business unit submits an environmental action plan to management outlining actions with defined time frames and responsibilities. Water management also comes into every aspect of decision making for new projects and plant modification."

Solutions-based action plan

CSBP applies the principles of recycling and reuse in all aspects of its business, including reusing wastewater within and between its plants. This move reduces the discharge of wastewater to the environment and use of scheme and groundwater.

The Company is also heavily involved in research and interaction within the Kwinana Industries Council (KIC), through which by-products, including water, are reused by industrial neighbours.

Mr Schuster said to assist the Water Corporation with the development of its diagnostic One-2-Five water auditing program, CSBP participated as an industry test case.

"The auditing program is now working across local industries and CSBP recently received a four out of five rating for its water management systems. It was only one of two industrial companies in Australia to achieve such a high rating," he said.

"CSBP has also adopted a "right water right purpose" approach to ensure that appropriate grades of water are used onsite. The move has led to significant onsite water reduction, reduced chemical treatment in cooling towers and reduced metal load to Cockburn Sound."

Future initiatives

As part of CSBP's multifaceted approach to working with sustainable solutions for water management, the Company has developed a nutrient-stripping wetland to reduce the amount of nutrients in its effluent. It has also conducted research around the world to find the best available technology for groundwater management.

The development of the wetland, combined with a commitment to improve water use management and chemical

discharge into the environment has resulted in improved performance which will continue as part of CSBP's business operations.

Water Corporation Relationship Manager Max Viskovich said CSBP is a foundation customer of KWRP.

"The Company has a commendable record of achievement in minimising the demand on the State's drinking water supplies through continuous improvement of water management and optimisation of diversified water sources," Mr Viskovich said.



CSBP's Managing Director, Keith Gordon (right) is joined by WA Water Corporation Business Relationship Manager, Max Viskovich (left) and WA Water Corporation Business Development Manager, Ross Mignacca (centre) at the KWRP Valve Turning Ceremony.



CSBP Environmental Adviser Digby Short takes a sample from the company's pilot nutrient-stripping wetland

For more information on being Waterwise in your business, please visit www.watercorporation.com.au or contact Max Viskovich on (08) 9420 3881