

AUTO SAMPLING SYSTEM FOR POLLUTION CONTROL



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*70th Annual Water Industry Engineers and Operators' Conference
Bendigo Exhibition Centre
4 to 6 September, 2007*

A Note from the Conference Organisers

A number of us “Ozzies” were fortunate to attend a conference in Queenstown in May 2007 organised by our brothers from the other side of the “ditch” - the Water Industry Operations Group of New Zealand (WIOG NZ). As with WIOA events we met some great people, looked over the trade displays, listened in to the many excellent papers presented and networked well into the night.

At the Thursday dinner, a number of awards were presented. The biggie for the night – the “Inaugural NZ Operator of the Year Award” was presented to a likeable larrikin from Rotorua by the name of Ken Jones. We were fortunate to gain a sneak preview of the application submitted by his employer and Ken is indeed a very deserving winner.

Part of the Operator of the Year prize includes an all expenses paid trip to attend the Victorian conference and Ken and a number of other Kiwis have made the trek across the Tasman to join us this year. We really do enjoy their company and we’re sure that everyone will make the Kiwis feel most welcome.

One very memorable (and entertaining) part of the NZ conference was listening to the paper presentation by Ken about managing a trade waste issue in his home city of Rotorua. It was really refreshing to hear a “nuts and bolts” account of an operator tinkering his way through, and then finally rectifying, a problem. Ken’s obvious nerves but down to earth approach to the task and the way he presented the info had us in stitches of laughter a lot of the time. We decided to take the opportunity to invite Ken to present his paper again in Victoria, and we trust you’ll enjoy it as well.

A full manuscript was not required for the Kiwi event and at pretty short notice, Ken provided us an abstract outlining his paper content.



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ABSTRACT

Due to illegal trade waste discharges from some of the industry around Rotorua to the sewers, grab samples were collected but relied on the honesty of the industry to not discharge illegally. Therefore a simple and cost effective continuous sampling system had to be designed and built to monitor the discharges of the industries.

Design concepts were trialed and modified until we had a new system working well with minimal maintenance, tamperproof, refrigerated, with true discharge representation. The client now thinks twice before dumping untreated effluent. The PLC Program available on request.