



Project Sheet

Provision of Training in Technical Course – Johannesburg Water

LOCATION: Johannesburg, Gauteng, South Africa

CUSTOMER: Johannesburg Water

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STATUS: Ongoing **DURATION:** April 2012 to July 2014

DESCRIPTION

WRP was recently appointed by Johannesburg Water to provide Specialist Training in the area of Pressure Management of Municipal Water Reticulation Systems. This is the largest training contract awarded in South Africa for Water Demand Management training and will involve the training of 450 technical personnel and water managers over a 2 to 3 year contract period. The training will include three separate modules each of which will be presented over a 3-day period to 15 attendees at a time. The attendance is limited to 15 to ensure that everyone can receive individual attention due to the practical nature of some of the modules. The three modules being presented include:

- **“The Basics and Concepts of Advanced Pressure Control”** which is presented by Dr Ronnie Mckenzie and supported by Brad Astrup
- **“The servicing and Operation of Pressure Reducing Valves”**, presented by Niel Meyer and supported by Andre Booyens
- **“The Basic Design Principles for Municipal reticulation Systems”**, presented by Willem Wegelin and supported by David McConville.

The training modules commenced in April 2012 and will continue until July 2014.

RESULTS

The initial response has been extremely positive and the interaction between the Johannesburg Water personnel and the course presenters has been excellent. Many key problems have been clearly identified within the first few months of training. It has already been established that the water pressure supplied in many parts of Johannesburg is well above normally acceptable limits due to problems with almost 500 pressure reducing valves which are either inoperative or have not been maintained or set properly. Through the training initiative, it is anticipated that Johannesburg Water will reinstate all pressure reducing valves in the reticulation system and in so doing, drive down their non-revenue water by up to 15%. The total budget for the training is over \$1 million.

