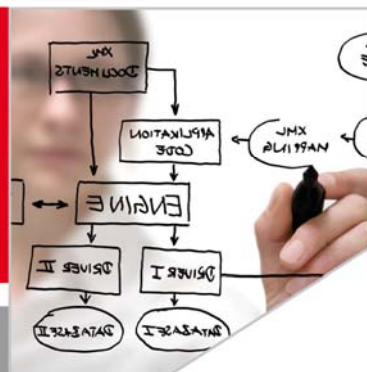


Perth's Groundwater Replenishment Trial

Palenque Blair, Senior Environmental Engineer, Water Corporation

Society for Sustainability and Environmental Engineering



EVENT DETAILS

Date:

Thursday, 18 August 2011

Time:

5.30 pm for a 6.00 pm start

Venue:

Auditorium
Engineer Australia
West Perth

Cost:

Students \$5.00
SSEE & EA Members \$10.00
Non Members \$15.00

RSVP:

By 12 noon Wednesday, 17 August [online](#)

SUMMARY

The Water Corporation is working on a number of options to secure water supplies to meet increased demand due to population growth and a drying climate in Western Australia. Groundwater replenishment is one of these options. Groundwater replenishment is the process by which secondary treated wastewater undergoes further, advanced treatment to produce water that is of drinking water quality and suitable for recharge to groundwater. This has the potential to supplement Perth's drinking water supplies. Recharge of recycled water began in November 2010 and will continue until the end of 2012 to test whether groundwater replenishment is a viable option for Perth.

This presentation will provide an overview of the Trial through focusing on:

- How groundwater replenishment fits into the Water Corporation's 50 year plan.
- Environmental and sustainability benefits of groundwater replenishment and related challenges that led to the Trial.
- The Advanced Water Recycling Process and associated water quality parameters.
- Plant and groundwater monitoring and results to date.
- Policy and regulation development.
- The community engagement strategy which aims to raise awareness and build robust discussion about groundwater replenishment in order to foster community support for recycling water and it's potential as a future water source, and results to date.
- The future of ground water replenishment in Perth and potential future recharge options.

ABOUT THE SPEAKER

Palenque Blair is a Senior Environmental Engineer with the Infrastructure Planning Branch of the Water Corporation. Palenque has worked on the Water Corporation's water recycling strategy and research since 2003. Since 2006 Palenque has focused on water recycling via aquifer recharge for indirect potable water supply with the development and review of the Groundwater Replenishment Trial.

RSVP by 12 noon Wednesday, 17 August [online](#)



→ 2011 year
of
humanitarian
engineering

712 Murray Street, West Perth WA 6005
Phone: (08) 9321 3340 • Fax: (08) 9481 4332
Website: www.engineersaustralia.org.au/wa

