



BIRD IN HAND

WASTEWATER TREATMENT PLANT UPGRADE PROJECT

Welcome to our fourth newsletter. This instalment will provide you with a progress update on the upgrade of the Bird in Hand Wastewater Treatment Plant (treatment plant). This upgrade is designed to increase the capacity of the treatment plant to cater for predicted growth over the next 25 years and create benefits for the local Dawesley Creek and surrounding environment.

Since the last newsletter, construction of all building and process structures has been completed, and electrical and mechanical fit out of the structures is substantially underway. This newsletter will provide details on what works have been completed, what works are underway, and where to next.

BIRD IN HAND WASTEWATER TREATMENT PLANT UPGRADE PROJECT

CURRENT STATUS

Construction of all major buildings and process structures has now been completed, including:

Bioreactor – Used to reduce nutrients in the wastewater

Clarifier – Used to separate the liquid from the solid material through a settling process

Digester – Uses microorganisms to break down the biodegradable material

UV disinfection structure – Uses UV light to further treat wastewater

Installation of mechanical and electrical plant associated with each of these structures is also nearing completion.

Earthworks for the 50 megalitre covered recycled water storage are almost complete, with the cover on schedule to be installed during June. Once operational, this storage will help SA Water achieve our commitment to limit discharge to Dawesley Creek during the summer period.

Over the next few months, work will be focused on final mechanical and electrical fit-out of all completed building and process structures, and preparing for commissioning of the treatment plant.



Treatment plant viewed from the west



Dewatered sludge storage



Bioreactor lanes

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RECYCLED WATER PIPELINE

The recycled water pipeline that will enable recycled water to be transferred between the treatment plant and surrounding properties for pasture and lucerne irrigation has been completed. Under construction since November 2010, the recycled water pipeline has been laid primarily within road reserves but in some locations on private property. The pipeline is scheduled to be connected to the treatment plant late in 2011 following commissioning.

LOCAL MP VISIT

On Saturday 12 February Mark Goldsworthy MP, Member for Kavel visited the treatment plant site. Mr Goldsworthy was joined by representatives of the Adelaide Hills Council and the District Council of Mount Barker, and members of the Dawesley Creek Landcare Group.



Reuse water storage lining



Reused water storage lining completed



Member for Kavel Mark Goldsworthy (centre) visits site

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PROJECT DELIVERY SCHEDULE

Construction for the upgrade started in April 2010 and is running to schedule. The process of commissioning the plant is expected to start in June. Below are the timeframes for each section of work.

Structures and site works	Started April 2010 and continuing
Recycled water main	Started October 2010 and continuing
Mechanical installation	Started October 2010 and continuing
Electrical installation	Started January 2011 and continuing
Treatment Plant commissioning	Expected start end June 2011

It is anticipated that the new treatment plant will be operating by the end of 2011 with balance of remaining construction works complete by mid 2012.

MORE INFORMATION

If you have any questions about the project please contact us:

- **Phone** the SA Water Customer Contact Centre on **1800 812 362**
- **Email** birdinhand@sawater.com.au

For more information about this and other SA Water projects log on to www.sawater.com.au

