

Wastewater Treatment

# Cleaner seas for Margate and Broadstairs



*The tunnel-boring machine is lowered into position*

Work is continuing on Southern Water's £80 million environmental improvement programme to bring even cleaner seas to Margate and Broadstairs in line with UK and European legislation.

Archaeological investigations began in May 2005 and construction work started in July. The scheme is expected to be operational by the end of 2007. Since our last update in June, work has progressed well at all the major locations and the construction of new underground pipelines, to transport wastewater, is well under way.

### *Pipelines*

Southern Water is installing two-parallel 11km pipelines, which will link Foreness Point, Margate, with a new wastewater treatment work at Weatherlees. The installation of the new pipeline, using open-cut methods, started in July. To date, new pipes have been laid from:

- Broadley Road to Sloe Lane
- Star Lane towards Manston Road, and up to the boundary of the airport
- Canterbury Road West to Cottington Road.

A section of pipeline across the pitch and putt course at Palm Bay Avenue will begin shortly. Further work to install valves along the pipeline route will take place later.

Tunnelling to lay the pipelines in more sensitive locations has begun and the occasion was marked by a ceremony to name the tunnel-boring machine "Crystal" and send it on its underground journey.

Local schoolgirl Georgia Penney, from Newington Junior Foundation School in Ramsgate, won the competition to name the machine and also received a £1,000 donation for her school from Southern Water and Black & Veatch/Costain.



*Local schoolgirl Georgia Penney won the competition to name the machine*

Tunnel access shafts, 9 metres in diameter, have been constructed in:

- Broadley Road
- Sloe Lane
- Star Lane
- Construction of a fourth shaft in Palm Bay Avenue will begin before Christmas.

The first section of tunnelling will take place between Sloe Lane and Star Lane and, once complete, the machine will be removed and lowered into the shaft at Broadley Road, from where it will tunnel through to Palm Bay Avenue.

The installation of a pipeline, which will link Southern Water's existing headworks at Broadstairs and Margate is scheduled to begin shortly. The first section to be laid is between the Margate headworks and Neptune Tower.

The pipeline installation is due to be complete by April 2006.

#### *Work at Margate Wastewater Treatment Works*

Construction work at the existing treatment works at Foreness Point began in May and the first part of the demolition of the existing headworks is now complete.

Southern Water is refurbishing the works so that it can store nearly 12 million litres of stormwater – that is water running off roofs and roads – during periods of heavy rain. Work has started in preparation for the construction of the additional storage facilities.

#### *Work at Weatherlees Wastewater Treatment Works*

A new wastewater treatment works is being built alongside the existing works at Weatherlees. Preparation work has started, including diverting various utility

services that serve the site. Work on the foundations for new tanks is under way and work is expected to continue until spring 2007, with commissioning of the plant continuing until later that year.

#### *Archaeology and Environment*

Wessex Archaeology has unearthed various artefacts from the Roman, Bronze Age, Iron Age and Medieval periods. These include a Roman gravesite and a medieval bread oven. They will continue a "watching brief" along the pipeline route and other locations during construction.



*Excavation of a Roman gravesite as part of archaeological investigations*

#### *Forum Group*

To date, four Forum group meetings have been held where members of the project team from Southern Water and BVC meet with representatives from the local community to provide updates on the scheme and address any concerns they may have.

#### *Contact us*

For further information or if you have any queries or concerns, please call the project office 01843 824600 or Southern Water's 24-hour **Customer Service Centre** on 0845 278 0845

Alternatively, you can view information and make comments on Southern Water's website.



Telephone:

**0845 278 0845**

[www.southernwater.co.uk](http://www.southernwater.co.uk)