

BENEFITS

- Saved 3,500m³ in 6 months
- Saved over 1000L per day via water recycling
- Collaboration with the Environment Agency
- Combined with other innovation to enhance benefits



INV00237
Connaught Tunnel (C315)
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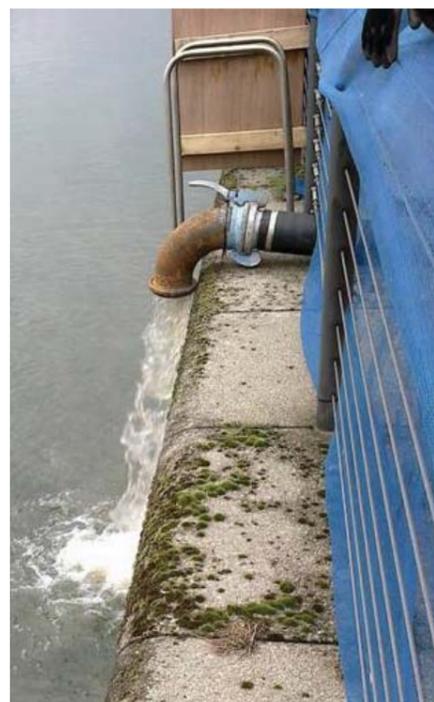
In Collaboration with:



MOTIVATION FOR INNOVATION

Thames Water announced water restrictions starting from April 2012 during a period when Connaught Tunnel (C315) required extensive water usage for activities including grouting, tunnel cleaning and damping down a site of over 10,000m². These water restrictions may have been a risk to the programme.

Connaught Tunnel were dewatering into the Victoria dock as directed by the Environment Agency. The solution was to use this water in agreement with the EA as it was not considered to be discharged surfacewater or an abstraction of groundwater.



Dewatering activity at Connaught Tunnel - pre April 2012

Connaught Tunnel water used for dust suppression



ADDITIONAL INFORMATION

A water meter was also connected to measure the water saved by using the sumps within the tunnel works (drilling and flushing), and approximately 2,675m³ was saved.

Additional savings were made by modifying the method statement by reducing the total requirement of water needed for mixing and cleaning. As such were able to achieve 100% water recycling rate.

For dust suppression on site, water bowsers were used, filled from tunnel water. During the Olympics shutdown, they used the [dust suppression innovation \(INV00032\)](#) so no water was needed to dampen down the site for 2.5 months further saving more water.

FOR MORE INFORMATION OR TO SHARE YOUR INNOVATIONS VISIT:

<http://www.innovate18.co.uk>