Currently, untreated sewage regularly overflows into the River Thames from London’s Victorian sewerage system via combined sewer overflows (CSOs). The proposed Thames Tunnel would intercept these overflows through the use of a new storage and transfer tunnel, which would link west London and Abbey Mills Pumping Station. The sewage flow would then be transferred to Beckton Sewage Treatment Works via the Lee Tunnel. The reduction in untreated sewage entering the River Thames would bring long-term benefits for the environment and users of the River Thames.

Key facts

Local authority: Wandsworth
Site type: formerly a CSO*

*The interception of Jews Row – Wandle Valley Storm Relief CSO and Jews Row – Falconbrook Storm Relief CSO at the site known as Jews Row is no longer required.
Introduction

What we proposed at phase one consultation

At phase one consultation, which was held between September 2010 and January 2011, we identified the need to connect the existing local CSOs, known as Jews Row – Wandle Valley Storm Relief CSO and Jews Row – Falconbrook Storm Relief CSO, to the main tunnel. We proposed to use the concrete batching plant at Piers Terrace, off Jews Row for this construction work and to accommodate permanent structures required to operate the main tunnel. The location of our preferred site at phase one consultation, Jews Row, is shown in Figure 1A.

What we are proposing at phase two consultation

Since phase one consultation, we have updated our model which predicts future overflows from CSOs into the River Thames with the results of detailed surveys of the existing sewer connections. Modifications to the existing sewer system have also been undertaken and the improvements incorporated into the model. Further modelling has established that these changes are sufficient to address the sewage spills at this location. As such, this site is not being given further consideration as part of the phase two consultation, and no works are currently proposed.

Site glossary

<table>
<thead>
<tr>
<th>Term</th>
<th>Definition</th>
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<tbody>
<tr>
<td>Combined sewer</td>
<td>A single sewer system that takes both rainwater and domestic and industrial wastewater.</td>
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<tr>
<td>Combined sewer overflow (CSO)</td>
<td>A structure, or series of structures, that allows sewers to overflow into the river when they are full as a result of increased rainfall. Without the overflows, the sewers would back up and cause flooding in streets or houses.</td>
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<tr>
<td>Main tunnel</td>
<td>The tunnel from Acton Storm Tanks to Abbey Mills Pumping Station.</td>
</tr>
<tr>
<td>Thames Tunnel project</td>
<td>The Thames Tunnel project comprises a storage and transfer tunnel, from west London to Beckton Sewage Treatment Works in east London, and the control of 34 CSOs along the Thames Tideway.</td>
</tr>
</tbody>
</table>

Further information on our proposals can be found on our website (www.thamestunnelconsultation.co.uk) or is available upon request (call our customer centre on 0800 0721 086).
Figure 1A: Jews Row location plan
Phase two consultation: Jews Row

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For further information or to comment on our proposals see our website: www.thamestunnelconsultation.co.uk

It is very important that you understand the information we have provided. If you need further information in another language, braille, large print or audio format please contact us on 0800 0721 086.