

## CASE STUDY



### Acton Manhole Media Change for Thames Water Utilities Ltd



#### What was the problem?

Replace media in nine drain manhole Odour Control Units.

Odour complaints were received from local residents resulting in investigations of Odour sources. OSIL performed a site survey to establish the best and most cost-effective solution for the client.



#### How did OSIL approach the challenge?

Remove OCUs from manholes and replace media in a safe manner.

Seal units to prevent leakage of odours.

Replace inefficient woodchip media with CuCarb© Carbon pellets.

OSIL made the area safe around each manhole using safety cones and safety barriers.

Manhole covers were removed using T bars. Two people were utilised to comply with manual handling procedures.

OCU 'pods' were manually removed. Covers were removed from the pods and the spent woodchip media was removed manually and disposed of in a suitable skip.

New CuCarb© Carbon media was manually installed in each pod.

Covers were replaced and the units were carefully lowered into position in each manhole. Gaps around the units and the manhole were sealed with expanding foam.



Manhole covers were replaced.

Two of the manhole covers that were positioned on the road onsite were too firmly fixed to be lifted manually as traffic had caused them to be tightly wedged in the manhole. In these cases, OSIL gained permission to use a telehandler and driver that were onsite to help with the lifting procedure.



### How did the Client win?

CuCarb© Carbon media is a much more efficient and proven media for the removal of odours emitted from the drains.

All OCUs are now sealed in the manholes to reduce the possibility of escaping odours to atmosphere.

At the next media change, media can be recycled, providing a more environmentally friendly solution.



Installation Photographs:

**Before**



**After**





## Testimonial

*“Thank you very much for addressing the odour issue at Acton SPS and installation of the replacement activated carbon media on 9 manholes.” Tofiq Ganjiyev– Thames Water*



## Downloadable content

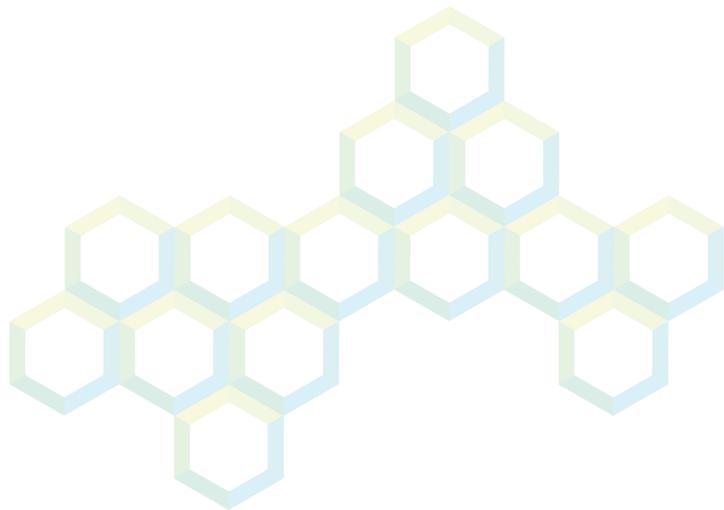
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