



# Application for Development Consent

Application Reference Number: WWO10001

## Examining Authority's Second Written Round of Questions and Requests for Information

### Supporting Appendices

#### Inefficiency of Barging at Abbey Mills

Doc Ref: **APP59.22.03**



## APP59.22.03 - Inefficiency of barging at Abbey Mills

- A.1.1 The production of figure A.1 was undertaken with the following assumptions
- a. Vessels are 85% loaded
  - b. Based on 4 x 350t barges per day from Abbey Mills
  - c. Working method of 1tug/1barge for Bow Creek
  - d. Tug Crew assumed to be 4 persons Master/Mate/Engineer/Bargeman. plus an extra crew for A/L, sickness etc.
  - e. Motorised vessel at Chambers Wharf is assumed to have 2300t carrying capacity with a crew of 5 persons, Master, Mate, Engineer, and 2 deckhands plus an extra crew for A/L, sickness etc.
  - f. 16t HGV loads
  - g. 1 HGV carries 3 loads/day

**Figure A.1 Table comparing the efficiency of material moved per man**

Site	Material Production per week	Amount removed by River	Amount removed by Road	Resource required	HGV's required/week	HGV drivers	Total transport resource	T/man
Abbey Mills	80m/week	8330t	1400t	84	88	29	113	86
Chambers Wharf	9730t	8757t	973t	30	61	20	50	194
	200m/week							
Abbey Mills		8330t	18080t	84	1130	377	461	53
Chambers Wharf	24330t	21897t	2433t	80	152	51	131	186

## Appendices

---

- A.1.2 The information demonstrates that Chambers wharf is more than twice as efficient than Bow Creek for the removal of excavated material at the long term average rate.
- A.1.3 At the higher output rate of 200m/week Chambers Wharf increases to three and a half times more efficient than Abbey Mills.

## Copyright notice

Copyright © Thames Water Utilities Limited January 2014.  
All rights reserved.

Any plans, drawings, designs and materials (materials) submitted by Thames Water Utilities Limited (Thames Water) as part of this application for Development Consent to the Planning Inspectorate are protected by copyright. You may only use this material (including making copies of it) in order to (a) inspect those plans, drawings, designs and materials at a more convenient time or place; or (b) to facilitate the exercise of a right to participate in the pre-examination or examination stages of the application which is available under the Planning Act 2008 and related regulations. Use for any other purpose is prohibited and further copies must not be made without the prior written consent of Thames Water.

### **Thames Water Utilities Limited**

Clearwater Court, Vastern Road, Reading RG1 8DB

The Thames Water logo and Thames Tideway Tunnel logo are © Thames Water Utilities Limited. All rights reserved.

