

## Towage Guidelines for Barry, Cardiff, Newport & River Usk. 2009

DOCKING										
<b>Tonnage Bands</b>	Barry				Cardiff		Newport		Alpha	Bird Port
	Lady Windsor Lock		Basin							
	To Lock	In Dock	To Lock	In Dock	To Lock	In Dock	To Lock	In Dock	To Berth	To Berth
	See Note (a)									
	See note (b)									
Less than 3,000 gt	1		1	1						
3,000 to 5,000 gt	1	1	2	2	1	1	1	1	1	1 (d)
5,000 to 10,000 gt	2	2	2	2	2	2	2	2	2	1 (d)
More than 10,000 gt	2	2	2	2	3	2	3	2 (e)	2	n/a
SAILING										
<b>Tonnage Bands</b>	Barry				Cardiff		Newport		Alpha	Bird Port
	Lady Windsor Lock		Basin							
	In Dock	To Sea	In Dock	To Sea	In Dock	To Sea	In Dock	To Sea	To Sea	To Sea
	See Note (a)									
Less than 3,000 gt										
3,000 to 5,000 gt	1		1	1	1		1		1	1
5,000 to 10,000 gt	2	1	2	1	2	1	2	1	2	1
More than 10,000 gt	2	1	2	2	2	2 (c)	2	2 (c)	2	n/a

Notes	
Shaded squares	<b>Denotes that in calm weather a vessel with an effective bow thruster should not require tug assistance. (Effective in this context to be not less than 10% of main engine power.)</b>
a	<b>All vessels carrying chemicals in bulk should engage at least one tug in secured or escort mode.</b>
b	<b>All vessels carrying marine pollutants in bulk should, on the first visit to Barry, Cardiff or Newport, engage at least one tug in secured or escort mode.</b>
c	<b>The number of bow tugs may be reduced from two (2) to one (1) if both tugs are tractor tugs of more than 30 tonnes bollard pull and towage is undertaken using tug's lines. In exceptional circumstances ship's lines may be used as bow lines; such lines must be in good condition, of sufficient safe working load and have a valid test certificate.</b>
d	<b>Vessels of over 110 metres in length and/or more than 17.5 metres beam should engage two (2) tugs inwards.</b>
e	<b>Vessels of over 10 metres draft should engage 3 tugs when berthing starboard side to on 5 and 6 Sections, Newport.</b>
Wind Strength	<b>When the wind strength exceeds 25 knots (Force 5) it may be necessary to exceed the recommended number of tugs.</b>