

INTRODUCTION

This form should be completed for all Dead Tow Operations having followed the Guidance for Towage Operations in Clydeport.

INSTRUCTIONS

1. All sections of this form must be completed prior to the tow commencing in Clydeport's jurisdiction.
2. Pilotage requirements are detailed in Clydeport's Notice to Mariners No 2, General Direction – Pilotage, or as amended and published.
3. The Responsible Person, or its representative/agent, in collaboration with the Towage Provider, must sign, scan and submit this completed form to the Clyde Marine Managers (ClydeMarineManagers@peelports.com) for approval, supported with a comprehensive Method Statement and Risk Assessment for the Towage Operation.
4. For non-Pilotage barge/dead ship moves, the form must be submitted by 12:00 on the preceding working day, Monday to Friday, and by 12:00 on Fridays for weekend moves up to 12:00 on the Monday, or Tuesday if there is a Bank Holiday Monday.
5. For moves requiring Pilotage support, the form must be submitted 48 hours in advance of the move Monday to Friday, and by 16:00 on Thursdays for weekend moves up to 12:00 on the Monday, or Tuesday if there is a Bank Holiday Monday.
6. Once assessed by the Port Authority representatives and the form is to their satisfaction, the Tow will be approved and form returned to the relevant addressees.
7. The Tow is **NOT** approved until this form has been signed by all parties as required.

NOTE:

**THIS NOTIFICATION MUST BE COMPLETED IN FULL BEFORE SUBMISSION.
THE TOW WILL NOT BE APPROVED UNTIL THIS FORM HAS BEEN COMPLETED IN FULL, AND HAS BEEN SUBMITTED FOR CONSIDERATION.**

CLYDEPORT TOW NOTIFICATION FORM



VOYAGE			
From:		To:	
DTG ETD:		DTG ETA:	
Request Pilot ?		Yes *	No *
Pilot Boarding / Disembarking Pt:	Kempock Pt* @	Cumbrae Gap* @	Berth* @

* Delete as required. Note: DTG is Date, Time, Group: ddhmm MMM YY (All times local)

TOWAGE METHOD & DETAILS			
Provide full details of each element of the voyage, Berth to Berth including Towing options as per the Guidance for Towage Operations in Clydeport			
Towage Calculations (See Calculations Sheet page 3)	Bollard Pull Required of Towing Vessel	Calculated minimum bollard pull, as per calculation from calculation sheet page 3	tons
		As a minimum standard or another Industry accepted standard, Towing BP calculations are based on the formula described in Transport Canada TP11960E, Appendix A; Guidance for Tug and Barge Towing Systems.	
Full displacement of towed vessel / barge (Δ)		tons	
Depth of the exposed transverse section of the towed vessel / barge, including deck cargo measure above the waterline (metres) (D_1)		metres	
Total LOA (Tug(s) + Barge/vessel and including Tow line)		m	
Planned Towage Speed:	Firth of Clyde	Knots	River Clyde Knots

BOLLARD PULL TOWAGE CALCULATION SHEET

$$BP = \left\{ \frac{\Delta^{2/3} V^3}{120 \times 60} + (0.06 B \times D_1) \right\} \times K$$

BP = Required bollard Pull (tons)

Δ = Full displacement of towed vessel / barge (tons)

V = Tow Speed (knots)

B = Breadth of Tow vessel / barge (metres)

D₁ = Depth of the exposed transverse section of the towed vessel / barge, including deck cargo measure above the waterline (metres)

K = A factor that reflects potential weather and sea conditions – The Clyde is considered Protected waters and therefore the value should ordinarily be 0.5
(K values at a towing speed of 6 knots maximum.)

CALCULATION

Calculation to be shown, as per formula above.

CLYDEPORT TOW NOTIFICATION FORM



Shoreside Mooring Arrangements & Provider			
Evolution	Number of Crew	VHF Radio: Compulsory	Provider
Arrival		YES	
Departure		YES	

BARGE / VESSEL DETAILS				
Name / IMO Number				
LOA	Beam	Draught	DWT	Air Draught
m	m	m	Tonnes	m
Barge / Vessel Bollard certificated SWL				tons
Description of General Arrangements (Attach Spec Sheet if available)				
Barge Obstructions ** (Obscuring visibility) (Attach Photograph if available)				
Who will be the Barge Master / Master on the Barge / Vessel for the movement?	Name:		Mobile Number:	
	Email:			
Number of Barge / Vessel Crew (Required for mooring / unmooring operations)				
Confirm Crew are equipped VHF communications				
** (Description including dimensions or Nil)				
CARGO and/or DECK EQUIPMENT (Cranes)				
Description (Inc HAZMAT) (Description or Nil)				
Cargo Obstructions ** (Obscuring visibility) (Attach Photograph if available)				
Cargo Overhangs **				
** (Description including dimensions or Nil)				

CLYDEPORT TOW NOTIFICATION FORM



TUG / WORKBOAT DETAILS			
Name:			
IMO Number:			
Number of Crew:			
LOA	Beam	Draught	Bollard Pull
m	m	m	Tons
Description of General Arrangements (Attach Spec Sheet if available)			
Tug/Workboat Master/Skipper:	Name:		Mobile Number:
	Email:		

2 nd TUG / WORKBOAT DETAILS (if applicable)			
Name:			
IMO Number:			
Number of Crew:			
LOA	Beam	Draught	Bollard Pull
m	m	m	Tons
Description of General Arrangements (Attach Spec Sheet if available)			
Tug/Workboat Master/Skipper:	Name:		Mobile Number:
	Email:		

CLYDEPORT TOW NOTIFICATION FORM



WEATHER AND TIDAL LIMITS					
Visibility	≥ 1.0nm Minimum permissible visibility forecast for tow period in Clydeport's jurisdiction	Forecast	In the event of being caught in visibility of < 1.0nm, a dynamic risk assessment should be made to find a safe haven / location outside the main channels to halt towing operations, if safe to do so, until visibility improves.		
Wind	↑ Maximum permissible mean wind speed (knots)	Max ↑	F'cast ↓	Direction ↓	
Sea State	↑ Maximum permissible sea state	Max ↑	F'cast ↓	Wave Height in metres ↓	
Tidal Stream Flow	↑ Maximum permissible tidal stream predicted (knots)	Max ↑	Predicted ↓	Flood * ↓	Ebb * ↓
Day / Night Operations	Day *	Night *		Both *	
* Delete as required: ↑ As determined by the Person Responsible for the Movement ↓ To be completed by Clydeport Marine Managers					
PILOT ACCESS EGRESS					
Pilot Access / Egress alongside	Gangway *	Pilot * Ladder	Dockyard * Ladder	Other *	
Pilot Access / Egress afloat	Pilot Ladder *	Step Across *	Other *		
* Delete as required.					
CONTACT & COMMERCIAL DETAILS					
Barge / Vessel Owner Responsible for the Operation	Name:				
	PO No:				
	Address:				
Position / Company					
Contact Number: (as applicable)	Mobile:		Land Tel:		
Email:					
Barge Master / Master on board	Name:				
	Position / Company				
	Contact Number:	Mobile:			
Email:					

CLYDEPORT TOW NOTIFICATION FORM



CONTACT & COMMERCIAL DETAILS (continued)			
Contract Form	Bimco Towcon*	UK Standard*	Owner*
Other *:			
ATTACHMENTS			
Attach Insurance Cover Notes for: the Barge/Vessel; Tug; Cargo. P&I (including Pollution and Wreck Removal)			
Risk Assessments – References			
Method Statements – References			
Other Documents – References			
ADDITIONAL COMMENTS			
By Whom			
* Circle/Delete as required.			

DECLARATIONS		
Can this tow be achieved by the Tug / Workboat with 25% reserve power beyond the predicted conditions in the event of an emergency?	Y *	N *
Is the Towed vessel / barge's bollard SWL \geq the calculated Tug Bollard Pull?	Y *	N *
Is all towing equipment in date for testing and inspections in accordance with Class/MCA regulations and Industry Standards?	Y *	N *
Confirm that all the personnel involved (Tug/Workboat/barge/Mooring team) are suitably qualified, have seen the Risk Assessments and have been briefed on the method of the Operation?	Y *	N *
Have all the checks in the British Tugowners Association Coastal and Offshore Towing Plan Aide Memoire, been satisfied by the Towing Provider and the Responsible Person or equivalent?	Y *	N *
I have read and understand the contents of the Guidance for Towing Operations in Clydeport	Y*	N*
* Declarations confirmed as required.		

CLYDEPORT TOW NOTIFICATION FORM



Responsible Person for the Movement			
Name:			
Position:			
Signature:			
Date:			
<p>Any changes in circumstances must be notified to all addressees. On behalf to the Group Harbour Master, this Towage Operation is approved.</p>			
Head of Marine/Deputy Manager Marine Operations/Manager Marine Services			
Name:		Portlinks Booking No.	
Signature:			
Date:			
DISTRIBUTION			
ClydeMarineManagers@peelports.com	Applicant to supply following email addresses		
GroupPortControl.ShiftManagers@peelports.com			
Clydeport.Portlinks@peelports.com			
Clyde.Pilots@peelports.com			
lpclydeheysham@peelports.com			
Towage Provider email:			
Tug / Workboat Master/Skipper email:			
Barge Master / Master of Vessel email:			
Finance/Commercial Contact email:			

CLYDEPORT (PILOT) CHECK CALCULATION (To Be Completed By Clydeport Pilot)

BOLLARD PULL TOWAGE CALCULATION SHEET

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