

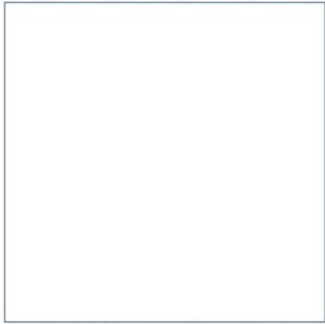
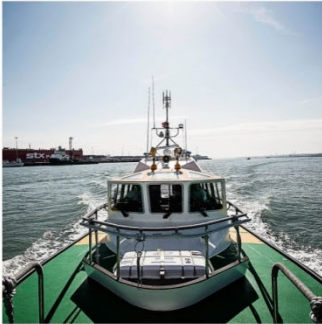
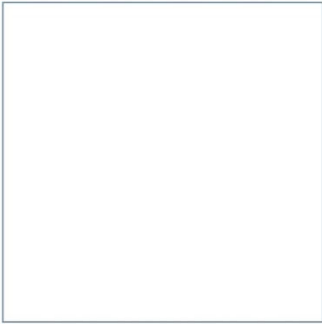
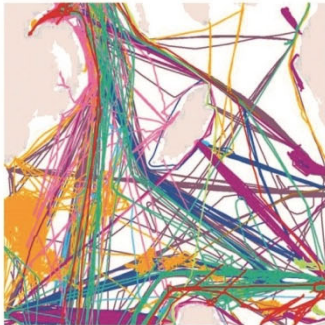
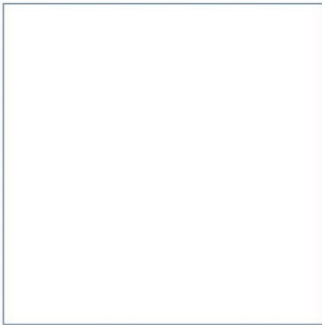
Port of Mostyn

Mostyn Energy Park Extension

Environmental Statement

Appendix 10.1: Navigational Risk Terminology

December 2022



Innovative Thinking - Sustainable Solutions

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Mostyn Energy Park Extension

Environmental Statement



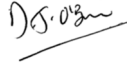
Appendix 10.1: Navigational Risk Terminology

December 2022



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Authors

The Port of Mostyn Limited

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Appendix 10.1 Navigational Risk Terminology

Determination of Likelihood (Review of Mostyn Docks Ltd. Risk Assessment for Marine Operations. Section 2, Appendix 3)

Probability (that harm will occur)	Frequency (of the Hazardous Event occurring)			Likelihood
	Infrequent	Frequent	Very frequent	
Improbable	Very unlikely	Unlikely	Likely	Likelihood
Probable	Unlikely	Likely	Very likely	
Very probable	Unlikely	Likely	Very likely	

Frequency

Infrequent	More than once in 10 years but less than once per year.
Frequent:	More than once per year but less than once per month.
Very frequent:	More than once per month.

Probability

Improbable:	It is almost certain that harm or damage will not arise.
Probable:	There is an equal chance that harm or damage may, or may not arise.
Very probable:	It is almost certain that harm or damage will arise.

Table of Consequence (Review of Mostyn Docks Ltd. Risk Assessment for Marine Operations. Section 2, Appendix 4)

People	Environment	Assets	Consequence
Injuries requiring first aid or medical treatment but no absence from work or disability.	No adverse impact	Minimal Damage. Little or no cost. No Disruption to port operations	<i>Trivial</i>
Injuries / sickness medical intervention, short term disability and / or absence from work.	Tier 1 oil spill and/or Localised disruption to key eco-system components taking less than 1 year to recover	Minor damage that can be made good at a cost of up to £25,000 Minor disruption to port operations	<i>Minor</i>
Major injury / sickness requiring medical intervention with long term disability and / or loss of limb.	Tier 2 oil spill and/or disruption to key eco-system components taking more than 5 years to recover. Likely to result in 3 rd party claims and local media coverage.	Major damage resulting in costs up to £ 1,000,000 Port operations disrupted for period between 3 and 7 days.	<i>Major</i>
One or more fatalities	Tier 3 oil spill and/or key eco-system components permanently damaged. Expect 3 rd party claims and national media coverage.	Severe damage resulting in costs in excess of £1,000,000 Severe disruption. Port operations affected for more than 7 days	<i>Severe</i>

Table of Assessment of Risk (Review of Mostyn Docks Ltd. Risk Assessment for Marine Operations. Section 2, Appendix 5)

Likelihood	Consequence			
	Trivial	Minor	Major	Severe
Very unlikely	Low	Low	Medium	High
Unlikely	Low	Medium	Medium	High
Likely	Low	Medium	High	Very high
Very likely	Medium	High	High	Very high

Tolerability Criteria

Region of tolerability	Shaded area	Description
Broadly acceptable		No need for detailed working to demonstrate ALARP. Necessary to maintain assurance risk remains at this level.
Tolerable if ALARP		Operations are allowed to take place provided that the associated risks have been made ALARP.
Unacceptable		Risk is regarded as intolerable and cannot be justified in any ordinary circumstances. Operations cannot be carried out unless the risk is reduced to tolerable level.

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