

Reference: MRA 2



North Sunderland Harbour Risk Assessment Form

Service	North Sunderland Harbour - MRA Number 2	Date of Risk Assessment	1 Nov 2023
Assessor	Paul Brown / Kay Barkess		
Process or Activity	Oil Spill in the port or approaches		

Describe the location where activities are taking place	North Sunderland Harbour and approaches.		
Describe the activities being undertaken	An oil spill occurs as a result of bunkering, or from a penetrated oil tank or from elsewhere in the North Sea.		
Describe the equipment and/ or substances being used	Marine Gas Oil (MGO) or Heavy Fuel Oil (HFO).		
Describe the people involved in these activities (and others who might be affected)	Port Staff, commercial fishermen, tripping boat crew, divers, RNLI crew, divers, leisure users and members of the public.		
Associated Risk Assessments	MRA 4, 5, 6, 7, 11	Associated Safe Systems of Work	North Sunderland Harbour Oil Spill Response Plan - 2022

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Risk Rating	Action
20-25	Stop Activity and Take Immediate Action
15-20	Urgent Action
8-12	Action
3-6	Monitor
1-2	No Action – ensure controls are maintained and reviewed

Hazard	Uncontrolled Risk Score			Risk Mitigations	Residual Risk Score		
	L	C	R		L	C	R
A small amount of MGO is released into the harbour during bunkering (refuelling) operations.	3	2	6	<ol style="list-style-type: none"> Tier 1 oil spill response equipment is available in the harbour office and at the bunkering point to deal with minor spills. Tier 1 equipment is inspected and updated monthly by harbour staff. Tier 2 professional advice is available 24/7. Regular training in Tier 1 and Tier 2 responses iaw OSRP training schedule. The approved method of bunkering is displayed on the fuel pump/ bunkering equipment. Record of incidences kept & trends and repeat offenders identified. Bunkering equipment is maintained, inspected and approved annually. 	3	1	3
As a result of an incident (collision or grounding etc.) a large quantity of MGO is released into the harbour.	1	3	3	<ol style="list-style-type: none"> Tier 1 oil spill response equipment is available in the harbour office and at the bunker station to deal with immediate action required by major spills. Tier 2 professional support can be on scene within 3-6 hours. Regular training in Tier 1 and Tier 2 responses iaw OSRP training schedule. 	1	3	6

Hazard	Uncontrolled Risk Score			Risk Mitigations	Residual Risk Score		
	L	C	R		L	C	R
As a result of an incident outside the harbour (collision or grounding in the North Sea) a large quantity of MGO or HFO is washed into the harbour on the tide.	2	3	6	<ol style="list-style-type: none"> 1. Tier 1 oil spill response equipment is available in the harbour office to deal with immediate action required by major spills. 2. Regular training in Tier 1 and Tier 2 responses. 3. Tier 2 professional support can be on scene within 3-6 hours. 4. Tier 3 support will be available within 24 hours. 	2	2	2
Tier 1/2/3/Oil Spill Recovery Operations.	2	4	8	<ol style="list-style-type: none"> 1. Tier 1 oil spill response equipment is available in the harbour office and at the bunker station to deal with immediate action required by major spills. 2. Tier 2 professional support can be on scene within 3-6 hours. 3. Tier 3 support will be available within 24 hours. 4. Oil Response Plan details the production of full risk and hazard assessment prior to recovery operations. 	2	2	4

Risk Rating Calculator

Likelihood that hazardous event will occur	
1	very unlikely
2	unlikely
3	fairly likely
4	likely
5	very likely

Consequence of hazardous event	
1	insignificant – no injury
2	minor – minor injuries needing first aid
3	moderate – up to three days' absence
4	major – more than seven days' absence
5	catastrophic – death

Action Level Table

Risk rating	Action
20–25	Stop – stop activity and take immediate action
15–16	Urgent action – take immediate action and stop activity if necessary, maintain existing controls rigorously
8–12	Action – improve within specified timescale
3–6	Monitor – look to improve at next review or if there is a significant change
1–2	No action – no further action but ensure controls are maintained and reviewed