



Risk Assessment

This assessment is to be used to identify and record health or safety risks arising from.

PART 1 – IDENTIFICATION

Description of Operations:

- Tractor driving
- Launching and recovering RIBs
- Launching and recovering yachts
- Towing on site
- Parking boats / trailers
- Driving in harbour, on slipways and on beach

PART 2 - PHYSICAL AGENT ASSESSMENT

The following physical risks are considered to be associated with this operation.

Physical Agent Risks	N/A	Risk Involved	Personnel Exposed	Exposure Duration	Potential Harm
Physical shocks	na				
Vibration		Physical harm	Tractor driver	Duration of drive	Temporary irritation
Manual handling of loads		Back damage, trapped limbs	All	Variable	Crushed fingers / limbs; back strain
High noise levels		Engine noise	All	Duration of proximity to tractor	Temporary irritation
Electrical hazards	na				
Hot or cold extremes	na				
Poor posture required	na				
Lack of movement allowed	na				
Physical fatigue	na				
Excessive overtime	na				
High steps or use of ladders		Straining	Tractor driver	Briefly, entering / leaving cab	Bruises, dizziness
Risk of traps / being struck	na				
Other: Hydraulics		Leaks / personnel trapped	All	Duration of proximity to tractor: variable	Chemical spill; loss of power; Limb / body crushing; death
Other: Trailers		Damage to tractor / personnel / boats and other equipment	All	Duration of proximity to tractor: variable	Limb / body crushing; death

Other: Towlines		Breakage; being trapped; snagging; tripping	All	Duration of proximity to tractor; variable	Whips cuts; limb, head and eye damage from minor to severe
Other: Fuelling		Spillage; fall	Tractor driver	Variable: circa 20 min	Chemical spill; broken limbs

PART 3 - CHEMICAL AGENT ASSESSMENT

Chemicals involved in the process:

Hazardous ingredients: Diesel

Potential Health Hazards: Respiratory and skin irritation. May contain carcinogens.

Hazard Classification: Low unless contact is repeated and/or prolonged

Other information: Ensure good ventilation when handling. Remove from skin with soap and water. Flush eyes with large volumes of water .

Chemicals involved in the process:

Hazardous ingredients: Hydraulic oil

Potential Health Hazards. Skin and eye irritation. High concentrations inhaled may cause drowsiness, dizziness, and lung irritation.

Hazard Classification: Low

Other information: Remove from skin with soap and water; flush eyes with large volumes water .

Chemical Hazards	Risk Involved	Personnel Exposed	Exposure Duration	Potential Harm
Diesel oil	low	Driver; maintenance personnel	10-15 min	Skin/eye irritation; respiratory irritation
Hydraulic oil	low	Driver; maintenance personnel	10-30 min	Skin/eye irritation; drowsiness/dizziness

PART 4 - RISK ASSESSMENT (*SEE SEVERITY ASSESSMENT LISTING)

The assessment below is based on the information in the preceding sections such as length of exposure, potential harm that could be realised from the hazard should it occur, etc. Likelihood and severity are based on the 'most likely' injury rather than worst case.

Hazard	Likelihood of harm from hazard	Severity of injury if occurs	Overall Risk Level*	Control Measures Required
Vibration	1	2	2	Avoid excessive use
Manual handling of loads	3	3	9	Use recommended Manual Handling procedures (DBSC H&S Policy: Appendix II)
High noise level	1	2	2	Use ear muffs
High steps; use of ladders	1	3	3	Use recommended procedures for Use of Ladders (DBSC H&S Policy: Appendix II)
Hydraulics	4	3	12	Regular maintenance and inspection; prevent unauthorised personnel approaching hydraulics when in use
Trailers	5	4	20	Inspect hitching equipment (grease if necessary), wheels (tyre pressures, bearings), general condition (emphasising corrosion and likely breakage of load bearing structures) on trailers before use.
Towlines	3	4	12	Use lines of suitable strength; inspect before use for wear and tear, abrasion, cuts; if in doubt replace; replace regularly.
Fuelling	3	1	3	Ensure good ventilation; wear gloves, eye goggles

Notes:

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*Risk levels are based on a scale of 1 (low) to 25 (high). See Part 5 for rating criteria.

PART 5 - ADDITIONAL COMMENTS ON CONTROL MEASURES / ADDITIONAL RISK INFORMATION

Issue	Control Measure
Training	Harbour master has provided training for named personnel: only named personnel permitted to use tractor
Young persons	Not permitted to use
Pregnant workers / new mothers	Not permitted to use
Disabled	Not permitted to use
Casual	Not permitted to use
Fire	Unlikely
Environmental considerations	Tractor regularly inspected by drivers for leaks / spills of diesel and hydraulic fluids.

ASSESSMENT CRITERIA

Severity	Scale	Likelihood
Cuts or bruises, minor temporary irritations, dizziness or queasiness.	1	Very remote
Deep cuts, minor burns, eye skin or lung irritation, small electric shock, temporary problems from repetitive tasks, small scalds. Short term infection risks which will not lead to lost time. Contained spills.	2	Unlikely
Broken fingers or toes, coma, potential long-term eye or lung damage or minor repetitive problems, sensitisation, short term back pain, large electric shock, infection risks which whilst not life threatening may lead to lost time. Chemical burns to skin with lasting effects. Small fires. Spills which may reach ground, water course or drains.	3	Possible
Total/Partial disablement, loss of fingers, broken leg or arm, serious head, eye, lung damage, long term / chronic health effects inc. back problems, hearing damage, potentially serious long term health risks from infection. Large fire – possible loss of equipment.	4	Likely
Death, major fire with possible loss of facility, explosion.	5	Almost certain

PART 6 ASSESSMENT DETAILS

	Initial Assessment by:	2nd Review by.	3rd Review by.	4th Review by.	5th Review b.	6th Review by.	7th Review by.
Name:	Andrew Marshall (Harbour Master)						
Date:							