



Dalgety Bay Sailing Club; Raft Use Risk Assessment

A.

Project Title:	Mooring Maintenance	Prepared by	D Adrain	Risk Assess. No.:	RA 21/03/10
Task/Activity:	Lifting, maintenance and laying of Moorings within the confines of Dalgety Bay Sailing Club mooring site	Project No.:	NA	Date Prepared	21 st March 2010

B.

THOSE AFFECTED					
A. Club Member	B. Members of the Public	C. Adjacent Persons	D. Children/Young Persons	E. Contractors	F. Visitors
Others (state)					

C.

HAZARD	Those Affected	HAZARD	Those Affected	HAZARD	Those Affected	HAZARD	Those Affected	HAZARD	Those Affected
Falling	A	Substances		Entanglement	A	Lighting		Others (state below)	
Falling Objects		Access/egress	A	Puncture or Stabbing	A	Temperature			
Vehicles		Slips/trips	A	Severing or Cutting	A	Weather	A		
Noise		Crushing	A	Ejection of fluid		Ionising Radiation			
Electricity		Trapping	A	Ejection of objects		Dust/Fume			
Vibration		Friction or Abrasion	A	Confined Space		Water or Drowning	A		
Fire & Explosion		Welding		Manual Handling	A	Repetitive Work			



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D.

No.	HAZARDS (as identified above)	Aspects of activity that give rise to the HAZARD	Existing Control Measures (e.g. design; guarding; procedures; training; PFW; PPE; signs etc.)	Risk Rating			Additional control measures to reduce risk (e.g. elimination; alternative methods; additional guarding, barriers; design changes; additional procedures; increase supervision to monitor controls; additional training; PPE)	Residual Risk		
				Prob ① 1 - 3	Sev ② 1 - 5	Risk ①x② 1 - 15		Prob ① 1 - 3	Sev ② 1 - 5	Risk ①x② 1 - 15
1	Falling	Falling from raft when undertaking works. Falling object in form of mooring weight	Guardrails and stanchions in place around raft perimeter where possible Mooring weight hung and secured using tested wire rope attached to tested winch	2	3	6	Do not lean over unguarded area located at front of raft Mooring weight to be secured to raft, when hanging from front roller, by tested wire rope when work being carried out on mooring and safety hook engaged	1	2	4
2	Access/Egress	Accessing the moored raft by tender and egress should it become defective	Tender fitted with engine to be attached to raft at all times when works in progress. Raft engine maintained under approved maintenance regime	3	2	6	Raft engine maintained appropriately by authorised and trained personnel. Tender used to access raft is attached to vessel in secure manner. Adequate fuel available on board raft	2	2	4
3	Slips & Trips	Access, egress of raft and during works handling moorings	Good housekeeping. Appropriate footwear with anti slip soles	3	5	15	All materials stored away from working areas. Chains to be flaked on deck neatly during works One nominated banksman to control lifting operation	1	5	5
4	Crushing	Lifting operation using wire hawsers and heavy chain.	Experienced personnel to rig and lift moorings	2	4	8	Method statement to be adhered to regards lifting equipment. Chains to be flaked neatly. Appropriate lifting equipment to be taken on board. Team talk before work. One person in charge of the lifting operation. Chains and ropes to be flaked neatly on deck with no personnel stepping through the materials All personnel at rear of vessel when dropping mooring, Nominated banksman to control lifting operation	1	4	4



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5	Trapping	Lifting operation using wore hawsers and heavy chain.	Nominated and experienced personnel to rig and lift moorings	2	3	6	Method statement to be adhered to regards lifting equipment. Chains to be flaked neatly. Appropriate lifting equipment to be taken on board. Lifting plan to be constructed and available	1	3	3
6	Friction or abrasion	Manual lifting and handling of ropes, chains and weights	Gloves and overalls to be worn during works at all times	2	3	6	Check list to be adhered to regards PPE Handling of chains and ropes to be minimised with winch being used to manipulate materials	1	3	3
9	Entanglement	Lifting and handling of mooring ropes and chains	Good housekeeping maintained at all times	2	3	6	Team talk before work. One person in charge of the lifting operation. Chains and ropes to be flaked neatly on deck with no personnel stepping through the materials All personnel at rear of vessel when dropping mooring, When mooring lifted it must be secured on the winch hook via a shackle; do not rely on rope tied to the vessel to hold the mooring weight	1	3	3
10	Manual Handling	Handling heavy chain on deck. Winching mooring at top end of the wich capability	Winch to be used to move heavy chains on deck. Personnel operating winch to "spell" each other Winch manual available for consultation before progressing with the lift	3	4	12	Two operative's minimum for every operation. Mooring weights and chains to be to club mooring specification or of known and documented size and mass. Operatives to be physically capable of the lifting operation.	1	3	3
11	Puncture or stabbling	Lifting and handling of mooring ropes ,chains and shackles and pins	Gloves worn during full operation. Handling of chains and ropes minimised	2	4	8	Gloves worn during full operation. Handling of chains and ropes minimised Correct tools to be used to carry out repairs to shackles and associated equipment	1	4	4
12	Severing or Cutting	Lifting and handling of mooring ropes ,chains and shackles and pins	Gloves worn during full operation. Handling of chains and ropes minimised	3	4	12	Banksman to ensure hands are clear before lifting operation Correct tools to be used to carry out repairs to shackles and associated equipment	1	4	4
13	Weather	Unable to control raft with large swell and high wind	Weather forecast consulted	2	4	8	Booking of raft to be approved by moorings rep.	1	4	4



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14	Water & drowning	Falling from raft	Stanchions and guardrails in place. Lifejackets worn at all times	2	5	10	Banksman to control all works Personnel to refrain from leaning under guard rails Personnel to steer clear of open front roller area and access to outboard engine area	1	5	5
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E.

Related Documents No's. :	Issue 2 November 2009- 1 - Guidance on Safe Use of Dalgety Bay Sailing Club Raft
Project Title :	Mooring Maintenance
Date:	21st March 2010
Prepared by	Donald Adrain
Checked by	John Spruce
Brief description of work on site:	Lifting, maintenance and laying of Moorings within the confines of Dalgety Bay Sailing Club mooring site

I undertake that this Risk Assessment/Method Statement will not be altered, changed or deviated from in any way unless with written agreement of the committee

Approvers Signature Donald Adrain Name (print) **DONALD ADRAIN** Date **4/4/2011**

Position in Club **Commodore**

The attached Risk Assessment/Method Statement has been reviewed by the committee. The raft users accept its contents and the level of detail provided as reasonable, on so far as is able to judge within the parameters of their own experience.



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Risk Assessment Briefing Record

Briefing delivered by:

Position:

Date:

We (the undersigned) have read and understood the attached risk assessment and will comply with the specified requirements and control measures. If the work activity changes or deviates from that originally envisaged, we will seek further advice and request an amended risk assessment.

Name (Print)	Signature	Date



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