

DRUMMOYNE ROWING CLUB – ENVIRONMENTAL & SUSTAINABILITY AUDIT

The aim of this section is to encourage the Drummoyne Rowing Club rowing community to develop sound environmentally sustainable practices in their normal rowing activities. This environmental audit document identifies issues and actions that when resolved should lead to continuous improvement in the environmental and sustainability performance of the club.

General Organisation

- (a) The senior official of the club or organisation responsible for the environmental sustainability management programme is the Chair of the DRC HS&E Committee.
- (b) The environmentally sustainable management programme should be communicated to all people involved in rowing activities at DRC.
- (c) All individuals should be encouraged to take responsibility and notified regularly through the various communication channels.
- (d) The club or organisation should involve and maintain open communications with other individuals and organisations that have a vested interest in the water body and surrounding areas, such as Canada Bay Council and Maritime NSW (Transport NSW).

No.	Item	Y	N	Comments	Action required	By whom	By when	Done
1	POLLUTION PREVENTION – ENVIRONMENT PROTECTION							
1.1	Is management of hazardous waste compliant with the appropriate safety regulations?	Y		TBC – mainly engine oil for disposal	Speak to Vice Captain (VC) to confirm arrangements for hazard waste disposal	GF	30 Jun 23	
1.2	Are hazardous goods such as solvents, resins, paints and other petroleum and chemical products stored in a secured and well-ventilated locker or room?	Y		Cleaning agents are stored under the sink in the kitchen and there are paints and solvents stored in the workshop. Fuel and oil are stored in the fuel store.	Monitor	HS&E Committee	Ongoing	

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1.3	Do you observe any liquid fuels leakage incidents in the ground or in the water? Record the corrective actions taken.		N	None yet observed. Should this include the drips in the shed from some of the outboard engines?	Fuel leakage protocol to be developed. Spill kit in the fuel store.	JL	31 Jul 23	
1.4	Is the smoking policy adhered to? If not, suggest appropriate solutions.	Y		Yes, not many rowers smoke. No Smoking signs installed on fuel store and school entry door.	Monitor visitors to boatshed to ensure smoke free zone retained. Have message reminder put in Captain Comms	All & AW	Ongoing & 31 Jul 23	
1.5	Is bio-degradable washing liquid used for cleaning boats?	TBC		AW to advise.	Only purchase biodegradable washing up liquid	AW	30 Jun 23 & ongoing	
1.6	Does refuelling take place on solid land (i.e., not on water or deck or over permeable surfaces)?	Y		Refuelling is undertaken at the service station or outside the fuel store – Captain Comms included no refuelling in boats.	Confirm with VC	GF	30 Jun 23	
1.7	Does the club have a spill contingency plan and have appropriate clean up material readily available at all times?	Y		Yes, there is a spill kit in the fuel store.	Spill kits to be checked quarterly	JL	End of each Quarter	
1.8	Is the storage of fuels separate of the boathouse in a secure compound designed to contain any fuel leakage or spills?	Y		Yes. Fuel store is adjacent to boathouse in secure area.	None	N/A	N/A	
2	WATER USAGE							
2.1	Are boathouse water taps needlessly left running?		N	Hoses have trigger fittings, or are valve controlled	To consider when replacing hose fittings	AW	Ongoing	
2.2	Are water taps in kitchens and toilets		N	Taps kept in good condition and monitored	Condition to be monitored	HSE committee	Ongoing	

	needlessly left running? If yes, record the functional areas where it was observed.							
2.3	Do you observe any leaks in the water mains? If yes, record the functional areas where it was observed.		N	None apparent	To be checked, looking at meter helpful	HSE committee	Ongoing	
2.4	Do you observe any leakage in chemical or sewage pipes connected to toilets? If yes, record the functional areas where it was observed.		N	None apparent	To be reviewed regularly	HSE committee	Ongoing	
2.5	Do you observe any leaks in the rest of the main drainage system? If yes, record the functional areas where it was observed.		N	Not aware of anything Assume only one meter for whole building managed by Aqua Luna	Ideally take meter readings, however, need to liaise with Aqua Luna to confirm meter location and billing arrangements	SB	31 Jul 23	
2.6	Do you detect unpleasant odour coming from the main drainage system? If yes, record the functional areas where it was observed.	Y		Sometimes from men's urinals	Signage and encouragement of regular flushing in men's changing rooms.	HSE Committee male members	Ongoing	
2.7	Is rainwater captured for the washing of boats etc		N	Not yet	Scope cost of purchase and installation	JL	31 Aug 23	
2.8	Is there a dedicated water meter and if so, is it read regularly?		N	Discussion with DRC Treasurer suggests meter and billing is managed by Aqua Luna	None	N/A	N/A	
2.9	Do the bathrooms and kitchens use water efficient appliances?		N	Don't think so.	At time of renewal, seek water efficient fittings	HSE Committee	Ongoing	

3	AIR QUALITY MONITORING – NOISE MONITORING							
3.1	Is noise during rowing training limited to the lowest level permitted?	Y		Except the din coming from the gym on second floor	Engage gym management if noise becomes too loud	HSE Committee	Ongoing	
3.2	Can you detect any visible air pollution incidents (i.e., gas emissions) originating from cleaning materials, fuels or dust?		N	Not aware	Monitor	HSE Committee	Ongoing	
3.3	Can you detect excessive air emissions from car, bus or boat engines?		N	Tinnie motors regularly serviced	Remain aware	HSE Committee & Vice Captain	Ongoing	
4.	MAINTENANCE OF GREEN AREAS							
4.1	Are there green areas that need remediation? If yes, report the conditions and the corrective actions needed to be taken.		N	None aware in immediate vicinity if boathouse	N/A	N/A	N/A	
4.2	Is the green area protection signage system working effectively? Is corrective action needed?	N/A		No protected areas	None	N/A	N/A	
4.3	Are current measures for green areas protection being effectively? If they are not, then suggest improvement measures that can be implemented by Site Management	N/A		N/A	N/A	N/A	N/A	

5	CLEANING AND WASTE MANAGEMENT							
5.1	Is there floating waste observed in the water body? If yes, are there corrective actions taken?	Y		On occasions, logs and floating objects occasionally need fishing out of water to avoid boat damage	Maintain vigilance and encourage tinnie drivers to remove and place in skip/rubbish bins	AW	Ongoing, & post stormy weather	
5.2	Is management of chemicals and fuels performed according to the safety regulations?	Y		John L confirmed yes.	Protocols to be adhered to	JL	Ongoing	
5.3	Is the waste management and recycling system signage adequate and properly placed? Do you believe that waste separation signage is comprehensive enough (by athletes, staff, spectators)? Are there any alternatives?		N	Could be better; maybe okay in kitchen area	More bins provided in boatshed	AW	31 Aug 23	
5.4	Are recycled products procured where possible		N	Little attention placed on sourcing recycled products	Purchasing recycled materials to be encouraged	HSE Committee	Ongoing	
5.5	Are waste bins emptied according to the operational plan?	Y		Waste segregated where possible	Segregation of waste and recyclables to be pursued	HSE Committee	Ongoing	
5.6	Is the medical waste management procedure followed according to the operation plan?	N/A		N/A	N/A	N/A	N/A	
5.7	Do Food Services- Logistics and other operational units comply with the waste minimisation regulations?	N/A		N/A	N/A	N/A	N/A	

5.8	Is the main waste compound kept in a clean and odourless condition? Can you detect any discharges from waste bins, containers or waste storage areas? If yes, suggest corrective actions.	N/A		Waste bins only in the boatshed and kitchen.	Waste compound/storage bins responsibility of Aqua Luna	HSE Committee	Ongoing	
6	ENERGY							
	6.1 Are general use lights switched on during daytime?	Y		In boathouse and gym area	Ensure lights turned off by last to leave boatshed, monitor and communicate in Captain comms if necessary	AW	Ongoing	
	6.2 Are security lights switched on during daytime?	Y		The lights inside the shed are not security lights. There are security lights on the steps and at the back of the shed with sensors that only come on when dark. Sometimes the pontoon lights are turned on during daylight but are on a timer.	Ensure lights continue to function and ensure maintained as required	HSE Committee	Ongoing	
	6.3 Are lights in indoor areas needlessly switched on? If yes, record the functional areas where it was observed.		N	N/A	N/A	N/A	N/A	
	6.4 Is air-conditioning needlessly switched on? If yes, record the functional areas		N	No aircon	N/A	N/A	N/A	

	where it was observed.							
	6.5 Are there any open doors or windows in areas where the air conditioning is switched on? If yes, record the functional areas where it was observed.	N/A		N/A	N/A	N/A	N/A	
6.6	Is electronic equipment needlessly switched on? If yes, record the functional areas where it was observed.		N	Not aware of this	N/A	N/A	N/A	
6.7	Is there a dedicated electricity meter and if so is it read and monitored regularly?			Yes	Meter reading appears on billing, to liaise with Treasurer	GF	Ongoing	
6.8	Does the club source green electricity?		N	Need to confirm whether bills are paid direct to utility or via Aqua Luna	To discuss billing with Treasurer and potential to source green	GF	Ongoing	
7.0	TRANSPORT							
7.1	Is car-pooling or use public and non-motorised modes of transportation (such as walking and cycling) to the club or going to away regattas encouraged?		N	Possibly on an ad-hoc basis	Could be organised, to be reviewed. Announcements in Regatta Captain's comms. Spreadsheet on revolutionise (tbc)	AW	Week before regattas/heads races away from the Cove	
7.2	Are carbon emissions caused by transport assessed and offset with an accredited provider?		N	Could be useful for an environmental report	Review policy on this and identify costs and options	CV	31 Aug 23	
8.0	MOTOR BOATS AND FUELS							

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8.1	Is preference given to the use of four stroke motors over two stroke on coaching launches and safety boats to avoid pollution of the water, air as well as noise pollution?	Y		We only have 4-stroke motors	Policy to be reviewed when new engines procured	HSE Committee	Ongoing	
8.2	Are engines well maintained to ensure energy efficiency, and produce as little air and water pollution as possible?	Y		Engines regularly serviced	Engine servicing to be co-ordinated by Vice Captain	Vice-Captain	Ongoing	
8.3	Is maintenance undertaken in an area which is prepared to contain oil and fuel spills?	Y		Vice-Captain to advise	Vice-Captain to advise	Vice-Captain	30 Jun 23	
8.4	Are storage of fuels separate of the boathouse in a secure compound designed to contain any fuel leakage or spills.	Y		As per 1.8 above	To monitor	Vice-Captain	Ongoing	
8.5	Is refuelling undertaken as far as possible from the water body in a specified area, which is prepared to contain fuel spills?	Y		As per 1.6 above plus spill tray available for use.	As per 1.6	As per 1.6	As per 1.6	
8.6	Is refuelling prohibited from taking place on water or deck or over permeable surfaces?	Y		Confirmed	To be monitored and adhered to	JL & AW	Ongoing	
8.7	Are appropriate techniques and equipment used to avoid spills?	Y		Appropriate equipment (spill tray, funnels, spill kit) available but cannot confirm that everyone uses it properly.	To be monitored and adhered to	JL & AW	Ongoing	
8.8	Has the club developed a spill contingency plan and have	Y		Confirmed	Spill materials to be checked	JL	Monthly	

	appropriate clean up material readily available at all times?							
8.9	Is smoking banned and the ban strictly enforced in and around fuel storage areas and refuelling areas?	Y		Smoking signs placed on external locations	To be monitored and enforced accordingly	HSE Committee	Ongoing	

Additional notes for reference

Waste Management (a) The club or organisation should implement appropriate recycling systems based on local capacity for recycling. (b) Where possible, organic waste should be separated for composting. (c) Provision should be made for the on-site collection of solid waste in appropriate containers for the safe and hygienic collection and disposal off site of all such waste and in particular: (i) Food and kitchen waste stored in solid containers with a lid which can be securely closed pending collection and disposal of the waste. (ii) Any on-site solid waste storage area screened from general view and should be maintained in a safe and sanitised state and free of vermin.

Office Practices The club or organisation should make their office practices more environmentally sustainable by: (a) Reducing energy consumption; (b) Using energy efficient equipment with standby capabilities (photocopiers etc); and (c) Reuse and recycle paper, envelopes and stationery etc.

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General Boathouse Operations (a) Use timers and or motion sensors on lighting systems and energy efficient bulbs to ensure energy conservation. (b) Install water efficient fixtures in washrooms, showers and kitchens to conserve water. (c) Make provision for safe and sanitary storage of all food and beverages (See 5.7 to 5.9 for more details). (d) Avoid excessive use of water for landscaping uses. (e) Avoid the use of disposable utensils, plates cups etc. (f) Use biodegradable cleaning materials around the boathouse. (g) Provide a smoke-free environment.

Rowing Equipment Maintenance – Cleaning, Repairs and Recycling (a) When transporting boats to a different water body, ensure the equipment has been cleaned thoroughly and is free of plant material, contaminants, greases, oils etc. (b) When cleaning boats, equipment, and the boathouse areas, minimise consumption of water. (c) Cleaning agents used for equipment should be biodegradable and the use minimised. (d) Avoid discharge of water used to wash boats or equipment directly into the water body. Cleaning of boats should take place at least 30 metres from shore if possible and on a permeable surface so that wash water is filtered through ground before reaching the water body. (e) Hazardous goods such as solvents, resins, paints and other petroleum and chemical products should be stored in a secured and well-ventilated locker or room. (f) Clubs or rowing organisations should ensure that in the use of such

products instructions on the containers are read carefully and materials which give off noxious or hazardous fumes are used or applied in a well-ventilated area of the boathouse or in the open air and that those using them wear appropriate protective masks or clothing. (g) Disposal of hazardous goods should be to an approved disposal location and never to a local drain or sewer or directly into a water body. (h) A record should be kept, preferably by clearly visible plaque or label affixed on all boats, oars and sculls, of the principal materials from which they are manufactured, and appropriate advice taken to ensure that these products are recycled if practicable or otherwise safely disposed of when no longer of any use for rowing activity. 7

Motorboats and Fuels (a) Preference should be given to the use of four stroke motors over two stroke on coaching launches and safety boats to avoid pollution of the water, air as well as noise pollution. (b) Engines should be well maintained to ensure energy efficiency, and produce as little air and water pollution as possible (c) Maintenance should be undertaken in an area which is prepared to contain oil and fuel spills. (d) Storage of fuels should be separate from the boathouse in a secure compound designed to contain any fuel leakage or spills. (e) Refuelling should be undertaken as far as possible from the water body in a specified area, which is prepared to contain fuel spills. (f) Refuelling should never take place on water or dock or over permeable surfaces. (g) Appropriate techniques and equipment should be used to avoid spills. (h) The club or organisation should develop a spill contingency plan and have appropriate clean up material readily available at all times. (i) Smoking should be banned and the ban strictly enforced in and around fuel storage areas and refuelling areas.

On Water Practices (a) All rowers should be aware of locations of sensitive habitat in and around the water body used for rowing. (b) Due attention should be paid to avoid disturbing sensitive habitat, flora and fauna from activities such as motorboat wake. (c) Be aware that there are certain seasons of significant wildlife activity such as nesting and spawning seasons. (d) Care should be taken to avoid erosion of the shore of the water body. Any evidence of such should be promptly notified to relevant authorities. (e) No material or human waste should be discarded into the water body. (f) Rowing practices should ensure that water bottles and other equipment are secured in rowing and coaching craft to prevent their loss into the water body. (g) Care should be taken to avoid excessive noise on the water, which can negatively affect flora and fauna in and around the water body. (h) Be aware, particularly in the morning, of the effect of noise on other stakeholders, users and residents around the water body. (i) Voices should be directed away from residential areas. (j) Where possible a direct communication system between the boat and the coach should be used