

Marlow Regatta at Dorney Lake

Saturday June 18th and Sunday June 19th 2011

This risk assessment follows the British Rowing's pattern in 'Row Safe: A guide to good practice in rowing'.

RISK ASSESSMENT MATRIX

Probability of Accidents	Severity of Outcome		
	Slightly harmful (Low)	Harmful (Medium)	Extremely harmful (High)
Highly unlikely (Low)	Trivial Risk	Tolerable Risk	Moderate Risk
Unlikely (Medium)	Tolerable Risk	Moderate Risk	Substantial Risk
Likely (High)	Moderate Risk	Substantial Risk	Intolerable Risk

RISKS AND ACTIONS

RISK LEVEL	ACTION AND TIMESCALE
Trivial	No action required.
Tolerable	No additional controls are required. Consideration may be given to a more effective solution or improvement.
Moderate	Efforts should be made to reduce the risk. Risk reduction measures should be implemented within a defined time period. Where the moderate risk is associated with harmful/serious consequences further assessment may be necessary to establish more precisely the likelihood of harm as a basis for determining the need for improved control measures.
Substantial	The activity should not be started until the risk has been reduced. Considerable resources may have to be allocated to reduce the risk. Where the risk involves activity already in progress, urgent action should be taken.
Intolerable	Activity should not be started or continued until the risk has been reduced. If it is not possible to reduce risk even with unlimited resources, activity has to remain prohibited.

N.B. SHORT COURSE RACING

This year, racing on Saturday will take place over a 2,000m course.

For Sunday racing, the course will be shortened to use just the last 1,000m. This risk assessment has an additional section for the 1,000m course.

LAND BASED

LAND BASED	Probability	Severity of Outcome	Risk	Action
Occurrence	Highly Unlikely Unlikely Likely	Slightly harmful Harmful V. Harmful	Trivial Tolerable Moderate Substantial Intolerable	
Vehicle/Pedestrian/ Trailer collisions.	Unlikely	Harmful	Moderate	Segregate car parks
Fall hazard whilst unloading trailers	Injury to people doing unloading and/or damage to boats	Low	Low / Moderate	Clubs must ensure that competent people only do the unloading and towing trailers into position. British Rowing issue guidelines on this activity
Collision hazard due to trailer boats and cars	Injury to rowers and/or damage to boats	Moderate	Low	Car Park marshals to ensure trailers and cars are adequately parked to allow adequate space to manoeuvre boats & people and that no speeding is allowed Traffic restricted to rear of boat house is restricted and traffic passage through pedestrian areas restricted on Regatta days No spectator cars are allowed into the trailer parks and is limited to bank side parking and general car park under marshal supervision
Collision hazard on roads and paths due to cars and vehicles	Injury to cyclists, spectators. Rowers and/or damage to boats	Moderate	Low	Car movements are marshalled along the north access road and in the car park areas. Coaches have a designated parking spot. Bicycles are restricted to the paths and roads on the South side of the lake and on the umpiring island where they must observe a one way flow. Officials cars showing headlights, are allowed on to this island and access is via Marshals at both bridges. No pedestrians will be permitted to use

				the island roads. Signage will be in place throughout the regatta showing the intent of control. Circulation maps for cyclists will be displayed on the web site and at registration.
Minor injuries caused during rigging etc.	Likely	Slightly Harmful	Moderate	Provide space for rigging, keep areas for rigging remote from cycles, pedestrian paths etc. Provide First Aid cover
Helicopter landing pad	Injury to participants or damage to stored items	Low	Low	Dorney staff and all marshals to ensure that this area is permanently clear
Collisions between crowd and crews manoeuvring on land.	Likely	Slightly Harmful	Moderate	Provide Raft and Apron Marshals. Blade racks provided to reduce trip hazard.
Collisions between bicycles and pedestrians	Unlikely	Harmful	Moderate	Only cycles are allowed on island cycle track. Pedestrians are barred. Cycling prohibited on apron and Enclosure side of course
Trips and falls of spectators and competitors.	Likely	Slightly Harmful	Moderate	Provide walkways in enclosure and first aid cover.
Fatal illness amongst crowd, heart attacks etc.	Unlikely	Very Harmful	Substantial	Paramedic Unit on site
Dangers from Electrical equipment, computers, generators, cabling (on ground and overhead.)	Unlikely	Harmful	Moderate	Site to be inspected on preceding day and during racing.
Radio equipment failure.	Unlikely	Harmful	Moderate	Spare batteries provided plus list of key personnel mobile 'phone numbers.
Dangers from Inclement weather – thunder & lightning.	Unlikely	Harmful	Moderate	Oarsmen told not to hold carbon fibre blades vertically via tannoy Pedestrians warned not to stand under trees.
Fire in boathouse	Highly Unlikely	Harmful	Tolerable	Fire Exits & extinguishers
Fire in tented area.	Highly Unlikely	Slightly harmful	Trivial	Fire retardant material used for tents.
Vehicle / Vendor Van fire	Highly Unlikely	Harmful	Tolerable	Fire extinguishers on vans.
Bomb warning	Highly Unlikely	Harmful	Tolerable	Evacuation of area by PA & loudhailers
Major incident (air crash)	Highly Unlikely	Extremely harmful	Moderate	Evacuation of area by PA & loudhailer
Violent behaviour amongst crowd	Highly Unlikely	Slightly harmful	Tolerable	Emergency call to Police. URN to be provided.

WATER BASED

All boat movements on the water are covered by the British Rowing's Row Safe guide. The Code applies to all participants, who are responsible for self-policing the code. All coaches, marshals, umpires and officials enforce the code.

WATER BASED	Probability	Severity of Outcome	Risk	Action
Additional risk due to faulty equipment.	Likely	Harmful	Moderate	Control commission to carry out checks on bow balls, heel restraints, hatch seals and lifejackets (correct type, full gas cylinders, and knowledge of use)
Collision between Crews Training before Racing Commences.	Unlikely	Harmful	Moderate	No Practice Sessions will be permitted. Pontoons marshalled to prevent early boating.
Collisions between crews racing and crews warming up/down.	Likely	Harmful	Substantial risk	Racing Circulation Pattern in force at all times. This is designed to minimise collisions, and is enforced by Umpires afloat and Marshals on bank.
Crew member falling ill/ sustaining damage whilst still in boat.	Likely	Harmful	Substantial risk	Umpire to call for Safety boat, which then conveys casualty to rafts for medical attention. n.b. Junior crews prone to asthma attacks.
Competitor falling out of boat. Risk of drowning/hypothermia.	Likely	Harmful	Substantial risk	As Above
Failure of engine on powered vessel.	Likely	Slightly harmful	Trivial risk	Radio and verbal warnings given and boat paddled to nearest shore.
Wind causing "sinking" conditions e.g. "white horses"	Unlikely	Harmful	Substantial risk	Race Committee take decision to abandon racing. Crews told to return to rafts by safest lane, with Safety boats in attendance.
Thunder and lightning.	Unlikely	Extremely Harmful	Intolerable risk	If closer than 6 miles (lightning /thunder gap < 30 secs) Racing will be suspended. Crews instructed to reach the side of the lake and disembark quickly. Racing will be stopped on order from Race Control transmitted to all stations. Racing can be resumed after min. of 10mins of gap exceeding 30 secs. Competitors told via tannoy to keep clear of carbon fibre blades and boats.

Severely hot /sunny weather.	Likely	Slightly Harmful	Moderate risk	Marshals and Officials warned to wear sunscreen/hats for protection. Plenty of water to be made available and carried for emergencies by safety and Umpire boats.
Additional Items for 1000m course n.b. different circulation pattern.				
Crews being confused by new 1000m circulation pattern	Likely	Harmful	Substantial risk	Both variants of circulation pattern will be made available to Clubs prior to event and be on display at boathouse.