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Product		Surf Simulator Risk Assessment			
Hazard	Who's at risk?	What is the risk?	Control Measures	Risk Rating	Adequate Control Measures?
Electric Shock	Operator Participants Spectators	Injury to operator Injury to participants Injury to spectators	All electrical equipment is PAT tested annually. All electrical equipment is visual checked before and after each use for wear. All electrical equipment is IP rated to at least 44 and suitable and rated for outdoor use.	Low	Yes
Slips, trips and falls	Operator Participants Spectators	Injury to operator Injury to participants Injury to spectators	All wires or leads are ran around the perimeter of the site. Power source to be no longer then 25m from equipment. If crossing any foot paths or public areas wires to be covered or obstructed to reduce risk of tripping. Installation team to ensure no equipment is left after set up or collection. Users restricted to the area to the front of the inflatable only.	Low	Yes
Bad weather Rain/Showers (If outdoors)	Participants	Injury to participants	Inflatable not to be used in showers or rain due to increased slip risk. Inflatable to be towel dried once rain has stopped before use again.	Low	Yes
Bad weather High Winds (If Outdoors on grass)	Operator Participants Spectators	Injury to operator Injury to participants Injury to spectators	Inflatable not to be set up in winds of speeds over 24mph as per BSEN 14960:2013, if over this amount event to be called off or delayed until wind speed reduces. Inflatable to be anchored using all available anchor points include high level anchor points. Inflatable to be secured into the ground using metal stake inflatable pegs measuring at least 380mm in length and 16mm in thickness to conform with BSEN 14960:2013. Anchor pegs to be hammered into the ground at a 45% angle and to a level of no more than 25mm above ground to maximise resistance and meet BSEN14960:2013. Inflatable and anchor points are checked annually using the PIPA inflatable testing scheme and on each hire before and after to ensure there has been no damage. Wind Speeds to be visually monitored throughout the event by hirer or event staff -Beaumont Force 5 is a fresh breeze when small trees in leaf begin to sway anything above is not safe. weather forecasts are also used to predict the weather and wind speeds for the day of the event to pre-warn of any likely changes.	Low	Yes
Users behaviour	Operator Participants	Injury to operator Injury to Participants	All users supervised by a trained company staff member. Mechanical operation only operated by a trained company staff member. Only one user at a time. All users must be over the height of 1.2m tall. All users are explained do's and don'ts before using the ride. Safety Mats are place at the front of the unit. No users under the influence of alcohol or drugs to use the equipment. Users with a history of back, neck and heart problem, pregnant, felling unwell or any other medical conditions should not use the equipment. Users must wear suitable clothing and remove any loose, sharp objects, jewellery or personnel belongings from their person. No food and drink to be consumed on or around the inflatable.	Low	Yes
Manual Handling	Operator	Injury to operator	All members of staff are trained in manual handling. All members of staff not to lift any weight they cannot manage. Staff to use sack trolleys to move equipment.	Low	Yes
Power Loss	Participants	Injury to participants	If generators are being used fuel level to be checked each hour. Ensure enough fuel is available to cover the duration of the hire. All inflatables designed to keep enough pressure for all users to evacuate the inflatable in a safe and claim manner.	Low	Yes
<p>The above information is based on the manufacturers operating guidelines and BK Inflatables extensive use and experience of operating the equipment within current HSE requirements. The above risk assessment should be read in conjunction with BK Inflatables current Method Statement. BK Inflatables holds £5 million public liability insurance subject to the company's terms and conditions. Any incidents must be reported to BK Inflatables. If you have any questions relating to the use of the equipment, please contact BK Inflatables. Risk assessment completed and reviewed on 28th February 2026 by Michael Barr.</p>					
<p>BK Inflatables Limited – Registered in England No. 14333110 – N11 Troon Business Centre, Humberstone Lane, Leicester, LE4 9HA</p>					