

		STD2001-F01 HEALTH AND SAFETY RISK ASSESSMENT				
Title:	Tamarisk Events: Site Risk Assessment		Date:	04/10/2025	Location:	Manchester Ice Rink
Risk Assessment No:	041024V002	Associated SSOW No:		Version No:	0.2	
Reason for Assessment:		New Task	☒	*Details of accident being reviewed: Not applicable		
		Significant Change	☐			
		Periodic Review	☐			
		Central Directive	☐			
		Review Following Accident*	☐			
Task Description:		<i>Describe the task; provide a “story” that outlines the workplace, equipment and processes that are to be conducted.</i> This procedure outlines the requirements to proactively manage the risk associated with hazards on the site during both for the build and during the event to protect staff, members of the public and the infrastructure, and the steps required to be taken should a fire break out.				

What might be the types of hazard? Every Hazard identified **MUST** be addressed in the assessment

Other applicable Risk Assessments <i>Refer to the Site Master RAMS and reference any related assessments or relevant manufacturers documentation in this box:</i>		N/A.			
A. Slips, Trips & Falls ☒ B. Working at Height ☐ C. Manual Handling (specific MH RA required) ☐ D. Hit by moving vehicle ☐ E. Trapped by object ☐ F. Collision with object ☐ G. Struck by moving object ☐	H. Struck by falling object ☐ I. Contact with machinery / entanglement ☐ J. Sharp objects ☐ K. Violence ☐ L. Noise (specific Noise RA required) ☒ M. Extreme temperatures (Hot and Cold) ☐ N. Smoke or Dust ☐	O. Hazardous Substances (specific COSHH RA required) ☒ P. Vibration ☐ Q. Fire & Explosion specific RA required) ☐ R. Electricity ☐ S. Suffocation ☐ T. Animal attack ☐ U. Other ☒			

If "Other" please describe															
List any Existing Common Controls that are relevant to this task/activity NOTE: Every control <i>MUST</i> be referenced in the assessment															
1	Site checks				2	Staff training to be vigilant									
3	Following relevant industry regulations				4	Three hourly daily checks									
5	RA's, RAMS, and documents recorded and saved through SharePoint				6	Full electrical sign offs completed by Contractor									
7	Chlorine Dioxide Mains Injection applied in Café for clean water supply				8										
9					10										
11					12										
13					14										
Please add additional rows above if needed															
Who might be harmed?															
☒ Employees ☒ Contractors ☐ Agency Workers ☒ Customers			☒ Visitors ☒ Public ☐ Vulnerable People ☐ Other			Comments if Other, Multiple Groups or Vulnerable People									
Hazards		How may they be harmed?	Existing Controls		Risk Rating (Likelihood x Severity)			Additional Controls Required		Residual Risk			Action By Whom?	Action By When?	Action Status
					L	S	R			L	S	R			
PHYSICAL HAZARDS															
Trip factors including cables, temporary structures, uneven ground, and trackway.		Fall resulting in injury	All cables / pipework installed will be covered by purpose-built cable runs, be 'flown' securely at sufficient height if overhead, dug in to suitable depth or positioned away from areas of footfall. Staff made aware of any specific hazards via signs complying with the Health and Safety (Safety Signs and Signals) Regulation 1996. Site is a level grassed area so no hole's / uneven ground is expected however					Site to be monitored regularly and any trip hazards spotted to be dealt with via the Site Manager Any slips, trips or falls to be reported, recorded, and saved. Three hourly daily checks put in place for Rink Managers / Team to check				Site / Construction Managers (Tamarisk), Electrical Contractor Rink Managers & Tamarisk Management	Daily	Active	

		sand will be available for filling in should it be required. Sufficient lighting at peak pedestrian pathways. Any trackway installed to be fit for purpose and correctly installed. Entrance staircase to be suitably lit and to be checked in cases of severe frosting.				the venue, rink, access points are clear and safe for customers.						
Installation of lighting, sound, and other technical systems	Injuries from working at heights, faulty installation, or equipment.	Reputable contractor to supply lighting, sound and technical systems. All contractors to submit their own job specific risk assessment and method statement, insurance and verification that their equipment is in sound working order. All work at height will be undertaken by experienced crew only, working to the guidelines "The Work at Heights Regulations 2005". Any lifting equipment to be used to be compliant with Operations and Lifting Equipment Regulations 1998 (LOLER) and carry LOLER inspection certification. Please refer to individual supplier RAMS for details of these operations. Any PPE required by the above regulations will be provided and maintained by the contractor undertaking the task and in accordance to the "PPE Regulations 2002.				Site / construction Manager to ensure all technical installations are safely installed and/or positioned. Electrical sign off required by Electrical Contractor Site / Construction Manger to ensure all build team staff are trained in manual handling.				Site / Construction Managers (Tamarisk), Electrical Contractor Rink Managers & Tamarisk Management	Daily	Active
Installation of power supply: generators, cabling, and distribution.	Electrical shock / electrocution, arcing leading to fire and property damage	Reputable company with qualified staff to supply temporary power systems. Power contractor to submit their own risk assessment and method statement, insurance, and verification that the generators, cabling, and equipment are in sound working order.				Traders and staff not to interfere with electrical supply. Electrical sign off required by Electrical Contractor				Site / Construction Managers (Tamarisk), Electrical Contractor Rink Managers & Tamarisk Management	Daily	Active

		Power contractor to sign off on completion of work that all has been carried out within: - Electricity at Work Regulations 1989, - Electrical Safety, Quality & Continuity Regulations 2002 - BS7909:1998 Code of Practice for AC electrical supplies for entertainment lighting, technical services and related purposes - BS7671 17th Edition “Requirements for Electrical Installations” Only authorised and trained people allowed in areas of generators and distribution boards. All electrical supply and cabling to be fit for purpose for outdoor use. Generators located in secure, locked area and contained in fenced zone within this. All portable electrical equipment on site to be used will be PAT tested.				All Electrical Contractor RAMS saved and filed on SharePoint. Technical Zone fenced off with lockable gates allowing only authorised personnel to enter. CCTV Cameras to be installed and monitored around the Technical Zone. Cafe equipment PAT tested before it comes on site. Certificates attached.						
Installation of temporary structures; marquees, fencing, sound, lighting towers and barriers.	Collapse of improperly installed structure resulting in injury, fatality, and equipment damage	Arena Group supplying all onsite structures and will submit their own risk assessment and method statement, insurance and documentation of structural specs, wind load factors and other supporting safety certificates All structures are to be erected by competent persons. All structures to be independently checked by qualified structural engineer following completion of works. Structures to be monitored during periods of high winds or heavy rains to ensure integrity and Event Management				Daily site inspection with site inspection sheets being recorded and kept. Tamarisk Projector Manager end of build walk to take place to ensure nothing is missed by build team. Tamarisk Health and Safety Team member to be included in final venue walk and handover to event team.				Site / Construction Managers (Tamarisk), Electrical Contractor Rink Managers & Tamarisk Management	Daily	Active

		prepared to close the structure should the integrity be compromised.										
Lifting and manual handling.	Strains, sprains, crushing, other related injuries and damage to infrastructure.	All staff to be reminded / trained in proper manual handling techniques. Contractors to verify their training in manual handling according to the “Manual Handling Operations Regulations 2002” . Any lifting equipment used by contractors to comply with “LOLER regulations 2002” .				Staff to be given Health and Safety Training where required				Site / Construction Managers (Tamarisk), Rink Managers & Tamarisk Management	Daily	Active
Movement around the site during times of darkness.	Injury due to trips or collision.	Temporary lighting will be installed in all areas used by event attendees which will be in addition to existing lighting in the area. Cable and other event equipment will be installed in such a way as to avoid public walkways and other areas where they may cause a hazard. Lighting will be provided to guide public around trip hazards and towards exit points. Backup lighting used for green “running man” exit signs in marquee.				During the event Rink Manager to monitor site for areas of darkness.				Site / Construction Managers (Tamarisk), Electrical Contractor Rink Managers & Tamarisk Management	Daily	Active
Glass on site	Injury due to cuts	Staff to remove glass containers when located. No glass bottles or drink containers to be sold by the bar or food vendors.								Rink Managers & Tamarisk Management	Daily	Active

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		With exception to the Launch Event no drinks are sold onsite. Any broken glass to be reported and cleared away by Rink crew. Separate recycling location for glass waste created by the bar.										
Verbal or Physical Assault	Injury	During operational periods SIA registered security staff will be present (either at venue or rink). Rink Manager / Duty Manager to be in contact with security via radio. Monitor all guests for anti-social behaviours. If spotted, call for assistance from Security team / police where necessary. Ice rink Staff not to involve themselves in conflict situations.				Customer service training for staff included section on code words, radios, and crowd control. Site / Rink Manager provided with 'work' mobile phone to make any calls to Venue Control Room / Emergency Services / Police if required.				Rink Managers & Tamarisk Management	Daily	Active
Crowd Issues	Crowd crush injury and potential fatality	Event site rated to hold sufficient capacity for the expected attendance. Ticketed event to manage capacity. Event site is not enclosed, and area is completely free access providing multiple areas of safety. Staff to monitor situation should crowding be an issue. Evacuation procedures outlined in EMP. Lost child procedures outlined in EMP.				Availability reports available to Rink Managers each day to monitor number of ticket holders due on site across the day. Fire Emergency & Action Plan put in place for any kind of evacuation or incident. Customer Service Training to cover Fire Emergency & Action Plan with Rink Managers / Staff before live event.				Rink Managers & Tamarisk Management	Daily	Active

Medical Emergency	Individuals unable to locate and receive needed medical attention	Tamarisk to ensure there is sufficient first aid support onsite in line with EMP detail. Tamarisk to ensure there is sufficient medical facilities and first aid equipment at the event site including both pre and post event. Onsite team to be aware of location of first aid post and procedure. Radio contact for key staff with first aider All staff to be briefed on procedure for informing venue / emergency services for requesting assistance during a serious incident.				Medic to be onsite during live event in case of injury.				Rink Managers & Tamarisk Management	Daily	Active
Vehicle Collision with Public	Public queue at Ticket Office – minimal >10 at a time	Ice Rink Team to monitor queue numbers and instruct public to queue off the street/on the kerb If queue numbers are excessive public to be advised to move to path opposite the Ticket office Security personnel are available on site to monitor, assist and advise public as and when required Medic's are on site and available as required. Public footfall in the area is significant, any vehicles approaching the area will be moving very slowly.	1	2	3	If overcrowding becomes a major issue then ticket office to be closed and public advised to return another day	1	1	1	Rink Managers, SIA Security Personnel & Tamarisk Management	Daily	Active
Alcohol Misuse	Public order problems causing injury	Staff and Security to monitor all guests and members of the public for signs of intoxication. SIA qualified security will be onsite Staff and contractors prohibited from drinking during or before work.								Rink Managers, SIA Security Personnel & Tamarisk Management	Daily	Active

		No alcohol allowed on wider event site and solely contained within bar area										
CHEMICAL HAZARDS												
Generator Fuel (HVO – Hydronated Vegetable Oil)	Explosion, spills causing damage to environment.	Generator fuel to be stored in locked and bunded fuel storage containers. Qualified and competent fuel delivery company to refill tanks onsite. 2 x 110 litre Spill kits in place to clean up minor spills. Major spills to be isolated and reported to Local Authorities. Generators located in secure BOH compound and additional environmental site survey has been completed. All pipe work and fittings to be pressure tested, inspected and signed off in accordance with SYS038. No fluids are to be stored within 10m of inland water ways. Refuelling and movement of fluids between containers is only undertaken by competent experienced personnel or under the supervision of the same. Technical Zone to be fenced off with lockable gates allowing only authorised personnel to enter.				Only designated personnel (Rink Manager and their identified Deputies) to be trained on and have access to the Technical Zone. All training to be recorded and key personnel identified and made known. CCTV Cameras to be installed and monitored around the Technical Zone. Less fuel (4,000l less than 2022/3) shall be held on site. 2 no. 3000l fuel tanks will be on site reducing the amount of fuel to mitigate against the impact of any potential leak. Fuel Tanks shall be bunded and have locks fitted to them including bund audible alarm. Telemetry (text messages to Rink Manager and Project Managers) and audible alarms to be fitted to Generators and Fuel Tanks to alert Rink Staff to low levels of fuel. In the event of hydraulic fluid leak the plant equipment must be turned off immediately to reduce the amount of fluid that can				Rink Managers & Tamarisk Management	Daily	Active

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						be lost under pressure, and a spill kit to be used to minimise the exposed area. A service repair must be requested immediately, and the plant is not to be put into use for any reason until it has been repaired. All hoses and pipework to be inspected prior to use.						
Hazardous substances, chemicals & products	Chemical poisoning	Contractors using chemicals e.g., caterers must provide an adequate COSHH Risk Assessment in accordance with the Control of Substances Hazardous to Health Regulations 2002/5.								Team, Rink Managers & Tamarisk Management	Daily	Active
Waste Disposal	Cross contamination causing injury or illness	Provide adequate numbers of litter bins around the site. All waste is to be collected and safely secured as it is created. Dealt with in line with the Event Management Plan. Anyone dealing with waste to wear correct PPE provided by Tamarisk. Medical waste to be removed from site in medical waste containers. All construction waste to be disposed of by Tamarisk. Skip for build to be a closed skip. Waste removal contractors must be licensed waste carriers.				Three hourly daily checks put in place with litter checks in and around the rink venue. Recorded on Forms and monitored by Areana Management. Rink manager to make sure site is always clean and tidy.				Rink Managers & Tamarisk Management	Daily	Active

Stress, exhaustion and dehydration	Risk of collapse causing injury	Staff to get regular breaks. Drinking water available for Tamarisk Staff. Staff area available for all staff.				Staffing rotas managed and reviewed by Tamarisk Area Manager. Ensuring all Rink Managers get a day off. Recruitment agency to manage and monitor Rink Staff time sheets submitted by Rink Managers. Ensuring all staff are having a suitable break for their shift. Chlorinated water running into the café and carrying out dirty water. This Chlorinated clean water tap can be accessed by Rink Staff.				Rink Managers & Tamarisk Management	Daily	Active
BIOLOGICAL HAZARDS												
Cross Contamination in Food and Drinking water	Risk of food poisoning causing water borne illness	Site Management to ensure caterers conform to legislation regarding food hygiene, preparation, storage, handling, waste management, cleaning of cutlery and equipment and hygiene. Caterers follow current government guidelines and provide RAMS around this. Minimise food preparation onsite where possible.				Chlorinated water installed at café through WCS Group (Water Treatment Provider) to ensure clean water is available through tap in Café.				Construction Manager, WCS Group (Water Treatment Provider), Rink Managers & Tamarisk Management	Daily	Active
NATURAL PHENOMENA AND OTHER HAZARDS												
Inclement weather	Risk of injury or damage	Keep informed of weather conditions via reliable								Rink Managers & Tamarisk Management	Daily	Active

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		meteorological reports and have a storm plan ready in case. Shut down electrical appliances if necessary. In an electrical storm, keep people off land line telephones and away from water. Move people away from structures and consider site evacuation. Onsite Anemometer Available to ensure wind loading is not exceeded.										
Tents and other Structures in inclement weather	Risk of becoming unstable or collapsing causing injury or fatality.	Inspect structures after inclement weather for any movement and secure as required. Evacuation plan in place if required to evacuate areas of unstable structures.				Tamarisk Health and Safety Team member to be included in final venue walk and handover to event team. Three hourly daily checks, including site/venue safety structures checks, recorded on Forms and monitored by Arena Management. Fire Emergency and Action Plans updated and Rink Managers to go through with Rink Staff on training day before live event.				Construction Manager, Rink Managers & Tamarisk Management	Daily	Active
NATURAL PHENOMENA AND OTHER HAZARDS												
Slips and trips in marquee	Risk of public or members of staff falling or tripping whilst wearing ice skates	Public to put skates on using benches. Parents advised to support children when required.				Mats on floor in Skate Exchange, Skate on and off areas to give grip under skates.				Construction Manager, Rink Managers & Tamarisk Management	Daily	Active

Slips and trips whilst skating	Risk of public and staff falling whilst skating	All skate marshals sufficiently experienced to minimise risk and to be wearing Hi Viz. Rink staff on hand to assist should someone fall. All marshals in radio contact with skate exchange. Penguin skate aids available for rent for children under 120cm. Ice surface regularly inspected for suitability and resurfaced when required. Staff trained to monitor skating conditions and alert management should the surface deteriorate. First aid trained staff on hand to provide medical assistance should it be required. No loose clothing or exposed bags to be worn on ice, enforced by marshals.				Medic on site during live event.				Ice Marshals, Rink Managers & Tamarisk Management	Daily	Active
Inclement weather affecting rink surface	Risk to skaters if poor ice quality	Weather forecast to be checked regularly by management to ensure correct level of chilling if being supplied during periods of warmer temps. During periods of inclement weather more intensive maintenance and inspection will be carried out. Should surface become unsafe to skate on the Rink Manager will close rink to the public. (minimum depth exceeded, exposed pipework, unstable barriers). Presence of water on rink does not constitute a significant hazard.				Clear lines of communication through Tamarisk Management.				Rink Managers & Tamarisk Management	Daily	Active

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Collisions between skaters or injury due to falling	Risk to all skaters from collisions arising between skaters	Rink direction is set by ice rink team. Rink rules are clearly displayed, and marshals will be on hand to challenge skaters disobeying these. Skaters continually disobeying safety rules and marshal requests will be asked to leave. No bags or trailing / loose clothing on ice rink. Anyone exhibiting signs of being intoxicated will be prevented from skating.				Helmets are offered for free this year at the rink for parents to put on their children. Ice Marshals / Rink Team will not be able to help with the helmet but are able to hand them out at parent / customer request.				Ice Marshals, Rink Managers & Tamarisk Management	Daily	Active
Danger from Zamboni (ice resurfacer)	Risk to staff from collision or crushing from Zamboni during resurfacing	Only Rink Staff who attended the Tamarisk Zamboni Training Day will be allowed to operate the Zamboni under Rink Manager supervision. No access to rink except for essential staff during resurfacing. Staff to wear hi viz clothing during resurfacing.								Ice Marshals & Rink Managers	Daily	Active
Slips and trips caused by icy floors in maintenance area	Risk to staff from trips and slips due to snow on floor	Maintenance area to be kept clear of snow. Rock salt available for extra traction of floor. Only authorised staff to be in maintenance area.								Rink Managers	Daily	Active

Cuts from ice skate blades	Risk of cuts / lacerations from ice skate blades	Staff to brief public and especially children of danger. Blades on public skates not excessively sharp.								Rink Managers	Daily	Active
Collisions between skate aids and skaters	Risk of collision due to overcrowding on the rink surface from skate aids.	Suitable number of skate aids available for rink size. Staff to monitor ice rink capacity and only full complement of skate aids to be permitted when rink conditions are suitable. Systems in place to only allow a set number of skate aids for each session preventing overcrowding.								Ice Marshals, Rink Managers & Tamarisk Management	Daily	Active

Colleague Consultation <i>The following colleagues were consulted to facilitate a team approach to this risk assessment (E.G. First Line Manager, Safety Rep, Colleagues who do the job)</i>	Names		Job Title/Position	
	Rob Derry		Managing Director	
	Alice Fortescue		Account Manager	
	Dawn Faulkner		Business Administrator	

Risk Assessment Approval							
Risk Assessor			Job Title		Signature		Date
Line Manager			Job Title		Signature		Date

Revision History							
Risk Assessor		Signature	Job Title	Date	Line Manager	Signature	Date
1 st	Wes Lesar		Project Director	01/10/25	Rob Derry		Managing Director 01/05/25

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2 nd	Holly Callear		Rink Manager	01/10/25	Rob Derry		Managing Director	
3 rd								
4 th								
5 th								

RISK MATRIX

			Probability [Likelihood]				
5	Major	Severity [Consequence]	5	10	15	20	25
4	High		4	8	12	16	20
3	Medium		3	6	9	12	15
2	Low		2	4	6	8	10
1	Minor		1	2	3	4	5
			1 Improbable	2 Low	3 Medium	4 High	5 Almost Certain