

DIGGERLAND – RISK ASSESSMENT

Description of Activity

Diggerland is an Adventure Park where children and adults have the opportunity to ride and drive real construction equipment under the supervision of trained Marshals.

RISK ASSESSMENT

	Description of Hazard	Assessment of Risk	Control Measures	Residual Risk
1.	Slips, trips and falls.	High	Signs are in place to warn visitors of the dangers of slips, trips, falls and knocks due to uneven and slippery surfaces in all areas of the park. Every effort will be made to ensure that walkways are maintained. Where necessary, steel mesh walkways will be used. Handrails will be provided where there are steps. Non-slip flooring will be used both inside and outside of buildings.	Medium

	Description of Hazard	Assessment of Risk	Control Measures	Residual Risk
2.	Machine contact with visitors/other machines/static objects.	Medium	Secure safety barriers are in place. All tracked machines are fitted with track lever locks so that they cannot be tracked. Trained Marshals will escort visitors to and from the machines. Machines engines are switched off during loading/unloading. All driving rides are either restricted to limit speed or are in the direct control of a trained Marshal. Trained Marshals supervise all rides. Physical barriers are in place to prevent moving vehicles from reaching public walkways. Many machines are fitted with restrictors, limiting devices, radio control cut-outs etc. in order to improve their safety all in accordance with Risk Assessments for each individual machine. Some contact between machines is possible but not such that injury can be caused.	Low
3.	Injury resulting from falling while climbing onto or off the machine.	Medium	Visitors climbing on or off must be overseen by the marshal and assisted where required. Ground conditions will be monitored for slip/trip hazards. Visitors must enter/exit the machine facing the cab and must not jump off. Steps are used where necessary.	Low

	Description of Hazard	Assessment of Risk	Control Measures	Residual Risk
4.	Falling from moving machine.	Low	Seat belts will be worn and correctly adjusted (checked by trained Marshals). All driving rides are either restricted to limit speed or are in the direct control of a trained Marshal. Trained Marshals supervise all rides. Where it is especially important that visitors can not undo their own seat belts (Sky Shuttle & Spindizzy), all seat belts will be lockable.	Low
5.	Bumped heads or whiplash injury caused by sudden or violent movement.	Medium	Correctly fastened seatbelts must be worn. Machines will be run at low revs so that they will stall under excessive load. Many machines are fitted with restrictors, limiting devices, radio control cut-outs in order to improve their safety. Trained Marshals supervise all rides.	Low
6.	Overturning.	Medium	Operational areas are continually monitored to ensure that machines are kept level and safe. Additional stabilisers are fitted to some machines to ensure stability. Some machines are fixed to the ground. Many machines are fitted with restrictors, limiting devices, radio control cut-outs in order to improve their safety. Most rides are fitted with ROPS (Roll Over Protection System) frames.	Low

	Description of Hazard	Assessment of Risk	Control Measures	Residual Risk
7.	Significant changes to the ride characteristics caused by weather conditions.	Medium	A daily inspection of all ride areas will be made. In the event that excessive rain or snow compromise the safety of the ride it will be stopped.	Low
8.	Accident resulting from defect or breakdown of the vehicle.	Low	If a defect is suspected then the machine must be stopped immediately and the problem reported to a senior manager. A senior manager in accordance with the Daily Check sheet must carry out daily safety checks. A competent person in accordance with manufacturers recommendations must carry out maintenance of the machine.	Low
9.	Accident resulting from fire at the premises.	Medium	In the event of a fire at Diggerland the park will be evacuated. Assembly point in the event of a fire is the main car park. Fire Alarm systems are in place and tested/inspected in accordance with current regulations. Trained Staff will supervise the evacuation of the Park. If required emergency services will be called.	Low

DAILY CHECKS AND MAINTENANCE

- Daily maintenance must be carried out in accordance with the manufacturers machine manual by a competent person.
- Daily checks must be carried out in accordance with the “Daily Check Sheet” by a senior manager.

Written by: Mark Robson Diggerland Safety and Engineering Manager 10 May 2005