



OPEN SPACE SERVICES

JULY 27, 2020

Playground Audit MORGAN CARAVAN PARK PLAYGROUND

MID MURRAY COUNCIL



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Disclaimer

Whilst care has been taken to ensure the accuracy of the information provided in this report, Open Space Services and its employees, take no responsibility for any errors, omissions or changes to information that may occur and disclaim all responsibility and liability to any person in respect to anything done or omitted to be done in reliance upon information within this publication.

PREAMBLE

This report assesses the nominated play space against the relevant Australian Standards listed below.

Australian Standard AS 4685

Playground Equipment and Surfacing

Part 0: Development, installation, inspection, maintenance and operation

Part 1: General safety requirements and test methods

Part 2: Particular safety requirements and test methods for swings

Part 3: Particular safety requirements and test methods for slides

Part 4: Particular safety requirements and test methods for cableways

Part 5: Particular safety requirements and test methods for carousels

Part 6: Particular safety requirements and test methods for rocking equipment

Part 11: Particular safety requirements and test methods for spatial networks

Australian Standard AS 4422

Playground surfacing

Specifications, requirements and test methods

Marking

Individual play equipment structures are to be permanently marked with a plate clearly identifying the name, address, the equipment reference and year of manufacture and a base level mark for the associated impact attenuating surface. In addition, equipment stating compliance with the Australian Standards must be marked. Equipment not marked by the manufacturer will have an allocated serial number supplied, some equipment will have the same manufacturers number for all equipment, this too will receive an individual serial number for each piece of equipment, this will allow for easier identification

Access, Entrance and Surrounds

Playgrounds should have clear access for pathways and supervision without trip hazards, sharp protrusions or weeds. Rubbish bins, water bubblers and seats should be inspected regularly to ensure working order.

Free Height of Fall

The free height of fall must not exceed 1800mm for Supervised Early Childhood Settings and 3000mm for All Age Settings. The free height of fall is the greatest vertical distance measured from the intended body support of the equipment to the impact area below.

Fall zone

A minimal fall zone of 1500mm is required around equipment that have a height 600mm (with fall heights of more than 600mm above ground level) and between individual items of equipment. An increase in the falling space/impact area for equipment with platforms measuring more than 1500mm above ground level.

Falling spaces for specific equipment items with forced movement such as slides, swings and carousels. The falling space/impact area for equipment with forced movement cannot overlap with other falling spaces/impact areas.

Surfacing

Surfacing to Australian Standards 4685.0:2017 be provided across the falling space/impact area where play equipment provisions are more than 600mm above ground level.

Finish of Equipment

Equipment shall have no protruding nails, bolt threads, projecting wire rope terminations, pointed or sharp ended components. Surfaces are finished smooth with no splintering. All playground equipment should be structurally stable, in good condition and fit for children's play.

Protection Against Falling

Guardrails/barriers to be installed for heights of more than 600mm above ground level of intended use. Continuous handrails are required on each side of access ways and bridges. All items intended for gripping must have a diameter that measures between 16mm-45mm.

Head and Neck Entrapment

Head and neck entrapment refer to any opening at a height of more than 600mm above ground level that would allow a child's body to pass through but not their head. This can result in death or serious permanent injury. AS 4685 states that bound head and neck entrapment (dimensions of 89mm – 230mm), partially bound and V-shaped openings, shearing or moving openings (flexible and rigid parts with openings less than 230mm) must be avoided. It is therefore critical that any head entrapment hazards are eliminated immediately.

Clothing/Hair Entrapment

Toggle/clothing entrapment refers to situations where parts of clothing/hair may become trapped and may lead to serious or fatal injury.

Foot Entrapment

Foot entrapment refers to situations where gaps greater than 30mm present on surfaces inclined up to 45° intended for running/walking, completely bound rigid openings in surfaces for running/climbing.

Finger Entrapment

Finger entrapment refers to any opening that would allow a child's fingers or thumbs to be trapped in a fall situation and can be responsible for traumatic long-term injury. Gaps or openings with dimensions of 8-25mm at 1000mm or more above playing surface level must be eliminated.

Means of Access

Equipment is designed to provide safe ascent or descent. Means of access include steps, stairs, ladders and ramps. The equipment shall be designed to ensure that adults are able to gain access to assist children within the equipment.

Natural Playspaces

Natural play elements incorporated into a playground. Where this cannot be applied, a risk benefit assessment may be required to determine the suitability of such elements. A natural habitat will attract wildlife. Ensure that an inspection of the playspace is conducted before children enter. Regular maintenance to remove debris and weeds is recommended.

Documentation

The playground owner/operator must ensure that a Playground Safety Management System is established to include the recording and archiving of documentation.

Documentation to be archived includes:

- • Policies and procedures
- • Reports e.g. accident/injury
- • Inventory/Equipment register
- • Inspection checklists
- • Works orders
- • Maintenance actions
- • Certification records e.g. equipment, surfacing
- • Manufacturer's warranty details
- • Manufacturer's installation, inspection and maintenance instructions
- • Operating Instructions (if applicable)

Maintenance

Routine maintenance checks to be conducted on a regular basis. These include the inspection of all timber, wear and tear on chains, condition of all play items (cracks, corrosion, graffiti, etc), and insect infestation.

All maintenance schedules should be collected from suppliers of equipment and resources made available to meet the requirements of the maintenance schedule. Regular inspections are required. Timber components will require regular sealing and fixtures will require tightening. It is crucial that regular inspections and prompt repairs be carried out to ensure the safe upkeep of play facilities.

Please Note: The standards are not law and are intended as a guide to safety within playgrounds.

Certificate of Audit



22 Egret place
Hewett SA 5118

Consulting Services to Mid Murray Council

Date	Services Performed By:	Services Performed For:
July 27, 2020	Open Space Services 22 Egret place Hewett SA 5118	Mid Murray Council Morgan Caravan Park

This Certificate of Playground Auditing Summary is issued pursuant to the Australian Standards between **Mid Murray Council** and **Open Space Services** effective **July 27, 2020**

Note: If there is no serial number, the date plate will be used as the serial number with a sequence number attached if more than one date plate. If no serial number exists, one will be allocated to it.

- | | |
|------------------------------|------------------------------|
| Serial Number MCP-001 | Serial Number MCP-006 |
| Serial Number MCP-002 | Serial Number MCP-007 |
| Serial Number MCP-003 | Serial Number MCP-008 |
| Serial Number MCP-004 | |
| Serial Number MCP-005 | |

Date and time of audit

The Services commenced on **July 27, 2020**, and shall continue through **July 27, 2021**.

Certification with Outstanding's

Certifying Auditor: **Barry Rolton – Open Space Services**

Defects outstanding:**1**..... Defects corrected: Date:

Remedial works outstanding: Works completed: Date:

Outstanding remedial and defects completed by (Signature)





Certified safe to use with all works signed off from 3 months of date of signature:

Certifying Auditor sign off: _____ Date: _____

Risk Matrix

This report is a comprehensive Inspection Audit Report on the Riverton Primary School Playground located at the oval which is owned by the school. The audit was completed in accordance with the current Australian Standards for Playground Equipment. This document and its attachments are designed as part of the standard of care to identify the current condition of the playground equipment and the surrounding environment. The purpose is to identify any non-conforming conditions in accordance to the current Australian Standards:

		CONSEQUENCE				
		LITTLE OR NO INJURY	MINOR INJURY REQUIRING FIRST AID	MODERATE INJURY CAUSING ABSENCE FROM SCHOOL	SERIOUS INJURY WITH LONG TERM CONSEQUENCES	DEATH OR DISABILITY
LIKELIHOOD	RARE (Highly unlikely event)	LOW	LOW	LOW	LOW	LOW
	UNLIKELY (Conceivable event)	LOW	LOW	LOW	MEDIUM	MEDIUM
	POSSIBLE (Could occur event)	LOW	LOW	MEDIUM	MEDIUM	HIGH
	LIKELY (Almost certain event)	LOW	MEDIUM	MEDIUM	HIGH	HIGH
	ALMOST CERTAIN (Will occur event)	LOW	MEDIUM	HIGH	HIGH	UNACCEPTABLE RISK

	Low is the risk related to all other areas of the inspection, this does not require any works. Low is given rather than “No Risk” as there may be a risk that is unknown such as when the equipment gets hot, it could burn a toddlers skin.
	A medium risk is most likely to apply to top ups of loose fill top ups where the level has dropped as far as 200mm. This risk has the three month completion date and starts from the time of inspection.
	A risk assessment of high does have to be rectified or reach a risk assessment of low. This will usually take no longer than one month from the date of receiving the report.
	Any items or works under this risk assesment needs to be carried out as soon as possible or the item needs to be bunted off if iminant injury is possible.

Priority Rating

There are 4 priority rating

- Low** Minor problem, action should still be carried out in the next 12 months
- Medium** Indicates attention required within 2-3 months
- High** Indicates immediate attention required
- Urgent** Make safe, bunt off asap

General inspection of Play equipment and general area

On arrival, a general inspection is required for both safety and to identify the area and how it is generally utilised. This is also a requirement for risk assessment that was supplied at the time of quotation.











VISUAL INSPECTION		
Play Equipment	Findings	Rating
Debris in the playground that may be hazardous, such as broken glass, needles or animal fouling.	The playground is clean with no areas of debris.	LOW
Loose-fill surfacing levels that are at inadequate levels.	All the levels were in specification	LOW
Damage to unitary surfacing	No, synthetic surface within this playground.	LOW
Equipment that is broken or missing as a result of use or vandalism.	The play caravan has missing window holders	LOW
Graffiti.	No graffiti was seen	LOW
The condition of ancillary items, such as barbecues, tables, rubbish bins, etc.	All ancillary items were in as new condition	LOW
Dead or damaged overhanging branches that may potentially fall onto the playground.	No tree branches were causing or had the potential to cause a risk	LOW
Comments		
Refer to individual assessments for required work.		

COMPREHENSIVE ANNUAL INSPECTION

A comprehensive annual inspection requires the checking of all items listed in Clause 8.5.4, and 8.5.3., this inspection is intended to determine conformance with the relevant parts of AS 4685 and to establish the overall level of safety of the equipment.

Items to be assessed: (Hazards)	Assessment responses			Assessment review	Rating
	Yes	No	N/A		
SURFACING					
Is the playground free of concrete, asphalt or other non-impact absorbing material under play equipment? (Any hard surface should be removed and replaced with an impact-absorbing surface when fall height is greater than 600mm.)	Yes			All areas that require softfall have softfall.	LOW
Loose-fill material					
Is there adequate drainage to prevent rotting?	Yes			The area is mostly flat but the soil is free draining.	LOW
Does it extend at least 1.5m from all equipment that is less than 1.5m in height, or 2.5m from equipment that is up to 3m in height?	Yes			All equipment has the proper free fall ratings required.	LOW
Is the loose-fill surface material checked regularly to ensure a depth of at least 30cm? (Use a tool to dig down.)	Yes			Being a caravan park, it is regularly checked.	LOW
Is it raked regularly to check for hygiene and foreign objects that may cause injury?	Yes			Being a caravan park, it is raked regularly	LOW
Are the borders enclosing the loose-fill surfacing secure?	Yes			Good borders all around	LOW
EQUIPMENT					
Platforms, structures and frames					
Is the maximum height from which the user can fall 3m for general equipment, 2.2m for upper body equipment (e.g. jungle gym) or 1.5m for early childhood center's?	Yes			Highest platform is 1300 mm	LOW
Are all structural foundations free of movement, checked for wear and below ground level?	Yes			All structures were free of movement.	LOW
Are all structures free of rot or corrosion and have no missing ssen	Yes			Being only new thee is no corrosion that was ssen	LOW

parts, panels or fittings? (Check that plastic equipment is sound and free of cracks and deterioration from the sun.)					
Are all components designed to prevent water entering enclosed areas and free of deterioration? (Check cap ends, grommets, on bolts or screws.)	Yes			All caps and grommets are in place.	LOW
Are all components free of corrosion and bulging and all nails and fixings flush with surface or countersunk?	Yes			The equipment is new and is as installed	LOW
Are all bolts and fasteners secure?	Yes			All bolts and fasteners were secure	LOW
Are all exposed protrusions and sharp edges removed? (Check for protruding nails, rivets and bolts, which may need to be covered or sawn off.)	Yes			No protrusions or sharp edges were found	LOW
Are platforms and other standing surfaces free of moss, mold and other unhygienic matter that may cause corrosion or slipping?	Yes			The platforms are new and as new condition	LOW
Are all guardrails and barriers around decks and platforms secure, free of sharp edges and small enough for a child's grip?	Yes			All platforms are within specification	LOW
Are all equipment surfaces and parts in good order? (Check for splits, splinters, cracks, cuts and open joints. Look at specific pieces of equipment such as swings and slides. Swing seats should be made of a soft material rather than wood. Slides should have a smooth surface and gradual surface at the bottom.)	Yes			All surfaces were in good condition.	MEDIUM
Are the covers or guards which conceal pinch, crush or entrapment points well maintained?	Yes			The playground is a design that has very few guards.	LOW
Are all parts of each piece of equipment such as links, chains and fasteners, secure and not excessively worn? (Check for empty bolt holes, loose pieces of chain and S hooks not tightly		No		The caravan Cubby had broken holders	MEDIUM

closed. Replace pieces if wear is noticeable. Look at specific pieces of equipment such as swings and swinging bridges.)					
Are ropes securely fastened and all frayed rope ends trimmed and repaired? (Check that ropes have not been added to the original design.)	Yes			The net swing was as new with no signs of fraying	
Is rope, chain or tire nets in good repair and to the original design? (Check that rope and chain nets are secured top and bottom.)	Yes			All chains and rope netting are in good as new condition	
Are all access ramps and entrances to the equipment free of slipping and tripping hazards?	Yes			All entry and access are free of any trip or fall components.	
Are all access and entrance points to the playground and equipment free of exposed protrusions and sharp edges?	Yes			All entry and access are free of any trip or fall components.	
Are all entrapment points eliminated? (Check for any narrow openings, "V" shaped gaps or sharp angles hooks or protrusions, which could trap a child's head or limb.)	Yes			No entrapment points were found.	
Are all steps, ladders, guardrails and nets large enough to let a child get their body right through?	Yes			All areas are compliant	
Are slides free from toggle hang points where clothing and hats can get caught up in them?	Yes			The slide has an area which was tested as it looks like it could get the toggle caught, the toggle did not fowl at any test.	
Is there enough space between equipment so that children can move freely between areas without bumping or running into each other?	Yes			There is ample room for children to interact while equipment is being used, the areas between have no restrictions.	
Is the playground set out to allow for unobstructed supervision?	Yes			The playground items are can be seen from observation areas close to the play equipment.	
Are pathways around the playground clear of hazards? (Check for cracks, subsidence,	Yes			Most of the edging material is turfed or Hardstand which is all safe to transverse.	

jagged edges and signs of poor drainage such as puddles.)					
Is the playground environment in good condition and free of rubbish? (Check playing fields and concrete areas.)	Yes			The whole site is clean and tidy.	LOW
Comments					

FREE HEIGHT OF FALL AND FALLING HEIGHT

This is the greatest vertical distance from the clearly intended body support to the impact area below

NOTE* the intended body support includes those surfaces to which access is encouraged.

The parts of the play equipment that these include are any platform structure from 600mm and above. In nature play areas; this uses the same height range for impacts.

Platform or Structure	Height	Softfall depth	Rating
Height from top 2 platform support	1300mm	300mm	LOW

Multi Play

SN: MCP-001

SN: MCP-002

SN: MCP-003

SN: MCP-004

SN: MCP-005



OPERATIONAL INSPECTION

OPERATIONAL INSPECTION		
Play Equipment	Findings	Rating
Excessive wear of moving parts (including chain links).	The net swing had o wear, the only moving parts that did have problems were the caravan cubby holders which were broken.	LOW
Any protrusions and sharp edges.	No sharp edges or protrusions were found.	LOW
Are all bolts and fasteners secure?	All fasteners were secure	LOW
Are there any entrapments, hang points or catch points on any of the equipment?	No hang points or entrapment was found.	LOW
The structural adequacy and/or stability of all playground equipment including ancillary items. NOTE: Equipment that relies on a single anchor or attachment point should be carefully inspected.	The structural stability is acceptable on all items.	LOW
Excessive corrosion, particularly within structural members.	No corrosion was found on the equipment.	LOW
Impact and attenuating edges of swing seats, pommels and other moving equipment that can impact users.	All edges were as designed with no areas of concern.	LOW
Foundations for exposed concrete, rot and corrosion.	No exposed concrete was found and no base corrosion was identified.	LOW
Trees for potential hazards. NOTE: This may require the skills and competencies of a professional arborist.	No trees impact this area.	LOW
Are chain links or gap areas greater than 12mm or less than 8.6mm	The chains are within specification and no wear.	LOW
Are all structural attachments affixed tightly to their respective anchor points and attachment points sound with no wear or pull out from fixture points?	The equipment is a series of rigid structure with no moving parts.	LOW

Comments

This item of equipment is in as new condition, the equipment is newly installed



This item of equipment is in as new condition, the equipment is newly installed



This item of equipment is in as new condition, recently installed.



This item of equipment is in as new condition, recently installed.



This caravan cubby was still in good condition and only the window holders were broken, from what I could see this was they were not sufficiently robust enough for the purpose.



The broke holder receiver.



Ancillary Items

SN: MCP-006

SN: MCP-007

SN: MCP-008



OPERATIONAL INSPECTION

Comments

The barbecue is very clean I'm not going to turn this one on because it looks like it's quite good but I am because it's in the park and they could be kids around however it is in very good condition is clean tidy and has no protrusions



This new aluminum bench seat and table have is in as new condition. The item has not been bolted to the pavers but the weight does keep it from movement unless forced.



This aluminium bench seat is a new install and has very little wear to it.



Completion Criteria

The twelve-monthly audit undertaken by Open Space Services provide the following summary in regards to condition of the Play Equipment and summary of outstanding defects.

Serial Number of Play Equipment: [MCP - 001](#)

- No work needed

Serial Number of Play Equipment: [MCP - 002](#)

- No work needed

Serial Number of Play Equipment: [MCP - 003](#)

- No work needed

Serial Number of Play Equipment: [MCP - 004](#)

- No work needed

Serial Number of Play Equipment: [MCP - 005](#)

- New holders are required for the caravan cubby or remove them altogether.

Serial Number of Play Equipment: [MCP - 006](#)

- No work needed

Serial Number of Play Equipment: [MCP - 007](#)

- No work needed

Serial Number of Play Equipment: [MCP - 008](#)

- No work needed