

the safest hands around playgrounds

# **Annual Inspection**

**Wycombe District Council** 

The Pedestal Playing Field

Cookshall Lane, off Bradenham Road, West Wycombe, Buckinghamshire, HP12 4AH















# **RPII Inspection Methodology**

This document outlines the RPII position on inspections undertaken by the Inspectors listed on the RPII Register of Inspectors for Indoor Annual, Outdoor Annual, Outdoor Operational and Outdoor Routine.

Inspections are undertaken with reference to the standards listed in this preamble only; where no date for the standard is given it the date of the standard will be that current at the time of inspection with the exception of where overlap periods are granted by the standards committee when standards are updated. The information contained in reports is provided to assist the owner/operator in fulfilling their responsibilities as detailed in the relevant standard. Other standards referenced within the listed standards do not form part of the inspection.

The following standards are relevant to all installations of equipment that are publicly accessible to users; this would include public parks, pay and play parks, schools, nurseries, public houses, holiday parks, indoor play centres, farm parks etc. All equipment used or employed in publicly accessible areas should meet with the requirements of the relevant standards (listed below);

BS EN 1176 Parts 1, 2, 3, 4, 5, 6, 10 & 11 Playground equipment intended for permanent installation outdoors & indoors.

BS EN 1176 Part 7 - 'Guidance on Installation, Inspection, Maintenance and Operation' (this document gives guidance to the owners/operators of the facility on the installation, inspection, maintenance and operation of playground equipment, including ancillary items).

Domestic play equipment falls outside of the scope of BS EN 1176 and has its own standard (BS EN 71 – Safety of Toys). Where domestic equipment can be identified this will be acknowledged in the report but any comments concerning compliance within the inspection will still refer to BS EN 1176.

Other equipment that is not clearly identified as unsupervised or domestic (natural play, self-build equipment etc.) will be assessed for compliance with the relevant standard listed below:

BS EN 15312 - Multi use sports equipment BS EN 14974 - Wheeled sports equipment BS EN 16630 - Outdoor fitness equipment

BS EN 16899 - Parkour equipment (plus RPII/API guidance notes)

Annual and Post Installation inspections will take into consideration compliance with current standards and defects related to wear and vandalism. Items not listed in the report have not been included in the inspection. The inspection will cover the playground equipment and the active area up to 3.0 metres around, or the fence line if closer.

Operational inspections only take into consideration defects related to wear and vandalism. Routine visual inspections (if undertaken) relate only to the most obvious defects such as broken or missing parts, vandalism and issues created by severe weather conditions (the intention is to identify hazards created by storm damage).

The inspection is non-dismantling, non-destructive and does not include for any structural, toxicology or impact assessments defined in the standard; however, the inspector will undertake a manual test for stability and if equipment fails under manual load, or any other hazard is identified as an unacceptable risk, the owner/operator will be notified as soon as practicably possible.

The inspector will access all standing surfaces as necessary on the equipment and assess all parts up to 2.5m above the standing surface. Where it is not possible to access parts of the equipment without employing an alternative means of access the report will record the action required by the owner/operator to ensure the continued safe use of the equipment. Ancillary equipment will be assessed using the inspector's knowledge and experience of the standards named in this document to ensure as far as is reasonably practicable the continued safe use of the items concerned. The owner/operator is responsible for the overall safety of the equipment and area. Inspectors who are trained to use ladders may use them where it is safe to do so, but if members of the public are present on-site ladders may not be used to access the equipment.

The inspector will not undertake any of the following works unless specifically agreed in writing at the time of order:

Checking the depth and underlying structural integrity of any surface areas and/or carrying out any testing of impact absorbing properties of any surfaces. The identification of any corrosion, rot or other deterioration in any apparatus or equipment other than by an external inspection or the inspection of any equipment (or part thereof) that is underground. Tightening any bolts, hinges or other fixing devices on any apparatus or equipment. Assessing or inspecting any electrical installations contained on any site and/or apparatus and/or equipment. Assessing or inspecting any water supplies and/or water features and/or any associated computerised systems (including carrying out any programming).

Where planting or trees are mentioned in the report no aboricultural or horticultural assessments of toxicity, suitability or condition are undertaken; the owner/operator should have suitable inspections provided by a competent person.

The owner/operator should have a 'design risk assessment' provided by the manufacturer/designer of the area for the equipment and location in which the facility is installed.

The operator is responsible for managing risks of their provision and is required by law to carry out a 'suitable and sufficient assessment' of the risks associated with a site or activity and this inspection shall be considered as contributing to the operator's discharge of this responsibility.

The details contained within the report are a snapshot of the condition at the time of inspection only and subsequent events may affect the condition of the facility. Suggested remedial actions are based on the knowledge and experience of the inspector and/ or that of the inspection company. The owner/operator should seek the advice of the manufacturer or a competent person at all times when undertaking repairs and/or modifications to equipment.

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# Table 1

The operator is responsible for following the guidance of the relevant standards. The standards give guidance on the installation, inspection, maintenance and operation of the various types of facilities. The inspection guidance is listed in Table 1, with an indication of which parts will be included in an RPII Annual or Post-Installation Inspection. The relevant standards also contain additional parts which the operator should follow.

Inspection Recommendations of relevant standards Refer to relevant standards for full text	Annual Main	RPII Annual Outdoor/ Fully enclosed Inspection
6.1 and 6.2 c) Inspect and maintain in accordance with the manufacturer's instructions (see note 1)	<b>~</b>	<b>X</b> [1]
6.2 a) Identify obvious hazards	<b>V</b>	<b>✓</b>
6.2 b) Check for operation, stability and wear (see note 2)	<b>~</b>	<b>✓</b> [2]
6.2 b) Check sealed for life parts	<b>~</b>	×
6.2 b) Check for cleanliness, equipment ground clearances, ground surface finishes, exposed foundations, sharp edges, missing parts, excessive wear (of moving parts) and structural integrity (see note 2)	<b>~</b>	<b>✓</b> [2]
6.2 c) Overall levels of safety of equipment	<b>V</b>	<b>✓</b>
6.2 c) Overall levels of safety of foundations (see note 2)	<b>✓</b>	<b>✓</b> [2]
6.2 c) Overall levels of safety of surfaces (see note 3)	<b>V</b>	<b>✓</b> [3]
6.2 c) Compliance with the relevant parts of the standard (see note 4)	<b>~</b>	<b>✓</b> [4]
6.2 c) Undertaking the responsibility of the operator's periodic, systematic assessment of the effectiveness of all their safety measures (BS EN 1176-7, 8.2.1)	<b>~</b>	X
6.2 c) Effects of weather	<b>✓</b>	<b>✓</b>
6.2 c) Presence of rot or corrosion (see note 2)	<b>~</b>	<b>✓</b> [2]
6.2 c) Assessment of repairs made/added or replaced components (see note 5)	<b>~</b>	<b>✓</b> [5]
6.2 c) Excavation/dismantling/additional measures	<b>~</b>	×
6.3.1 Assessment of glass reinforced plastics (see note 6)	<b>~</b>	<b>✓</b> [6]
6.3.2 Maintenance of one post equipment (see note 2)	<b>~</b>	<b>✓</b> [2]

NB The clause numbers in table 1 are taken from BS EN 1176-7. The content is equally applicable to all other relevant standards listed herein.

- [1] Playgrounds contain a range of equipment from different manufacturers and installed over a number of years; operators should implement any guidance provided by the manufacturer. Item specific detail is not readily available to RPII Playground Inspectors, whose report contributes to the operator's overall Annual Main Inspection as detailed in the relevant standards.
- [2] A manual test only is undertaken for stability. Wear and instability are only detectable where readily apparent without dismantling or destruction and without the use of tools, excavation or specialist equipment. Rot and corrosion are tested for with a hammer and/or steel rod. Decay in timber may exist which can only be found with specialist equipment.
- [3] Only the visible condition and dimensional compliance of surface extent is considered. Neither testing of impact attenuating properties nor measurement of the thickness of bound surfaces are undertaken on RPII annual inspections.
- [4] The inspection assesses compliance where this can be tested on site using manual methods without dismantling, destruction and without the use of tools or specialist equipment.
- [5] The operator should use manufacturer's recommended parts, or equivalent. We are unable to verify if such parts have been used, and any subsequent change in quality or performance.
- [6] Visible glass fibres will be noted in reports. The operator is responsible for repairs or replacement.

### **Risk Assessment Matrix**

			Scores in the report are multiplication factors of Likelihood x Severity							
			Severity>>							
Likelihood	Very High probability, if the situation is not addressed an accident is almost certain.	5	Very High	VL (5)	L (10)	M (15)	H (20)	VH (25)		
	High probability an accident is probable without any added factor.	4	High	VL (4)	L (8)	M (12)	H (16)	H (20)		
	Moderate probability an incident is foreseeable.	3	Moderate	VL (3)	L (6)	L (9)	M (12)	M (15)		
	Some probability, requires a combination of factors to take place.	2	Low	VL (2)	VL (4)	L (6)	L (8)	L (10)		
	No significant probability; lightning strike, freak accident.	1	Very Low	VL (1)	VL (2)	VL (3)	VL (4)	VL (5)		
			Very Low	Low	Moderate	High	Very High			
			1	2	3	4	5			
	PI		No injury likely e.g. damaged or soiled clothing, minor bruising, grazes	Minor injury, laceration or bruising requiring first aid only	Injury requiring medical intervention e.g. cuts requiring stitches	Serious injury including concussions or fracture of long bones	Severe injury involving a potential life changing injury or fatality			
					Severity>>					

Note 1: The total risk scores included within our reports are a multipication factor of the calculated Likelihood and Severity of each finding. Both Likelihood and Severity are given a number between 1 - 5 as shown on the matrix above and these two numbers are then multiplied together to give the total risk score that is shown against defects on the report. Total risk scores can be divided in both directions, i.e. a total risk score of 12 could be a Likelihood (3) x Severity (4) or Likelihood (4) x Severity (3).

Note 2: When we inspect we only see a snapshot of the current condition of the equipment. It is the operators responsibility to ensure that there is a continuing level of maintenance to keep the equipment in good working order and the site fit for use.

#### Equipment has been assessed to the following standards where relevant:

BS EN 1176 Parts 1-11 (Playground equipment and surfacing)

BS EN 14974 (Facilities for users of roller sports equipment)

BS EN 15312 (Free access multi-sports equipment)

BS EN 16899 (Parkour Equipment)

BS EN 16630 (Outdoor Fitness Equipment).



# Site Information

Inspection Ref: 932483 Site Ref: 19687 Customer Order: N/A

Inspected: 26-September-2019 - 12:37 by Martin Lawrence (RPII Annual Inspector)

Risk Assessment: M 12 Moderate Risk



### Location:

The site is partially overlooked by properties in the local community

# Disabled Access:

Some accessible features; an area that presents difficulties to the majority of people with disabilities but in favourable circumstances and certainly in partnership can be accessed.





#### 6 - Low Risk

Item:Site GeneralManufacturer:Owner/Operator

Surface Type: N/A Equipment Compliance: N/A Surface Area Compliance: N/A

Total Findings: 1



#### Finding 1

There is some strimmer / machinery damage apparent on the posts, this can penetrate the preservative applied to the timber and accelerate the rotting process - Monitor for any deterioration (rot) and replace as required



#### 4 - Very Low Risk

Item: Fence

Manufacturer: Not Identified

Surface Type: Grass Equipment Compliance: N/A Surface Area Compliance: N/A

Total Findings: 1



#### Finding 1

This item is satisfactory - no work required -





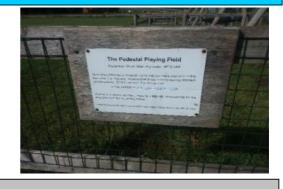
#### 4 - Very Low Risk

Item: Sign

**Manufacturer:** Owner/Operator

Surface Type: N/A Equipment Compliance: N/A Surface Area Compliance: N/A

Total Findings: 1



# Finding 1

This item is satisfactory - no work required -



# 🌇 4 - Very Low Risk

Item: Bench

Manufacturer:Owner/OperatorSurface Type:Paving Slabs

**Equipment Compliance:** N/A **Surface Area Compliance:** N/A

Total Findings: 1



# Finding 1

This item is satisfactory - no work required -





#### - Very Low Risk

Item: Litter Bin Manufacturer: Owner/Operator

**Surface Type:** Grass **Equipment Compliance:** N/A Surface Area Compliance: N/A

**Total Findings:** 1



#### Finding 1

This item is satisfactory - no work required -



#### 🧌 8 - Low Risk

Item: Multi Play (Junior)

Manufacturer: A.E.Evans

**Surface Type: Grass Matrix Tiles** 

**Equipment Compliance:** Surface Area Compliance: Yes

**Total Findings:** 4



#### Finding 1

The height of the slide runout is in excess of 350mm and fails the requirements of BS EN 1176: Part 3 - Monitor - No remedial work recommended

Finding 2

There is/are finger entrapment/s in the platform and the item fails to meet the requirements of BS EN 1176 Part 1 4.2.7.6 Entrapment of fingers - Monitor - No remedial work recommended

## Finding 3

There is algae or moss on the surface of the equipment -Clean and treat appropriately

#### Finding 4

The shackles are corroding - Consider replacing





#### 6 - Low Risk

Item:Swing BarrierManufacturer:Not Identified

Surface Type: Grass Equipment Compliance: N/A Surface Area Compliance: N/A

Total Findings: 1



#### Finding 1

There is some strimmer / machinery damage apparent on the posts, this can penetrate the preservative applied to the timber and accelerate the rotting process - Monitor for any deterioration (rot) and replace as required



#### 10 - Low Risk

Item: 1 Bay 2 Seat (Cradle)

Manufacturer: Setter Play
Surface Type: Grass Matrix Tiles

Equipment Compliance: Yes Surface Area Compliance: Yes

Total Findings: 4



#### Finding 1

The grass mats are silted up and the soil is compacted; this may have an effect on the impact absorbing properties of the surface - Consider HIC testing impact absorbing properties to ensure the correct surface qualities are maintained for the equipment and replace as required

#### Finding 2

There are caps missing from the underside of the seats - Replace missing caps under the seats

# Finding 3

The seat has minor damage or wear - Monitor for any further deterioration and replace as required

# Finding 4

This design of swing joint has been known to fail on the weld connecting the joint to the threaded stud - We would recommend that the joint be dismantled and checked on a regular basis or a Secondary Safety Device be fitted



12 - Moderate Risk

Basket Swing - Type 1 Item:

Manufacturer: Setter Play Surface Type: **Grass Matrix Tiles** 

**Equipment Compliance:** Surface Area Compliance: Yes

**Total Findings:** 5



Finding 1

There are gaps opening between the grass mat tiles -

Reinstate surface

Finding 2

The edge of the impact area is less than 1.5m from the fence; BS EN 1176, Annexe A; we consider this to be a low risk finding and no remedial action is required - Monitor - No remedial work recommended

Finding 3

The seat is severely damaged and requires replacing -

Replace damaged seat

Finding 4

The connecting links are in excess of 8.6mm and less than 12mm and fail the requirements of BS EN 1176 Part 1; clause 4.2.13. Chains - Monitor - No remedial work recommended

Finding 5

There are areas or parts of the timber support post on the structure that have rotted - Replace all affected timbers

👸 8 - Low Risk

Item: 1 Bay 2 Seat (Flat)

Manufacturer: Setter Play

**Grass Matrix Tiles** Surface Type:

**Equipment Compliance:** Surface Area Compliance: Yes

**Total Findings:** 

Finding 1

The surfacing around the item is damaged - Repair the

damaged areas of surfacing

Finding 2

The edge of the impact area is less than 1.5m from the fence; BS EN 1176, Annexe A; we consider this to be a low risk finding and no remedial action is required - Monitor - No remedial work recommended

Finding 3

Finding 4

The chain openings are in excess of the 8.6mm as recommended by BS EN 1176 - Monitor - No remedial work any further deterioration and replace when 40% worn

recommended

There is some notable evidence of chain wear - Monitor for





#### 8 - Low Risk

Item:Activity TrailManufacturer:A.E.Evans

Surface Type: Grass Matrix Tiles

**Equipment Compliance:** Yes **Surface Area Compliance:** Yes

Total Findings: 4



#### Finding 1

The timber has a number of splits/shakes or air cracks and this may affect the stability or allow water ingress which will accelerate the rotting process - Monitor to ensure the splits do not cross through fixing points of the structure and/or cause any instability

# Finding 3

The ropes/nets are worn/damaged in places - Monitor for any further deterioration and repair or replace as required

# Finding 2

There is algae or moss on the surface of the equipment - Clean and treat appropriately

#### Finding 4

Parts of the timber are rough or splintered - Remove all rough or sharp edges



#### 4 - Very Low Risk

Item:Table TennisManufacturer:Not IdentifiedSurface Type:Grass Matrix Tiles

**Equipment Compliance:** N/A **Surface Area Compliance:** N/A

Total Findings: 1



#### Finding 1

This item is satisfactory - no work required -





#### 6 - Low Risk

Item:Basketball PostManufacturer:Safe & Sound

Surface Type: Grass Equipment Compliance: Yes Surface Area Compliance: N/A

Total Findings: 1



# Finding 1

The surface is worn or damaged - Repair the to provide a uniform surface



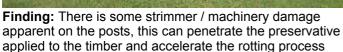
# **Findings information**

6 - Low Risk (Finding 1)

Item: Ancillary Items - Site General Risk Level: L - Low Risk

Manufacturer: Owner/Operator Surface: N/A







**Action:** Monitor for any deterioration (rot) and replace as required





Item:Activity Equipment - Multi Play (Junior)Risk Level:L - Low RiskManufacturer:A.E.EvansSurface:Grass Matrix Tiles



**Finding:** The height of the slide runout is in excess of 350mm and fails the requirements of BS EN 1176: Part 3



Action: Monitor - No remedial work recommended

# 5 - Very Low Risk (Finding 2)

Item:Activity Equipment - Multi Play (Junior)Risk Level:V - Very Low RiskManufacturer:A.E.EvansSurface:Grass Matrix Tiles



**Finding:** There is/are finger entrapment/s in the platform and the item fails to meet the requirements of BS EN 1176 Part 1 4.2.7.6 Entrapment of fingers



Action: Monitor - No remedial work recommended







# 8 - Low Risk (Finding 3)

Item:Activity Equipment - Multi Play (Junior)Risk Level:L - Low RiskManufacturer:A.E.EvansSurface:Grass Matrix Tiles





**Finding:** There is algae or moss on the surface of the equipment

Action: Clean and treat appropriately



# 4 - Very Low Risk (Finding 4)

Item:Activity Equipment - Multi Play (Junior)Risk Level:V - Very Low RiskManufacturer:A.E.EvansSurface:Grass Matrix Tiles





Finding: The shackles are corroding

**Action:** Consider replacing







# 6 - Low Risk (Finding 1)

Swings - Swing Barrier Item: Risk Level: L - Low Risk Manufacturer: Not Identified Surface: Grass



Finding: There is some strimmer / machinery damage apparent on the posts, this can penetrate the preservative applied to the timber and accelerate the rotting process



Action: Monitor for any deterioration (rot) and replace as required

#### 8 - Low Risk (Finding 1)

Swings - 1 Bay 2 Seat (Cradle) Item: Risk Level: L - Low Risk Manufacturer: Setter Play Surface: **Grass Matrix Tiles** 



Finding: The grass mats are silted up and the soil is compacted; this may have an effect on the impact absorbing ensure the correct surface qualities are maintained for the properties of the surface



Action: Consider HIC testing impact absorbing properties to equipment and replace as required







# 6 - Low Risk (Finding 2)

Swings - 1 Bay 2 Seat (Cradle) Risk Level: L - Low Risk Item: Manufacturer: Setter Play Surface: **Grass Matrix Tiles** 





Finding: There are caps missing from the underside of the Action: Replace missing caps under the seats seats



# 6 - Low Risk (Finding 3)

Swings - 1 Bay 2 Seat (Cradle) Risk Level: L - Low Risk Item: Manufacturer: Setter Play Surface: **Grass Matrix Tiles** 





Finding: The seat has minor damage or wear

Action: Monitor for any further deterioration and replace as required





# 10 - Low Risk (Finding 4)

Item:Swings - 1 Bay 2 Seat (Cradle)RisManufacturer:Setter PlaySuit



**Finding:** This design of swing joint has been known to fail on the weld connecting the joint to the threaded stud

Risk Level: L - Low Risk
Surface: Grass Matrix Tiles



**Action:** We would recommend that the joint be dismantled and checked on a regular basis or a Secondary Safety Device be fitted

# 6 - Low Risk (Finding 1)

Item:Swings - Basket Swing - Type 1Risk Level:L - Low RiskManufacturer:Setter PlaySurface:Grass Matrix Tiles



**Finding:** There are gaps opening between the grass mat tiles



Action: Reinstate surface



# 6 - Low Risk (Finding 2)

Item:Swings - Basket Swing - Type 1Risk Level:L - Low RiskManufacturer:Setter PlaySurface:Grass Matrix Tiles





**Finding:** The edge of the impact area is less than 1.5m from **Action:** Monitor - No remedial work recommended the fence; BS EN 1176, Annexe A; we consider this to be a

low risk finding and no remedial action is required

# √ 12 - Moderate Risk (Finding 3)

Item:Swings - Basket Swing - Type 1Risk Level:M - Moderate RiskManufacturer:Setter PlaySurface:Grass Matrix Tiles





Finding: The seat is severely damaged and requires

replacing

Action: Replace damaged seat



# 5 - Very Low Risk (Finding 4)

Item:Swings - Basket Swing - Type 1Risk Level:V - Very Low RiskManufacturer:Setter PlaySurface:Grass Matrix Tiles





**Finding:** The connecting links are in excess of 8.6mm and less than 12mm and fail the requirements of BS EN 1176

Action: Monitor - No remedial work recommended

Part 1; clause 4.2.13, Chains



12 - Moderate Risk (Finding 5)

Item:Swings - Basket Swing - Type 1Risk Level:M - Moderate RiskManufacturer:Setter PlaySurface:Grass Matrix Tiles







**Finding:** There are areas or parts of the timber support post **Action:** Replace all affected timbers on the structure that have rotted







8 - Low Risk (Finding 1)

Swings - 1 Bay 2 Seat (Flat) Item: Risk Level: L - Low Risk Manufacturer: Setter Play Surface: **Grass Matrix Tiles** 



Finding: The surfacing around the item is damaged

Action: Repair the damaged areas of surfacing



# 6 - Low Risk (Finding 2)

Item: Swings - 1 Bay 2 Seat (Flat) Risk Level: L - Low Risk Manufacturer: Setter Play **Grass Matrix Tiles** Surface:



Finding: The edge of the impact area is less than 1.5m from Action: Monitor - No remedial work recommended the fence; BS EN 1176, Annexe A; we consider this to be a low risk finding and no remedial action is required







# 5 - Very Low Risk (Finding 3)

Item:Swings - 1 Bay 2 Seat (Flat)Risk Level:V - Very Low RiskManufacturer:Setter PlaySurface:Grass Matrix Tiles





**Finding:** The chain openings are in excess of the 8.6mm as **Action:** Monitor - No remedial work recommended recommended by BS EN 1176



# 6 - Low Risk (Finding 4)

Item:Swings - 1 Bay 2 Seat (Flat)Risk Level:L - Low RiskManufacturer:Setter PlaySurface:Grass Matrix Tiles



Finding: There is some notable evidence of chain wear



**Action:** Monitor for any further deterioration and replace when 40% worn







# 6 - Low Risk (Finding 1)

Item:Activity Equipment - Activity TrailRisk Level:L - Low RiskManufacturer:A.E.EvansSurface:Grass Matrix Tiles





**Finding:** The timber has a number of splits/shakes or air cracks and this may affect the stability or allow water ingress fixing points of the structure and/or cause any instability which will accelerate the rotting process

# 8 - Low Risk (Finding 2)

Item:Activity Equipment - Activity TrailRisk Level:L - Low RiskManufacturer:A.E.EvansSurface:Grass Matrix Tiles





**Finding:** There is algae or moss on the surface of the equipment

Action: Clean and treat appropriately







Item:Activity Equipment - Activity TrailRisk Level:L - Low RiskManufacturer:A.E.EvansSurface:Grass Matrix Tiles







**Action:** Monitor for any further deterioration and repair or replace as required

# 6 - Low Risk (Finding 4)

Item:Activity Equipment - Activity TrailRisk Level:L - Low RiskManufacturer:A.E.EvansSurface:Grass Matrix Tiles







Action: Remove all rough or sharp edges





Multi Use Games Area - Basketball Post Risk Level: L - Low Risk Item: Manufacturer: Safe & Sound Surface: Grass







Finding: The surface is worn or damaged

Action: Repair the to provide a uniform surface