A to Z Recreation Co.
Certified Playground Safety Inspector
9670 Chilson Commons Circle, # 122
Pinckney, MI 48169
(866) 701-1735

Park / School / Company Name:	Solitude Neighborhood Park
Street Address:	6928 Alta Drive
City / State / Zip Code:	Brighton, MI 48116
Phone Number	(810) 231-3459
Email Address:	ishearing@charter.net
Primary Contact:	Linda Shearing
Inspection Date:	Friday, May 29, 2009
Report Date:	Tuesday, June 02, 2009

Reason for inspection:				
	Original	X	Complaint	
	Follow-Up		Interim	
	Renewal		Other	

Audit Summary (Based upon CPSC and ASTM Specifications):

Audit Section Headings	Question #'s	Compliant	Non-Compliant Major	Non-Compliant Minor
Section A: General Conditions				
Playground Border Factors	3	5	0	0
General Environment	4-14	8	0	5
Age/Size Appropriateness Design	15-17	2	0	1
Playground Protective Surface	18-22	1	4	0
Use Zone/Layout	23-28	2	1	1
Accessibility Design	29-43	0	0	3
Total		**18**	**5**	**10**
Section B: Specific Conditions				
Slides	44-62	0	0	0
Climbing Equipment	63-77	0	0	0
Upper Body Equipment	78-96	0	0	0
Stairways and Ladders	97-108	0	0	0
Decks and Platforms	109-120	0	0	0
Swings	121-139	21	1	3
Rotating and Rocking Equipment	140-159	17	2	1
Sand Play Areas	160-169	16	0	2
Total		**54**	**3**	**6**

Recommendation (If you have any questions concerning this report, please contact the inspecting person named below)

	A. This playground has been determined to be in substantial compliance with applicable rules.
X	B. Because of the above listed deficiencies, temporary approval is recommended until 11/01/09.
	C. This facility has been determined to be in substantial non-compliance with applicable rules. Approval is not recommended.

I certify this information is, to the best of my ability, true and correct.

Name of Inspector (Print or Type): Robert M. Wright, CPSI

Telephone Number: (810) 599-3977

A to Z Recreation Co.
Certified Playground Safety Inspector
9670 Chilson Commons Circle, # 122
Pinckney, MI 48169
(866) 701-1735

Agency Address (Number and Street)	City	State	Zip Code
9670 Chilson Commons Circle, # 122	Pinckney	MI	48116

Signature of Inspecting Person	Date of Inspection
Robert M. Wright	5/29/2009

Certificate Number	Valid Thru
10344-1010	10/1/2010

Important: See attached report for detailed responses and explanations to the listed compliant or non-compliant responses. A decision has been made to differentiate between major and minor non-compliances according standards established by the NRPA/NPSI/PDRMA published by Division of Professional Services National Recreation & Park Association.

Note:

Major Non-Compliances	Permanent disability, loss of life or body part in a high risk area. Permanent disability, loss of life or body part in a low risk area Serious injury or illness resulting in temporary disability
Minor Non-Compliance	Minor (non-disabling) Injury Non-compliant, existing condition does not present a safety

Important: Sketch on attached sheet the area that has been inspected and any other relevant areas. Include overview of play area, number of pieces of equipment, type, general location. Drawing is not to scale and is intended for reference only.

Background Information:

Playground/Park:	Solitude Neighborhood Park 6928 Alta Drive Brighton, MI 48116	Date of Audit:	5/29/09
		Agency:	A to Z Recreation Co.
Equipment Type:	Combination	Surfacing:	Pea Gravel
Inspected By:	Rob Wright, CPSI	Ages of Intended Users:	2 - 12

General Environment:

1 Category of playground (highlight all that apply):

Public School	Community Park	X
Private School	Neighborhood Park/Tot Lot	
Day Care &/or Preschool	Other (Please Specify):	

2 Equipment Inventory. Indicate the number of equipment pieces that exist.

A. Modular Structure(s)		B. Free standing equipment		C. Site amenities	
Stairways and Step Ladders				Benches	2
Vertical Rung Ladders		Swings (to-fro)	1-3Bay Swing	Tables	0
Rigid Climber		Tire Swings	0	Fountains	0
Flexible Climber		4 Person Spring Rider	1	Bike Rack	0
Decks and Platforms		Slides, Spiral	0	Parking Lot	1
Play Panel		Rigid Climbers (Volcano)	0	Signs	0
Slides (Entire Slide Unit)		Flexible Climbers	0	Trash Receptacles	0
Sliding Pole		Upper Body Equipment	0	Fencing	0
Horizontal Ladder		Sliding Poles	0	Pavilion	0
Horizontal Rings		Merry-Go-Round	0	Soccer Field (Not used by Preschool)	1
Track Ride		Sand Play Area	1	Baseball Backstop	1
Crawl Tube		Dome Climber	0		
Ramps		Play Panels	0		
Transfer Station		Crawl Tube	0		
Roofs		Tractor Tires	0		
Bridge		Little Tykes Slide	0		
Parallel Rails/ Overhead		Balance Beam	0		
Talk Tube		Wire Frame Vehicles	0		
		Fun Hoop	0		

Playground Manufacturer Information

Location: **Solitude Neighborhood Park** **Date:** **27-May-09**

I.D. Number	Item	Manufacturer	Address	City	State	Zip Code	Phone Number
1	3 Bay Swing Set	Unknown					
2	Spring Rider (4 Person)	Unknown					
3	Sand Box	Stick Built					
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							

3. Playground Border Factors:

Concerns and observations to be noted and accommodated for as part of the long term ongoing development plan for the designated play areas.

Playground Border Concerns or Distances Measurements	Distance from Play Edge	Compliant	Non-Compliances	
			Major Non-Compliance	Minor Non-Compliance
1st public street	< 100'	1		
2nd public street	N/a			
3rd public street	N/a			
4th public street	N/a			
Streets with heavy traffic	N/a			
Water (ponds/stream/drainage ditch)	N/a			
Soccer/football field	101'-199'	1		
Baseball/softball field from home plate	101'-199'	1		
Basketball court	N/a			
Parking lots	< 100'	1		
Railroad tracks	N/a			
Trees (not pruned up at least 7')	< 100'	1		
Other (Garage/Trailer/Wood Pile)	N/a			
Other (Rock Retaining Wall)	N/a			
Other (Fence Line Brush Covered)	N/a			
	Total	**5**		

Playground Audit Report:

	General Conditions	Compliant	Non-Compliant		Comments
			Major	Minor	
General Environment Concerns					
4	The playground can be accessed safely by a sidewalk that is free of standing water, sand, pea gravel & low hanging branches.	1			
5	If needed, a suitable barrier (fence) is provided for border concerns within 100' of playground edge. See question 3 for list of possible border concerns (CPSC 6.1).	1			
6	Seating (benches, outdoor tables) are in good condition (free of splinters, missing hardware or slats, protruding bolts, etc.).	1			No fence but residential street has very low traffic.
7	**Signs** give information about:				
a	• regulations on the use of the playground (hours, pets, specific rules, etc.).			1	Strongly recommend additional sign at park entrance.
b	• name and phone number of playground owner (to report problems).			1	
c	• age appropriateness of equipment (CPSC 6.3)			1	
8	Signs on all bordering roads advise motorists that a playground is nearby.			1	
9	Trash receptacles are provided and located outside of the play area.			1	Recommended to minimize trash and debris in play area.
10	Poisonous plants are removed from play area.	1			None noted
11	Shaded area is provided.	1			Small trees
12	The play area is visible to deter inappropriate behavior (CPSC 6.2).	1			
13	The play area is free from lead in paint (maximum 0.5% lead by dry weight targeted for lead hazard control) (CPSC 8.1).	1			
14	The play area is free from toxic materials and preservatives (CPSC 8.1).	1			Testing not performed but equipment is less than 15 years old and in good condition.
	Total	**8**	**0**	**5**	

Playground Audit Report:

Age/Size Appropriate Design					
15	Vertical rung ladder, net, chain, arch or tire climbers are not the sole means to access play equipment for 2-5 yr. old users (ASTM 7.2.2.1).	1			
16	Play equipment not recommended for 2-5 yr. old users: chain or cable walks, free standing arch climbers, free standing climbing events with flexible components, fulcrum seesaws, log rolls, long spiral slides > 360 degrees, overhead rings, parallel bars, swinging gates, track rides and vertical sliding poles (CPSC 6.3).	1			
17	The play area has signs that inform users of intended user age group (CPSC 6.3).			1	
	Total	**2**	**0**	**1**	

Playground Audit Report:

Playground Protective Surface					
18	All elevated play equipment (slides, swings, bridges, seesaws, climbing apparatus, etc.) has proper depth of impact-absorbing material underneath the structure. Refer to 1997 CPSC and ASTM F1487-01 and ASTM 1292 for specifications on conforming protective surface type, critical fall heights and how far surfacing should extend from structure (CPSC Section 4). Dirt, Asphalt, or Concrete is Major; Fall Heights exceeding critical heights of surface material is Major.		1		Measured 1-4" throughout. Need a minimum of 12" pea gravel to protect for 8' fall height of swing set. Spring Rider, minimum depth of 9".
19	Surfaces are inspected in season at least weekly and raked to prevent them from becoming packed down and to remove hidden hazards (e.g., litter, sharp objects, animal feces). (Daily=0 points, weekly=1 pt, monthly=5 pts, seasonally=10 pts) (CPSC 7.2)		1		no
20	Loose materials are inspected and replenished as recommended to maintain adequate depth and coverage annually. (CPSC 7.2)		1		no
21	Standing water is found within the use zones (CPSC 6.1).	1			None noted
22	The manufacturer's/designer's name plus a warning sign is attached to equipment stating equipment must be installed over impact absorbing surface (ASTM 14.3).		1		no
	Total	**1**	**4**	**0**	

Playground Audit Report:

Use Zone					
Note: If playground protective surface inspections are not documented m writing; add 15 points to section subtotal. All Use Zone Non-Compliances are Major Non-Compliances.					
Use Zone	There is a minimum use zone of 6' in all directions for all stationary equipment. Use zones for adjacent pieces of play equipment may overlap if the adjacent designated play surfaces are less than 30" above the protective surface. If either adjacent structure exceed 30", the minimum distance between the structures should be 9'. Rocking/springing equipment intended for users to stand upon is no less than 7'. Swings, slide exits, merry-go-rounds and moving equipment other than rocking equipment than less than 30" high shall not overlap use zones and be located along the playground perimeter away from high traffic areas. (CPSC section 5, ASTM section 9) Special note: exception ASTM 9.3.4, 9.2.1, w/9.8.1.		1		**Use zones on end of swing set are to small. There must be a minimum use zone on each end of 6' with appropriate surfacing. The use zone surrounding the spring rider must be extended to a minimum of 6' from the back edge of the seats.**
24	Swings with enclosed bucket swing seat use zone to the front and to the rear shall be a minimum distance of 2W, where W equals the distance from the top of the occupant's sitting surface to the pivot-point on the swing (CPSC 5.1.3, ASTM 9.4.1.2).	1			
25	Belt swings' use zone to the front and to the rear shall be a minimum distance of 2X, where X equals the distance from the top of the protective surface to the pivot-point on the swing (CPSC 5.1.3, ASTM 9.4.1.1).	1			Front and back use zones for swing are 15'. This is tight but once 12" of pea gravel is attained the actual fall height will only be 7' and thus the use zone will work as is.
26	Slides have adequate space from other equipment at the exit (height of slide or 6' from edge of slide; whichever is greater, but not more than 8'). (ASTM 9.6.2, 9.6.2.1, 9.6.3, Fig. A1.32).	N/a			
27	The use zone for a rotating swing (tire on swing) shall be a minimum of 6' in all directions of the support structure plus a minimum horizontal distance in all directions equal to the distance between the pivot point to the top of seat plus 6' (CPSC 5.1.4, ASTM 9.4.2).	N/a			
28	Barriers between equipment or for containment of surfacing material are installed so as not to create a trip hazard and are free of protrusions, splinters, sharp edges, etc. and are outside equipment use zone (CPSC 9.7).			1	Spikes need to be pounded into the surface so they do not protrude above the surface of the wood border. Currently they are potential trip and protrusion hazards.
	Total	**2**	**1**	**1**	

Playground Audit Report:

Accessibility

NOTE: The purpose of this audit form, with regard to accessibility, is to allow the audit inspector to determine compliance of the play area with ASTM F 1487-01. The goal of the inspector is to determine if a person with a disability has access to, on and through the equipment and play area. This audit form is not intended to assess design compliance with the soon to be released access board report.

The auditor shall indicate in the comments column and audit summary report, in your opinion, whether or not the playground is accessible per this simple three part question. Does the user have safe access to, through, and onto the playground equipment?

29	The playground has an accessible route with a maximum horizontal slope of 1:20 (greater than 1:20 would be considered a ramp) and a maximum cross-slope of 1:50 (access to and around the playground area is at least 60" wide (play areas <1000 sq. ft.) may be 36" wide) (ASTM 10.1.3).			1	Grass surface
30	Ramps are 36" wide minimum; with a slope between 1:20 and 1:12 and maximum 5 horizontal run of 12 feet (ASTM 10.2.2.1, 10.2.2.2).	N/a			
31	Landings are 60" minimum diameter at bottom and top of each run; landings with play components shall have area 30" x 48" to park wheelchair while not reducing adjacent circulation path to less than 36" (ASTM 10.2.2.4).	N/a			
32	For ramps, with 2 rails or no rails or barriers beyond the edge of the ramp or barriers not extending to within 1" of the ramp surface must have a curb 2" above the ramp surface (ASTM 10.2.2.8).	N/a			
33	For ramps higher than 30" (designed for 2-5 yr. olds) or higher than 48" (designed 10 for 5-12 yr. olds) barriers are provided (ASTM 7.4.4, 10.2.2.5).	N/a			
34	For ramps > 30" H (designed for 2-5 yr. olds) or > 48" H (designed for 5-12 yr. olds) where protective barrier is required, one handrail is provided on each side of a ramp at a height between 26-28". For ramps less than or equal to 30" H and 48" H (for 2-5 and 5-12 yr. olds, respectively) where a guardrail is required, two handrails are provided on each side that are between 12-16" H and 26-28" H (ASTM 7.4.3, 10.2.2.6, 10.2.2.7).	N/a			
35	Transfer point height is between 11"-18" with a clear width of minimum 24" and depth of no less than 14". Transfer point steps are a maximum of 8" high with handholds (ASTM 10.2.3.1-10.2.3.3, 10.3.1).	N/a			
36	Transfer pts. have; wheelchair turning space at base of transfer point; a clear space area of 60" minimum. T-shaped area in accordance with ASTM Fig. A 1-39a (ASTM 10.2.4.1).	N/a			
37	Accessible routes of travel within a use zone shall have an accessible safety surface.			1	Grass and pea gravel surface
38	Accessible restroom facilities, accessible seating, accessible drinking fountain and shade are located in or near the play area.			1	No restroom but not necessarily required either.
39	Wheelchair accessible platforms: single wheelchair passage 36"; two wheelchair passage 60"; single wheelchair and 1 able-bodied user 44"; openings between deck not greater than 0.50" (ASTM 10.2.5.1-10.2.5.4).	N/a			
40	Elevated wheelchair accessible play opportunities designed with different access and egress points, such as slides, allow the user to return unassisted to access the original transfer point (ASTM 10.3.2.1). Openings at those access/egress points are 15".	N/a			
41	Vertical leg clearance is not less than 24" for equipment that requires a wheelchair user to pull partially under, such as sand tables, with a top playing surface of no greater than 30" (ASTM 10.3.2.2).	N/a			

Playground Audit Report:

42	Wheelchair accessible upper body equipment, such as horizontal ladders and rings, are less than or equal to 54" high (ASTM 10.3.2.3).	N/a			
43	Wheelchair accessible manipulative equipment, such as interactive panels, are between 9"& 48" high for side reach and 20"-36" high for front reach from the accessible surface (ASTM 10.3.2.4, 10.3.2.5).	N/a			
	Total	**0**	**0**	**3**	

Playground Audit Report:

• **Important:** For the following audit sections, if multiple types of the same equipment exists (such as two swing sets), you can apply the questions to all multiple pieces of equipment as a whole. However, no more than full index points should be applied if a negative response exists on more than one piece of the same equipment. Also, deficiencies on a specific piece of equipment should be noted in the comments section for repair or future consideration.
Slides

Slides

44	Slides are accessed by stairs, step ladders, or platforms which are evenly spaced, ≤ 9" (2-5), ≤12" (5-12) apart, and pass the entrapment test. Refer to ASTM F 1487 Table 2 (CPSC 12.4.2).	N/a			
45	There is a flat surface the width of the slide bed at the top of the slide to help position the child for sliding (min. 14" deep going back from the slide bed way and min. 12" wide for 2-5 yr. old users and a min. 16" for 5-12 yr. old users) (ASTM 8.5.2.2, 8.5.2.3, 8.5.4.3).	N/a			
46	There are sufficient safety barriers at the top of the slide to prevent falls, with hand holds to assist standing to sitting transition and a means to channel the user to the sitting: position before slide entry (CPSC 12.4.3, ASTM 7.4, 8.5.3).	N/a			
47	Sides of bed ways are at least 4" high (CPSC 12.4.4, ASTM 8.5.4.4).	N/a			
48	No portion of the angle of the sliding surface exceeds 50 degrees with the average 10 angle of 30 degrees or less (CPSC 12.4.4, ASTM 8.5.4.1, 8.5.4.2).	N/a			
49	A flat sliding surface (run out zone) at the bottom of the slide is a min. of 11" long at transition point angle less than 5 degrees from the horizontal plane (CPSC 12.4.5, ASTM 8.5.5.1, 8.5.5.2).	N/a			
50	For slides ≥ 4' high, the slide exit height is between 7" and 15" above the protective surfacing material (CPSC 12.4.5, ASTM 8.5.5.3).	N/a			
51	For slides ≤ 4' high the slide exit height does not exceed 11" above the protective surfacing material (CPSC 12.4.5, ASTM 8.5.5.3).	N/a			
52	Tube slides have a minimum diameter ≥ 23". Outside surface should be textured or barriers provided to prevent sliding on the outside (CPSC 12.4.8, (ASTM 8.5.4.7).	N/a			
53	Only short spiral slides, with one turn or less (5.360"), are recommended for 2-5 yr. old users (CPSC 12.4.7).	N/a			
54	A clear area, height of 60" along slide chute and width of 21" from inside edge of side rail including the transition platform. Where no protrusions project more than 1/8" perpendicular to the plane of the initial surface. Underside of slide bed way is exempt (CPSC 9.4, ASTM 8.5.6.1 & 6.4.1, figures A1.14-A1.26).	N/a			
55	On roller slides, no opening allows a 3/16" rod to enter (ASTM 8.9.2.1).	N/a			

Playground Audit Report:

56	If the slide is made in several pieces, the sliding surface has no gaps or rough edges at the top of the slide or at section seams which could entangle clothing or trap foreign material (CPSC 12.4.3, 12.4.4, ASTM 6.4.1.2).	N/a			
57	The sliding surface faces away from sun or is located in the shade and isn't made of wood or fiberglass (CPSC 12.4.4).	N/a			
58	Sharp, Crush and Shear Points (CPSC 9.1, 9.5, ASTM 6.2, 6.5): • Equipment is free of sharp edges. • There are no open holes in the equipment forming traps (e.g. at the ends of the tubes). • There are no crush or shear points.	N/a			
59	Protrusions (CPSC 9.2, ASTM 6.3): • No components fail protrusion test. • Nuts, bolts and screws are recessed, covered or sanded smooth and level.	N/a			
60	Entanglements (CPSC 9.4, ASTM 6.4.2): • No obstacles or protrusions project upwards from a horizontal plane extending more than 1/8" perpendicular to the plane of the initial surface. - No more than two threads of the fastener protrude through any nut. • No protrusion increases in diameter from its initial surface (ASTM 6.4.4).	N/a			
61	Head Entrapments (CPSC 9.6, ASTM 6.1): • No components fail the entrapment test. • There are no failures of the partially bounded opening test. See Figs. A1.5-A1.9 in ASTM F 1487.	N/a			
62	General Concerns: • Nuts and bolts are tight and not able to be loosened without tools. - Upon close inspection, they show no loose play or excessive wear (CPSC 8.2, ASTM 4.2).	N/a			
a	• Equipment is free of rust and chipping paint (CPSC 8.1, ASTM 4.2.1).	N/a			
b	• Equipment is free of sharp edges, splinters or rough surfaces and shows no excessive wear (CPSC 9.1, ASTM 6.2).	N/a			
c	• Ropes, chains and cables have not frayed or worn out (CPSC 7.2, ASTM 4.2.3.1).	N/a			
d	• Equipment has not shifted or become bent (CPSC 8.1).	N/a			
e	• There is no corrosion or visible rotting at points where equipment comes into contact with ground surface (CPSC 7.2, 8.1, ASTM 4.1).	N/a			
f	• No components are missing. - All parts of the equipment are present and in good working order with no loose play or excessive wear in moving parts (CPSC 7.2, 8.1, ASTM 4.2).	N/a			
g	• Handgrips are between 0.95" and 1.55" in diameter (CPSC 10.2.1, ASTM 7.1.4.4).	N/a			
h	• Footings for equipment are stable and buried below ground level or covered by surfacing materials (CPSC 9.7).	N/a			
i	• Equipment is free of any litter, debris and surfacing material (ASTM 7.1.2).	N/a			
j	• Equipment use zone is free of litter and debris (CPSC 7.2).	N/a			
	Total	**0**	**0**	**0**	

Playground Audit Report:

Climbing Equipment					
Climbers refer to arch climbers, sliding poles, chain or net climbers, dome climbers, parallel bars, balance beams, cable walks, suspension bridges (clatter bridges), spiral climbers, and composite structures with linked platforms.					
63	Handholds stay in place when grasped and do not rotate on its axis (CPSC 10.4, ASTM 8.2.1).	N/a			
64	Climbing bars and handrails are between 0.95"-1.55" in diameter (CPSC 10.2.1, ASTM 8.2.1).	N/a			
65	Flexible access equipment anchoring devices are below level of playing surface (CPSC 12.1.3, ASTM 7.2.2.2).	N/a			
66	Flexible climbing devices used as access for use by 2-5 yr. olds, readily allows users to bring feet to the same level before ascending to the next level ≥12" (ASTM 7.2.2.4).	N/a			
67	Climbers don't have climbing bars or other structural components in the interior of the structure onto which a child may fall from a height of greater than 18" (CPSC 12.1.2).	N/a			
68	Accesses which don't have side handrails, such as rung ladders, arch or flexible climbers, are to have alternate hand-gripping support at transition. - The maximum horizontal opening must be 15" unless it has a top rail of a guardrail (CPSC 10.4, ASTM 7.4.3.2).	N/a			
69	Rung ladders, arch and flexible climbers used as access, are not above the designated play surface it serves (no trip hazard) (ASTM 7.3.3).	N/a			
70	Balance beam maximum height from the playing surface is 12" for 2-5 yr. old users and 16" for 5-12 yr. old users (CPSC 12.1.8, ASTM 8.1.1).	N/a			
71	No accessible components or hardware protrusions project upwards from a horizontal plane extending more than a 1/8" perpendicular to the plane of the initial surface. (CPSC 9.4, ASTM 6.4.2).	N/a			
72	All components of crawl through tunnels are secure and firmly fixed. The tunnel has two safe, clear exits and is designed to drain freely.	N/a			
73	Sharp, Crush and Shear Points (CPSC 9.1, 9.5, ASTM 6.2, 6.5): • Equipment is free of sharp edges. • There are no open holes in the equipment forming traps (e.g. at the ends of the tubes) • There are no crush or shear points.	N/a			
74	Protrusions (CPSC 9.2, ASTM 6.2): • No components fail protrusion test. • Nuts, bolts and screws are recessed, covered or sanded smooth and level. • No more than two threads.	N/a			
75	Entanglements (CPSC 9.4, ASTM 6.4.2): • No obstacles or protrusions project upwards from a horizontal plane extending more than 1/8" perpendicular to the plane of the initial surface. - No more than two threads of the fastener protrude through any nut. • No protrusion increases in diameter from its initial surface (ASTM 6.4.4)	N/a			
76	Head Entrapments (CPSC 9.6, ASTM 6.1): • No components fail the entrapment test. • There are no failures of the partially bounded opening test. See Figs. A1.5-A1.9 ASTM F 1487.	N/a			

Playground Audit Report:

77	General Concerns: • Nuts and bolts are tight and not able to be loosened without tools. • Upon close inspection, they show no loose play or excessive wear (CPSC 8.2, ASTM 4.2).	N/a			
a	• Equipment is free of rust and chipping paint (CPSC 8.1, ASTM 4.2.1).	N/a			
b	• Equipment is free of sharp edges, splinters or rough surfaces and shows no excessive wear (CPSC 9.1, ASTM 6.2).	N/a			
c	• Ropes, chains and cables have not frayed or worn out (CPSC 7.2, ASTM 4.2.3.1).	N/a			
d	• Equipment has not shifted or become bent (CPSC 8.1).	N/a			
e	There is no corrosion or visible rotting at points where equipment comes into contact with ground surface (CPSC 7.2, 8.1, ASTM 4.1).	N/a			
f	No components are missing. - All parts of the equipment are present and in good working order with no loose play or excessive wear in moving parts (CPSC 7.2, 8.1, ASTM 4.2).	N/a			
g	Handgrips are between 0.95" and 1.55" in diameter (CPSC 10.2.1, ASTM 7.1.4.4).	N/a			
h	Footings for equipment are stable and buried below ground level or covered by surfacing materials (CPSC 9.7)	N/a			
i	Equipment is free of any litter, debris and surfacing material (ASTM 7.1.2).	N/a			
j	Equipment use zone is free of litter and debris (CPSC 7.2).	N/a			
	Total	**0**	**0**	**0**	

Playground Audit Report:

Upper Body Equipment - Turning Bars, Overhead Swinging Rings, Horizontal Ladder, Climbing Ropes, Track Rides, Sliding Poles					
78	Upper body equipment, other than turning bars, not recommended for 2-5 yr. old users (CPSC 6.3).	N/a			
79	Upper body climbing equipment maximum height is 84" for 5-12 yr. old users, 60" for 2-5 yr. old users. (CPSC 12.1.5, ASTM 8.3.3)	N/a			
80	Maximum distance between rungs for upper body equipment is 15" and openings pass the entrapment test, 12" equal spacing for 4-5 yr. olds. (CPSC 9.6, 12.1.5, ASTM 8.3.2).	N/a			
81	Overhead swinging rings pass the entrapment test and chain is maximum length of 12" (CPSC 9.6, 12.1.5).	N/a			
82	Horizontal take-off distance from landing structure to first handhold of upper body equipment is no greater than 10"; if access and egress is by rungs, horizontal distance to first rung is at least 8", but no greater than l0" (ASTM 8.3.2).	N/a			
83	Maximum ht. of take off/landing for upper body equipment is 36" for 5-12 yr. old users, 18" for 2-5 yr. old users. (ASTM 8.3.4).	N/a			
84	There are no single non-rigid components (cable, rope, wire, or similar component) suspended between play units or from the round to the play unit within 45 degrees of horizontal, unless it is above 7 ft. from the playground surface and is a minimum of 1" at its widest cross-section dimension. It is recommended that the suspended components be brightly colored or contrast with surrounding equipment (CPSC 9.8, ASTM 6.6).	N/a			
85	Climbing ropes are secured at both ends and are not capable of being looped back on itself creating a loop with an inside perimeter of greater than 5" (CPSC 12.1.7, ASTM 6.5.1).	N/a			
86	Sliding pole clearance from structures is between 18" and 20" (CPSC 12.1.6, ASTM 8.4.1).	N/a			
87	Sliding pole is a minimum of 60" above the access platform (CPSC 12.1.6, ASTM 8.4.3).	N/a			
88	Sliding pole is a maximum 1.9" in diameter and continuous with no protruding welds or joints or abrupt changes in direction within sliding area (CPSC 12.1.6, ASTM 8.4.4, 8.4.5).	N/a			
89	Track rides; the lowest portion of the hand gripping component is a minimum 64" above protective surface with maximum height of 78" (ASTM 8.13.2).	N/a			
90	Elevated landing platforms may not exceed 36" and must include a landing space with a min. length of 36" and width of 32" (ASTM 13.3) • 5% 5 yr. old vertical grip reach is 45" (ASTM 8.18.8)	N/a			
91	An unobstructed clearance zone throughout the length of travel of hand gripping component (ASTM 8.13.5). • Center to center distance between adjacent track rides ≥48" (ASTM 8.13.6). Note: Roller portion of hand gripping component exempt of crush and shear requirement when enclosed in track (ASTM 8.13.7).	N/a			

Playground Audit Report:

92	Sharp, Crush and Shear Points (CPSC 9.1, 9.5, ASTM 6.2, 6.5): • Equipment is free of sharp edges. • There are no open holes in the equipment forming traps (e.g. at the ends of the tubes). • There are no crush or shear points.	N/a			
93	Protrusions (CPSC 9.2, ASTM 6.2): • No components fail protrusion test. • Nuts, bolts and screws are recessed, covered or sanded smooth and level. • No more than two threads.	N/a			
94	Entanglements (CPSC 9.4, ASTM 6.4.2): • No obstacles or protrusions project upwards from a horizontal plane extending more than 1/8" perpendicular to the plane of the initial surface. - No more than two threads of the fastener protrude through any nut. • No protrusions increase in diameter from its initial surface (ASTM 6.4.4)	N/a			
95	Head Entrapments (CPSC 9.6, ASTM 6.1): • No components fail the entrapment test. • There are no failures of the partially bounded opening test. See Figs. A1.5-A1.9 in ASTM F1487.	N/a			
96	General Concerns: • Nuts and bolts are tight and not able to be loosened without tools. - Upon close inspection, they show no loose play or excessive wear (CPSC 8.2, ASTM 4.2).	N/a			
a	• Equipment is free of rust and chipping paint (CPSC 8.1, ASTM 4.2.1).	N/a			
b	Hardware/General Concerns (cont.): • Equipment is free of sharp edges, splinters or rough surfaces and shows no excessive wear (CPSC 9.1, ASTM 6.2).	N/a			
c	• Ropes, chains and cables have not frayed or worn out (CPSC 7.2, ASTM 4.2.3.1).	N/a			
d	• Equipment has not shifted or become bent (CPSC 8.1).	N/a			
e	• There is no corrosion or visible rotting at points where equipment comes into contact with ground surface (CPSC 7.2, 8.1, ASTM 4.1).	N/a			
f	• No components are missing. - All parts of the equipment are present and in good working order with no loose play or excessive wear in moving parts (CPSC 7.2, 8.1 ASTM 4.2).	N/a			
g	• Handgrips are between 0.95" and 1.55" in diameter (CPSC 10.2.1, ASTM 7.1.4.4).	N/a			
h	• Footings for equipment are stable and buried below ground level or covered by surfacing materials (CPSC 9.7).	N/a			
i	• Equipment is free of any litter, debris and surfacing material (ASTM 7.1.2).	N/a			
j	• Equipment use zone is free of litter and debris (CPSC 7.2).	N/a			
	Total	**0**	**0**	**0**	

Playground Audit Report:

Stairways, Rung Ladders, and Step Ladders					
97	Continuous handrails on both sides for stairways >1 tread; on those with only 1 tread, an alternate means of hand support or handrail is present. Handrail height is between 22" and 38" beginning at first step (CPSC 10.3.1, ASTM 7.1.4).	N/a			
98	Children can descend equipment when they reach the top. (via platform, stairway, or step ladder) (CPSC 12.1.2).	N/a			
99	Steps and rungs do not allow for accumulation of water and debris (CPSC 10.2, ASTM 7.1.2).	N/a			
100	Net, chain, arch or tire climbers not the sole means to access equipment for play areas for 2-5 yr. old users (CPSC 12.1.3, ASTM 7.2.2.1).	N/a			
101	Steps and rungs are evenly spaced within a tolerance of +0.25 inches and horizontal within a tolerance of +2 degrees. This includes the spacing between the top step or rung and the surface of the platform (ASTM 7.1.1).	N/a			
102	Openings between steps or rungs and between the top step or rung and underside of a platform pass the testing requirements for head entrapment (CPSC 9.6.1, 10.2, ASTM 6.1)	N/a			
103	All stairwells, step ladders and rung ladders, as it relates to the intended users, conform with access slope; tread, rung, and ramp width; tread depth; and vertical rise specifications as per ASTM F1487 Table 2 (CPSC 10.2).	N/a			
104	Sharp, Crush and Shear Points (CPSC 9.1, 9.5, ASTM 6.2, 6.5): • Equipment is free of sharp edges. • There are no open holes in the equipment forming traps (e.g. at ends of the tubes). • There are no crush or shear points.	N/a			
105	Protrusions (CPSC 9.2, ASTM 6.2): . • No components fail protrusion test. • Nuts, bolts and screws are recessed, covered or sanded smooth and level. • No more than two threads.	N/a			
106	Entanglements (CPSC 9.4, ASTM 6.4.2): • No obstacles or protrusions project upwards from a horizontal plane extending more than 1/8" perpendicular to the plane of the initial surface. - No more than two threads of the fastener protrude through any nut. • No protrusion increases in diameter from its initial surface (ASTM 6.4.4)	N/a			
107	Head Entrapments (CPSC 9.6, ASTM 6.1): • No components fail the entrapment test. • There are no failures of the partially bounded opening test. See Figs. A1.5-A1.9 in ASTM F 1487.	N/a			

Playground Audit Report:

108	General Concerns : • Nuts and bolts are tight and not able to be loosened without tools. - Upon close inspection, they show no loose play or excessive wear (CPSC 8.2, ASTM 4.2).	N/a			
a	• Equipment is free of rust and chipping paint (CPSC 8.1, ASTM 4.2.1).	N/a			
b	• Equipment is free of sharp edges, splinters or rough surfaces and shows no excessive wear (CPSC 9.1, ASTM 6.2).	N/a			
c	• Ropes, chains and cables have not frayed or worn out (CPSC 7.2, ASTM 4.2.8.1).	N/a			
d	• Equipment has not shifted or become bent (CPSC 8.1).	N/a			
e	• There is no corrosion or visible rotting at points where equipment comes into contact with ground surface (CPSC 7.2, 8.1, ASTM 4.1).	N/a			
f	• No components are missing. - All parts of the equipment are present and in good working order with no loose play or excessive wear in moving parts (CPSC 7.2, 8.1, ASTM 4.2).	N/a			
g	• Handgrips are between 0.95" and 1.55" in diameter (CPSC 10.2.1, ASTM 7.1.4.4).	N/a			
h	• Footings for equipment are stable and buried below ground level or covered by surfacing materials (CPSC 9.7).	N/a			
i	• Equipment is free of any litter, debris and surfacing material (ASTM 7.1.2).	N/a			
j	• Equipment use zone is free of litter and debris (CPSC 7.2).	N/a			
	Total	**0**	**0**	**0**	

Playground Audit Report:

Decks and Platforms					
109	Unless an alternate means of access is provided, the maximum difference in height between stepped platforms for 2-5 yr. olds is 12" and for 5-12 yr. olds is 18" (CPSC 11.7, ASTM 7.4.5.1).	N/a			
110	There is a 29" high (min.) protective perimeter barrier around 2-5 yr. old users' equipment that is more than 30" above the underlying surface (CPSC 11.5, ASTM 7.4.4.1, 7.4.4.3).	N/a			
111	There is a 38" high (min.) protective perimeter barrier on all elevated surfaces 48" above the underlying surface for 5-12 yr. old users' equipment (CPSC 11.5, ASTM 7.4.4.1, 7.4.4.3).	N/a			
112	The space between slats of protective barriers and guardrails is not between 3-1/2" and 9" and passes the entrapment test (CPSC 9.6, ASTM 6.1).	N/a			
113	Guardrails or protective barriers are present on all elevated surfaces ≥ 20" above the underlying surface for 2-5 yr. old users' equipment (29" top edge, 23" lower edge) (CPSC 11.4, ASTM 7.4.3.1-7.4.3.4).	N/a			
114	Guardrails or protective barriers are present for all elevated surfaces ≥ 30" above the underlying surface for 5-12 yr. old users' equipment (38" top edge, 28" high lower edge) (CPSC 11.4, ASTM 7.4.3.1-7.4.3.4).	N/a			
115	No partially bounded openings are projecting upwards from the horizontal plane that are greater than 1 7/8" or less than 9" and fail the test method for partially bounded openings. See ASTM F1487 Figures A1.5- A 1.9 (ASTM 6.1.4).	N/a			
116	Sharp, Crush and Shear Points (CPSC 9.1, 9.5, ASTM 6.2, 6.4, 6.5): • Equipment is free of sharp edges. • There are no open holes in the equipment forming traps (e.g. at ends of the tubes). • There are no crush or shear points.	N/a			
117	Protrusions (CPSC 9.2, ASTM 6.2): • No components fail protrusion test. • Nuts, bolts and screws are recessed, covered or sanded smooth and level. • No more than two threads.	N/a			
118	Entanglements (CPSC 9.4, ASTM 6.4.2): • No obstacles or protrusions project upwards from a horizontal plane extending more than 1/8" perpendicular to the plane of the initial surface. - No more than two threads of the fastener protrude through any nut. • No protrusion increases in diameter from its initial surface (ASTM 6.4.4).	N/a			
119	Head Entrapments (CPSC 9.6, ASTM 6.1): • No components fail the entrapment test • There are no failures of the partially bounded opening test. See Figs. A1.5-A1.9 in ASTM F1487.	N/a			
120	General Concerns: • Nuts and bolts are tight and not able to be loosened without tools. - Upon close inspection, they show no loose play or excessive wear (CPSC 8.2, ASTM 4.2).	N/a			
a	• Equipment is free of rust and chipping paint (CPSC 8.1, ASTM 4.2.1).	N/a			
b	• Equipment is free of sharp edges, splinters or rough surfaces and shows no excessive wear (CPSC 9.1, ASTM 6.2).	N/a			
c	• Ropes, chains and cables have not frayed or worn out (CPSC 7.2, ASTM 4.2.3.1).	N/a			

Playground Audit Report:

d	• Equipment has not shifted or become bent (CPSC 8.1).	N/a			
e	• There is no corrosion or visible rotting at points where equipment comes into contact with ground surface (CPSC 7.2, 8.1, ASTM 4.1).	N/a			
f	• No components are missing. - All parts of the equipment are present and in good working order with no loose play or excessive wear in moving parts (CPSC 7.2, 8.1, ASTM 4.2).	N/a			
g	• Handgrips are between 0.95" and 1.55" in diameter (CPSC 10.2.1, ASTM 7.1.4.4).	N/a			
h	• Footings for equipment are stable and buried below ground level or covered by surfacing materials (CPSC 9.7).	N/a			
i	• Equipment is free of any litter, debris and surfacing material.	N/a			
j	• Equipment use zone is free of litter and debris.	N/a			
	Total	**0**	**0**	**0**	

Playground Audit Report:

Swings					
121	All swings, to and fro and rotating are not attached to main structure and support structure discourages climbing and has no designated play surface (CPSC 12.6.2, ASTM 8.6.1.1, 8.6.1.2).	1			
122	All flying animal figure swings, multiple occupancy swings (except tire swings), rope swings, swinging gates, giant strides and trapeze bars are removed from public playgrounds (CPSC 12.6.4, ASTM 8.7.1).	1			
123	Swing seats meet entrapment criteria (CPSC 12.6.3).	1			
124	All swing seats are made of canvas, rubber, or other lightweight material (CPSC 12.6.2, ASTM 8.6.1.3).	1			
125	There are no open "S" hooks (no openings greater than or equal to 0.04") (CPSC 12.6.1, ASTM 6.4.5).			1	Most S-Hooks are open and need reclosed.
126	Infant bucket type swing seats should be X mounted ≥ 24" above the surface (CPSC).			1	**Currently 23.5" but with new surfacing being added these will need to be raised to maintain min. height of 24" above the surface.**
127	There are no more than two swings, evenly spaced, in any individual swing bay (CPSC 12.6.2, ASTM 8.6.1.3). Swing seat shall be of the same type in each bay. (CPSC 12.6.3)	1			
128	Swings are at least 24" from each other and 30" away from the frame. See ASTM Figs. A1.23, A1.24 (CPSC Fig. 22, ASTM 8.6.1.5).	1			
129	Vertical distance is at least 12" between underside of occupied seat and protective surface 2-5, (16" 5-12) (CPSC 12.6.2, ASTM 8.6.1(5)).	1			Currently 14" but will need to be raised to maintain the min. 12" above the surfacing once new material is added.
130	Swing hangers are spaced wider than seats, not less than 20" (CPSC 12.6.2, ASTM 8.6.1(4)).	1			
131	For tire swings, there is at least a 30" clearance zone from the top of the seating surface to crossbeam support structure at the farthest extensions of the swing, and a minimum clearance of 12" from the bottom of the tire to the protective surface (CPSC 12.6.4, ASTM 8.6.2.5(2)).	N/a			
132	Swing tires have adequate drainage (CPSC 12.6.4).	N/a			
133	Tire swings shall weigh no more than 35 lbs. with smoothly finished or blunt surfaces (CPSC 12.6.4, ASTM 8.6.2.3).	N/a			
134	To and fro swings and tire swings are located away from circulation paths (a distance at least equal to the equipment use zone and an additional safety factor for circulation, with this area free of any obstructions) and near the periphery of the playground (CPSC 6.2, ASTM 8.6.1.1, 8.6.2.1).	1			
135	Sharp, Crush and Shear Points (CPSC 4.1, 9.5, ASTM 6.2, 6.5): • Equipment is free of sharp edges. • There are no open holes in the equipment forming traps (e.g. at the ends of the tubes). • There are no crush or shear points.	1			
136	Protrusions (CPSC 9.2, ASTM 6.2): • No components fail protrusion test. • Nuts, bolts and screws are recessed, covered or sanded smooth and level. • No more than two threads	1			

137	Entanglements (CPSC 9.4, ASTM 6.4.2): • No obstacles or protrusions project upwards from a horizontal plane extending more than 1/8" perpendicular to the plane of the initial surface. - No more than two threads of the fastener protrude through any nut. • No protrusion increases in diameter from its initial surface.	1			
138	Head Entrapments (CPSC 9.6, ASTM 6.1): • No components fail the entrapment test. • There are no failures of the partially bounded opening test. See Figs. A 1.5-A1.9 in ASTM F 1487.	1			
139	General Concerns: • Nuts and bolts are tight and not able to be loosened without tools. - Upon close inspection, they show no loose play or excessive wear (CPSC 8.2, ASTM 4.2).	1			
a	• Equipment is free of rust and chipping paint (CPSC 8.1, ASTM 4.2.1).			1	Paint is chipping on swing beam and should be repainted to prevent rust.
b	• Equipment is free of sharp edges, splinters or rough surfaces and shows no excessive wear (CPSC 9.1, ASTM 6.2).	1			
c	• Ropes, chains and cables have not frayed or worn out (CPSC 7.2, ASTM 4.2.3.1).	1			
d	• Equipment has not shifted or become bent (CPSC 8.1).	1			
e	• There is no corrosion or visible rotting at points where equipment comes into contact with ground surface (CPSC 7.2, 8.1, ASTM 4.1).	1			
f	• No components are missing. - All parts of the equipment are present and in good working order with no loose play or excessive wear in moving parts (CPSC 7.2, 8.1, ASTM 4.2).		1		Swing hangars do not have sealed bearings and these will need to be updated to new hangars that meet the CPSC Guidelines.
g	• Handgrips are between 0.95" and 1.55" in diameter (CPSC 10.2.1, ASTM 7.1.4.4).	N/a			
h	• Footings for equipment are stable and buried below ground level or covered by surfacing materials (CPSC 9.7).	1			
i	• Equipment is free of any litter, debris and surfacing material (ASTM 7.1.2).	1			
j	• Equipment use zone is free of litter and debris (CPSC 7.2).	1			
	Total	**21**	**1**	**3**	

Playground Audit Report:

Rotating and Rocking Equipment (Merry-go-rounds, See-Saws, Spring Riders, Log Rolls)					
140	The seesaws seating surface does not reach more than 5' above the underlying surface or exceed a 25° angle (CPSC 12.3, ASTM 8.10.6).	1			
141	The seesaw fulcrum is fixed, enclosed or designed to prevent crushing/shearing (CPSC 12.3, ASTM 8.10.3). (Fulcrum seesaw is not used for preschool). (No footrest unless spring centering device ASTM 8.10.5)	1			Mounted on coiled springs.
142	Seesaw handgrips intended to be gripped by one hand have a minimum length of 3" and 2-hands a minimum of 6", do not turn, do not protrude beyond the sides of the seating surface, and pass the protrusion test (CPSC 12.3, ASTM 8.10.4.1).	1			
143	A rubber segment is buried in the surfacing under the seesaw seats unless seesaw uses a spring centering device (CPSC 12.3, ASTM 8.10.2).	N/a			
144	Log rolls (not recommended for 2-5 yr. old users) have maximum ht. of 18" above the protective surface for 5-12 yr. old users and provide hand gripping devices for support (ASTM 8.12.2, 8.12.3).	N/a			
145	Spring rocking equipment seat height is between 14" and 28" (CPSC 12.5, ASTM 8.11.5).	1			27" but this will be reduced once new safety surfacing is added.
146	There are no equipment parts that could cause a crushing or shearing injury on spring rocking equipment. Exemption is the attachment area of heavy duty coil springs to the body and base of spring rocking equipment (CPSC 12.5, ASTM 6.5.1.3 [2], 8.11.4).	1			
147	≥ 3" Handholds stay in place when grasped and pass the protrusion test (CPSC 12.5, ASTM 8.11.2).	1			
148	≥ 3 1/2" Footrests stay in place and pass the protrusion test (CPSC 12.5, ASTM 8.11.3).	1			
149	Merry-go-rounds are approximately circular, and the distance between the minimum and maximum radii of a noncircular platform does not exceed 2". See Fig. A1.25 in ASTM F1487 (CPSC 12.2, ASTM 8.8.1.1, 8.8.1.2).	N/a			
150	Components of the merry-go-round do not extend beyond the platform perimeter (CPSC 12.2, ASTM 8.8.1.2).	N/a			
151	There are no openings in the surface of the platform that permit the penetration of 5/16" rod through the surface of the merry-go-round and conform to crush and shear points (CPSC 12.2, ASTM 6.5, 8.8.1.4).	N/a			
152	The platform does not provide an oscillatory (up and down) motion (CPSC 12.2, ASTM 8.8.1.5).	N/a			
153	The peripheral speed of the platform does not exceed 13 feet per second (diameter <20" exempt) (CPSC 12.2, ASTM 8.8.1.6).	N/a			
154	There is a minimum of 9" between the protective surface and the underside of a merry-go-round platform and conforms with protrusion and crush and shear requirements (ASTM 6.3, 6.5) with a max. ht. of 14" for the platform surface (CPSC 12.2, ASTM 8.8.1.2, 8.8.1.4).	N/a			

Playground Audit Report:

155	Sharp, Crush and Shear Points (CPSC 4.1, 9.5, ASTM 6.2, 6.5): • Equipment is free of sharp edges. • There are no open holes in the equipment forming traps (e.g. at the ends of the tubes). • There are no crush or shear points.	N/a			
156	Protrusions (CPSC 9.2, ASTM 6.2): • No components fail protrusion test. • Nuts, bolts and screws are recessed, covered or sanded smooth and level. • No more than two threads.		1		**Anchor bolts extend out of concrete footing in excess of 2" and fail protrusion gauge test. These at min. need to be cut down to less than two exposed threads. Check with equipment manufacture to determine if 2 nuts are required for mounting purposes, since both nuts stacked on top of each also fail the protrusion gauge test. If manufacturer approves remove on nut and cut remaining bolt threads off.**
157	Entanglements (CPSC 9.4, ASTM 6.4.2): • No obstacles or protrusions project upwards from a horizontal plane extending more than 1/8" perpendicular to the plane of the initial surface. - No more than two threads of the fastener protrude through any nut. • No protrusion increases in diameter from its initial surface	1			
158	Head Entrapments (CPSC 9.6, ASTM 6.1): • No components fail the entrapment test. • There are no failures of the partially bounded opening test. See Figs. A1.5-A1.9 in ASTM F 1487.	1			
159	Hardware/General Concerns: • Nuts and bolts are tight and not able to be loosened without tools. - Upon close inspection, they show no loose play or excessive wear (CPSC 8.2).	1			
a	• Equipment is free of rust and chipping paint (CPSC 8.1, ASTM 4.2).			1	Some rust developing on top dome of equipment, recommend painting to prevent further deterioration.
b	• Equipment is free of sharp edges, splinters or rough surfaces and shows no excessive wear (CPSC 9.1, ASTM 6.2).	1			
c	• Ropes, chains and cables have not frayed or worn out (CPSC 7.2, ASTM 4.2.3.1).	N/a			
d	• Equipment has not shifted or become bent (CPSC 8.1).	1			
e	• There is no corrosion or visible rotting at points where equipment comes into contact with ground surface (CPSC 7.2, 8.1, ASTM 4.1).	1			
f	• No components are missing. - All parts of the equipment are present and in good working order with no loose play or excessive wear in moving parts (CPSC 7.2, 8.1, ASTM 4.2).	1			
g	• Handgrips are between 0.95" and 1.55" in diameter (CPSC 10.2.1, ASTM 7.1.4.4).	1			
h	• Footings for equipment are stable and buried below ground level or covered by surfacing materials (CPSC 9.7).		1		**Concrete and metal base plate are fully exposed under the unit. Both should be buried under the surface and then completely covered with recommended amount of safety surfacing material.**
i	• Equipment is free of any debris and surfacing material (ASTM 7.1.2).	1			
j	• Equipment use zone is free of litter and debris (CPSC 7.2).	1			
	Total	**17**	**2**	**1**	

Playground Audit Report:

Sand Play Area					
NOTE: This section is only applicable to sand box areas designated for play. Ground level sand boxes and activity walls require a child to be at ground level. Such ground level activities are excluded from the recommendations for protective surfacing under and around playground equipment. (CPSC 4.4, ASTM 9.3.4, 9.8.1)					
160	Sand play is located in a partially shaded area.	1			Small tree
161	The sand play area is inspected and raked at least every week for debris and to provide exposure to air and sun.			1	
162	If the sand play area is in a box, it is covered at night to prevent animal excrement contamination.			1	
163	The sand play area does not have standing water 24 hours after a rainfall.	1			
164	Elevated sand boxes have appropriate use zone with proper impact absorbing material (CPSC 4.4).	1			
165	Sharp, Crush and Shear Points (CPSC 4.1, 9.5, ASTM 6.2, 6.5): • Equipment is free of sharp edges. • There are no open holes in the equipment forming traps (e.g. at ends of the tubes). • There are no crush or shear points.	1			
166	Protrusions (CPSC 9.2, ASTM 6.2): • No components fail protrusion test. • Nuts, bolts and screws are recessed, covered or sanded smooth and level. • No more than two threads.	1			
167	Entanglements (CPSC 9.4, ASTM 6.4.2): • No obstacles or protrusions project upwards from a horizontal plane extending more than 1/8" perpendicular to the plane of the initial surface. - No more than two threads of the fastener protrude through any nut. • No protrusion increase in diameter from its initial surface.	1			
168	Head Entrapments (CPSC 9.6, ASTM 6.1): • No components fail the entrapment test. • There are no failures of the partially bounded opening test. See Figs. A1.6a-A1.10 in ASTM F 1487.	1			
169	Hardware/General Concerns: • Nuts and bolts are tight and not able to be loosened without tools. - Upon close inspection, they show no loose play or excessive wear (CPSC 8.2).	1			
a	• Equipment is free of rust and chipping paint (CPSC 8.1, ASTM 4.2).	1			
b	• Equipment is free of sharp edges, splinters or rough surfaces and shows no excessive wear (CPSC 9.1, ASTM 6.2).	1			
c	• Ropes, chains and cables have not frayed or worn out (CPSC 7.2, ASTM 4.2.3.1).	N/a			
d	• Equipment has not shifted or become bent (CPSC 8.1).	1			
e	• There is no corrosion or visible rotting at points where equipment comes into contact with ground surface (CPSC 7.2, 8.1, ASTM 4.1).	1			
f	• No components are missing. - All parts of the equipment are present and in good working order with no loose play or excessive wear in moving parts (CPSC 7.2, 8.1, ASTM 4.2).	1			
g	• Handgrips are between 0.95" and 1.55" in diameter (CPSC 10.2.1, ASTM 7.1.4.4).	N/a			
h	• Footings for equipment are stable and buried below ground level or covered by surfacing materials (CPSC 9.7).	1			
i	• Equipment is free of any litter, debris and surfacing material (ASTM 7.1.2).	1			
j	• Equipment use zone is free of litter and debris (CPSC 7.2).	1			

Playground Audit Report:

Total Non-Compliances	**16**	**0**	**2**

Comments Summary:

Auditor R. Wright **Supervisor** n/a **Date** 2-Jun-09

Comment # 1: Trim tree back on swing side, there can be no branches in the path of the swing seats!

Comment # 2: Seal or paint wood borders and sandbox. Low probability of CCA being present. This is not a requirement but simply a better to be safe recommendation. Newer treated lumber doesn't contain CCA's so is more acceptable for use. Industry stopped using CCA pressure treatment chemicals about 7 or 8 years ago.

Comment # 3: Expand use zone around spring rider to a min. of 6' from the rear edges of the seats. 6' is the min. required safety zone, this zone then must have a min. of 9" of pea gravel per CPSC guidelines.

Comment # 4: Swing Mats are recommended for under the swings and at slide exits to prevent loose mulch from being displaced creating an increased height for getting on the swings but also to prevent a situation where there is insufficient wood fiber to cushion a fall in that area. This a consistent issue with loose fill materials and the mats do a nice job of reducing maintenance. These can also be used at the slide exits for similar purposes.

Comment # 5: Recommend replacing existing S-Hooks w/ clevis' and installing new swing hangars which utilize a sealed bearing system. Manufacturer recommends changing seats every 3 years or so but overall the seats currently present appear to be in good condition.

Comment # 6: Remove excess chain from swings.

Comment # 7: Extend safety zone off both ends of the swing set to a minimum of a 6' radius from each end post. Safety surfacing in the entire swing are must be a minimum of 9" at all times.

Comment # 8: Pound all stakes in on borders to at least flush with border surface, at present they are a trip hazard and potentially a protrusion concern.

Comment # 9: Anchor bolts extend out of concrete footing in excess of 2" and fail protrusion gauge test. These at min. need to be cut down to less than two exposed threads. Check with equipment manufacture to determine if 2 nuts are required for mounting purposes, since both nuts stacked on top of each also fail the protrusion gauge test. If manufacturer approves remove on nut and cut remaining bolt threads off.

Comment # 10: Concrete and metal base plate are fully exposed under the unit. Both should be buried under the surface and then completely covered with recommended amount of safety surfacing material.

Comment # 11: Paint is chipping on swing beam and should be repainted to prevent rust. Rust is also developing on the dome of the spring rider and should be treated/painted.

Comment # 12: Once new surfacing is added to swing area all seats must be adjusted height wise to maintain minimum standards. Belt seats must be a min. of 12" above the play surface. Toddler swings must be a min. of 24" above the play surface.

Comment # 13: Strongly recommend an additional sign stating playground rules, ages, etc. See example included in this email package.

Comment # 14: Pull weeds out from safety areas and use zones. Keep use zones completely free of other toys and debris at all times.

Comment # 15: Manufacturer labels should be on swings and spring rider as well as a label stating that playground equipment should never be installed over concrete, asphalt, or other hard surfaces.

Please read the entire report and review all photographs. One section of this report doesn't replace the others for informational purposes. You are responsible for reviewing and understanding the findings. Feel free to contact your inspector to clarify any issues or questions.

Prepare by: R.Wright, CPSI

National Recreation and Park Association
National Playground Safety Institute

Let it be known that

ROBERT M WRIGHT

has met the requirements set forth by the
National Playground Safety Institute
and is hereby granted certification as a

Certified Playground Safety Inspector

9/19/2007
Date Certified

10344-1010
Certification Number

10/1/2010
Expiration Date

Chairperson, NPSI Executive Committee

NRPA Executive Director