

Environmental Health Services Division

401 Fifth Avenue, Suite 1100
Seattle, WA 98104

206-263-9566 Fax 206-296-0189
TTY Relay: 711

www.kingcounty.gov/health

Playground Plan Review Application

Project

New Equipment Relocating Equipment Other _____

Est. Start Date _____ Est. Completion Date _____

Site / Property Information

School District _____

School Name _____

Address _____

City _____ State _____ Zip _____

School / Requestor Information

Project Manager _____

Email _____

Address _____

City _____ State _____ Zip _____

Office Phone _____ Cell Phone _____

Billing / Plan Check

Name _____ Email _____

Address _____

City _____ State _____ Zip _____

Office Phone _____ Cell Phone _____

Equipment Manufacturer

Company _____

Representative _____ Email _____

Office Phone _____ Cell Phone _____

Installer Information

Company _____

Representative _____ Email _____

Office Phone _____ Cell Phone _____

Owner Signature _____

Title _____

Date _____

\$402 base fee for the first two hours is payable at the time of submittal. We will bill you for the plan review and inspection(s) at \$201 per hour of service after two hours.

HEALTH DEPARTMENT USE ONLY

Date Submitted: _____

SR #: _____

AR #: _____

Invoice #: _____

PR #: _____

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K-12 School Playground Plan Review Questions

Surfacing

What types of surfaces will be installed?

- Artificial Turf Engineered Wood Fiber Pea Gravel Sand
- Shredded/Recycled Rubber Unitary Synthetic Wood Mulch (non-CCA) Other _____

Material depth: _____ inches *ADA accessible surfacing materials

For more information about surfacing materials, refer to U.S. Consumer Product Safety Commission Public Playground Safety Handbook 2010 (CPSC PPSH) section 2.4, page 8 to 10.

Site Design

What is the intended user age group for the playground? 2 to 5 years 5 to 12 years

If the playground contains equipment for both age groups, does a distance separate the two areas? Yes No

Will posted signs indicate the appropriate age of users? Yes No

Is the playground fenced and separated from traffic? Yes No

Are barriers and landscaping designed to allow users to be supervised? Yes No

Is the site level and well-drained? Yes No

Is a septic system located on school grounds? Yes* No

**If yes, the playground cannot be located over the septic drain field. Show drain field on overhead drawing/footprint plan.*

Equipment Design

If installing fulcrum seesaws, seats have padding underneath to prevent arms and legs from being crushed between the seat and the ground? Yes No NA

What is the seesaw height (distance between maximum attainable height and the ground)? _____ inches

Slide bed exit region length (portion parallel to ground) _____ inches

Does the slide layout meet the minimum ASTM F1487-21 and CPSC PPSH slide exit use zone based on slide height? Yes No NA

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Equipment Height

To-and-fro swings (distance from ground to pivot point) _____ inches

Tire swings (distance from seat to pivot point) _____ inches

Upper body equipment (maximum height of equipment) _____ inches

Spring toys (height of seat or highest designated play surface) _____ inches

Balance beams _____ inches

Track rides (handle height above ground) _____ inches

Equipment Not Recommended for Children 2 to 5 years

Free standing arch climbers	Swinging gates	Chain or cable walks
Parallel bars	Overhead rings	Fulcrum seesaws, unless they are spring-centering
Vertical sliding poles	Track rides	Long spiral slides (more than one 360° turn)
Log Rolls	Free standing climbing events with flexible components	

Equipment Not Recommended for Public Playgrounds

Animal figure swings	Giant strides	Climbing ropes not secured at both ends
Swinging gates and doors	Rope swings	Swinging dual exercise rings
Trapeze bars	Trampolines	Multiple occupancy swings

Equipment Layout

Refer to CPSC PPSH section 2.2, pages 5 to 8 for guidance. Consider these recommendations.

- Locate ADA transfer stations near school entrances to minimize travel distance.
- Add extra circulation zones to minimum required use zones to reduce congestion.
- Locate active, physical activities in a separate area from more passive or quiet activities.
- Disperse popular, heavily used equipment to avoid crowding.
- Locate composite structures so play and traffic patterns around adjacent components are complementary.
- Locate slide exits and moving equipment like swings and merry-go-rounds at the edge or corners of the playground.
- Guy wires, power lines and tree limbs should be at least 7 feet above the playground surface.

Owner Signature

Title

Date

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K-12 School Playground Plan Review Process

Before adding a K-12 school playground or moving/modifying equipment, you must submit your plans to Public Health – Seattle & King County (PHSKC) for review (see Washington Administrative Code [WAC] 246-366-040).

Playground Review Process

1. Email playground plan review application packet to your designated PHSKC plan review contact. If you do not have a PHSKC contact, please call one of the Environmental Health Services Division offices at the phone number listed after number 6 below. We recommend you submit your plans before ordering equipment.
Payment for a minimum of 2 hours is required at submittal.
2. We review for compliance and safety. We may ask you for additional materials by email.
3. We email an approval letter to you.
4. Install equipment. Before the playground is used, email your designated PHSKC plan review contact to schedule a final in-person inspection. Contact us at least one (1) week advance to schedule the inspection.
5. We complete final inspection.
6. Open the playground.

We will bill you for plan review, site visits and final inspection per our fee schedule (*\$402.00 base fee plus \$201 per hour after two hours*).

If you have questions, please ask to speak to an available **school plan reviewer at the Environmental Health Division office below.**

Downtown Chinook
Environmental Health Division
401 5th Ave, 11th Floor
Seattle, WA 98104
Phone: (206) 263-9566

or

Bellevue Eastgate
Environmental Health Division
14350 S.E. Eastgate Way
Bellevue, WA 98007
Phone: (206) 477-8050

Playground Application Packet

- 1. Completed K-12 School Playground Plan Review Application
- 2. Completed K-12 School Playground Supplemental Questions
- 3. Overhead drawing or footprint plan of playground design (example on following page) showing the following information:
 - a. Containment border for all surfacing material under the playground equipment.
 - b. Location of fences, trees, buildings, concrete, asphalt, and septic system drain fields.
 - c. Directional arrow showing true north.
 - d. If drawn to scale, indicate scale.
 - e. Location of existing playground equipment.

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- f. All equipment to be installed. Note activities attached to composite (multi-activity) structures.
- g. Use zone around each piece of equipment. Use arrows to show distances between each piece of equipment (existing and new) and from equipment to containment border.
- h. Distance of slide use exit zone from end of slide and length of flat exit region at end of slide bed (11 inches minimum length, 0 to -4 degree slope). Slide exit use zone is equal to slide height and measured from end of slide bed (minimum 6 feet; does not need to be greater than 8 feet).
- i. Height of all decks or platforms for each piece of equipment. Indicate if platforms have guardrails or barriers.
- j. Height of all balance beams, spring toys, seesaws or other equipment less than 30 inches tall. Maximum height for balance beams is 12 inches for children 2 to 5 years and 16 inches for children 5 to 12 years.
- k. Height of all upper body equipment (arch climbers, overhead ladders, etc.). Maximum allowable height is 60 inches for children 2 to 5 years and 84 inches for children 5 to 12 years.
- l. Handle height for track rides. Allowable height is 64 to 78 inches.
- m. Height of all swing structures. To-and-fro swings are measured from ground to pivot point. Tire swings are measured from seat to pivot point.
- 4. Manufacturer cut sheets with pictures of each new piece of equipment and design specifications.
- 5. Letter from manufacturer of protective surfacing material stating compliance with ASTM F1292.
- 6. Letter from manufacturer stating equipment being purchased meets or exceeds standards in the current American Society for Testing and Materials Standard Consumer Safety Performance Specification for Playground Equipment for Public Use (ASTM F1487-21) and U.S. Consumer Product Safety Commission Public Playground Safety Handbook November 2010 (CPSC PPSH).
- 7. Manufacturer documents for installation, surfacing and equipment compliance, maintenance/repair instructions, inspection procedures, parts lists, and installation instructions.
- 8. If equipment pieces are located closer than minimum use zones specified in the current ASTM F1487-21 and CPSC PPSH, provide manufacturer letter stating equipment is designed to be installed in this configuration (i.e., "functionally linked"). *Note: Climbing equipment should not be functionally linked with other equipment.*

See example drawing next page.

Example Overhead Drawing of Proposed Playground Layout

Provided only as an illustration of information required on plan.

