

Incident Summary (5621473) (Final)

SUPPORTING INFORMATION	Incident Date		September 7, 2017	
	Location		Kelowna	
	Regulated industry sector		Amusement Devices - Waterslide	
	Impact	Injury	Qty injuries	1
			Injury description	Upper palate of rider broken/bent, along with 4 displaced teeth.
			Injury rating	Major
	Damage		Damage description	None
			Damage rating	None
Incident rating		Major		
Incident overview		The importance of correct rider position was not conveyed to the user. The user left the dispatch area on feet first on his stomach.		
INVESTIGATION CONCLUSIONS	Site, system and components		A waterslide consists of a flume with water pumped onto the flume. The waterslide will discharge the water flowing in the flume into a pool. There is a 20cm drop from the exit of the flume to pool water level. Correct user riding position of the slide is feet first lying on your back. Each waterslide will have signage in place to inform riders of proper position and conduct. Waterslides should have an attendant. If an attendant is not provided then Video monitoring must be available, the person monitoring the video shall be trained of their responsibilities.	
	Failure scenario(s)		The rider left the dispatch area feet first on his stomach. At the exit of the waterslide the user struck his palate and teeth on the end of the flume structure as they dropped into the pool. The flume surface had been waxed, which may have increased velocity. Staff monitoring the video of the waterslide operation were not enforcing the rules.	
	Facts and evidence		<ul style="list-style-type: none"> - The rider left the dispatch area on his stomach face down, as shown in the video. - The rider exited the slide into the pool on his stomach face down, as shown in the video. - The slide was reported to have been waxed on the interior of the flume by a contractor, which is not recommended by the manufacture. - Multiple waterslide infractions were noted in the few minutes prior to the incident and no evidence of hotel staff executing waterslide rules. 	
	Causes and contributing factors		It is very likely that the incorrect rider position caused the user to impact their upper jaw while exiting the slide (discharged into the pool). The waxing of the flume and incompleteness of hotel staff monitoring may have contributed to the incident.	





CAUTION

- (1) Obey all instructions given by the lifeguard, dispatcher, and splash pool supervisor who have the authority to prevent any conditions which leads to unsafe operation of the waterslide.
- (2) Do not use the slide when under the influence of alcohol or impairing drugs.
- (3) No diving, running, standing, kneeling, rotating, tumbling, or stopping in flumes or tunnels.
- (4) No traveling head first down the slide.
- (5) One person at a time. No grouping or forming chains.
- (6) Must keep all parts of the body within the flume.
- (7) After exiting from the slide, sliders shall leave the splash pool promptly.
- (8) Bathing suits only.

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