

Appendix C

Monarch Mountain Lift Operations Task Hazard Review

Affected Job Titles: Lift Attendant, Lift Operator, Ticket Checker

Task	Hazards	Mitigation
Walking	Slips, trips, and falls	Proper footwear required, running discouraged, maintenance of walking surfaces, salting of surfaces, awareness of ground conditions, maintain the athletic stance.
	Collision with persons or general mountain machinery	Maintain awareness of guests, machinery, and surroundings, look and listen.
Performing Duties Under Environmental Conditions	Frostbite, hypothermia	Use proper layering underneath uniform, wear gloves, hat, neck warmers, proper socks and footwear, stay dry, rotating in and out of lift houses, perform physical work, snack and eat meals.
	Wind and sun burn	Wear sunglasses or goggles, limit time in sun and wind, sunscreens and lotions, lip balm, gloves, hats with a brim, other protective clothing.
	Dehydration	Drink water, avoid sweet sugary drinks, maintain electrolyte balance, avoid overexertion, and utilize breaks.
Shoveling, Raking, Drilling, Moving Snow and Chipping Ice Using Department Tools	Back strain, other muscular skeletal injuries	Repeated discussion of shoveling techniques including stretching, posture, twisting, lifting. Avoid overexertion, utilize breaks. Proper tool use and care.
	Slips, trips, and falls	Proper footwear required, running discouraged, maintenance of walking surfaces, salting of surfaces, awareness of ground conditions, maintain the athletic stance.

Task	Hazards	Mitigation
Shoveling, Raking, Drilling, Moving Snow and Chipping Ice Using Department Tools	Cuts, bruises and abrasions	Proper tool use and care, proper footwear, protective clothing and eyewear, horseplay with tools prohibited, appropriate storage of equipment.
	Struck by moving lift machinery	Stopping or slowing of the machinery, running machinery not to be left unattended, awareness of your location and location of others in danger zones, major work performed complete before machinery needs to run, watch tool placement, proper operating and communication procedures.
	Collision with persons and general mountain machinery	Maintain awareness of guests, machinery, tools and surroundings, look and listen.
	Falling debris	Awareness of others, don't let snow/ice buildup
Snowblower Use	Slips, trips, and falls	Proper footwear required, running discouraged, maintenance of walking surfaces, salting of surfaces, awareness of ground conditions, maintain the athletic stance.
	Back strain, other muscular skeletal injuries	Repeated discussion of snowblowing techniques including stretching, posture, twisting, lifting. Avoid overexertion, utilize breaks. Proper machine use and care, do not force machine through ice or deep snow. Use electric start when possible to avoid strain from pull cord.
	Auger and rotor entanglement	Disengage auger and traction drive when not behind machine, power off when servicing auger or removing obstructions, use included plastic tool for obstruction removal, release any potential or excess energy, watch loose clothing, do not run over or into loose objects and ropes
	Fueling with gasoline	Use approved containers; avoid overfilling, proper ventilation when fueling, no smoking, discharge static electricity, secure gasoline storage, replace all gas covers and lids. Know MSDS.

Task	Hazards	Mitigation
Snowblower Use	Snowblower use around guests and other employees	Avoid blowing snow on people, control angle and distance of blowing snow. Maintain awareness of guests and keep safe distances. Machine noise must be monitored to avoid interference with guests or other operations. Major work performed complete before opening if possible.
Sweeping Moving Chairs Clear of Snow	Struck by moving lift machinery	Slowing of the machinery, running machinery not to be left unattended, awareness of your location and timing of chair spacing, use more than one person if possible, avoid overreaching in front of the chair, use appropriate broom.
	Slips, trips, and falls	Proper footwear required, running discouraged, maintenance of walking surfaces, salting of surfaces, awareness of ground conditions, maintain the athletic stance.
	Back strain, other muscular skeletal injuries	Utilize techniques from other tools including stretching, posture, and twisting. Avoid overexertion. Use plastic shovel if moving large amounts of snow is required.
	Falling debris	Awareness of others, don't let snow/ice buildup
Lifting or Assisting Children, Guests, Lifting Objects	Back strain, other muscular skeletal injuries	Use proper lifting techniques such as legs bent and back straight, ask for assistance if necessary, know your lifting limits, obtain a good grip before lifting, maintain the athletic stance.
	Slips, trips, and falls	Proper footwear required, running discouraged, maintenance of walking surfaces, salting of surfaces, awareness of ground conditions, maintain the athletic stance.
	Inflicting more injury on any injured person	Do not move injured guests, call ski patrol and follow accident procedures.

Task	Hazards	Mitigation
Snowmobile Use	Vehicle rollover and ejection	Whenever possible, lean with the driver in the same direction, use both hands on passenger grips
	Frostbite, hypothermia	Use proper layering underneath uniform, wear gloves, hat, neck warmers, proper socks and footwear, stay dry, rotating in and out of lift houses, perform physical work, snack and eat meals.
	Wind and sun burn	Wear sunglasses or goggles, limit time in sun and wind, sunscreens and lotions, lip balm, gloves, hats with a brim, other protective clothing.
Skiing and Snowboarding Breaks	Frostbite, hypothermia	Use proper layering underneath uniform, wear gloves, hat, neck warmers, proper socks and footwear, stay dry, rotating in and out of lift houses, perform physical work, snack and eat meals.
	Avalanche	Avalanche beacon and other safety gear, know terrain/conditions, ski with a partner, know escape measures, have emergency plan
	Wind and sun burn	Wear sunglasses or goggles, limit time in sun and wind, sunscreens and lotions, lip balm, gloves, hats with a brim, other protective clothing.
	Dehydration	Drink water, avoid sweet sugary drinks, maintain electrolyte balance, avoid overexertion, and utilize breaks.
	Out of control	Follow Skiers Responsibility Code, have proper gear and equipment, ride within limits
	Muscular skeletal injuries	Adhere to ACL training, stretch and warm-up, maintain athletic stance, ride within limits, watch terrain
Guest Interaction	Belligerent, intoxicated guests	Identify potential problem guests ahead of time if possible, deal with guests respectfully and calm, avoid conflict and arguments, involve management or ski patrol as soon as possible
	Out of control skiing guests	Maintain awareness of guests and surroundings, look and listen. Communicate with guests on speed and control problems, look out for coworkers and other guests

Task	Hazards	Mitigation
Guest Interaction	Working around guests	Watch tool placement around people, avoid snowblowing onto others, use caution replacing ropes and fencing, avoid leaving obstacles in the way
Driving To and From Work	Dangerous road conditions	Maintain awareness of current conditions, use employee shuttle, proper vehicle maintenance and equipment such as chains and winter tires, drive slow, gear down to maintain safe speed, do not lockup brakes, use headlights, take care passing, use deicer on windows
	Other drivers	Drive defensively, avoid aggressive behavior, be observant of other vehicles
Using Ticket Scanner	Carpal Tunnel Syndrome, soreness	Avoid repetitive action, switch hands, switch shoulders, utilize breaks, perform other duties, rotate stations
	Eye damage	Do not shine laser into eyes, wear eye protection
	Slips, trips, and falls	Proper footwear required, running discouraged, maintenance of walking surfaces, salting of surfaces, awareness of ground conditions, maintain the athletic stance.
	Collision with persons or general mountain machinery	Maintain awareness of guests, machinery, and surroundings, look and listen.
Loading Chairs	Slips, trips, and falls	Proper footwear required, running discouraged, maintenance of walking surfaces, salting of surfaces, awareness of ground conditions, maintain the athletic stance.
	Struck by moving lift machinery and guest equipment	Stopping or slowing of the machinery, running machinery not to be left unattended, awareness of your location and location of others in danger zones, watch tool placement, proper operating and communication procedures, avoid over tasking, be aware of guest and their equipment

Task	Hazards	Mitigation
Loading Chairs	Back strain, other muscular skeletal injuries	Use proper lifting techniques such as legs bent and back straight, ask for assistance if necessary, know your lifting limits, obtain a good grip before lifting, maintain the athletic stance.
	Cuts, bruises and abrasions	Proper loading technique, proper footwear, protective clothing and eyewear, horseplay prohibited, appropriate storage of equipment, watch guest equipment
	Falling debris	Awareness of others, don't let snow/ice buildup
Auxiliary Motor Evacuation	Fueling with gasoline	Use approved containers; avoid overfilling, proper ventilation when fueling, no smoking, discharge static electricity, secure gasoline storage, replace all gas covers and lids. Know MSDS.
	Lift rollback	Set dawgs and pawls, proper clutch-brake technique, attendants in correct position, proximity to control buttons
	Electrical hazards	Follow correct procedures in regards to electric power
	Machinery entanglement	Watch loose clothing, replace chain guard, watch body positioning
	Slips, trips, and falls	Proper footwear required, running discouraged, maintenance of walking surfaces, salting of surfaces, awareness of ground conditions, maintain the athletic stance, use caution climbing on machinery and ladders
Riding the Chairlift	Slips, trips, and falls while loading and unloading	Proper footwear required, maintenance of walking surfaces, awareness of ground conditions, maintain the athletic stance, stop or slow lift as necessary, use two-way radios, check for loose clothing and equipment, be prepared
	Falling from the chair	Sit back in seat, no swinging or bouncing, hold tight during high winds, no sleeping, beware of ice and snow on seat
	Downloading	Stop chair to load and unload, use two-way radios, stay in chair until fully stopped, no guest downloading

Task	Hazards	Mitigation
Riding the Chairlift	Being in chair during a manual evacuation	Use proper layering underneath uniform, wear gloves, hat, neck warmers, proper socks and footwear, stay dry, follow instructions, remain calm
Manual Evacuation	Slips, trips, and falls	Proper footwear required, awareness of terrain conditions, maintain the athletic stance, use caution climbing on machinery and ladders, use proper belay technique
	Back strain, other muscular skeletal injuries	Use proper lifting techniques such as legs bent and back straight, ask for assistance if necessary, know your lifting and throwing limits, obtain a good grip before lifting, maintain the athletic stance, use proper belay technique
	Falling objects	Watch for falling guest skiing equipment, evacuation materials, and natural objects, lookout for others
	Being in chair during a manual evacuation	Use proper layering underneath uniform, wear gloves, hat, neck warmers, proper socks and footwear, stay dry, follow instructions, remain calm