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| CANADIAN BIRKEBEINER SOCIETY | SEM PROGRAM Formal Hazard Assessment | FHA #008 | PAGE 1 of 4 |
| Used for commonly performed tasks and linked to approved SPIPs | | | PRINT DATE: January 31, 2020 |

CBS Formal Hazard Assessment Form

| Identified Task or Activity: On course ski patrol | | FHA#008 | | HR (Hazard Ranking): Severity: 1. Catastrophic Danger; 2. Serious; 3. Minor 4. Not Applicable Probability: A. Probable B. Reasonably Probable C. Remote D. Extremely Remote Severity (S) + Probability (P) = Hazard Ranking (HR) If 1A = WORK DOES NOT PROCEED | | | Focus on the 1) PEOPLE, 2) ENVIRONMENT, 3) MATERIALS, 4) EQUIPMENT/TOOLS | |
|---|----------------------|---|----|---|----------------|-----|--|--|
| CBS Workers Involved: Dave McCashin | | | | Approved with pending SPIP's by: SEM Committee | | | | |
| Tools/Equipment Required: Good ski equipment | | | | Materials Required: | | | | Date approved: 01/17/20 |
| # | Sequence of Steps | Potential Incidents or Hazards | HR | Controls in Place | | | RHR | Control Description |
| | | | | Engineering | Administrative | PPE | | |
| 1 | Extreme cold weather | Frostbite in extremities | 2B | | SPIP002 | | 3C | Proper footwear, heat pads, exercise occasionally |
| | | Hypothermia | 2B | | SPIP | | 3C | Good insulation, keep moving, talk to skiers to be aware of motor skills |
| 2 | Wind chill | Frostbite on exposed flesh | 2B | | SPIP | | 3C | Cover exposed skin, if possible, move to a more sheltered position |
| 3 | Ski crashes | Collision with bridge handrails or trees, head upper or lower body injury, concussion | 2B | | SPIP | | 2C | Volunteers do not need to ski fast or at the limit of control. Go slow and be aware of these hazards to warn racers. If trail conditions are steep, very slippery or icy and collisions are likely, take off skis and walk |

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|---|---|-----------------|---|
| CANADIAN BIRKEBEINER SOCIETY | SEM PROGRAM Formal Hazard Assessment | FHA #008 | PAGE 2 of 4 |
| Used for commonly performed tasks and linked to approved SPIPs | | | PRINT DATE: January 31, 2020 |

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|----|--|---|----|--|------|---------|----|---|
| 4 | Poor trail condition, holes, beaver dams, icy tracks | Strains and sprains | 3C | | SPIP | | 3C | Follow groomed trails, take extra caution at low spots in the trail, at water crossings or where there is beaver activity |
| 5 | Brush over hanging trail | Eye injury | 2B | | SPIP | Glasses | 3C | Wear glasses: Cut back brush where possible |
| 6 | Helping skier who in the bush | Eye injury | 2B | | SPIP | Glasses | 3C | Wear glasses |
| 7 | Trimmed saplings sticking up | Penetrating injuries | 2C | | SPIP | | 3C | Wear gloves and cover all areas of the body with layers Do not go into bush if too hazardous |
| 8 | Ski poles | Penetrating injuries | 3D | | | | 3C | Stay back from the track when skiers are passing. On-trail, stay in front of skiers or do not follow too close if behind |
| 9 | Skiing in vicinity of snow machines | Come in contact with moving parts, run over | 1D | | SPIP | | 1D | Once on site, let Parks and EMS perform their job Listen for audio warnings from approaching machines |
| 10 | STARS involvement | Rotor contact; Flying debris | 1D | | SPIP | | 1D | Parks will signal landing & facilitate landing. STARS personnel will deploy and load helicopter. If asked to help, refuse if you feel that you don't know what's going on |
| 11 | Helping parks with toboggan evacuation | Pinch points, falls off snow machine | 2D | | | Boots | 3D | Do not volunteer to help evacuate. If asked, make sure you have appropriate footwear & determine exactly what is involved before accepting |
| 12 | Using saws to clear brush when pre-skiing | Cuts and abrasions | 2B | | SPIP | Gloves | 3C | Wear gloves Carry saw in protective cover |

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|---|---|-----------------|---|
| CANADIAN BIRKEBEINER SOCIETY | SEM PROGRAM Formal Hazard Assessment | FHA #008 | PAGE 3 of 4 |
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|---|----------------------------------|--|----|--|------|-----------------|----|--|
| | trails | | | | | | | Wear cut-resistant pants |
| 13 | Fire-pits at "bus-stop" shelters | Burns, sparks | 4B | | | Gloves | 4C | Only manage fires with insulated leather gloves Wear glasses to protect from sparks |
| 14 | Using knives | Cuts | 3B | | SPIP | Gloves | 3C | Do not use knives unless necessary for the task Craw blade away from hand & body Wear gloves |
| 15 | Animal encounters | Moose, cougar, wolf, elk, bear, buffalo attacks | 2C | | SPIP | | 2D | Make noise Stay vigilant |
| 16 | Exposure to body fluids | Contracting Hep B and other blood-borne diseases | 2C | | SPIP | Gloves, glasses | 2D | Wear disposable gloves and glasses when performing first aid |
| Annual Reviewers: SEM Committee Date: 01/17/20 | | | | | | | | |
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HAZARD RANKING:

PROBABILITY

| SEVERITY | A. Probable | B. Reasonably Probable | C. Remote | D. Extremely Remote |
|------------------------|-----------------|------------------------|-----------|---------------------|
| 1. Catastrophic Danger | work isn't done | | | |
| 2. Serious | | | | |
| 3. Minor | | | | |
| 4. Negligible / OK | | | | |

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| | Immediate corrective action required |
| | Corrective action required urgently |
| | Corrective action required at next review |
| | No corrective action required |

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| CANADIAN BIRKEBEINER SOCIETY | SEM PROGRAM Formal Hazard Assessment | FHA #008 | PAGE 4 of 4 |
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Note 1: Administrative controls sections should be used to list the need for creation of *Safe Practice Implementation Protocols* (SPIPs). When draft SPIPs have been approved by the CBS Safety & Engagement Committee, the number of the approved SPIP should be included in the FHA information. *SPIPs should initially be developed for any tasks with an initial Hazard Rating that falls in the red and orange zones of the chart above.*

Note 2: Hazard Ratings. The first hazard rating (HR) included should reflect the risk rating before control measures are implemented. A Revised Hazard Rating (RHR) should then be presented to the right of the “Controls in place” columns that estimates the reduced level of risk after suggested control measures have been applied.

Note 3: After applying control measures, tasks should not be undertaken if the Revised Hazard Rating still falls within the red zone in the chart above. Tasks with ratings that still fall within the orange zone need ongoing review.