## Temperature Conditions — Legislation Fact Sheet



## WHAT DOES THE LEGISLATION STATE ABOUT TEMPERATURE CONDITIONS AT WORK?

In some cases, legislation provides a range of acceptable temperatures for specific circumstances. In other cases, occupational health and safety jurisdictions use the Threshold Limit Values® for heat stress or cold. Some Canadian jurisdictions have adopted these TLVs as occupational exposure limits and others use them as guidelines.

## What does the legislation require?

A summary of legislation concerning temperature is provided below. This list does not cite the exact text of each section. In all cases, consult with your jurisdiction to confirm what legislation applies in your situation, and that the most current legislation is applied. A list of contact information for all Canadian occupational health and safety jurisdictions is available.

| Table 1<br>Canadian health and safety regulations with respect to thermal conditions in<br>the workplace |            |   |  |
|--|------------|---|--|
| Jurisdiction   | Regulation | Temperature<br>(This list does not cite the exact<br>text of each section |  |

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| Canada,<br>Federal   | Canada Occupational<br>Health and Safety<br>Regulations | Section 9.9: personal service room and food preparation area: 18°C minimum/29°C maximum NOTE: personal service room means a change room, toilet room, shower room, lunch room, living space, sleeping quarters or a combination thereof Section 14.9(2): motorized materials handling equipment, operators' compartment: 26°C maximum Section 16.10(2)(b) First aid room: 21°C to 24°C |
| National Joint<br>Council<br>(Public<br>Service<br>Canada) | Occupational Health<br>and Safety<br>Directive          | Section 2.2 Environmental Conditions: Ideal range between 20-26°C. Temperatures between 17°C and 20°C and above 26°C can be uncomfortable, and occupancy in each of those extremes should not exceed 3 hours daily or 60 hours annually. Humidex 40°C maximum (as measured at workstation)   |
| British<br>Columbia  | Occupational Health<br>and Safety<br>Regulations        | Heat: Sections 7.27 to 7.32:<br>current ACGIH TLVs®<br>Cold: Sections 7.33 to 7.38:<br>current ACGIH TLVs®   |
| Alberta  | (Guidelines only)                                       |  |
| Saskatchewan   | Occupational Health<br>and Safety<br>Regulations        | Section 6-7: Thermal conditions: Provide and maintain measures to protect workers, and offer reasonable thermal comfort to workers   |
| Manitoba   | Workplace Safety<br>and Health<br>Regulation            | Section 4.12: Thermal Stress:<br>current ACGIH TLVs® for heat and<br>cold exposure<br>Section 4.13: Thermal Conditions —<br>indoor workplaces: appropriate to<br>work being done   |

| Ontario | Occupational Health<br>and Safety Act                | Clause 25(2)(h): General duty clause Ministry of Labour, Training, and Skills Development fact sheet on heat stress refers to the Threshold Limit Values (TLVs) for Heat Stress and Heat Strain published by the American Conference of Governmental Industrial Hygienists (ACGIH). These values are based on preventing workers' core body temperatures from rising above 38°C.   |
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|         | Construction<br>Projects<br>Regulations              | Section 260(3)(d): Change room for underground workers, 27°C minimum Section 357(7): Medical locks, minimum of 18°C Section 380 (2): Air lock used for people, maximum of 27°C. Also see Section 384: No work at temperatures greater than 27°C and when the temperature at the entrance to the service shaft is above ground, nor , 38°C maximum  |
|         | Industrial<br>Establishment<br>Regulations           | Section 129. Enclosed workplace, minimum of 18°C.  |
| Quebec  | Regulation respecting occupational health and safety | Sections 116 to 120: Heating Environment — Appropriate temperature considering the work being done. Section 118: Lunch rooms — minimum temperature of 20 °C (but does not apply to facilities used as offices) Sections 121 to 124: Heat Stress Schedule IV: Standards of Temperature in Establishments. Minimum depends on work being done (e.g., heavy work 12°C; light work 20°C) Schedule V: Evaluation of Heat Stress — Outlines work/rest schedule and Wet Bulb-Globe Temperature (WBGT) equations. Section 154: Change rooms minimum — temperature of 20 °C |

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| New Brunswick                | General Regulations                              | Section 21: In an enclosed place of<br>employment, minimum depends on work<br>being done (e.g., heavy work 12°C;<br>light work 20°C)<br>Section 22: Extremes of<br>Temperature: 1997 ACGIH TLVs® for<br>heat and cold exposure   |
| Nova Scotia                  | Workplace Health<br>and Safety<br>Regulation     | Section 2.1 and 2.3: current ACGIH<br>TLVs® for heat and cold exposure<br>(physical agents)  |
| Prince Edward<br>Island      | General Regulations                              | Section 11.10 and 11.11: In an enclosed place of employment, minimum depends on work being done (e.g., heavy work 12°C; light work 20°C). Exceptions apply. Section 11.9: relative humidity in an office environment must be minimum of 30% Section 42.1: Extremes of temperature — current ACGIH TLVs® for heat and cold exposure |
| Newfoundland<br>and Labrador | Occupational Health<br>and Safety<br>Regulations | Section 44: Reasonable and consistent with the nature and degree of work performed, as established by current ACGIH TLVs® Section 566: Refuge station to be at minimum 10°C  |
| Northwest<br>Territories     | Occupational Health<br>and Safety<br>Regulations | Section 74: Thermal conditions. Appropriate to nature of the work, effective protection of worker health and safety, and reasonable thermal comfort  |
|                              | Mine Health and<br>Safety Regulations            | Sections 9.57 to 9.62: Program required when thermal conditions and nature of work can cause distress. 1994-1995 ACGIH TLVs®.  |

| Nunavut            | Occupational Health<br>and Safety<br>Regulations | Section 74: Thermal conditions. Appropriate to nature of the work, effective protection of worker health and safety, and reasonable thermal comfort |
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|                    | Mine Health and<br>Safety Regulations            | Sections 9.57 to 9.62: Program required when thermal conditions and nature of work can cause distress. 1994-1995 ACGIH TLVs®.                       |
| Yukon<br>Territory | Occupational Health<br>and Safety<br>Regulations | Section 5.75: Conditions specific<br>to tower cranes  |
|                    | Occupational Health<br>Regulations               | Section 9: Thermal environment.<br>Reasonable and appropriate to the<br>work performed.<br>Section 12: Heat Stress                                  |

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