Work/Rest Periods During Hot Weather (Using Wet Bulb Globe Temp)*

Heat Risk Category	WBGT °F	Light Work		Moderate Work		Heavy Work	
		Work/Rest (minutes)	Water Intake (quarts per hr)	Work/Rest (minutes)	Water Intake (quarts per hr)	Work/Rest (minutes)	Water Intake (quarts per hr)
	78 - 81.9	continuous	1/2	continuous	3/4	50/10	3/4
Low	82 - 84.9	continuous	1/2	50/10	3/4	40/20	1
Moderate	85 - 87.9	continuous	3/4	40/20	3/4	30/30	1
High	88 - 89.9	continuous	3/4	30/30	3/4	20/40	1
Extreme	> 90	50/10	1	20/40	1	10/50	1

- * Recommendations given above are for fit, healthy, hydrated humans fully clothed with lightweight summer working clothes.
- Workers that do not fit this description may require longer rest times and increased hydration.
- Heat acclimation typically takes 5 days of heat exposure. Start at 20% of full exposure on Day 1 and increase by 20% each day.

If wearing items listed below then add this number (Clothing Adjustment Factor) to the WBGT to get the Effective WBGT.

- Breathable SMS Polypropylene coveralls: Add 0.5°F
- Micro-porous fabric (e.g., Tyvek): Add 1°F
- Cotton overalls (or 2 layers of woven clothing): Add 3°F
- Full-body, impermeable, protective clothing (e.g., whole-fully chemical protective suite, firefighter turn-out gear): Add 11°F
- ** Heat acclimation typically takes 5 days of heat exposure. Start at 20% of full exposure on Day 1 and increase by 20% each day.

Work Level	Activity Examples		
Light	Sitting with minimal hand and arm work Writing or drawing Driving on paved surface Occasional or slow walking (2 mph) on hard surface Stooping, cruching, kneeling		
Moderate	Mopping or vacuuming floors Scrubbing dirty surfaces Laundry/dry cleaning Pushing lawn mower on level surface Pushing or pulling light carts Raking Scraping, painting, or plastering General carpentry; using hand tools Walking 3.5 mph on hard surface		
Heavy	Carrying/moving loads Manual raising and lowering loads Waxing and buffing by hand Pushing or pulling heavy carts or wheelbarrows Digging or shoveling; landscaping Heavy item assembly Sawing of heavy carpentry Walking > 4 mph on hard surface		
Very Heavy	Any activity done at/near maximum pace Climbing stairs, ladder Intense shoveling or digging Sledghammer use Brick or stone masonry		

From MN Rules 5205.0110 (Indoor Ventilation and Temperature): "Employees shall not be exposed to indoor environmental heat conditions in excess of the values listed in Table 1." Table 1. Two-hour time-weighted average permissible heat exposure limits. Work Activity Heavy 77 Moderate 80 Light 86

Heavy Work = 350 or higher kcal/hr Moderate Work = 200 to 350 kcal/hr Light Work = up to 200 kcal/hr

