

The presence of wind in an already cold environment can pose a deadly combination. It is important to realize the effect wind has when paired with cold temperatures. For example, if it is 10 degrees Fahrenheit outside and there are also 20 MPH winds present, the temperature actually feels like -9 degrees Fahrenheit to the body. Because of the danger wind poses in cold weather, the National Weather Service will often issue wind chill advisories and warnings when a deadly combination of wind and cold air threaten an area.

Below is a handy wind chill chart provided by the National Weather Service to determine what the temperature actually is when the wind is present.

	Temperature (°F)																		
	Calm	40	35	30	25	20	15	10	5	0	-5	-10	-15	-20	-25	-30	-35	-40	-45
	5	36	31	25	19	13	7	1	-5	-11	-16	-22	-28	-34	-40	-46	-52	-57	-63
	10	34	27	21	15	9	3	-4	-10	-16	-22	-28	-35	-41	-47	-53	-59	-66	-72
	15	32	25	19	13	6	0	-7	-13	-19	-26	-32	-39	-45	-51	-58	-64	-71	-77
	20	30	24	17	11	4	-2	-9	-15	-22	-29	-35	-42	-48	-55	-61	-68	-74	-81
(hc	25	29	23	16	9	3	-4	-11	-17	-24	-31	-37	-44	-51	-58	-64	-71	-78	-84
m T	30	28	22	15	8	1	-5	-12	-19	-26	-33	-39	-46	-53	-60	-67	-73	-80	-87
pu	35	28	21	14	7	0	-7	-14	-21	-27	-34	-41	-48	-55	-62	-69	-76	-82	-89
Wi	40	27	20	13	6	-1	-8	-15	-22	-29	-36	-43	-50	-57	-64	-71	-78	-84	-91
	45	26	19	12	5	-2	-9	-16	-23	-30	-37	-44	-51	-58	-65	-72	-79	-86	-93
	50	26	19	12	4	-3	-10	-17	-24	-31	-38	-45	-52	-60	-67	-74	-81	-88	-95
	55	25	18	11	4	-3	-11	-18	-25	-32	-39	-46	-54	-61	-68	-75	-82	-89	-97
	60	25	17	10	3	-4	-11	-19	-26	-33	-40	-48	-55	-62	-69	-76	-84	-91	-98
Frostbite Times 🔜 30 minutes 📃 10 minutes 🗾 5 minutes																			
Wind Chill (°F) = 35.74 + 0.6215T - 35.75(V ^{0.16}) + 0.4275T(V ^{0.16})																			
	Where, T= Air Temperature (°F) V= Wind Speed (mph) Effective 11/01/01																		

Remember This!

The following are best practices to avoid cold stress-related injuries when working outside.

- Eliminate or limit work as much as possible when extremely cold temperatures are present.
- Allow for acclimatization to cold environments or weather.
- Layer up on clothing and keep clothes dry.
- Take breaks in warm areas or vehicles as needed.
- Drink warm beverages to help warm up your core temperature.
- Monitor the condition of other workers around you. If you notice something could be wrong, get them into a warm area and notify a supervisor.



HUDSON BAY*

Tool Box Talk/Safety Meeting

Sign In Sheet

Email to chris@hudsonbayins.com or safety@hudsonbayins.com or text to (206) 730-6273

Topic:

Date: _____

Discussion Leader:

Job Name: _____

	Employee Name	Employee Signature
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Employee Comments, Concerns, Suggestions or Recommendations to improve workplace safety & health:

Please submit this document immediately upon completion of the meeting to the safety department and retain the original copy of this document in the Safety & Risk Management Plan.