

Custom Venting Forecast

Christina Van Eaton - Fire Weather and Venting Meteorologist

Company: **Flatiron Constructors Canada Ltd.**
 Burn Registration Number(s): On file

Issued: Wednesday, March 03, 2021

FOR BURNING ON: Thursday, March 04, 2021

Synopsis:

Thursday: An upper ridge continues to build over the region, bringing more stability. With light and variable winds, venting is expected to fall to poor, marginally fair (see comments).

Friday: The upper ridge slowly departs, allowing instability to rise again. With increasing winds, venting expected to improve to fair.

Saturday: Instability continues to build as another upper trough moves into the province. With light bordering moderate winds, venting expected to be good.

Comments: Thursday is a challenging day, venting is still showing up as highly dependent upon winds developing near the top of the forecast range. Overall, for fair conditions to develop mixing heights need to remain near 800m, and winds need to be in the 15-20 km/h range, otherwise poor venting will be seen (moderate confidence in this scenario - winds usually easily develop in this region, however the pattern sees a surface ridge along the Rockies which will hamper this). Note wind direction as well which is expected to have some sort of easterly component to it. For Friday, instability looks like it will fall off quite sharply moving into the later hours of the day, so caution advised. Test burns suggested.

031-294-944 EPP104302 Lot1		Lat & Long:	56.12, -121.73	Elev:	450m	Piles:	
		Venting:		Optimal Time:		Mixing Height ASL (m):	
Thursday	AM:	Poor	10 am - 4 pm	surface		calm	
	PM:	Marg. Fair		800	ENE 5-15		
Friday		Fair	10 am - 4 pm	1150	SW 10-15		
Saturday		Good	10 am - 4 pm	1650	SW 10-20		

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