

2018 Q4 (October-December) Air Monitoring Results



Air Quality Health Index (AQHI) Ratings

The AQHI is calculated by the Government of Alberta using data collected at FAP air monitoring stations. The AQHI describes the level of health risk associated with each of four different levels. These levels are categorized as low, moderate, high or very high. The higher the index number, the greater the risk to health. Go to [our website's AQHI page](#) for more information. Seven of FAP's 10 continuous air monitoring stations monitor the substances required to calculate the AQHI.

		Risk Level (% of time in each)			
Station Name	Hours Monitored	Low	Moderate	High	Very High
Bon Accord*	2,153	97.58%	2.42%	-	-
Bruderheim	2,172	97.05%	2.95%	-	-
Elk Island	2,122	97.50%	2.36%	0.14%	-
Fort Saskatchewan	2,130	90.52%	9.48%	-	-
Gibbons	2,159	94.63%	5.28%	0.09%	-
Lamont County	2,171	98.99%	1.01%	-	-
Redwater	2,137	96.96%	3.04%	-	-
Total hours	15,044	14,470	569	5	-

**The new portable station at Bon Accord began operating in April, 2018.*

Hours with a High or Very High Risk AQHI Rating

This table shows the number of hours of high or very high risk AQHI rating during the fourth quarter of 2018, when they occurred and the likely cause.

Fort Air Partnership Continuous Air Quality Monitoring Station																
Event Dates	Bon Accord		Bruderheim		Elk Island		Fort Sask.		Gibbons		Lamont County		Redwater		Total Hours	Attributed Cause
	High Risk	Very High Risk	High Risk	Very High Risk	High Risk	Very High Risk	High Risk	Very High Risk	High Risk	Very High Risk	High Risk	Very High Risk	High Risk	Very High Risk		
October 24	-	-	-	-	3	-	-	-	-	-	-	-	-	-	3	Local road paving
October 31	-	-	-	-	-	-	-	-	2	-	-	-	-	-	2	Unknown smoke
Total Hours	-	-	-	-	3	-	-	-	2	-	-	-	-	-	5	

Summary of Exceedances

Air quality measurements are compared hourly to the [Alberta Ambient Air Quality Objectives](#) (AAAQO). Any exceedance of an AAAQO is reported to the Alberta Government and the cause of the exceedance investigated. There were no exceedances of an AAAQO at any FAP station in Q4 of 2018.