

## 2019 Q3 (July-September) 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 is a measure of air quality as it pertains to human health. AQHI levels are low, moderate, high or very high. Risk to health increases as the index level rises. Go to [our website's AQHI page](#) for more information. Seven of FAP's 10 continuous air monitoring stations monitor substances whereby the AQHI can be calculated. For the first time since 2015 there were no high or very high AQHI results for an entire calendar quarter.

Station Name	Hours Monitored	Risk Level			
		Low	Moderate	High	Very High
Bruderheim	2,127	100.00%	-	-	-
Elk Island	2,163	100.00%	-	-	-
Fort Saskatchewan	2,084	99.81%	0.19%	-	-
Gibbons	2,164	99.72%	0.28%	-	-
Lamont County	2,165	100.00%	-	-	-
Redwater	2,106	100.00%	-	-	-
Chipman (portable)	2,164	100.00%	-	-	-
<b>Total hours</b>	<b>14,973</b>	<b>14,963</b>	<b>10</b>	-	-

### 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. The following table details what substances exceeded an AAAQO, when they occurred and if it can be determined, the likely cause.

One Hour Exceedances			
Parameter	Exceedances	Dates	Attributed Cause
Hydrogen Sulphide (H <sub>2</sub> S)	3	July 16	Industry
	1	July 16	Local Wetlands
	1	September 18	Undetermined

24 Hour Exceedances			
Parameter	Exceedances	Dates	Attributed Cause
Hydrogen Sulphide (H <sub>2</sub> S)	1	July 16	Industry