2022 Q2 (April-June)
Air Quality Monitoring Results

FORT AIR PARTNERSHIP
We Monitor the Air You Breathe

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.

FAP – 2022 Q2		Risk Level (% of time in each)			
Station Name	**Hours Monitored**	**Low**	**Moderate**	**High**	**Very High**
Bruderheim		99.44%	0.56%	0.00%	0.00%
Elk Island		99.77%	0.23%	0.00%	0.00%
Fort Saskatchewan		99.23%	0.77%	0.00%	0.00%
Gibbons		99.06%	0.94%	0.00%	0.00%
Lamont County		98.67%	1.33%	0.00%	0.00%
Redwater		99.51%	0.49%	0.00%	0.00%
Town of Lamont		99.44%	0.56%	0.00%	0.00%
Total hours	**14601**	**14499**	**102**	**0**	**0**

Hours with a High or Very High Risk AQHI Rating

FAP Continuous Air Quality Monitoring Station																
Event Dates	**Bruderheim**		**Elk Island**		**Fort Sask.**		**Gibbons**		**Lamont County**		**Redwater**		**Town of Lamont**		**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		
Total Hours	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Summary of Exceedances

Air quality measurements are compared continuously to both 1 and 24-hour Alberta Ambient Air Quality Objectives (AAAQO). Any exceedance of an AAAQO is reported to the Alberta Government and the likely 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**	**Date**	**Attributed Cause**
$PM_{2.5}$	1	3 June 2022	undetermined

24-Hour Exceedances			
Parameter	**Exceedances**	**Date**	**Attributed Cause**
-	-	-	-