



Supplementary Charts and Data

September 2016

APPENDIX A

Source: www.YourEnvironment.ca

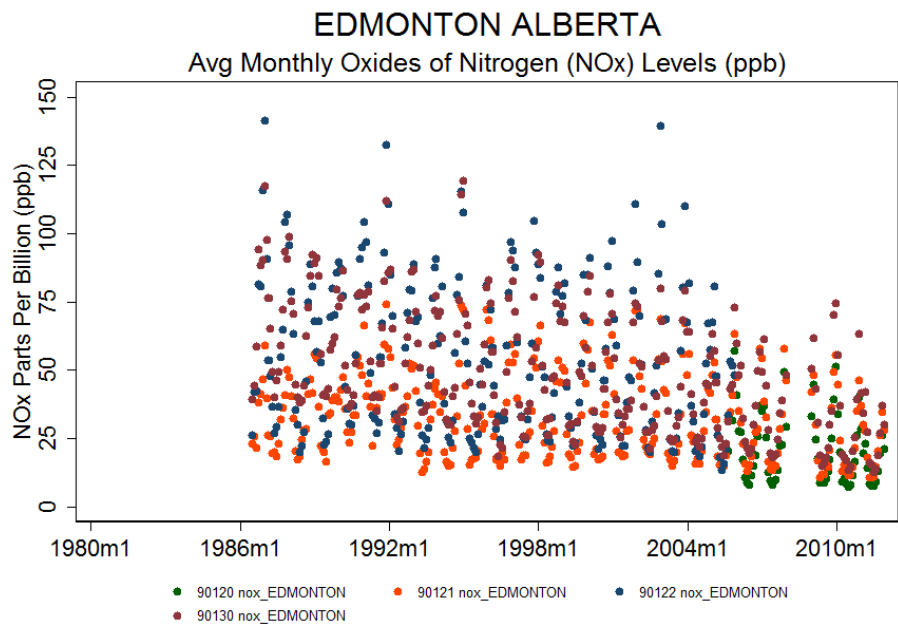


Image 4 of 7

CLOSE X

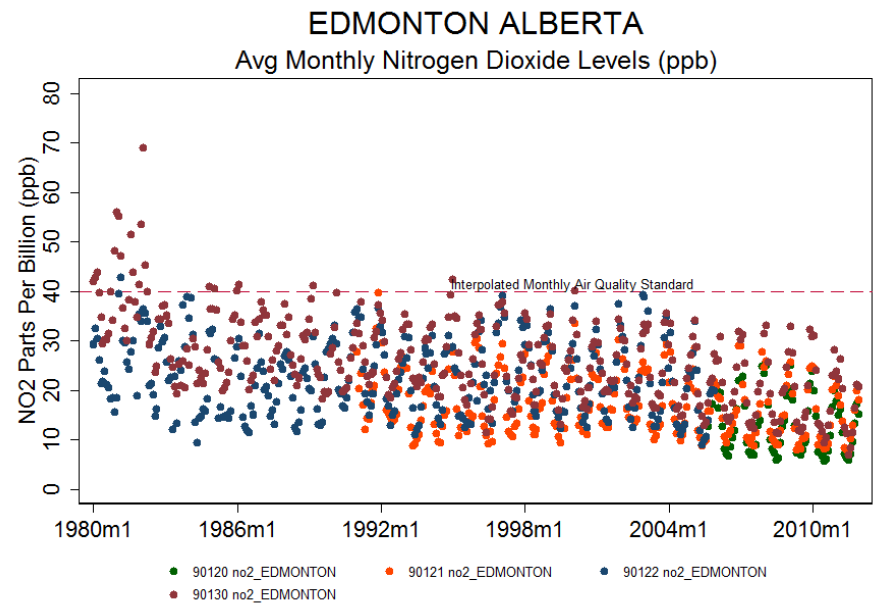


Image 3 of 7

CLOSE X

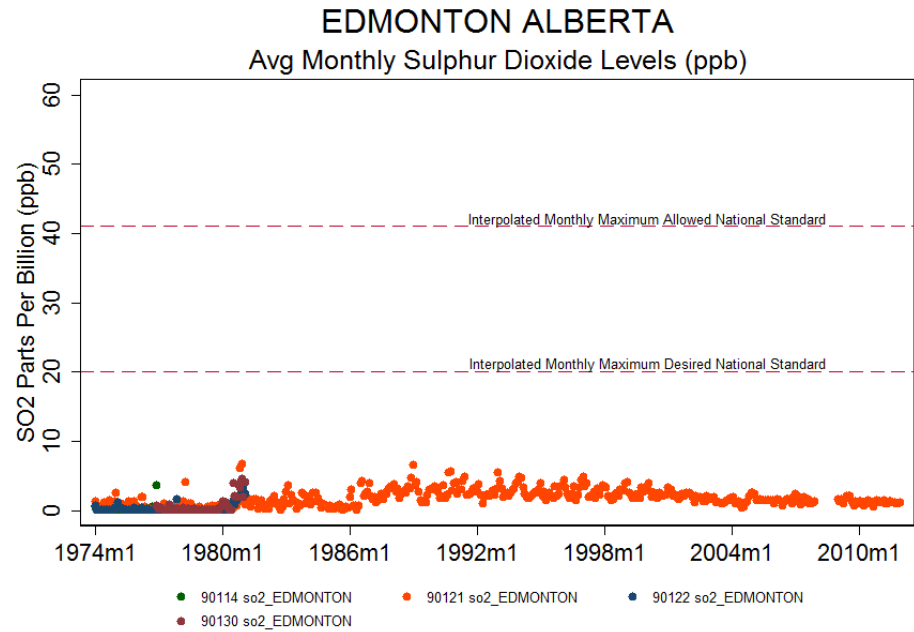


Image 6 of 7

CLOSE X

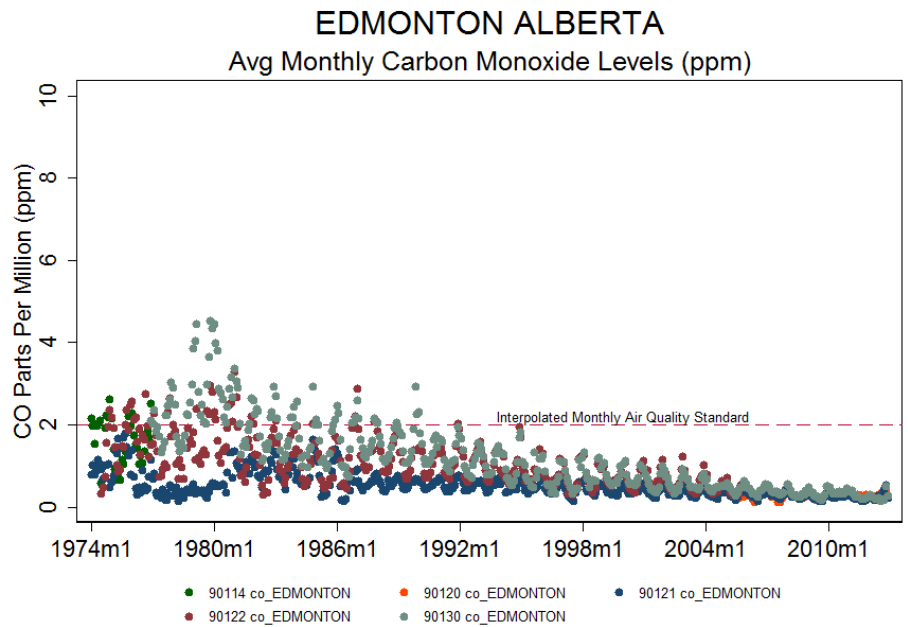


Image 1 of 7

CLOSE X

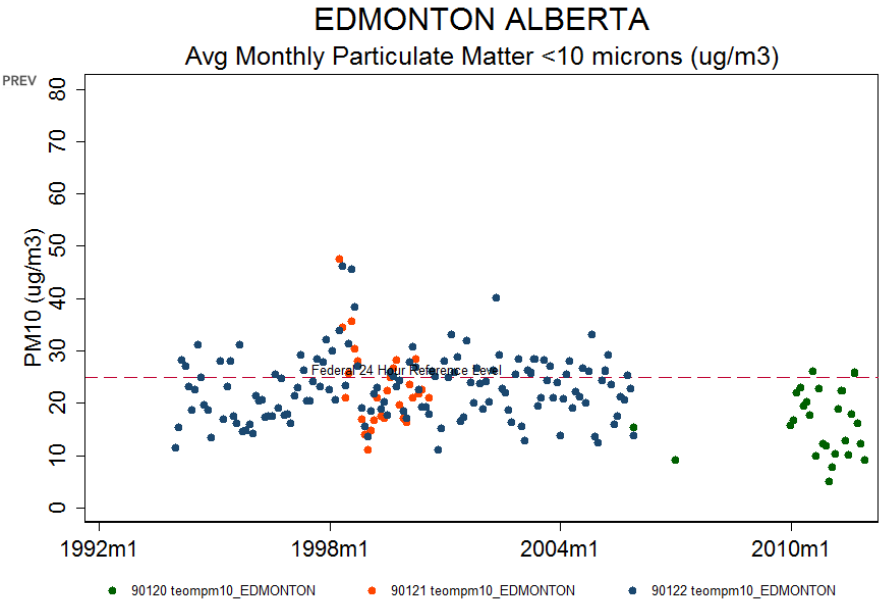


Image 7 of 7

CLOSE X

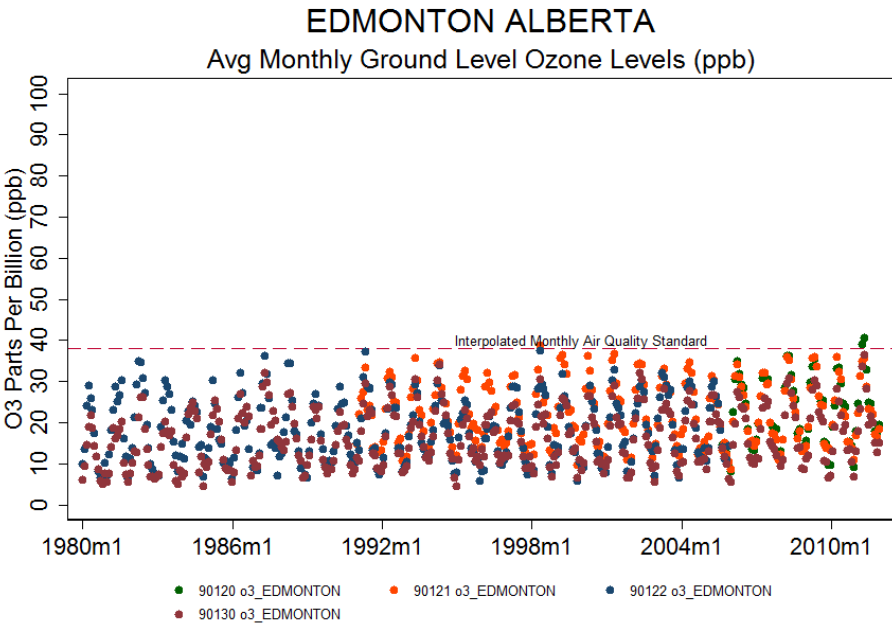
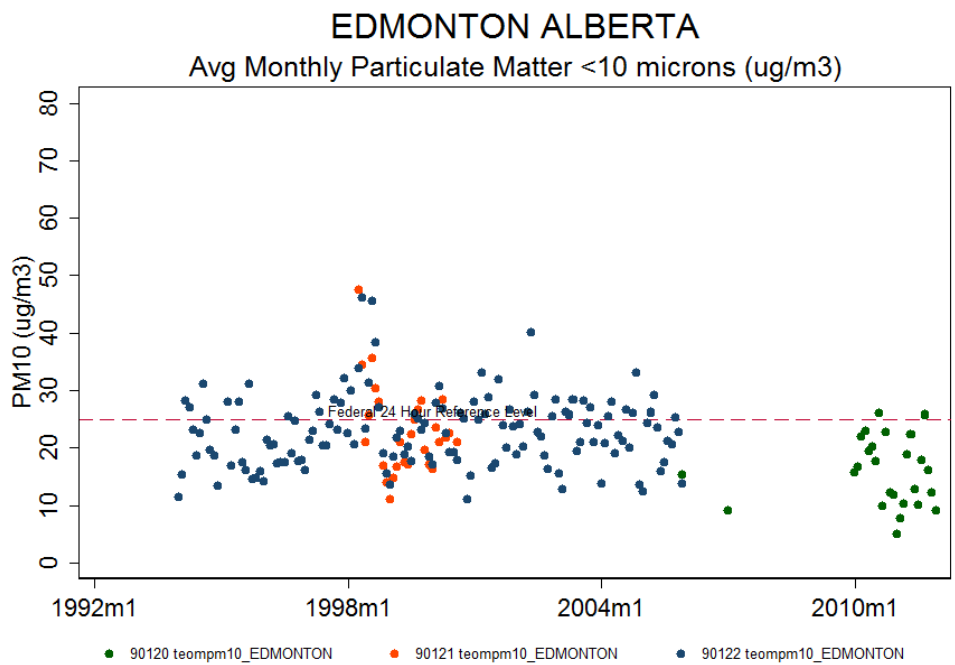


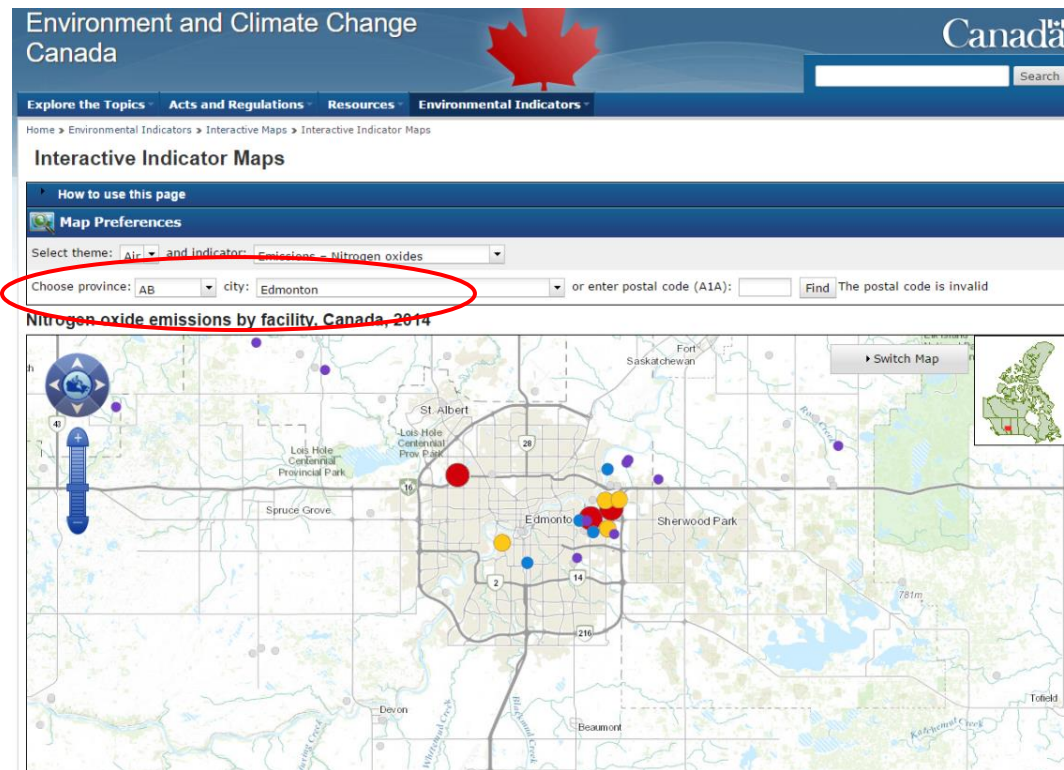
Image 5 of 7

CLOSE X

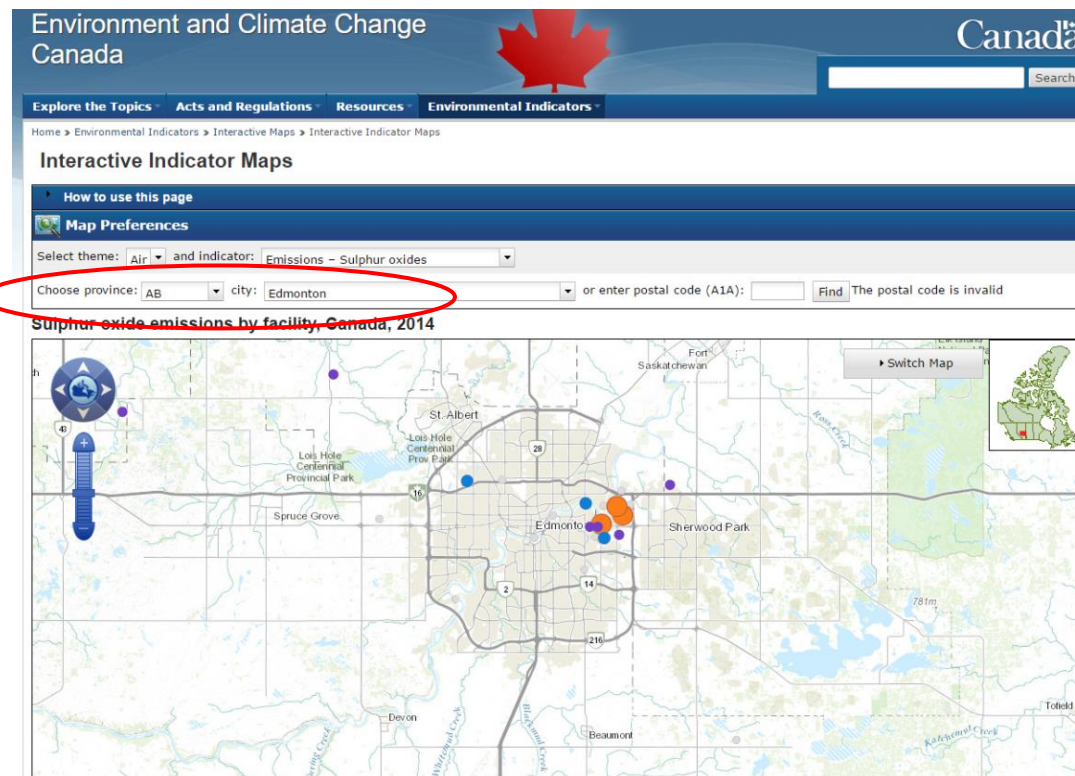


APPENDIX B

Facility emissions within Edmonton city limits



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Interactive Indicator Maps

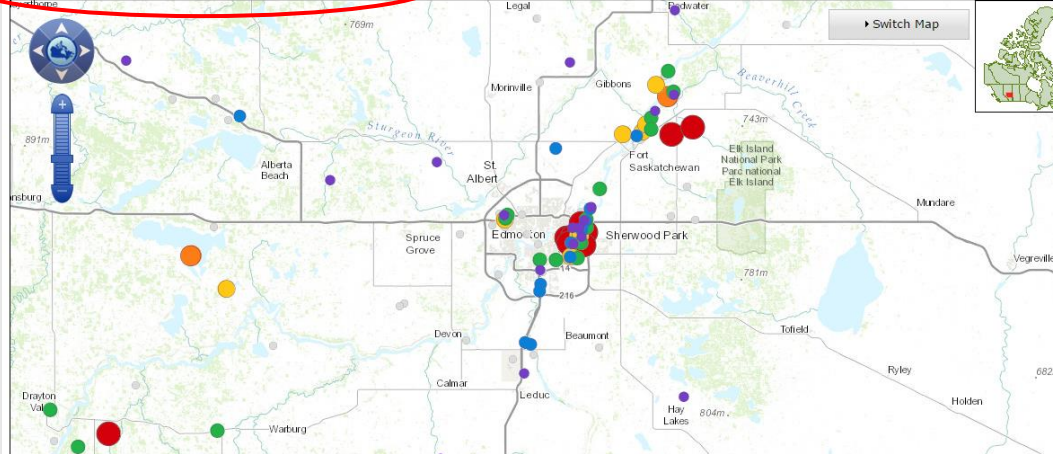
How to use this page

Map Preferences

Select theme: Air and indicator: Emissions - Volatile organic compounds

Choose province: AB city: Edmonton or enter postal code (A1A): Find The postal code is invalid

Volatile organic compound emissions by facility, Canada, 2014



Interactive Indicator Maps

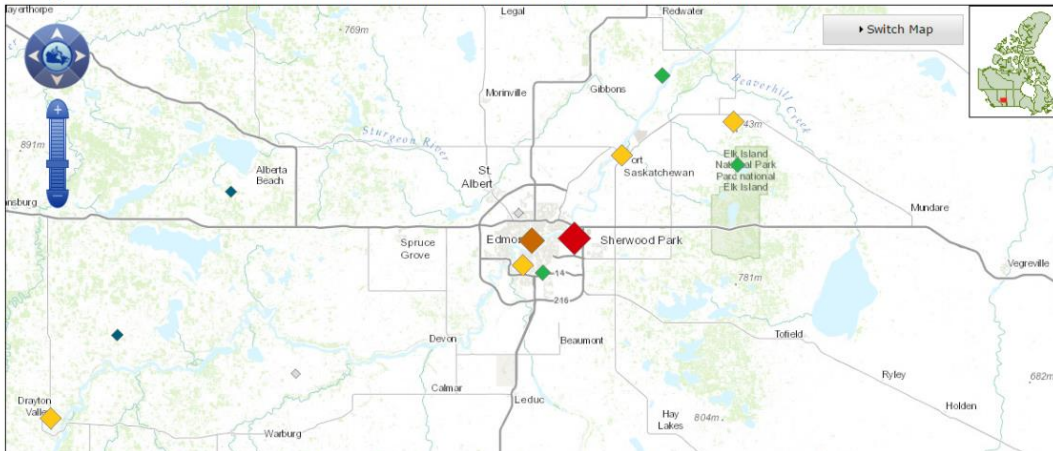
How to use this page

Map Preferences

Select theme: Air and indicator: Ambient - Average fine particulate matter

Choose province: AB city: Edmonton or enter postal code (A1A): Find The postal code is invalid

Average ambient fine particulate matter concentrations at monitoring stations, Canada, 2013





Interactive Indicator Maps

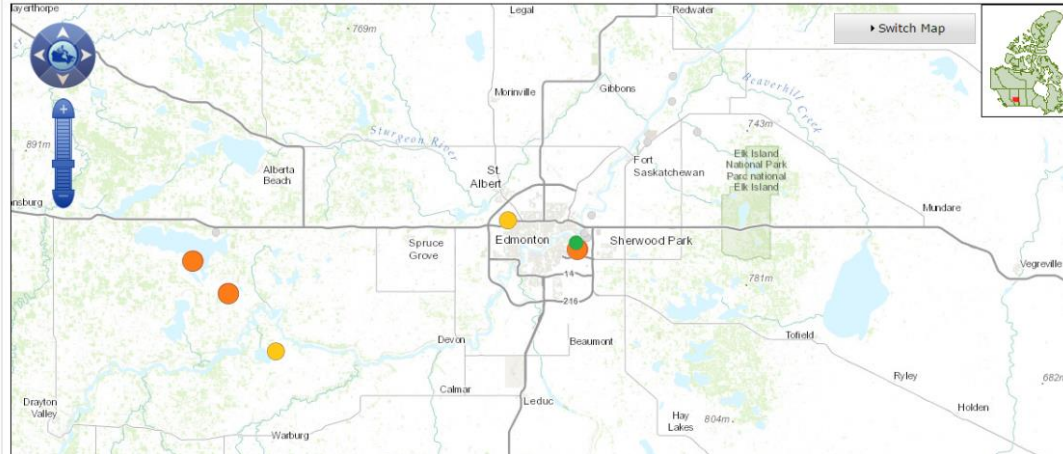
How to use this page

Map Preferences

Select theme: **Air** and indicator: **Emissions - Mercury**

Choose province: **AB** city: **Edmonton** or enter postal code (A1A): Find The postal code is invalid

Mercury emissions to air by facility, Canada, 2013



Interactive Indicator Maps

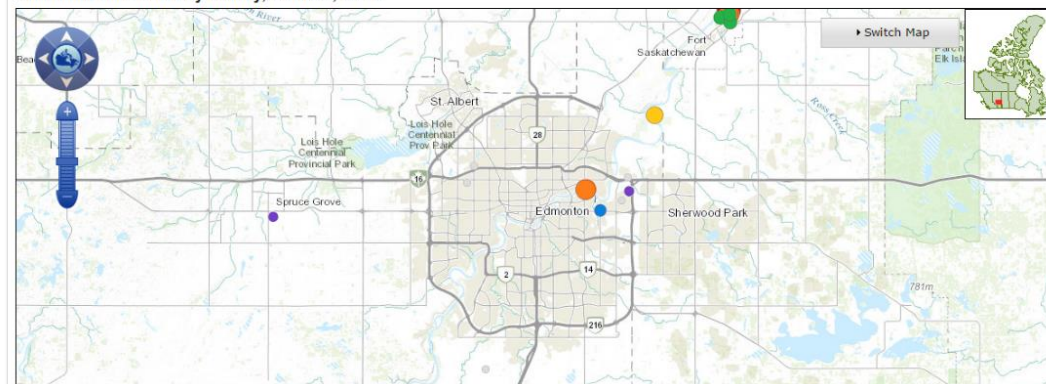
How to use this page

Map Preferences

Select theme: **Air** and indicator: **Emissions - Ammonia**

Choose province: **AB** city: **Edmonton** or enter postal code (A1A): Find The postal code is invalid

Ammonia emissions by facility, Canada, 2014



Interactive Indicator Maps

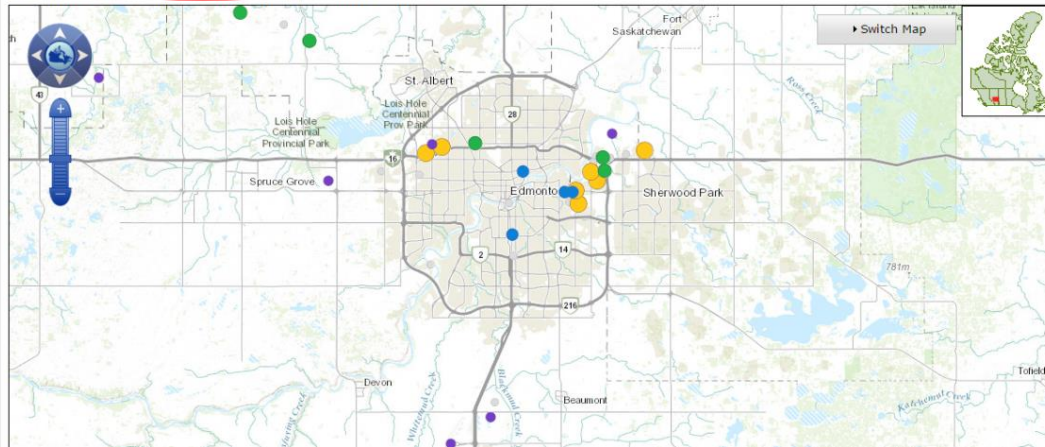
How to use this page

Map Preferences

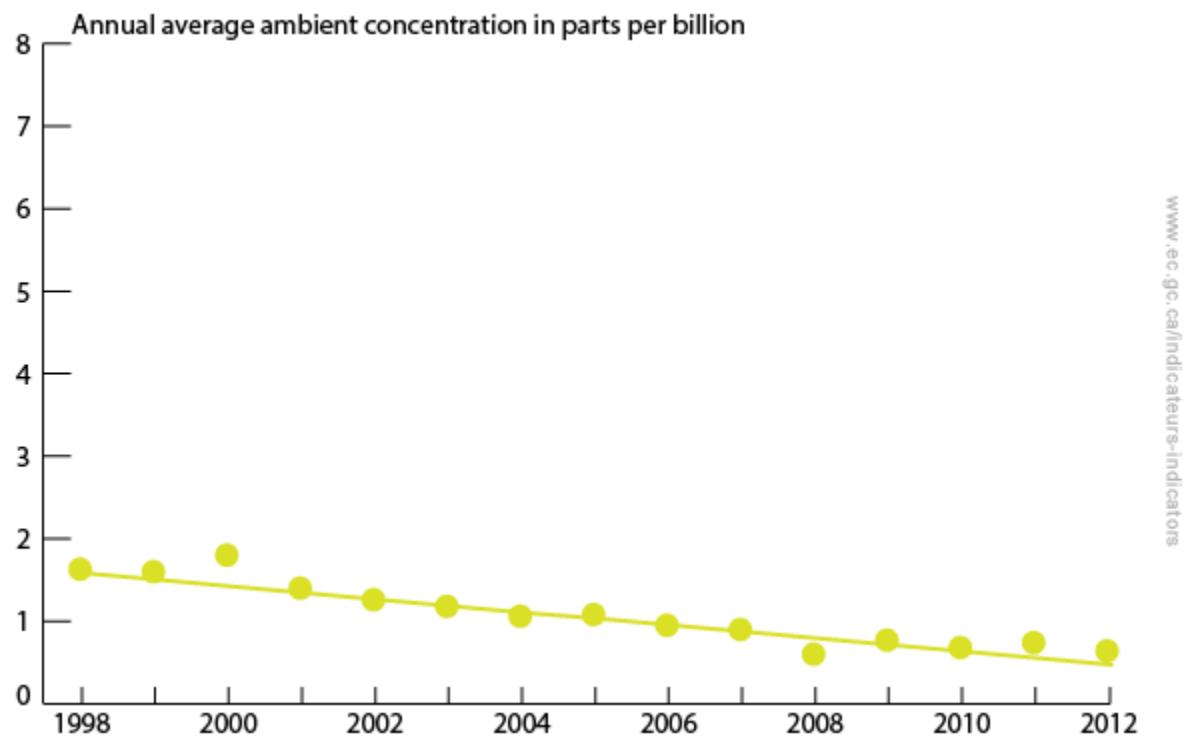
Select theme: and indicator:

Choose province: city: or enter postal code (A1A): The postal code is invalid

~~total particulate matter emissions by facility, Canada, 2014~~



Environment Canada



Prairies and Northern Ontario

<https://www.ec.gc.ca/indicateurs-indicators/default.asp?lang=en&n=307CCE5B-1>

The line chart (above) shows the average concentration of sulfur dioxide in the air in the Prairies and northern Ontario from 1998 to 2012. In 2012, the annual average concentration of sulfur dioxide in outdoor air was 0.6 parts per billion, or 14 percent lower than in 2011. A declining trend was detected from 1998 to 2012, representing a decrease of 68 percent (or an average decrease of 4.8 percent per year) over that period.

APPENDIX D

These screenshots were downloaded from the CASA Data Warehouse Oct. 19, 2015. CASA Data Warehouse is now under AMERA <http://environmentalmonitoring.alberta.ca/>

Number Of Times Alberta Ambient Air Quality Objectives were exceeded from August 10, 2013 to September 10, 2015

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Parameter	Sulphur Dioxide		
Averaging Period	1-Hour	24-Hour	Annual
Objective	0.172 ppm	0.048 ppm	0.008 ppm
Station			
Anzac	0	0	0
Battle River North Ambient Trailer	0	0	0
Battle River South Ambient Trailer	0	0	0
Beaverlodge	0	0	0
Bertha Ganter - Fort McKay	0	0	0
Breton	0	0	0
Bruderheim	0	0	0
Buffalo Viewpoint	0	0	0
Calgary Northwest	0	0	0
Calgary Southeast	0	0	0
Caroline	0	0	0
Carrot Creek	0	0	0
Clairmont-Portable	0	0	0
CNRL Horizon	0	0	0
Cold Lake South	0	0	0
Crescent Heights	0	0	0
Didsbury West	0	0	0
Edmonton Central	0	0	0
Edmonton East	0	0	0
Edmonton South	0	0	0
Edson	0	0	0
Elk Island	0	0	0

Elk Point Airport (Portable)	0	0	0
Everdell	0	0	0
Evergreen Park	0	0	0
Falher	0	0	0
Ferrier Acres	0	0	0
Firebag	0	0	0
Fort Chipewyan (WBEA)	0	0	0
Fort McKay South (Syncrude UE1)	0	0	0
Fort McMurray-Athabasca Valley	0	0	0
Fort McMurray-Patricia McInnes	0	0	0
Fort Saskatchewan-92 St and 96 Ave	0	0	0
Genesee	0	0	0
Grande Prairie (Henry Pirker)	0	0	0
Hinton	0	0	0
James River	0	0	0
James River East	0	0	0
Lamont County	0	0	0
Lancaster	0	0	0
Lethbridge	0	0	0
Lower Camp	0	0	0
Mannix	0	0	0
Maskwa	0	0	0
Meadows	0	0	0
Mildred Lake	0	0	0
Millennium Mine	0	0	0
Olds South	0	0	0
Ponoka	0	0	0
Portable Taber	0	0	0
Power	0	0	0
Range Road 220	0	0	0

Red Deer - Riverside	0	0	0
Redwater Industrial	46	8	0
Rimbey Townsite	0	0	0
Rocky Mountain House North	0	0	0
Ross Creek	0	0	0
Scotford (Temporary)	0	0	0
Scotford 2	0	0	0
Shell Muskeg River	0	0	0
Smoky Heights	0	0	0
ST. LINA	0	0	0
Steeper	0	0	0
Sylvan Lake East	0	0	0
Tomahawk	0	0	0
Valleyview	0	0	0
Violet Grove	0	0	0
Wagner2	0	0	0
Wapasu	0	0	0
Woodcroft	0	0	0

n/a - Data was not collected.

*There is no 1-hour objective for PM2.5.

A 1-hour guideline of 80 ug/m3 is based on the statistical equivalent of the Canada Wide Standard (CWS).

This guideline is not used for compliance purposes.

Calculation of hourly, multiple hour averages, or multiple day averages is based on consecutive hours.

The collection period starts at 12:01 AM MST.

Calculation requires data availability of 75%.

Today() is: 19/10/2015