

**Pollutants Monitored:**

- CO - Carbon Monoxide
- PM<sub>10</sub> - Particulate less than 10 microns in diameter
- PM<sub>2.5</sub> - The fraction of PM<sub>10</sub> smaller than 2.5 microns in diameter
- H<sub>2</sub>S - Hydrogen Sulphide
- NO - Nitric Oxide
- NO<sub>2</sub> - Nitrogen Dioxide
- NOx - NO + NO<sub>2</sub>
- O<sub>3</sub> - Ozone
- SO<sub>2</sub> - Sulphur Dioxide
- TRS - Total Reduced Sulphur
- TSP - Total Suspended Particulate (all particulate up to about 50 microns in diameter)
- VOCs - Volatile Organic Compounds
- PAH - Polyaromatic Hydrocarbons
- POPs - Persistent Organic Pollutants

**National Monitoring Networks and Databases:**

- NAPS - National Air Pollution Surveillance Network (<http://www.etc-cte.ec.gc.ca/naps/>)
- NAtChem - The Canadian National Atmospheric Chemistry Database (<http://www.msc-smc.ec.gc.ca/NAtChem/>)

**Monitoring Equipment in Operation:**

- High Vol - High Volume Sampler, measures TSP
- Dichot - Dichotomous Sampler, simultaneously measures the fine fraction (PM<sub>2.5</sub>) and coarse fraction (PM<sub>2.5</sub> - <sub>10</sub>) of PM<sub>10</sub>
- PM<sub>2.5</sub> (BAM) - Beta-Attenuation Mass particulate monitor
- PM<sub>2.5</sub> (TEOM with SES) - Tapered Element Oscillating Microbalance particulate monitor with Sample Equilibration System Dryer

Black text denotes stations operated by Nova Scotia Environment and Labour.  
 Red text denotes stations operated by Environment Canada.  
 Blue text denotes planned future monitoring at any station.

# Nova Scotia Ambient Air Monitoring Stations

**Sydney Stations:**  
**Coal Loading Pier:**  
 NAPS: 030303  
 Monitoring:  
 TSP (High Vol.)

**Welton Street:**  
 NAPS: 030310  
 Monitoring:  
 CO  
 NOx, NO, NO<sub>2</sub>  
 O<sub>3</sub>  
 PM<sub>2.5</sub> (TEOM with SES)  
 SO<sub>2</sub>  
 Pending:  
 VOC  
 Wind

**Pictou:**  
 Monitoring:  
 NAPS: 030901  
 PM<sub>2.5</sub> (BAM)  
 TRS  
 Wind  
 Pending:  
 NOx, NO, NO<sub>2</sub>  
 VOC

**Jackson (Cobequid) (EC):**  
 NAt Chem: NSPM86341A  
 Monitoring:  
 Acid Precipitation

**Kentville (EC):**  
 NAPS: 031101  
 Monitoring:  
 O<sub>3</sub>

**Aylesford Mountain:**  
 NAPS: 030701  
 Monitoring:  
 O<sub>3</sub>  
 Pending:  
 NOx, NO, NO<sub>2</sub>  
 PM<sub>2.5</sub> (BAM)  
 Wind

**Port Hawkesbury Stations:**  
**Old Post Office:**  
 NAPS: 030201  
 Monitoring:  
 SO<sub>2</sub>  
 Pending:  
 NOx, NO, NO<sub>2</sub>  
 O<sub>3</sub>  
**Playground:**  
 NAPS: 030202  
 Pending:  
 PM<sub>2.5</sub> (BAM)  
 Wind

**Sherbrooke:**  
 NAtChem: NSPM86442A  
 Monitoring:  
 Acid Precipitation

**Halifax/Dartmouth Stations:**  
**Lake Major:**  
 NAPS: 030120  
 Monitoring:  
 PM<sub>2.5</sub> (TEOM with SES)  
 Pending:  
 NOx, NO, NO<sub>2</sub>  
 O<sub>3</sub>  
 SO<sub>2</sub>  
 Wind

**Roy Building:**  
 NAPS: 030118  
 Monitoring:  
 CO  
 NOx, NO, NO<sub>2</sub>  
 O<sub>3</sub>  
 SO<sub>2</sub>  
 VOC

**Johnson Building:**  
 NAPS: 030113  
 Monitoring:  
 PM<sub>2.5</sub> (BAM)  
 PM<sub>2.5</sub> (TEOM with SES)  
 PM<sub>2.5</sub> Speciation  
 PM<sub>2.5</sub> PM<sub>10</sub> (Dichot)  
 TSP (High Vol)

**Kejimikujik National Park (EC):**  
 NAPS: 030501  
 Monitoring:  
 Acid Precipitation  
 GHG  
 Hg  
 O  
 PAH  
 Pb  
 PM<sub>2.5</sub> (TEOM with SES)  
 PM<sub>2.5</sub> PM<sub>10</sub> (Dichot)  
 POPs  
 VOC  
 Monitoring:  
 PM<sub>2.5</sub> (FRM)

**Dayton (EC):**  
 Monitoring:  
 NAPS: 030801  
 O<sub>3</sub>



Sherbrooke, Nova Scotia  
 Acid Precipitation Monitoring Station

**Sable Island:**  
 NAPS: 031001  
 Monitoring:  
 NOx, NO, NO<sub>2</sub>  
 O<sub>3</sub>  
 H<sub>2</sub>S / SO<sub>2</sub>  
 PM<sub>2.5</sub> (BAM)  
 Wind

