



Meteorological Monitoring

- Up to 75 feet towers, trailer mounted or self standing
- Vertical and horizontal wind speed and direction
- Temperature, relative humidity, precipitation
- Solar radiation, barometric pressure
- Stability class (solar radiation, delta T, sigma A)
- Radio, cellular, satellite, and secured data communication to internet web site
- On site and/or in office real time display of all parameters
- Real time remote alarm system display for all flaring management plans

Stand Alone Air Quality Monitoring

- Environmental sensors with ppb accuracy
- H₂S, SO₂ – standard unit
- NO₂, O₃, CO, Benzene, NH₃, VOC, and noise available
- Wind speed, wind direction, temperature
- Radio, cellular, satellite and secured data communication to internet web site
- On site and/or in office real time display of all parameters



Mobile Air Quality Monitoring

- H₂S, SO₂ – standard unit
- NO/NO₂/NOX, O₃, THC,
- Readings in low range or high range ppb
- TEOM PM₁₀, PM_{2.5}, TSP
- Climate controlled instruments only space
- Wind speed / wind direction
- GPS system for monitoring point locations
- Daily report printouts for well or plant supervisor
- All units are 4X4 equipped with massive power back-up system
- Full compliance with Alberta Air Monitoring Directive reporting and the Alberta Environment



Point Source Monitoring (leak detection)

- H₂S, SO₂ – standard unit
- NO/NO₂/NOX, O₃, THC,
- All reading in high or low range ppb
- Unit is equipped to monitor locations 300 feet from vehicle access
- High volume suction pump and manifold
- Hand held leak detection wand



Ambient Air Monitoring Trailers

- H₂S, SO₂ – standard unit
- NO/NO₂/NO_x, O₃, THC
- All readings in low ppb
- TEOM, PM₁₀, PM_{2.5}, TSP
- Vertical and horizontal wind speed
- Wind direction
- Temperature, relative humidity
- Land line, cellular, satellite and internet communication
- Daily on line reports via web site display
- Stations are mobile or skid mounted temperature controlled environments
- Custom build stations and/or networks
- Servicing and calibration, reporting and maintenance of customer owned air monitoring stations
- Monthly and/or yearly compliance reporting in accordance to Alberta Air Monitoring Directive



VOC Monitoring

- Volatile Organic Compounds Monitoring
- Samples collected with bags or SUMMA canisters
- Accredited laboratory analytical support
- Follow up reports provided



Ambient Particulate Monitoring

- TEOM, PM_{2.5}, PM₁₀, PM₁, TSP
- High volume and/or low volume samplers
- Ambient particulate analyzers
- 24 hour average reporting
- 1 hour average reporting

Ambient Heavy Metals Monitoring

- Pb, Cd, Zn, Cr, Cu, Mg, Ni, Mn, As, Ba, K, V, Hg
- High volume and/or low volume samplers
- Accredited laboratory analytical support
- 12 and/or 24 hour average reporting



Passive Air Quality Monitoring

- SO₂, H₂S, O₃, NO_x, VOC's, NO₂
- Accredited laboratory analytical support
- Monthly change out of samples and reporting