novus ENVIRONMENTAL NOW PART OF SLR

Energy & Utilities

Potential impacts resulting from air, noise and odour emissions associated with energy and utility development will continue to play an increasing role in both industrial approvals and in land-use planning. Understanding these issues will be important as facilities and exploration continue to expand and industry looks for creative and cost-effective ways to extract resources. In addition, there is an increased need for industry to consider the cumulative effects associated with their facilities.

Experts that listen to your needs and develop innovative, practical solutions.

Specializing in air quality, noise, vibration and odour management, we use our knowledge to understand our client's needs and to develop feasible, working solutions. Our experts have decades of experience in dealing with environmental approvals and assessments for the Energy Sector.

SERVICES:

- Local Air Quality, Dust and Odour
- Regional Air Quality
- Environmental Noise and Vibration
- Hazardous Release Modelling

WHERE WE CAN HELP:

- Power Plants
- Sour Gas Wells, Pipelines and Facilities
- Routine and Non-routine Flaring
- Wind Turbine Arrays
- Oilsands Facilities (Mining and in Situ)
- Tank Farms/Storage Terminals

Capabilities

AIR QUALITY

Local Air Quality: Computer modelling used to determine existing and future pollutant levels at nearby and sensitive receptors. Frequently used dispersion models include all regulatory approved models, such as AERMOD and CALPUFF.

Regional Air Quality (Smog and Haze): Regional computer modelling of primary and secondary air pollution at the regional scale, for large-scale projects which may have far reaching and cumulative effects, using SMOKE/CMAQ.

SOUND & VIBRATION

Environmental Noise: Measurement and computer modelling of a variety of sources to determine existing and future sound levels at noise sensitive receptors. This type of modelling is typically undertaken to determine the need for noise mitigation (e.g., mufflers, barriers, enclosures), or as part of an EIA. Models applied include ISO-9613 (Cadna/A).

Environmental Vibration: Measurement and modelling to determine existing and future levels of ground-borne or structure-borne vibration due to industrial sources, drilling and seismic activities. Analysis is normally completed to determine the need for source-based, path-based, and receptor-based mitigation measures.

STUDY TYPES:

- Regulatory Approvals for Air and Noise Under Alberta (AER, AUC & AESRD) and BC (MOE & OGC) Guidelines
- Acoustic Investigations
- Air Quality, Dust and Odour Assessments
- Neighbour Complaint Investigation and Resolution
- Environmental Impact Assessment Applications
- Amendment/Debottlenecking Applications

WHY NOVUS?

- Wide-ranging experience with industrial assessments for hundreds of successful projects, including environmental applications
- Direct access to senior specialists in noise, vibration, air quality and odour management
- Extensive experience working with government regulators, and with public presentation of results
- Qualified expert witnesses

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Harmonizing the built and natural environments