



Butte

480 E Park St
Butte, MT 59701
(406) 782-5220

Bozeman

151 Evergreen Dr
Suite A
Bozeman, MT 59715
(406) 582-0413

Anaconda

118 E 7th St
Anaconda, MT 59711
(406) 563-7290

Great Falls

1321 8th Ave N
Suite 204
Great Falls, MT 59401
(406) 761-2290

Kalispell

102 Cooperative Wy
Suite 100
Kalispell, MT 59901
(406) 756-2550

waterenvtech.com



Air Quality Services

Water and Environmental Technologies (WET) is a full-service environmental and civil engineering consulting firm that offers a variety of air quality services from project conception to completion.

Air Quality Permitting

When constructing a new industrial facility, expanding production, or modifying operations, facilities may be subject to air quality permitting requirements. Sources must be designed, constructed, and operated to comply with all applicable air quality regulations. Air quality requirements exist within a range of regulatory programs, including local/state and federal programs such as New Source Review (NSR) and Title V operating permit programs. Technical requirements such as emissions quantification, control technology evaluations, air quality analysis (including dispersion modeling), ambient air and meteorological monitoring, emission standards applicability, and compliance assurance are all components of these regulations.

WET can assist with all phases of the air permitting process, assuring accurate, timely permit applications that are focused on maximum operational flexibility. Expert negotiations with regulatory agencies simplify the permitting process.

Emission Inventories

Many air quality permits require a facility-wide inventory of all air emission sources. An accurate accounting of emissions is also necessary for accurate calculation of annual permit fees to regulatory agencies. In addition to common point sources, facilities often have emission sources that are more difficult to identify and quantify, such as material storage piles, material handling operations, surface coating operations, and dust from roadways and parking lots. Use of appropriate emission factors and rates is key for developing permitting strategies and determining applicable regulations.

Air Quality Scope of Services

- New Source Review (NSR) Rules, Prevention of Significant Deterioration (PSD) and Nonattainment Area PSD
- Tribal NSR Rules
- Title V Operating Permits

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- Minor Air Quality Permits
- Permit to Construct (PTC) Permits
- Air Dispersion Modeling
- Emissions Inventories and Reporting
- Compliance Assurance Monitoring (CAM) Plans
- Periodic Compliance Reporting
- National Emissions Standards for Hazardous Air Pollutants (NESHAP)
- New Source Performance Standards (NSPS) for New and Existing Sources
- Maximum Achievable Control Technology (MACT)
- Best Available Control Technology (BACT)
- Risk Management Plans (RMP)
- Environmental Impact Statements (EIS)
- Environmental Assessment (EA)
- Green House Gas (GHG) Reporting
- Regional Haze Program
- Emissions Control Technology Design and Evaluations
- Expert Witness Testimony
- Regulatory Strategy and Compliance Management
- Environmental Management Systems Design
- Visible Emissions
- Process and Plant Due Diligence and Engineering Studies
- Public Relations

To learn more about our air quality services, visit waterenvtech.com/air-quality-services

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