

Air Quality Regulations in North Carolina

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State/Local Regulations

- Air Programs Implemented by State and Local Agencies are Approved, or Delegated, by EPA.
- State Implementation Plans (SIPs) - Approved
 - SIP Requirements 40 CFR Part 51 [CAA, Section 110]
 - NC SIP – 40 CFR Part 52, Subpart II
- Title V Operating Permit Program - Approved
 - 40 CFR Part 70, Appendix A [CAAA, Title V]
- Delegated Programs
 - NSPS/Emission Guidelines [CAA, Section 111 and 129]
 - NESHAPs (Pts. 61 & 63) [CAA, Section 112]
 - Others

SIPs Cover:

- Emissions Inventory
- Attainment and Maintenance of NAAQS
- New Source Review
- Ambient Monitoring
- Source Surveillance
 - Testing, Inspection, Enforcement
 - Transportation Control Measures
 - Continuous Emissions Monitors
- Protection of Visibility
- Inspection & Maintenance (Automobile)
- Conformity (Transportation and General)

NC's Air Quality Rules

- 15A NCAC Chapters 2D and 2Q
- Most Rules apply to Stationary Sources
- Rules Cover:
 - Most, if not all, SIP Components
 - Title V Operating Permit Program
 - NSPS, EGs, NESHAPS (Pts. 61 & 63)
 - Acid Rain Program (Title IV)
 - Risk Management Program (112(r))
 - Compliance Assurance Monitoring (Pt. 64)
 - Air Toxics (State Only Enforceable)
 - More...

Rules: 15A NCAC 2D & 2Q

- Subchapter 2D - Emission Standards
- Subchapter 2Q - Permitting Procedures
- Local Program Rules Similar to State

Chapter 2D

- Section 2D .0100 - Definitions and References
- Section 2D .0200 - Air Pollution Sources
- Section 2D .0300 - Air Pollution Emergencies
- Section 2D .0400 - Ambient Air Quality Standards
- Section 2D .0500 - Emission Control Standards
- Section 2D .0600 - Monitoring: Recordkeeping: Reporting
- Section 2D .0700 - Post Attainment Policy
- Section 2D .0800 - Transportation Facilities
- Section 2D .0900 - Volatile Organic Compounds
- Section 2D .1000 - Motor Vehicle Emission Control Standards
- Section 2D .1100 - Control of Toxic Air Pollutants

Chapter 2D (cont.)

- Section 2D .1200 - Control of Emissions from Incinerators
- Section 2D .1300 - Oxygenated Gasoline Standard
- Section 2D .1400 - Nitrogen Oxides
- Section 2D .1500 – Transportation Conformity
- Section 2D .1600 - General Conformity
- Section 2D .1700 - Municipal Solid Waste Landfills
- Section 2D .1800 - Control of Odors
- Section 2D .1900 - Open Burning
- Section 2D .2000 - Transportation Conformity
- Section 2D .2100 - Risk Management Program
- Section 2D .2200 - Special Orders

Chapter 2Q

- Section 2Q .0100 - General Provisions
- Section 2Q .0200 - Permit Fees
- Section 2Q .0300 - Construction and Operation Permits
- Section 2Q .0400 - Acid Rain Procedures
- Section 2Q .0500 - Title V Procedures
- Section 2Q .0600 - Transportation Source Procedures
- Section 2Q .0700 - Toxic Air Pollutant Procedures
- Section 2Q .0800 - Exclusionary Rules
- Section 2Q .0900 - Permit Exemptions

Section 2D .0500

Emission Control Standards

- Most Rules are Specific Standards
- 2D .0501 - Compliance With Emission Control Standards
 - Emissions Testing
 - Bubble Concept (alternative controls)
- 2D .0524 - NSPS (ref. 40 CFR PT. 60)
- 2D .0530 - PSD (ref. 40 CFR 51.166)
- 2D .0531 - NA NSR (ref. 40 CFR 51.165)
- 2D .0535 - Excess Emissions Reporting and Malfunctions

Section 2D .0600

Monitoring: Recordkeeping: Reporting

- 2D .0606 - 40 CFR Pt. 51 Appendix P Sources
- 2D .0607 & .0608 - Large Wood, Coal, & Residual Oil Burners
- 2D .0610 - Federal Monitoring: NSPS, etc.
- 2D .0611 - Other Sources
- 2D .0614 - CAM, 40 CFR Pt. 64

Section 2D .0900

Volatile Organic Compounds

- 2D .0902 - Applicability
- Most Rules are Ozone Maintenance Area Contingency Measures
- Some Rules Apply State-Wide
 - 2D .0958 Work Practices for VOCs
 - 2D .0948 VOC Emissions from Transfer Operations
 - More

Section 2D .1400

Nitrogen Oxides

- 2D .1402 - Applicability
- Some Rules are Ozone Maintenance Area Contingency Measures
- Other Rules Implement the NO_x Budget/SIP Requirements

Section 2D .1200

Control of Emissions from Incinerators

- Emissions Guidelines - 40 CFR Pt. 60
 - Large MWCs -, Subpart Cb
 - MSWCs - Subpart Cc
 - HMIWI - Subpart Ce
 - Small Munciple Waste Combustion Units - Subpart BBBB
 - Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD
- Hazardous Waste Incinerators - 40 CFR Pt. 63
- Sludge Incinerators - 40 CFR Pt. 503
- Other Incinerators - SIP

Permitting

- Exemptions - Rule 2Q .0102
- SIP Permits - Section 2Q .0300
 - State C/O
 - NSR
- Title V Permits - Section 2Q .0500
- Merged Programs

Air Toxics

- Section 2Q .0700 - TAP Procedures
 - When/How State TAP Program Applies
 - Rule 2Q .0711 - Permit Thresholds
- Section 2D .1100 - Control of TAPS
 - How to Comply (modeling, etc.)
 - Rule 2D .1104 - Acceptable Ambient Levels
- State Only Enforceable
- Except for Delegated Programs:
 - 2D .1110 - NESHAPs (Pt. 61)
 - 2D .1111 - MACT
 - 2D .1112 - 112(g) Case-by-Case MACT

Help

WNCRAQA: 828/225-5655
<http://www.wncair.org/>

Permits: 919/715-6236
<http://daq.state.nc.us>

FCEAD: 336/727-8060
<http://www.co.forsyth.nc.us/envaffairs>

ARO
828/251-6208

WSRO
336/771-4600

RRO
919/571-4700

WaRO
252/946-6481

MRO
704/663-1699

MCDEP: 704/336-5500
<http://www.co.mecklenburg.nc.us/coenv/air/aqhmpg.htm>

FRO
910/486-1541

WiRO
252/946-6481

