

How to Get an Air Quality Permit in North Carolina



Peter Lloyd

Forsyth County Environmental Affairs Department



Rules: 15A NCAC 2D & 2Q

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

Permits

- Operation
 - FESOP & S/L SIP Permits
 - Title V
- Construction
 - Minor NSR (Most Pre-construction Permits)
 - Major NSR (PSD/Nonattainment NSR)
- Merged Programs
- Transportation Facilities
 - Parking Lot Construction
 - 1500/750/1000 Spaces

Facility Classifications

- Actual Emissions < 5 tpy - No Permit Required
- PtE* < 100/25/10** tpy - Small Facility
- PtE < 100/25/10 Using Permit - Synthetic Minor
- PtE > 100/25/10 tpy - Title V Major
- PtE > 250 (100) tpy - PSD Major

*Potential to Emit

**100 tpy of a criteria pollutant/25 tpy of all HAPs/10 tpy of one HAP

Annual Permit Fees

North Carolina - Calendar Year 2001

Category	Tonnage Factor	Basic Permit Fee	NAA Fee
Title V	\$17.42 (\$18.72)	\$6074 (\$6524)	\$3097 (\$3326)
Synthetic Minor		\$1500	
Small		\$250	
Transportation		\$0	
General		50% of Applicable Fee	

Permit Exemptions

- Not Available for Most NSPS/NESHAP
- Request Applicability Determinations
- Title V Insignificant Activities:
 - < 5 tpy PtE Criteria Pollutants
 - < 1000 lb/yr PtE HAPs
- Non-Title V Examples:
 - Unit with PtE < 5 tpy, no control
 - NG Boiler < 10 (65) MMBtu/hr HIR
 - Emergency Use Diesel Generator < 410 hp

Permit Application

- Part A - General Facility Information
- Part B - Emission source Descriptions
- Part C - Control Device Descriptions
- Part D - Emissions and Regulatory Information
- D6 - Technical Analysis To Support Application
- Part E - Title V Information

Permit Application

- D6 - Technical Analysis To Support Application
 - Emission Calculation
 - Regulatory Analysis
 - Control Device Analysis
 - Process and Operational analysis
 - Professional Engineer's Seal
 - 15A NCAC 2Q .0112
 - G.S. 89C

Permit Application

Other Requirements

- Application Fee
- Local Government Consistency Determination
- Dispersion Modeling - TAPs, NAAQS
- Financial Qualification and Substantial Compliance Statement (when requested)
- Public Participation

Permit Application Fees

North Carolina - Calendar Year 2001

Category	Significant Modification	Modification	Ownership change
Title V	\$8576 (\$9210)	\$834 (\$895)	\$60
Title V: PSD or NSR	\$12982 (\$13944)		\$60
Title V: PSD & NSR	\$25250 (\$27119)		\$60
Synthetic Minor		\$400	\$50
Small		\$50	\$25
Transportation		\$400	\$50
General	50% of Applicable Fee		25

Title V Modifications Tracks

- Section 502(b)(1) Changes
 - Prior Notification to Agency and EPA - 7 Days
 - 2Q .0300 Procedures Also Apply
 - No Permit Shield (Title V)
- Minor Modifications (Title V)
 - Agency Notifies EPA/Affected States w/in 5 Days
 - 2Q .0300 Procedures Also Apply
 - No Permit Shield

Title V Modifications Tracks

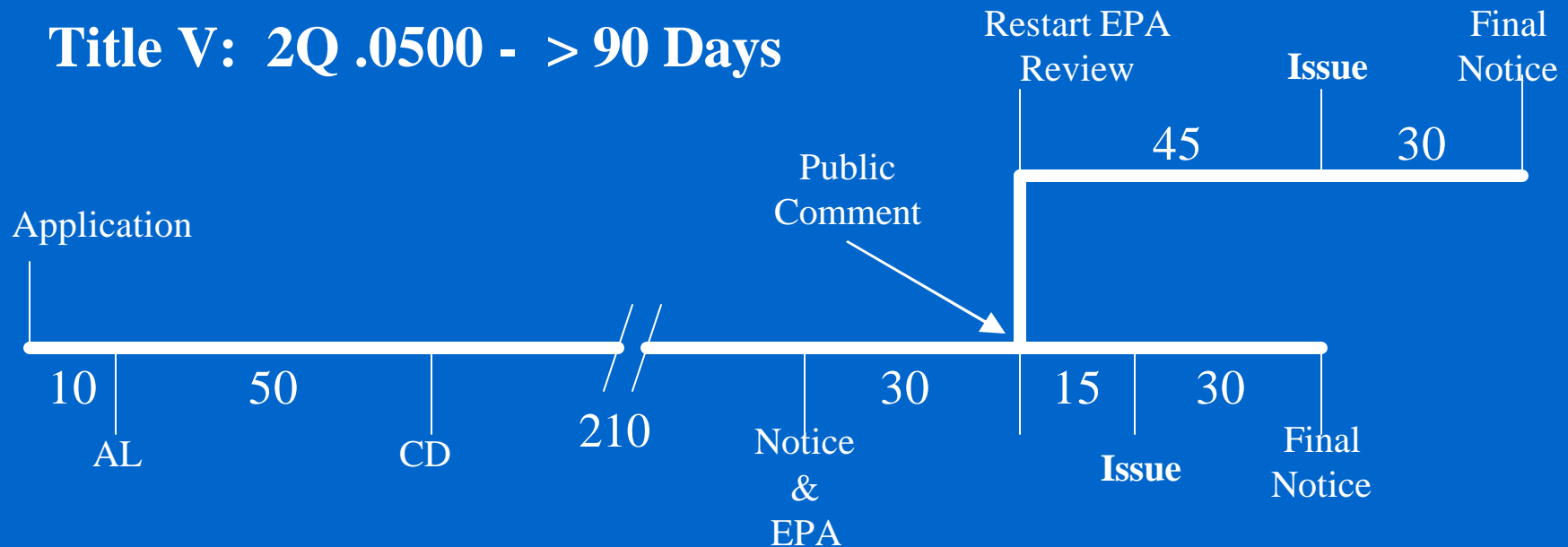
- Significant Modifications (Title V)
 - Includes:
 - Major NSR and NSR Avoidance Limits
 - Significant Monitoring Changes
 - 2Q .0500 Procedures w/ Public & EPA Comment
 - Construction Approval Available under 2Q .0300

Permit Application Processing

Non-Title V: 2Q .0300 - 90 Days Total



Title V: 2Q .0500 - > 90 Days



New Source Review - PSD

- Existing NSR Rules (40 CFR 51.166, 3/15/96)
- Pre-application Meeting - Required
- FLM Notification (Class I Areas)
- BACT
- AQ Analysis
- Additional Impact Analysis - Visibility, Soils, Vegetation, Growth.

New Source Review - NAA

- Existing NSR Rules (40 CFR 51.165, 1/1/89)
- Pre-application Meeting - **Required**
- FLM Notification (Class I Areas)
- LAER
- Compliance for All Major Sources
- Offsets (1.00 - 1.15)
- 8-hour O₃ Implementation (December?)
- PM_{2.5} Implementation (Spring '05?)

Construction w/o Permit - SB 945

- New Facilities - No Change
- Existing Facilities
 - Eligibility (e.g. PSD exclusion)
 - Newspaper notice 15 days before construction
 - \$200 Processing Fee
 - Notice of intent to construct
 - Certification
 - DAQ Approval/Cease Construction Order
 - Permit Required Before Operation

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

RRO
919/571-4700

WaRO
252/946-6481

MCDEP: 704/336-5500
<http://www.charmeck.org/Departments/LUESA/Home.htm>

FRO
910/486-1541

WiRO
910/395-3900

