



**AVX Incorporated  
Draft Air Title V Operating Permit  
Public Meeting**

**SC DHEC Bureau of Air Quality  
March 14, 2013**

# What is a Title V Operating Permit?

- Established by the Clean Air Act
- Federally enforceable - what does that mean?
- Incorporates all current regulatory requirements into one document

# Changes Since Last Permit

- Incorporating Construction Permits
- Exemptions
- Equipment Relocation and Removal
- Environmental Contact Changes
- Updated Emissions Inventory Requirements

# Comments on Draft Permit

- Facility's ability to comply with state and federal air regulations
- Types of monitoring and testing

# AVX Facility Description

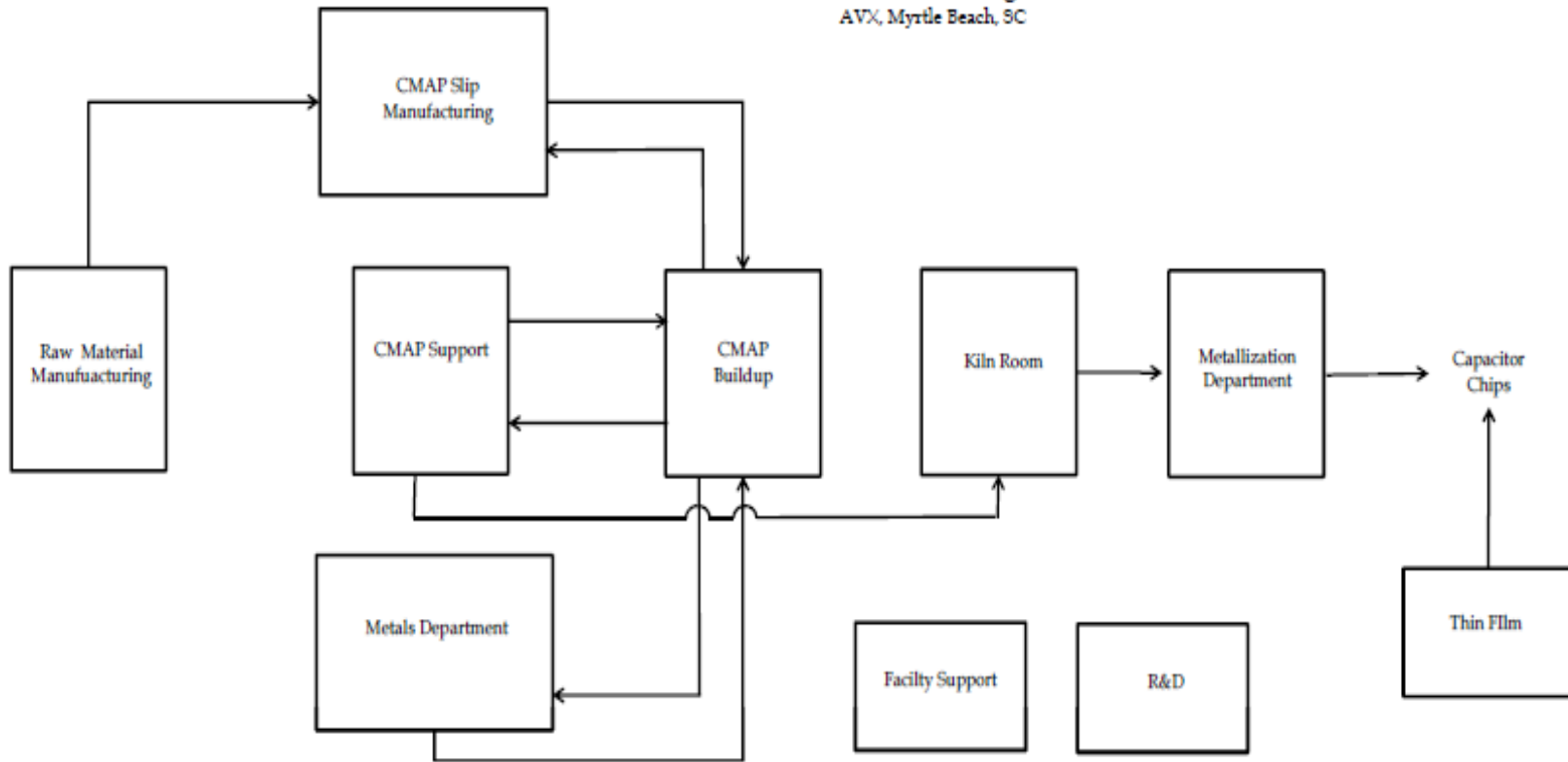
- Manufactures electronic capacitors used in:
  - Aerospace industry
  - Data processing industry
  - Telecommunications industry
  - Military applications

# Capacitor Manufacturing Process

- Raw Materials Manufacturing
- Slip Manufacturing
- Metals Department
- Chip Manufacturing
- Chip Manufacturing Support
- Kilns
- Termination and Plating
- Thin Film Process
- Facility Support/R&D

Overall Manufacturing Process

AVX, Myrtle Beach, SC



Legend

— Material Flow

# Emission Controls and Limits

- Volatile Organic Compounds
  - Controlled by a adsorber/desorber/thermal oxidizer system
  - Source test every 3 years
  - Limits on Opacity and Thermal Oxidizer
  - Continuous temperature monitoring system and alarms
  - Visual Inspections
  - Records to ensure proper operation
    - Temperature
    - Pressure drop gauges



# Emission Controls and Limits

- Particulate matter
  - Controlled by baghouses
  - 20% opacity limit
  - PM limit based on process weight rate
  - Visual inspections
  - Records to ensure proper operation
    - Pressure drop gauges
    - Maintenance logs

# Emission Controls and Limits

- Thin Film - Hazardous Air Pollutants
  - Controlled by scrubbers
  - Source test every 3 years
  - Limits on Opacity and Particulate Matter
  - Visual Inspections
  - Records to ensure proper operation
    - Pressure drop gauges
    - pH meters
    - Preventative maintenance

# Other Permit Requirements

- Limits on facility wide emissions
- Certification of operation
- Emissions Inventory Reporting

# Compliance – BAQ's Responsibilities

- Recordkeeping/Reporting Review
- Comprehensive Inspections
- Complaint Investigations
  - **Contact your local DHEC office:**  
EQC Region 6  
927 Shine Avenue  
Myrtle Beach, SC 29577  
(843) 238-4378

# Next Steps

- 03/26/13: End of public comment period
- Review of all comments
- Permit decision
- Notify interested parties of permit decision