



**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

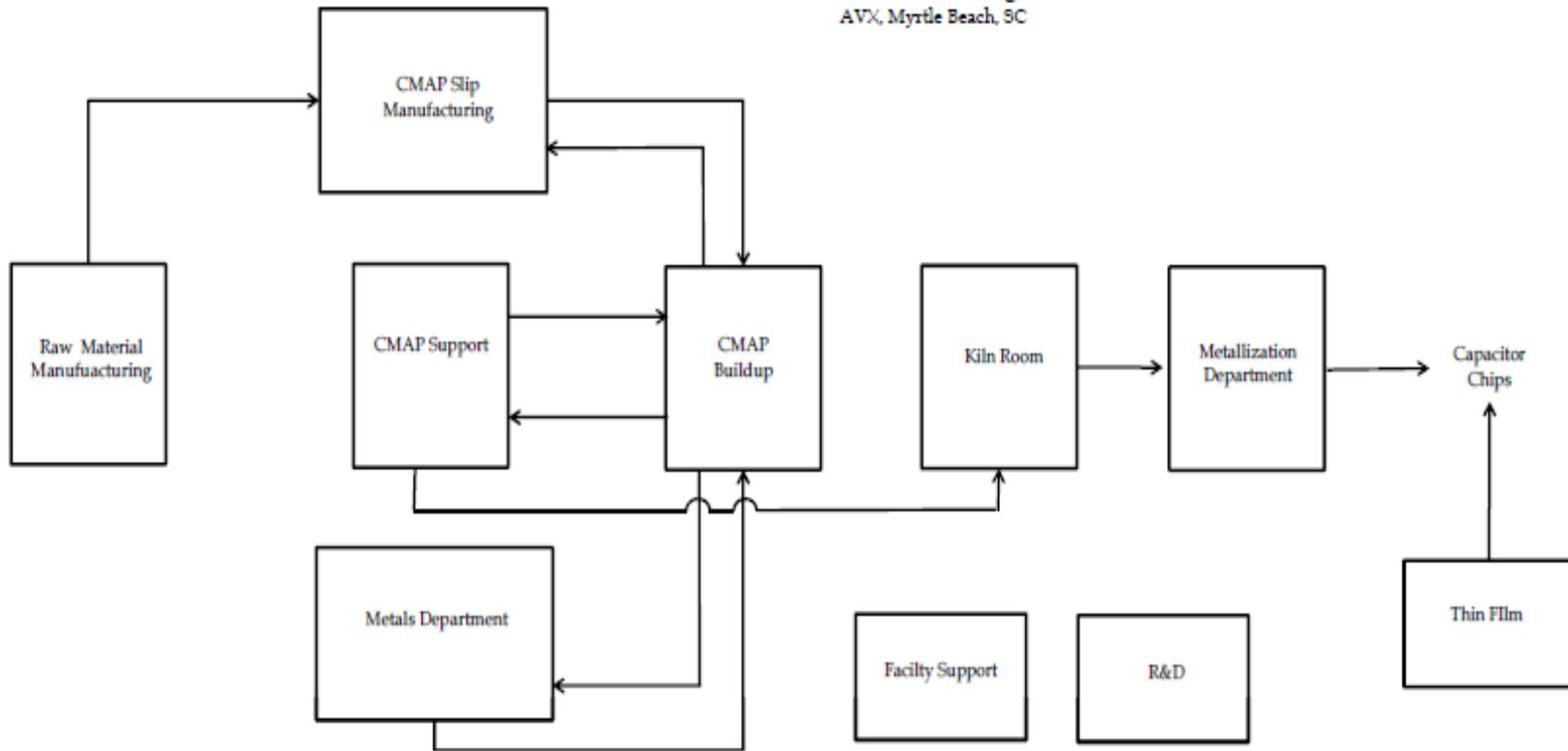
- Manufactures electronic capacitors used in:
 - Aerospace industry
 - Data processing industry
 - Telecommunications industry
 - Military applications

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