



Catherine B. Templeton, Director

Promoting and protecting the health of the public and the environment

September 19, 2012

Ralph Bryant
AVX Corporation
PO Box 867
801 17th Ave South
Myrtle Beach, SC 29577

Re: RCRA Compliance Evaluation Inspection
EPA ID# SCD 062 690 557
Horry County

Dear Mr. Bryant:

On September 7, 2012, a representative of the South Carolina Department of Health and Environmental Control (SCDHEC or otherwise the Department) inspected the facility referenced above. The purpose of the inspection was to determine compliance with the requirements as specified in the South Carolina Hazardous Waste Management Regulations (SCHWMR or otherwise regulations), 25 S.C. Code Ann. Regs. 61-79, as amended, promulgated pursuant to the South Carolina Hazardous Waste Management Act, S.C. Code Ann. Section 44-56-30, as amended. This inspection fulfills the grant commitment between South Carolina and the US EPA for fiscal year 2012.

The inspection participants were as follows:

- Ralph BryantAVX Corporation
- Matt Maxwell.....SCDHEC - Region 6, Myrtle Beach EQC

AVX Corporation (AVX) operates a capacitor chip manufacturing facility that supplies various electronics industries. The base component of the chips is a ceramic material that goes through the Raw Materials Manufacturing (RMM) process where solvents and ceramic powder are mixed to produce slip. The chips are then formed by using a build-up process known as the Chip Manufacturing Automated Process (CMAP). In the CMAP process slip is laid with alternating layers of metal electrode ink. Solvent waste and metals that are not reclaimed or volatilized from this process are removed as hazardous waste. There are also supporting processes to CMAP that utilize solvents to wash and clean equipment and parts. Spent solvent and paper towels with solvent and/or heavy metals residue (that can't be reclaimed) are handled as hazardous waste. This facility is a Large Quantity Generator for hazardous waste.

I arrived at the facility at approximately 1:00 pm. We held a brief meeting discussing the inspection proceedings and plant overview. After the meeting we conducted a facility tour and records review. During the inspection the following areas were inspected:

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

Region 6

Serving Georgetown, Horry and Williamsburg Counties

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- Myrtle Beach 1 (MB1)
 - Termination
 - SBE Plating
 - DVC Burn-in
 - DVC
 - RMM
 - Plating Harperizing
 - Plating Wastewater (90-day storage)
 - Warehouse
 - Slip Manufacturing (90-day storage)
 - Metals Lab
 - Reclaim Shed
 - Universal Waste Storage

- Myrtle Beach 2 (MB2)
 - Runway Waste Pad (90-day storage)
 - Spencer Collector
 - Firing Prill Room
 - Kiln Firing Area
 - Termination
 - CMAP Support
 - CMAP Buildup (90-day storage)
 - Thin Film Ball Room
 - Thin Film Photo Chase (90-day storage)
 - Thin Film Hallway flammable Cabinet
 - Thin Film Etching
 - Thin Film Photo
 - Thin Film Photo Plating
 - Termination Solvent Wash

- Research & Development (R&D)
 - APTC Backdoor (90-day storage)
 - APTC Shipping/Receiving
 - APTC Plating
 - APTC Wet Etch
 - APTC Wet Chemistry
 - APTC RMM-A
 - APTC Kiln Room
 - APTC Thick Film Process
 - APTC Tantalum Room
 - APTC Harperizing

The following records were reviewed:

- Hazardous waste quarterly reports
- Hazardous waste manifests
- Hazardous waste weekly inspection logs
- Personnel training records
- Facility map (communications, extinguishers, spill kits)
- Hazardous waste contingency plan

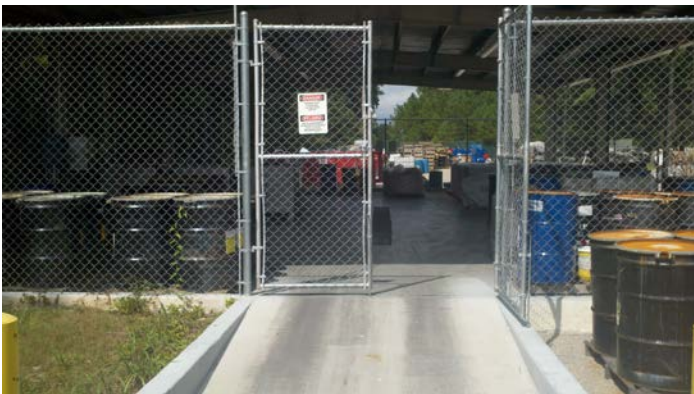
Photos:



MB1 - Plating Wastewater 90-Day Storage



MB1 – Slip Manufacturing 90-Day Storage



MB2 – Runway Waste Pad 90-Day Storage



MB2 – CMAP Buildup 90-Day Storage
(Unsealed drum was empty)



MB2 – Thin Film Photo Chase 90-Day Storage



R&D – APTC Back Door 90-Day Storage

Based on my observations at the time of inspection no deficiencies were noted and the company is considered to be in compliance with the applicable portions of the SCHWMR.

AVX may benefit by implementing a pollution prevention/waste minimization program to further reduce its environmental impact and management costs. DHEC's Center for Environmental Sustainability provides a free, non-regulatory technical assistance service designed to help companies implement this type of program. To receive more information about the Center for Environmental sustainability and this program contact the Center at 803-896-8986.

If you have any questions please feel free to contact me at 843-238-4378.

Sincerely,

Matt Maxwell
Program Manager

cc: Bobby Lee, BLWM