

BOARD:
Paul C. Aughtry, III
Chairman
Edwin H. Cooper, III
Vice Chairman
Steven G. Kisner
Secretary



C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment

BOARD:
Henry C. Scott
M. David Mitchell, MD
Glenn A. McCall
Coleman F. Buckhouse, MD

November 6, 2008

Mr. Jack Huggins
AVX Corporation
PO Box 867
Myrtle Beach, SC 29578

Re: NPDES Permit # SC0047953
AVX Corporation, Myrtle Beach Plant
Horry County, South Carolina

Reg: CEI (Compliance Evaluation Inspection)
September 17, 2008

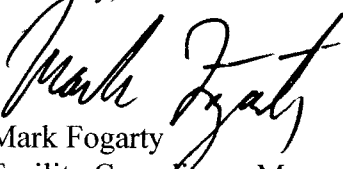
Dear Mr. Huggins:

A review of the attached CEI indicates that the NPDES permit requirements evaluated during the inspection were being met; therefore, no response is necessary.

DHEC's Center for Waste Minimization offers a free, non-regulatory service to help facilities identify pollutant sources and develop programs to reduce them. Contact the Center at (803) 896-8985 for more information concerning this service.

If you have any questions regarding this report, please contact me at (803) 898-4306.

Sincerely,


Mark Fogarty
Facility Compliance Manager
Water Pollution Compliance Section
Bureau of Water
<mailto:fogartme@dhec.sc.gov>

Attachment

cc: Larry Ragsdale, Director, Region 6 EQC
Fred Earnhardt, Inspector, Region 6 EQC
Ted Ambrose, Reviewer, Region 6 EQC
File



South Carolina Department of Health and Environmental Control

NPDES Compliance Inspection Report

NPDES Permit #: SC0047953

Inspection Type: CEI Date of Inspection: September 17, 2008

Entry Time: 13:30 Exit Time: 16:00

Permit Effective Date: March 01, 2007 Permit Expiration Date: June 30, 2011

Name and Location of Facility:

AVX Corporation
801 17th Avenue South
Myrtle Beach, S.C. 29577
N 33.6782°, W 78.9093°

Name, Title, Telephone No. of On-Site Representative(s):

Jack Huggins, Facility Manager: 843.946.0506
Boyd Holt, Environmental Health & Safety Manager: 843.946.0377

Name and Address of Responsible Official/Title/Telephone No.:

Larry Blue
Post Office Box 867
Myrtle Beach, S.C. 29578-0867

***Areas Evaluated During Inspection**

* Permit
* Records/Reports
* Facility Site Review
* Effluent/Receiving Waters
Collection System

* Flow Measurement
* Self-Monitoring
Compliance Schedules
Laboratory
Other:

* Operation and Maintenance
Sludge Handling/Disposal
Pretreatment
Storm Water

Name of Inspector: Ted Ambrose

Region: Region 6

Name of Reviewer: Ted Ambrose

Date: September 17, 2008

Signature of PSC Reviewer: 

Date: 11/6/08

**COMPLIANCE EVALUATION INSPECTION
AVX CORPORATION
MYRTLE BEACH, SOUTH CAROLINA
NPDES # SC0047953**

On September 17, 2008, personnel from the South Carolina Department of Health and Environmental Control (DHEC) performed a Compliance Evaluation Inspection at AVX Corporation, Myrtle Beach, South Carolina. All findings made during the inspection were discussed with the representatives in a closing conference.

The following individuals were present during the inspection:

<u>NAME</u>	<u>ORGANIZATION</u>	<u>TELEPHONE</u>
Jack Huggins	AVX Corporation	843.946.0506
Boyd Holt	AVX Corporation	843.946.0377
Fred Earnhardt	SC DHEC, Region 6	843.238.4378
Ted Ambrose	SC DHEC, Region 6	843.238.4378

PERMIT

AVX Corporation is permitted to discharge treated wastewater and land-apply treated wastewater associated with groundwater remediation by NPDES permit SC0047953. The receiving waterbody is Withers Swash, which flows to the Atlantic Ocean just south of 3rd Avenue South in Myrtle Beach, S.C. This permit became effective on March 01, 2007 and expires on June 30, 2011. The location and discharge associated with this permit are accurately described in the referenced permit. This facility pumps contaminated groundwater to an air stripper, discharging the treated water to a series of three (3) stormwater ponds on the facility's property. Water from the first stormwater pond is used for land application upon a cumulative of seven (7) acres landscaped area. Land-application rates are limited to 8,857 gallons per day per acre. This limits daily land-application flow to 61,999 gallons per day. The permit does not limit flow of treated water to the onsite stormwater ponds and Withers Swash.

RATING: Satisfactory

RECORDS AND REPORTS

Records and reporting were reviewed for the following months: March 2008, April 2008, May 2008, and August 2008. Records were readily available onsite, going back at least three (3) years, per permit requirement. Sampling and analysis data included dates, times, location, and individual(s) performing sampling / analysis. Reviewed analytical results and recordkeeping were consistent with data submitted on facility's monthly discharge monitoring reports (DMRs). However, based on review of records, it appears that AVX may have overestimated production from the groundwater remediation air stripper by an order of magnitude. AVX must resubmit DMRs for affected months with corrected flow values. Facility personnel have historically monitored and reported the flow rate from the groundwater-stripping unit rather than the flow to land application alone, again resulting in a worse-case flow estimate. However, only a fraction of treated water produced by the groundwater-stripping unit is land-applied. Facility personnel stated they would revise their reporting to indicate actual flow to land application *and* total flow produced by the groundwater-stripping unit (i.e., land-

application flow will be a subset of total flow). As referenced previously, AVX Corporation is required to monitor and report the flow from the air-stripper unit and is doing so.

RATING: Satisfactory

FACILITY SITE REVIEW

A site inspection was performed at this facility's Myrtle Beach plant. As referenced previously, treated water from the groundwater remediation system is pumped through a series of ponds and either land applied upon seven (7) acres of landscaping or discharged from the third pond to tributaries leading to Withers Swash. At the time of this inspection, the groundwater remediation air-stripping unit was operational. Flow meter at the time of this inspection was 1122445. Flow exiting the final stormwater pond was negligible and a function of wind/wave action on the water's surface.

RATING: Satisfactory

FLOW MEASUREMENT

See "Records and Reports"

RATING: Satisfactory

COMPLIANCE SCHEDULE

Facility is not currently under any compliance schedule associated with this permit.

RATING: Satisfactory

SELF-MONITORING PROGRAM

AVX's self-monitoring program meets the intent of the NPDES Permit. The sampling locations are adequate for representative samples. Sampling, holding, and analysis times appear adequate to assure valid results.

RATING: Satisfactory

OPERATION AND MAINTENANCE

An Operation & Maintenance Manual for pertinent devices associated with this permit is maintained. All equipment appeared to be operating properly at the time of this inspection.

RATING: Satisfactory

SLUDGE DISPOSAL

Sludge disposal is not applicable to this permit.

RATING: Satisfactory

LABORATORY

AVX uses a Shealy Environmental Services, Inc. (Laboratory ID #32010) for NPDES testing. This laboratory is currently certified to analyze all NPDES parameters required by this permit. A review of submitted analysis is consistent with those values reported on the reviewed DMRs. SC DHEC Lab Certification evaluated the onsite laboratory operated by AVX personnel in March 2007. Results from that inspection were acceptable.

RATING: Satisfactory