



**Environmental
Protection Agency**

John R. Kasich, Governor
Mary Taylor, Lt. Governor
Scott J. Nally, Director

February 7, 2012

Mr. James Spangler
Vice President Human Resources
National Electric Coil, Inc.
800 King Avenue
Columbus, OH 43212

**Re: NPDES/Industrial 4IS00012
National Electric Coil
Reconnaissance Inspection
Franklin County**

Dear Mr. Spangler:

On January 19, 2012, a Reconnaissance Inspection was conducted at the National Electric Coil (NEC) facility located at 800 King Avenue in Columbus, Ohio. Present for the inspection were yourself and Jeff Mullins representing National Electric Coil, Inc., and myself from the Ohio EPA, Central District Office, Division of Surface Water. The purpose of the inspection was to evaluate compliance with the Schedule of Compliance contained in your effective NPDES permit. The compliance schedule required NEC to redirect a water softener waste stream from outfall 004 to the city sanitary sewer on or before May 1, 2011.

At the time of the inspection, it was observed that both the ion exchange reject water and the boiler blowdown waste streams were redirected into the sanitary sewer system. A 4-inch diameter black steel pipe was installed from the collection sump in the boiler room to a sanitary connection adjacent to a first floor restroom. The pipe connection from the boiler sump to the storm sewer system was removed.

I appreciate your cooperation in redirecting these waste streams to the sanitary sewer system and helping to eliminate discharges to the Olentangy River. Enclosed is a copy of the NPDES Reconnaissance Inspection Report and attachments detailing the inspection that was conducted at the plant. If you have any questions or comments concerning this report, please contact me at (614) 728-3848.

Sincerely,

Michael E. Sapp
Environmental Specialist
Compliance and Enforcement Section
Division of Surface Water
Central District Office

Enclosures

MES/nsm National electric Coil 12

NPDES Compliance Inspection Report

SECTION A: NATIONAL DATA SYSTEM CODING				
Permit #	NPDES #	Inspection Type	Inspector	Facility Type
4IS00012	OH0004952	RI	S	Industrial
Inspection Date	Entry Time	Exit Time	Notice of Violation	Significant Non-Compliance
1/19/2012	10:30 AM	11:15 AM	No	No

SECTION B: FACILITY DATA	
Name and Location of Facility Inspected	Permit Effective Date
National Electric Coil 800 King Avenue Columbus, Ohio 43212	November 1, 2010
	Permit Expiration Date
	October 31, 2015
Name(s) and Title(s) of On-Site Representatives	Phone Numbers
Jim Spangler – Vice President Human Resources Jeff Mullins	(614) 488-1151
Name and Title of Responsible Official	Phone Number
Jim Spangler – Vice President Human Resources	(614) 488-1151

SECTION C: AREAS EVALUATED DURING INSPECTION	
Key: S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated	
S	NPDES Compliance
S	Operations & Maintenance
S	Facility Site Review
S	Collection System
S	Flow Measurement
S	Receiving Waters
S	Laboratory

Comments:

Signatures	
 2/11/12	 2/11/12
Michael Sapp, Inspector Compliance & Enforcement Division of Surface Water Central District Office	Erin Sherer, Reviewer Compliance & Enforcement Supervisor Division of Surface Water Central District Office

ADDITIONAL INFORMATION
National Electric Coil, Inc.
4IS00012*FD – OH0004952

General

National Electric Coil, Inc. manufactures coils, bars, and rotor rewinds for turbine generators and high voltage electric motors. Several process operations utilize non-contact cooling water which is discharged to the City of Columbus storm sewer system through NPDES outfall 001. The primary source of cooling water is generated from a chiller unit that cools oils used in a rotor balancing pit. The facility is equipped with four boilers for heating purposes. Boiler blowdowns are also directed to the City of Columbus storm sewer system through NPDES outfall 004. Both storm sewer outfalls discharge to the Olentangy River.

At the time of the inspection, the following general observations were made with operational practices at the facility:

1. The effective NPDES permit contains a schedule of compliance which required NEC to redirect reject or regeneration water from an ion exchange water softener to the sanitary sewer system. During the most recent pre-permit inspection it was discovered that reject or regeneration water from the water softener was being discharged through outfall 004. The permit required that construction to redirect this waste stream be initiated by February 1, 2011 and completed on or before May 1, 2011.

At the time of the inspection, it was observed that both the ion exchange reject water and the boiler blowdown waste streams were redirected into the sanitary sewer system. A 4-inch diameter black steel pipe was installed from the collection sump in the boiler room to a sanitary connection adjacent to a first floor restroom. The pipe connection from the boiler sump to the storm sewer system was removed. Until such time that the NPDES permit is reissued, and outfall 004 is removed from the permit, please continue to submit eDMR reports for this outfall indicating that no discharges have occurred at this outfall during the month.

2. CTL Labs performs contract laboratory analysis for all NPDES permitted parameters except pH.
3. An on-site well is used to supply the cooling water which is discharged at outfall 001. The average daily flow at this outfall, from January – December 2011, is reported as 8,867 gpd. The maximum daily flow for this time period was 18,480 gpd.
4. No NPDES permit violations have been reported since the previous inspection was conducted in March 2011.