

DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION
ACTIVITY REPORT: Self Initiated Inspection

A490624246

FACILITY: Ace Controls Inc		SRN / ID: A4906
LOCATION: 23435 Industrial Park, FARMINGTN HLS		DISTRICT: Southeast Michigan
CITY: FARMINGTN HLS		COUNTY: OAKLAND
CONTACT:		ACTIVITY DATE: 01/16/2014
STAFF: Iranna Konanahalli	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT: FY2014 inspection of Ace Controls, Inc.		
RESOLVED COMPLAINTS:		

Ace Controls, Inc. (A4906)
23435 Industrial Park Dr.
Farmington Hills, Michigan 48335-2855

Phone: 248-476-0213
www.acecontrols.com

N7945: is an incorrect SRN, which is in the databases, for Ace Controls

On January 16, 2014, I conducted a level-2 self-initiated inspection of Ace Controls, Inc. ("Ace" or "ACI"), located at 23435 Industrial Park Dr., Farmington Hills, Michigan 48335-2855. The inspection was conducted to determine compliance with the Federal Clean Air Act; Article II, Part 55, Air Pollution Control, of the Natural Resources and Environmental Protection Act, 1994 PA 451 and Michigan Department of Environmental Quality, Air Quality Division (MDEQ-AQD) administrative rules.

The FY 2014 inspection was conducted to follow up on the installation 80% transfer efficiency coating booth.

During the inspection, Mr. Vince Pultorak (Phone: 248-476-0213; Fax: 248-476-2470; E-mail: vpultorak@acecontrols.com), Manufacturing Engineering Supervisor, assisted me.

Machines

Ace Controls manufactures deceleration technology products such as industrial shock absorbers, safety absorbers, velocity and feed controllers. The products are made with 5% manufacturing and 95% assembling of parts supplied by outside vendors. 13 CNC machines for milling and turning are present. Parts are sent to the vendors for plating (Ni), heat-treating or black oxide coating. The deceleration units, which are nitrogen charged gas springs, are used in amusement parks, doors, tool boxes, etc. Ace does not supply its products to low profit margin automotive industry.

Three (3) CNC machines of thirteen (13) are equipped with Air Quality Engineering cartridge filters to improve indoor air quality. About 80 gallons per year reagent alcohol is used in these machines. Filtered exhaust air is released to in-plant environment.

The machines are exempt from Rule 336.1201 (Permit-to-Install) pursuant to Rule 336.1285.

Turbo Spray Booth (80% TE)

As proposed in March 16, 2010, letter one Turbo Spray (Midwest, Inc., Howell, Michigan) coating booth is installed. The booth, which is not a traditional booth but a coating machine, is equipped with four guns and downdraft filters for overspray paint particles control. The coating operation achieves 80% transfer efficiency. Such high transfer efficiency is achievable because of only one fixed dimensions (cylinders: L = 600 mm and D = 28 mm) of the parts that are coated. PPG WPM-901 / LG black water-based paint containing less than 5% VOC is used. About 35 gallons of paints per year (CY 2012) are used.

The spray pattern and the guns are designed for the fixed dimension cylindrical parts such that overspray is controlled to the maximum extent possible considering the requirement to paint all cylindrical surfaces with consistent quality.

Upon filtration via paper filters, the exhaust is discharged to outside ambient air via a stack. The filters are replaced once per month.

The booth is exempt from Rule 336.1201 (Permit-to-Install) pursuant to Rule 336.1287(c).

No organic (VOC / HAP) solvent cleaning is done. Only aqueous cleaners are used. Eight 100-gallon tanks (RAMCO or Magnus) that use water based cleaner (hot water) are present. Since 95% of production work is assembly, there is relatively large assembly area. One testing laboratory is present. The parts assembled are tested for the required performance.

Conclusion

N7945 is incorrect SRN for this facility. Rule 287(c), 80% TE coating booth.

NAME J. S. Llanaball DATE 02/06/2014 SUPERVISOR CJE