

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

U8214563725769

FACILITY: Abtrex Industries Inc.		SRN / ID: U82145637
LOCATION: 28530 Reynolds		DISTRICT: Detroit
CITY: Inkster		COUNTY: WAYNE
CONTACT: Robert Taylor, Sales Engineer		ACTIVITY DATE: 05/30/2014
STAFF: Usama Amer	COMPLIANCE STATUS: Compliance	SOURCE CLASS:
SUBJECT: Inspection of a Minor Source		
RESOLVED COMPLAINTS:		

On May 30, 2014, I conducted a Self-Initiated Inspection at Abtrex Industries, Inc. (Abtrex), which is located at 28530 Reynolds Rd., Inkster, Wayne County. The purpose of the inspection was to determine whether the source was present and operating at the said location. The inspection was also to determine the PCA's compliance status with the State and Federal Air Quality Rules & Regulations and the conditions of Wayne County Permit No. C-3229. This permit was issued, on 2/6/1974, to Abtrex (SRN # U82145637) for the installation and operation of a Dust Collector. Mr. Rob Taylor, Sales Engineer, represented Abtrex during the inspection.

The above dust collector was removed from Abtrex about 10 years ago, but was replaced by 3 new dust collectors.

INSPECTION & COMPLIANCE STATUS

Abtrex is a manufacturer of rubber/plastic tank liners for the plating industry. As parts of the tank liners manufacturing process, the following adhesives and solvent are used. The adhesives and solvent contain VOC & HAPs. (Attachment A)

1) Primer coatings (Chemlok 289) – Usage: 15 gal/mo

VOC Emission Calculation: $(15 \text{ gal/mo})(7.7 \text{ lb/gal})(75.84\% \text{ VOC}) = 88 \text{ lb/gal}$
MSDS: Attachment B.1

2) Intermediate coat (Chemlok 290) – Usage: 15 gal/mo

VOC Emission Calculation: $(15 \text{ gal/mo})(7.33 \text{ lb/gal})(92.50\% \text{ VOC}) = 102 \text{ lb/gal}$
MSDS: Attachment B.2

3) Topcoat (Chemlok 286)– Usage: 20 - 25 gal/mo

VOC Emission Calculation: $(25 \text{ gal/mo})(7.44 \text{ lb/gal})(85.00\% \text{ VOC}) = 158 \text{ lb/gal}$
MSDS: Attachment B.3

4) Toluene as a solvent and thinner for the adhesive. - Usage: 10 - 15 gal/mo

VOC Emission Calculation: $(15 \text{ gal/mo})(0.87 * 8.34 \text{ lb/gal})(100\% \text{ VOC}) = 109 \text{ lb/gal}$
MSDS: Attachment B.4

Total Monthly VOC Emissions = 457 lbs < 1,000 lb/mo

Estimated Annual VOC Potential-To-Emit (PTE) = $457 * 12 = 5,484 \text{ lbs} = 2.74 \text{ tpy}$.

CONCLUSION

PCA appears to operate in compliance with the State and Federal Air Quality Rules & Regulations. However, Permit No. C-3229 should be voided, as Abtrex's equipment and operations are exempt from the requirements of R 201 pursuant to R290(a)(i).

NAME Sam Amer

DATE 7/2/14

SUPERVISOR W.M