

DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION
ACTIVITY REPORT: Scheduled Inspection

N575942771

FACILITY: SERVICE TECTONICS INC		SRN / ID: N5759
LOCATION: 2827 TREAT ST, ADRIAN		DISTRICT: Jackson
CITY: ADRIAN		COUNTY: LENAWEE
CONTACT: Jon Dalton, VP		ACTIVITY DATE: 12/21/2017
STAFF: Mike Kovalchick	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT: Inspection of a pad printing machine manufacturer.		
RESOLVED COMPLAINTS:		

Minor Source-**Facility Contacts**

Jon Dalton-Vice President

ph 517-263-0758

sti@padprinting.netwww.padprinting.net**Purpose**

On December 21, 2017, I conducted an unannounced compliance inspection of Service Tectonics, Inc located at 2827 Treat Street in Adrian. The purpose of the inspection was to determine the facility's compliance status with the applicable federal and state air pollution regulations, particularly Michigan Act 451, Part 55, Air Pollution Control Act and administrative rules.

Facility Location

The facility is located in a commercial/industrial area of Adrian. See attached aerial photo of facility.

Facility Background

This facility was last inspected on 04/13/2011 and was found to be in compliance.

Regulatory Applicability

Rule 287 (2) (c) permit exemption applies to one paint booth and an ink application process.

Arrival & Facility Contact

Visible emissions or odors were not observed upon my approach to the Company's facility. I arrived at 9:15 am, proceeded to the facility office to request access for an inspection, provided my identification and spoke with Jon Dalton(JD)-Vice President. I informed him of my intent to conduct a facility inspection and to review the various records as necessary.

JD extended his full cooperation and fully addressed my questions.

Pre-Inspection Meeting

JD outlined that there are 15 employees who work 5 days a week. Service Tectonics manufactures pad print machines. They also are a distributor for ink and solvents used in the print pad process. Another company in the same building called Images uses pad print machines to coat very small parts using no more than a few grams a solvent based ink that they add some thinner to it. (In 2017, they only had used 85 kilograms of ink. The ink to solvent ratio is about 5 to 1.). Service Tectonics has one small paint booth that rarely ever use anymore since the manufacture of the pad print machines no longer requires it. (They manufacture 10 to 15 machines a year.)

Onsite Inspection

JD gave me a brief tour of the facility. He showed me the paint booth. It was not operated and was being used to store equipment. See attached photo. Paint filters were still in place. The booth exhausted horizontally out the side of the building. A check outside the building showed no paint stains.

JD showed the factory floor with no regulated processes noted. We worked through a laboratory where the smell of acetone was noted. It appeared that only very small quantities of materials were being used and the room did not appear to have a ventilation system.

Next, JD showed me the area of the building occupied by Images. I noted 2 small oven were small parts that have been printed with ink are dried. The ovens operate at 150 to 200 Degrees C. See attached photo. The ovens exhaust horizontally through the side of the building.

JD showed by a dark room that now is used for a type of printing operation. The ventilation system from that room is no longer used.

We walked by the area where they store the inks. See attached photo. They basically use only one brand name of ink but with many color variations.

Records Review

Attachment (1) includes the MSDS's for the inks/solvents. They appear to be high VOC content. JD reviewed purchase records to determine the amount of ink used for 2017 which was only 85 kilograms which converts to less than 50 gallons per year.

Post-Inspection Meeting

I held a brief post-inspection meeting with JD. I indicated to him that I observed no compliance issues.

I thanked JD for his time and cooperation, and I departed the facility at approximately 9:45 am.

Compliance Summary

The Company is in compliance.



Image 1(Aerial Photo) : Aerial photo

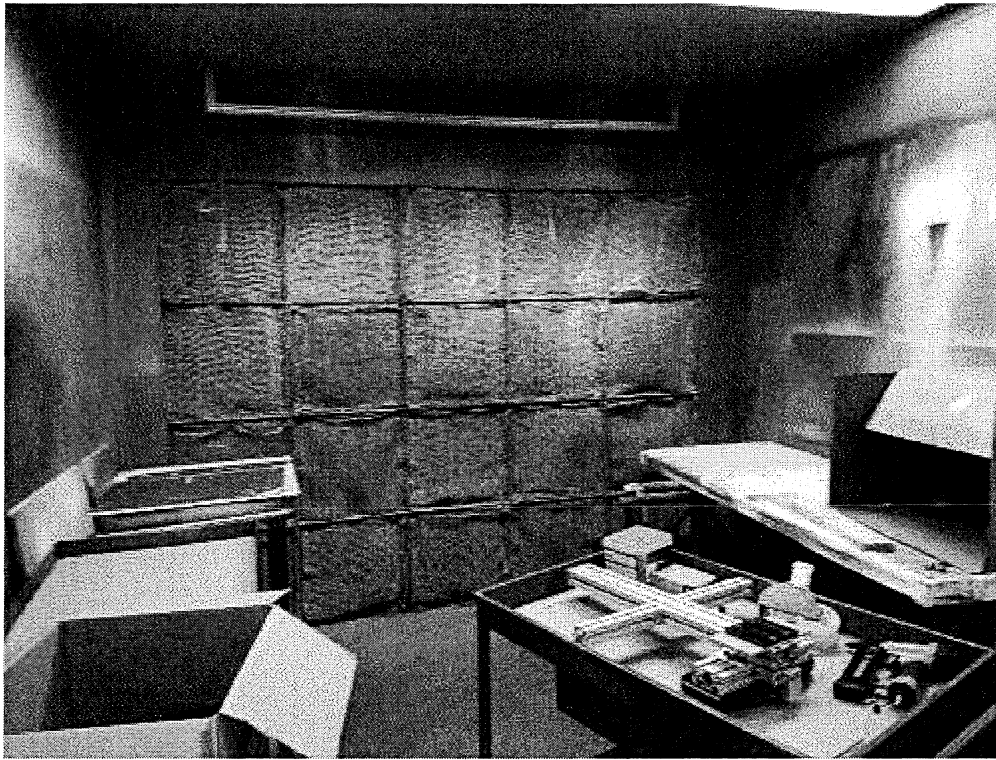


Image 2(Paint booth) : Paint booth

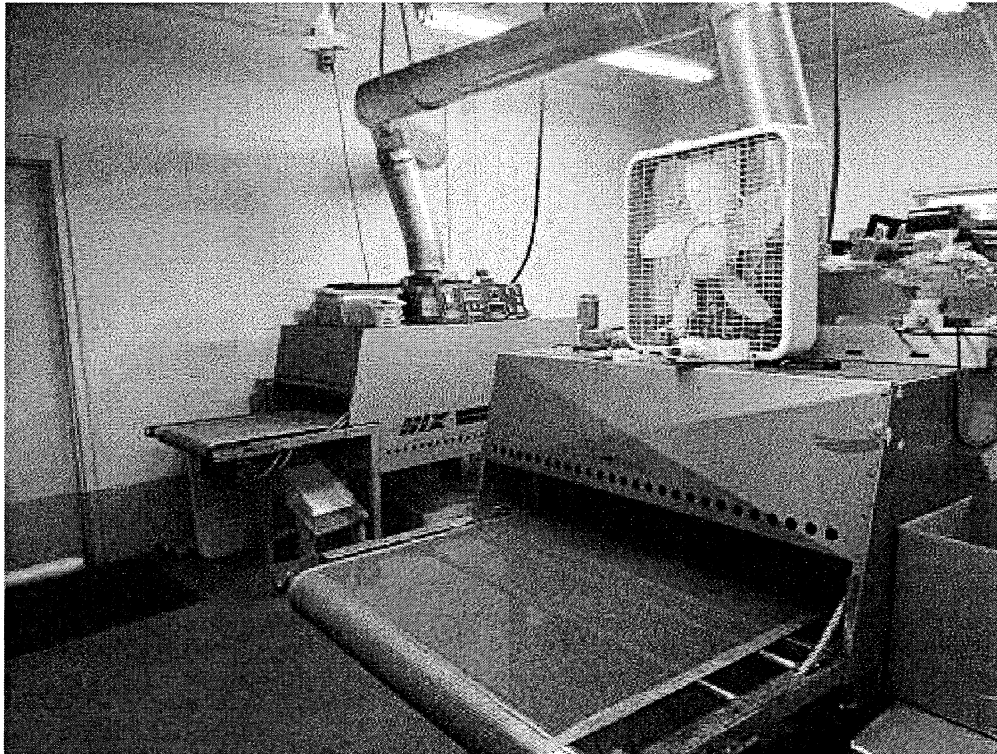


Image 3(2 drying ovens) : 2 drying ovens.



Image 4(Old dark room) : Old dark room



Image 5(Ink storage) : Ink storage.

NAME M. Kovalchuk

DATE 12/26/2017

SUPERVISOR 