

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

N702945306

FACILITY: SHERIDAN BOOKS		SRN / ID: N7029
LOCATION: 613 E INDUSTRIAL DR, CHELSEA		DISTRICT: Jackson
CITY: CHELSEA		COUNTY: WASHTENAW
CONTACT: Tim Welshans , Maintenance Manager		ACTIVITY DATE: 07/25/2018
STAFF: Brian Carley	COMPLIANCE STATUS: Compliance	SOURCE CLASS: SM OPT OUT
SUBJECT: Unannounced scheduled inspection		
RESOLVED COMPLAINTS:		

Facility Contact: Tim Welshans, Maintenance Manager
Phone: 734-385-1507
Email: tim.welshans@sheridan.com

Purpose

This was an unannounced targeted inspection of Sheridan Books to determine compliance with their current Permit to Install (PTI). This facility has one active PTI numbered 297-01E for the operation of offset lithographic printing presses. This facility is classified as a synthetic minor. After I arrived at Sheridan Books I met with Tim Welshans, Maintenance Manager and Ron Vollink, Plant Manager.

Background

In June 1999, Sheridan Books, Inc. was formed through the merger of Braun Brumfield and BookCrafters. The facility is in the City of Chelsea Industrial Park. They specialize in short- to medium-run books but will also print many other types of soft and hard bound books. They currently operating five heat-set web-fed offset lithographic printing presses and three sheet-fed offset lithographic printing presses under PTI #297-01E. They are using soy-based ink in both the heat-set and the non-heat-set printing presses. The heat-set printing presses use natural gas for their dryers. They also have a large HP inkjet printer that they are using to print books, which is exempt per Rule 285(2)(I)(vii).

Compliance Evaluation

FG_OffsetLitho_SF (NHS presses) covers the sheet feed non heat-set printing presses that are at the facility. This flexible group includes the Heidelberg No. 3 and No. 5 presses and the Kimori No. 2 press. The Heidelberg No. 2 and the Planeta No. 3 presses are no longer at the facility. FG_OffsetLitho_H (HS presses) covers their web-fed heat-set printing presses. This flexible group covers the Timson Nos. 1, 2, 3, 4, and 5 presses. Except for the VOC emission limits and the stacks, these two tables have identical conditions. For the previous 12 months (July 2017 through June 2018), the NHS presses emitted 0.17 tons of VOCs and the HS presses emitted 13.98 tons of VOCs. These emissions are well below their respective limits of 17.3 tons per year and 30.1 tons per year (Special Condition (S.C.) I.2). They provided me the MSDS for the fountain solutions that they are using, and they show that they have VOC content as applied less than 1.5% by weight as applied (S.C. I.1). This is well under their limit of 5% by weight as applied. Tim reaffirmed that they have not used isopropyl alcohol in many years (S.C. II.2). They showed me where they are handling their waste materials and all but one of the containers were covered at the time of the inspection (S.C. III.1, 2, & 3). They quickly closed the one container and told me that they will work with their employees to make sure the covers are closed when they are not being loaded or unloaded. They showed me the spreadsheets that they keep showing that they are still implementing the pollution prevention measures that are listed in S.C. III.4 of their permit. I saw no need to require testing of any of the ink, fountain solution, roller wash, and blanket wash material to verify the VOC content (S.C. V.1). They are maintaining the records that are required by Section IV of both those tables. All the printing presses were label as required by S.C. IX.1. I determined that they are complying with both tables.

FG_FACILITY is a flexible group that covers their HAP emissions from any ink, fountain solution, roller wash, and blanket wash that is used in the facility. They are limited to <9.0 tons per year for each individual HAP and <22.5 tons per year for the aggregate HAPs. They showed me the records that they are keeping of the gallons of each material used, if any of it is reclaimed, HAP content of material used, and individual and aggregate HAP emission calculations of monthly and 12 month rolling totals. Based on these records they have emitted 0.733 tons of HAPs total from July 2017 through June 2018. This total is significantly lower than either limit. They have a MSDS for each material used. I have determined that they are complying with this table.

Compliance Determination

Based on my inspection and my audit of their MAERS submittal, I determined that they are complying with their permit.

NAME Brian Carby

DATE 8/6/18

SUPERVISOR 