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

N702925259

FACILITY: SHERIDAN BOOKS		**SRN / ID:** N7029
LOCATION: 613 E INDUSTRIAL DR, CHELSEA		**DISTRICT:** Jackson
CITY: CHELSEA		**COUNTY:** WASHTENAW
CONTACT:		**ACTIVITY DATE:** 04/16/2014
STAFF: Brian Carley	**COMPLIANCE STATUS:** Compliance	**SOURCE CLASS:** SM OPT OUT
SUBJECT: Scheduled inspection		
RESOLVED COMPLAINTS:		

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

I arrived at Sheridan Books and met with Tim Welshans, maintenance manager. After we went to his office, I handed him the Environmental Inspections pamphlet and went over what they should expect during this inspection. They currently operating five heat-set web-fed offset lithographic printing presses and four sheet-fed offset lithographic printing presses under PTI #297-01E. They are using soy based ink in all their presses, both the heat-set and the non heat-set printing presses. The heat-set printing presses use natural gas for their dryers.

FG_OffsetLitho_SF covers the sheet feed non heat-set printing presses that are at the facility. FG_OffsetLitho_H covers their web-fed heat-set printing presses. Except for the VOC emission limits and the stacks covered under FG_OffsetLitho_H, the two tables have identical conditions. Based on information that I received during the inspection and from their MAERS submittal, I was able to determine that they were in compliance of the VOC emission limit for both processes (S.C.I.2). They are using fountain solutions which 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 the containers were covered at the time of the inspection (S.C. III.1, 2, & 3). 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 (see attached examples for January 2014 and February 2014). Based on my estimated height of the building and size of the duct work leading to the stack exhausts for the heat-set presses, I determined that they were in compliance with the stack requirements of Section VIII of that table. All of the printing presses were label as required by S.C. IX.1. I determined that they are in compliance with both of these tables.

FG_FACILITY is a table 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 for each individual HAP and <22.5 tons for the aggregate HAPs. They are keeping records 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 (see attached). They have a MSDS for each material used. They have emitted 0.005 tons of HAPs total from March, 2013 through February, 2014. This total is significantly lower than either limit. I have determined that they are in compliance with this table.

During the tour of the facility, I was then shown a new printing operation they have. They have a large HP inkjet printer that they are using to print books. After returning to their offices I looked at the permit to install exemptions booklet and I determined that this machine was exempt per Rule 285 (l)(vii).

Based on my inspection and the MAERS submittal, I am able to determine that they are in compliance with their permit.

NAME Brian Carley DATE 6/5/14 SUPERVISOR