

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

P040929969

FACILITY: TOGGLED		SRN / ID: P0409
LOCATION: 164 INDUSCO CT, TROY		DISTRICT: Southeast Michigan
CITY: TROY		COUNTY: OAKLAND
CONTACT: Dan Hollenkamp, Lead Manufacturing Engineer		ACTIVITY DATE: 06/16/2015
STAFF: Sebastian Kallumkal	COMPLIANCE STATUS: Non Compliance	SOURCE CLASS: Minor
SUBJECT: Onsite inspection		
RESOLVED COMPLAINTS:		

On Tuesday, June 16, 2015, I conducted a self-initiated inspection at Toggled located at 164 Indusco Court, Troy, Michigan. The purpose of the inspection was to verify facility's compliance with requirements of Article II, Air Pollution Control, Part 55 of Act 451 of 1994. Altair Company owns Toggled.

I arrived at the facility at about 10:20 AM. I met Mr. Dan Hollenkamp, Lead Manufacturing Engineer (Cell-906 370 6052; O: 248 614 2400 x 337). I introduced and identified myself and stated the purpose of my inspection. I provided him a copy of DEQ Environmental Inspections: Rights and Responsibilities Brochure. Mr. Tim Abbott, Vice President, Manufacturing no longer works for this company.

During the pre-inspection meeting, Mr. Hollenkamp explained the facility's operations and products. Facility produces LED fluorescent tube lights (linear tubes, 2', 3' and 4') for industrial and commercial buildings. The Chinese branch produces residential tube lights. The process for the LED boards and power supply boards include selective soldering of SMD components to printed circuit boards, application of dielectric conformal coating the boards, curing in the oven, cutting apart into different boards, (singulate); application of shrink tubes, addition of aluminum frame, fitting ends, etc. The LED boards and power supply boards are manufactured in different machines. The LED boards are fitted into the aluminum boards using an adhesive. This is done in a robotic cage. The LED lights are also manufactured manually on a small scale.

The facility started operations in 2014, employs about 20 people, operates 5 days per week and 1 shift. The machines are capable of making about 150 parts per hour.

MDEQ-AQD received permit to install application from the facility on December 6, 2012. Upon evaluation AQD decided that the facility's operations could be exempt from permit to install requirements pursuant to Rule 287(c) for conformal coating and R285(i) for soldering. The facility's coating usage appears to be less than 200 gallons per month.

Conclusion: Based on the information gathered during the inspection and the records review, the facility appears to be in compliance with applicable air quality rules.

NAME Sebastian Kallumkal DATE 6/30/15 SUPERVISOR CJE