

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

N714625626

FACILITY: AVL POWERTRAIN ENGINEERING INC		SRN / ID: N7146
LOCATION: 47519 HALYARD DRIVE, PLYMOUTH		DISTRICT: Detroit
CITY: PLYMOUTH		COUNTY: WAYNE
CONTACT: Steve Plewa, EH&S/QUALITY COORDINATOR		ACTIVITY DATE: 06/19/2014
STAFF: Gerald Krawiec	COMPLIANCE STATUS: Compliance	SOURCE CLASS: SM OPT OUT
SUBJECT: Targeted inspection for FY 2014		
RESOLVED COMPLAINTS:		

AQD staff conducted a scheduled inspection of AVL Powertrain Engineering, Inc. located in the City of Plymouth. The purpose of the inspection was to determine the facility's compliance with AQD Permit to Install No. 60-01E, and state and federal air pollution regulations. Steve Plewa, Environmental Manager accompanied staff on the inspection.

During the pre-inspection meeting we discussed the record keeping requirements of the permit. In addition there was discussion on the MAERS problem that was identified by Tom Shanley's group in May 2014 (email attached). That issue was addressed by AVL in a timely manner as their consultant identified a couple of typo's and incorrect exponents used in the calculations of CO and PM2.5 (emails attached). Those issues were all corrected and AVL was not required to go back and make changes to the most recent MAERS submittal.

FACILITY and PROCESS DESCRIPTION:

On April 5, 2010 AVL Powertrain Engineering (AVL) was issued Permit to Install 60-01E which allowed for expansion from 7 to 9 engine dynamometer test cells (includes 2 located at the training building). The test cells are used to conduct research and development, performance tests, and emission certification tests on engines and engine components. This permit also allows for the use of gasoline, diesel fuel, natural gas, liquefied petroleum (LPG), propane, methane and ethanol in any cells.

COMPLIANCE EVALUATION:

Staff conducted a walk through inspection in order to review all the dyno's and there location in the plant so that they can be related to the stack or stacks associated with each, some dyno's have 2 stacks. A cold cleaner located in the plant was not in use and covered with the proper signage on the wall. The 2 dyno's located in the training building about 1/4 east of the main plant share the same stack.

The company has put together computer data base that automatically does all the required calculations when the fuel data is input. A review of this data demonstrates compliance with the special conditions. AVL was embarrassed and apologetic for the MAERS error that occurred in May and had updated the 2013 records (hard copy is attached). A review of the corrected data demonstrates compliance with the permit. 2014 data to date is also attached.

EVALUATION SUMMARY:

AVL is in compliance with the requirements that have been evaluated.

NAME *G. Krawiec*

DATE *10/17/14*

SUPERVISOR *W. M.*