

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

P016830422

FACILITY: Humanetics		SRN / ID: P0168
LOCATION: 47460 Galleon Dr, PLYMOUTH		DISTRICT: Detroit
CITY: PLYMOUTH		COUNTY: WAYNE
CONTACT: Josh Yingling , Test Lab Manager		ACTIVITY DATE: 07/31/2015
STAFF: Katherine Koster	COMPLIANCE STATUS: Compliance	SOURCE CLASS: Minor
SUBJECT: FY2015 Scheduled Inspection		
RESOLVED COMPLAINTS:		

REASON FOR INSPECTION: Targeted Inspection

INSPECTED BY: Katie Koster, AQD

PERSONNEL PRESENT: Josh Yingling, jyingling@humaneticsatd.com, 734-446-3153

FACILITY BACKGROUND

Humanetics was previously operating as First Technology Safety Systems which is the world's largest manufacturer of crash test dummies. However, Humanetics purchased First Technology in 2010 and moved the dummy manufacturing to Ohio. Operations at the Plymouth location are generally Monday through Friday from about 6 a.m. to 5 p.m. The facility employs about 285 people.

INSPECTION NARRATIVE

On 7/31/2015, I arrived at Humanetics (formerly First Technology Safety Systems), at approximately 10:00 a.m. and met with Mr. Josh Yingling, QMS and Test Lab Manager. He provided some background information. First, he informed me that operations were much different than my prior inspection in 2005. Dummies are no longer manufactured or fully tested at this facility. He walked me about the facility. This location is now used for instrumentation work, like gaging and wiring. Areas of the facility include parts storage, shipping, gage and wire assembly and dummy recalibration. Some dummies are on site for "recalibration activities" or "staging" for pending testing off site. I noticed some light assembly occurring in several labs. and 18 stations devoted to "gage work onto loading cells" that involved soldering. There is also an enclosed sand blasting machine.

We walked to another building two doors down that contains the machine shop which was opened about 3 years ago. There was some welding occurring and about 5 CNC lathes on site.

REGULATORY ANALYSIS

Sand blasting appears to be exempt per R285(vi)(B).

Welding and soldering is exempt per R285(l).

Machining is exempt per R285(vi)(B).

FINAL COMPLIANCE DETERMINATION

At this time, operations at the facility appear to be exempt from AQD rules.

NAME 

DATE 9/29/15

SUPERVISOR 