

FY 2015 Insp-

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

U6310033830195

FACILITY: Neptech, Inc.	SRN / ID: U63100338
LOCATION: 2000 E. Highland Road, Highland	DISTRICT: Southeast Michigan
CITY: Highland	COUNTY: OAKLAND
CONTACT:	ACTIVITY DATE: 06/26/2015
STAFF: Iranna Konanahalli	COMPLIANCE STATUS: Compliance
SOURCE CLASS:	
SUBJECT: FY 2015 Inspection of Neptech, Inc. (a building formerly occupied by Numatics, an Emerson Industrial Automation Company, which contaminated the site with PCB)	
RESOLVED COMPLAINTS:	

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Neptech, Inc. (U-63-10-0338)
2000 E. Highland Road
Highland, Michigan 48356-3058

Rule 336.1285

On June 26, 2015, I conducted level-2 self-initiated inspection of Neptech, Inc. (a building formerly occupied by Numatics, an Emerson Industrial Automation Company, which contaminated the site with PCB), located at 2000 E. Highland Road, Highland, Michigan 48356-3058. The inspection was conducted to determine compliance with the Federal Clean Air Act; Article II, Part 55, Air Pollution Control, of the Natural Resources and Environmental Protection Act, 1994, PA 451; and Michigan Department of Environmental Quality, Air Quality Division (MDEQ-AQD) administrative rules.

During the inspection, Mr. Rick Zalewski (Phone: 810-225-2222-ext. 6615; Cell: 248-894-0659; Fax: 810-225-1155; E-mail: rick@neptechinc.com), Vice President, and Ms. Maria Drake, assisted me

According to Oakland County property records, Highland Road LLC owns the building. According to Ms. Maria Drake and Rick Zalewski of Neptech, Mr. John Welker owns Highland Road LLC.

Neptech makes industrial heated products. Neptech performs only assembly of parts supplied by outside vendors. It makes electrically heated sampling tubes. Heated tubes are used in sampling automotive exhaust. It also makes long heated tubes for stationary source sampling and CEMS instruments. Different sources require different temperatures based upon condensation temperatures. Heated tubes are required pursuant to US EPA Mobile Source sampling protocols. Automobiles are generally run on dynamometers (engine or chassis).

Heated tube prevents condensation in sampling tubes before the sample is delivered to the instruments.

Heated blankets using Nano-carbon technology are assembled. Nano-tech materials are imported from S. Korea. Insulated heated blanket using Kevlar, Cordosa, Silicone, Aluminized clothes are made. Heated probes, heated filters and multiplexes are made as well. All equipment, accessories, materials and parts are for sampling according to US EPA protocols (mobile and stationary sources of air pollution).

Neptech also provides its customers supplies such as tools, parts, solvents, etc. necessary for

gaseous sampling.

CNC lathe and Bridgeport drill press

CNC lathe and Bridgeport drill press emissions are discharged to in-plant environment.

The machines are exempt from Rule 336.1201 (Permit-to-Install) pursuant to Rule 336.1285.

Welding

One small welding machine is present. The exhaust is released to in-plant environment.

The machine is exempt from Rule 336.1201 (Permit-to-Install) pursuant to Rule 336.1285(i).

Based upon a disgruntled employee complaint, MIOSHA conducted sampling for particulate matter (PM) and Volatile Organic Compounds (VOC) and violation was not issued per Mr. Zalewski.

This site ^{is} contaminated with PCBs. According to Mr. Scott Weikel (Phone: 248-596-3380; Fax: 248-596-3980; E-mail: scott.weikel@emerson.com), Director of Operations, Numatics, Emerson Industrial Automation, in 1970s PCB spill occurred due to an automobile accident with a transformer. About 2010, he claimed that all PCB was cleaned up.

Mr. Tiernan of MDEQ-RD forwarded this project to Ms. Emily Bertolini (BertoliniE@michigan.gov). Mr. Steve Clerke (Phone: 314-553-1953), Environmental Affairs and Real-Estate, Emerson, represents Emerson which owns Numatics. Mr. David A. CarstensDirect (Direct: 781-933-7340 x 300; Main: 781-933-7340; Mobile: 303-210-1448; E-mail: dave.carstens@wspgroup.com), PG, Technical Manager, Environmental, of WSP Consulting Engineers, 300 Trade Center, Suite 4690, Woburn, MA 01801, is a cleanup consultant. The site is cleaned up for:

1. Polychlorinated biphenyls (PCBs)2 and 1,2,4-trichlorobenzene (TCB) in soils south and east of the building
2. 1,2,4-TCB and potentially PCBs in groundwater in the sand and gravel unit underlying the shallow clay layer
3. Tetrachloroethene (PCE) in shallow soils beneath the footprint of the building
4. Nickel in perched, discontinuous groundwater within the shallow clay layer

According to Mr. Zalewski of Neptech, a remediation system, which is still present on site, is turned off and ground water sampling is conducted about once a quarter. I did not enter the white cleanup trailer that houses groundwater and soil cleanup process equipment.

Conclusion:

Rule 285 exempt equipment.

NAME *J. K. Newhall* DATE *07/14/2015* SUPERVISOR *CJE*