

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

C360145348

FACILITY: SAGINAW VALLEY STATE UNIVERSITY		SRN / ID: C3601
LOCATION: 7400 Bay Road, SAGINAW		DISTRICT: Saginaw Bay
CITY: SAGINAW		COUNTY: SAGINAW
CONTACT: Robert Tutsock , Director of Environmental Health and Safety		ACTIVITY DATE: 07/17/2018
STAFF: Matthew Karl	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT: Self Initiated Inspection		
RESOLVED COMPLAINTS:		

On July 17, 2018, Gina McCann and I (Matt Karl) conducted an unannounced compliance inspection at Saginaw Valley State University (SVSU) located at 7400 Bay Road, University Center, Michigan. The purpose of the inspection was to determine compliance with the Federal Clean Air Act; Article II, Part 55, Air Pollution Control of Natural Resources and Environmental Protection Act, 1994 Public Act 451; Michigan Department of Environmental Quality, Air Quality Division (MDEQ-AQD) Administrative Rules; Permit-to-Install (PTI) No. 26-07. Mr. Robert Tutsock, Director of Environmental Health and Safety assisted during the inspection.

PTI No. 26-07 is for a King Built KBB-240 oil burner furnace with a 238,000 Btu/hr. heat input and a fuel usage rate of 1.7 gallons/hr. The planned use of the unit was to burn different types of biodiesel fuels and used recycled used oil (RUO) sourced from both on and off-campus sources. PTI No. 26-07 indicated that unit was located at 7525 North Michigan Avenue, Kochville, Michigan. During our initial interview with Robert Tutsock, he wasn't sure that the oil burner furnace had ever been installed. We then drove to 7525 North Michigan Avenue to look for the permitted equipment. We inspected the two barns located at this address. The barn closer to North Michigan Avenue (Museum Barn) was used for miscellaneous storage. The barn further from North Michigan Avenue (Maintenance Barn) was used to store maintenance vehicles and grounds keeping/lawn equipment. There were also two Greenhouses at this address, but we did not inspect them.

We discussed voiding PTI No. 26-07 with Robert Tutsock. We also discussed other boilers used on campus. Robert Tutsock informed us that SVSU did not have a centralized powerhouse, but that individual buildings had their own boilers and that he had previously discussed whether the boilers on campus needed air quality permits with a previous AQD staff member. He also mentioned that they had previously reported to MAERs but had requested to be removed because they were not subject to fees or reporting requirements.

On July 18, 2018 I (Matt Karl) submitted a records request to Robert Tutsock via email. Upon further review of the Saginaw Bay District Office's hardcopy files, I found the site plan for the oil burner furnace, which had been permitted to be sited in the northernmost greenhouse at 7525 North Michigan Avenue. I requested Robert Tutsock confirm whether the equipment was still stored there, and to also update the 1995 MAERS Report record of boilers on campus, their rated heat capacity (MMBtu/hr.), fuel type and installation date.

On July 23, 2018 I (Matt Karl) received an email from Robert Tutsock with the records request submission. This included photos of the green house facility showing that the PTI No. 26-07 oil burner furnace had not been installed (see Fig 1.). Also, he forwarded the following correspondence:

"To my knowledge, the waste oil burner was never installed. We have decommissioned all other heaters on the site. See attached photos. Thanks,

Joel J. Kiss, CEFP

Assistant Director of Campus Facilities, Maintenance Operations, Saginaw Valley State University"

Based on this information, I believe that the PTI No. 26-07 can be voided.

Additionally, Robert Tutsock provided the requested boiler inventory information in a pdf document "Boiler Inventory 2015.pdf". Upon review of this document, it was determined that the boilers distributed throughout the SVSU campus are exempt from Michigan Air Pollution Control R 336.1201(1) to obtain a permit to install (see Table 1, attached). The majority of the boilers meet the exemption of R 336.1282(2)(b)(i) "Fuel-burning equipment which is used for space heating, service water heating, electric power generation, oil and gas production or processing, or indirect heating and which burns only the following fuels: sweet natural gas, synthetic natural gas, liquefied petroleum gas, or a combination thereof and the equipment has a rated heat capacity of not more than 50,000,000 Btu per hour."

Two small units used for generating steam for sterilization in the Health & Human Services Building Vivarium and Science West Room SW109 meet the exemption of R 336.1281(2)(i) "Sterilization equipment processing mercury-free materials at medical and pharmaceutical facilities using steam, hydrogen peroxide, peracetic acid, or a combination thereof."



Image 1(Fig. 1.) : Fig. 1. Photo of the green house facility documenting that the oil burner furnace was not installed as planned in PTI No. 26-07,

NAME Matthew R. Kool

DATE 7/30/18

SUPERVISOR C. Hove