DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION
ACTIVITY REPORT: On-site Inspection

F915859771

FACILITY: FENDT BUILDER'S SUPPLY INC		**SRN / ID:** F9158
LOCATION: 22005 GILL RD, FARMINGTON		**DISTRICT:** Warren
CITY: FARMINGTON		**COUNTY:** OAKLAND
CONTACT: Alan Fendt , President		**ACTIVITY DATE:** 05/21/2021
STAFF: Robert Elmouchi	**COMPLIANCE STATUS:** Compliance	**SOURCE CLASS:** MINOR
SUBJECT: Targeted inspection.		
RESOLVED COMPLAINTS:		

On May 21, 2021, I conducted a scheduled inspection of Fendt Builder's Supply (Fendt), SRN: F9158, located at 22005 Gill Road, Farmington Hills, Michigan. The purpose of this inspection was to determine the facility's compliance with the requirements of the Federal Clean Air Act; Article II, Part 55, Air Pollution Control, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (Act 451); the administrative rules; and Permit to Install (PTI) No. 244-98B.

Fendt Builders Supply manufacturers block, paver, and wall stone products for home or business, and concrete masonry units. They receive sand, gravel, and three types of cement which are stored in silos. Fendt uses a batch process in which they mix, compress, and cure products at 140 degrees F. They also package, store, and deliver products. Some items, such as play sand, are received and sold in bags. Fendt stores five different types of sand. The different types are mason sand, play sand, mortar sand, silica sand, and polymeric sand.

PTI No. 244-98B was approved on April 5, 2021. This permit modification authorizes the horizontal exhaust from the SVSILO3 and SVSILO6 exhaust stacks, which are controlled by a single baghouse.

I arrived on-site and met with Alan Fendt, President; Steve Fendt, IT Manager; and Ron Haller, Facilities Manager. Mr. Jeremy Kreft, Plant Manager, was present during part of this inspection.

Cement shipments are received and conveyed pneumatically into the storage silos. Three types of cement are used by Fendt; fly ash/slag type 3, type 1 white cement, and standard type 3 gray cement. The unloading pneumatic pressure is limited to a maximum of 14 PSI per Fendt's work procedure. The delivery driver controls the air pressure, but it is routinely monitored by a Fendt employee because they want to prevent adverse impacts on neighbors. If a leak in the pneumatic system is discovered during a receipt of cement, water is used to seal the cement at the point of the leak, which immediately stops any temporary leak. Fendt's procedure appears to be effective because the AQD has not received a fallout complaint.

During this inspection, I observed a shipment of cement being loaded into the cement storage silo. I observed the exhaust vent multiple times during the delivery and did not detect visible emissions, which appears to indicate that the baghouse was operating in a satisfactory manner in compliance with FGSILOS IV.1. Per PTI No. 244-98B (approved on April 5, 2021), FGSILOS IV.2 requires Fendt to equip and maintain the baghouse with a device to monitor pressure drop on a continuous basis. During this inspection, I was informed that the components required to measure the baghouse pressure drop were on backorder and the components may not arrive for months due to delays caused by the COVID-19 pandemic. I was given a copy of the purchase order.

It is important to note that Mr. Alan Fendt expressed professional dissatisfaction about the expense of installing the pressure drop gauge. I was told it will be a significant expense because the installation of the gauge was agreed to after the initial PTI modification to approve replacement silos. Mr. Fendt stated a major part of the pressure drop gauge installation expense will be from installing a new electrical conduit. Upon my later review of the purchase order, it appeared that the installation of a pneumatically powered Magnehelic gauge would satisfy the permit requirements at a much lower cost. Therefore, I left a voicemail message and sent Mr. Fendt a supporting email in which I provided information about a lower-cost option. Mr. Fendt returned my call within an hour. We discussed the permit compliance options and Mr. Fendt thanked me for the information. Mr. Fendt said he will discuss the options with his management team and decide. I told Mr. Fendt to call me if has any questions.

Fendt's malfunction abatement plan appears to meet the requirements of FGSILOS III.4 and R 336.1911.

EUSTOCKPILES, III.1 allows ten outside storage piles. I observed nine outside storage piles, which appear to indicate compliance with this permit condition.

Fendt uses calcium chloride and water applications to control dust in their yard. I was informed that the first Spring application is scheduled to occur on May 26, 2021.

FGBOILERS permits the operation of two natural gas-fired boilers. Fendt has removed one boiler since the permit was approved. I observed one Cleaver Brooks boiler, model number CB700-60. This boiler is rated at 2,511,000 BTU per hour heat input.

FGSILOS requires recordkeeping of the amount of material loaded into silos and PM emission calculations. Records provided appear to demonstrate compliance with the 1.4 tpy 12-month rolling PM limit.

APPENDIX A

I was provided a copy of the record of all watering/dust suppressant applications, which appeared to demonstrate compliance with the fugitive dust minimization plan.

CONCLUSION

Fendt Builder's Supply appears to comply with all evaluated permit conditions.

NAME Robert Ulmocchi DATE 9/10/2021 SUPERVISOR Joyce