

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

F915864081

FACILITY: FENDT BUILDER'S SUPPLY INC		SRN / ID: F9158
LOCATION: 22005 GILL RD, FARMINGTON		DISTRICT: Warren
CITY: FARMINGTON		COUNTY: OAKLAND
CONTACT: Steve Fendt , IT Manager		ACTIVITY DATE: 07/29/2022
STAFF: Robert Elmouchi	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT: Scheduled on-site inspection.		
RESOLVED COMPLAINTS:		

On July 29, 2022, I conducted a scheduled inspection of Fendt Builder's Supply, 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 manufactures 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 Ron Haller, Facilities Manager. Ron and I held an opening meeting and then walked the facility. Steve Fendt, IT Manager, joined Ron and me for the closing meeting. Alan Fendt, President, entered the facility as I was leaving. I took the opportunity to provide Alan with an update.

Cement shipments are received and conveyed pneumatically into the storage silos. Three types of cement are used by Fendt Builder's Supply; 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.

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. It should be noted that piles of broken products are not stockpiles per the permit description. EUSTOCKPILES states the emission unit is, "Sand and gravel stockpiles kept in 10 bins outside of the building."

EUBOILER1 permits the operation of one natural gas-fired boiler. I observed one Cleaver Brooks boiler, model number CB700-60. The serial number on the nameplate is L-75959. This boiler is rated at 2,511,000 BTU per hour heat input. It is important to note that EUBOILER1 states, "The heat input capacity of EUBOILER1 shall not exceed a maximum of 2.5 MM BTU per hour." Because rounding the rated heat input results in a value of 2.5 MM BTU per hour, the permittee is in compliance with this permit limit.

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

Since the May 21, 2021, inspection, Fendt Builder's Supply removed an underground diesel fuel storage tank and installed a 500-gallon capacity above-ground diesel fuel storage tank. This tank is exempt from R 336.1201(1) per R 336.1284(2)(d).

APPENDIX A

Fugitive dust is properly managed by Fendt Builder's Supply. Residential properties are adjacent to all sides of this business. There is no history of complaints against Fendt Builder's Supply in the MACES database.

Fendt Builder's Supply uses calcium chloride and water applications to control dust in their yard. I received records of all watering/dust suppressant applications from April 2021 to current, in compliance with Appendix A, I.A. Material piles appeared to be properly stored, and there was no significant track out onto Gill Road. I did not observe fugitive dust or fallout impacts in the vicinity of this facility.

CONCLUSION

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

NAME Robert Umarchi

DATE 8/16/2022

SUPERVISOR Joyce