



GRETCHEN WHITMER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF
ENVIRONMENT, GREAT LAKES, AND ENERGY
LANSING DISTRICT OFFICE



DANIEL EICHINGER
ACTING DIRECTOR

April 10, 2023

VIA EMAIL

Sam Amer, Corporate Environmental Manager
Fritz Enterprises, Incorporated
1650 West Jefferson
Trenton, Michigan 48183

SRN: N6823, Genesee County

Dear Sam Amer:

VIOLATION NOTICE

On March 27, 2023, the Department of Environment, Great Lakes, and Energy (EGLE), Air Quality Division (AQD), conducted an inspection of Fritz Enterprises of Flint (Fritz Enterprises) located at 5032 North Dort Highway, Flint, Michigan. The purpose of this inspection was to determine Fritz Enterprises' compliance with the requirements of the federal Clean Air Act; Part 55, Air Pollution Control, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (Act 451); the Air Pollution Control Rules; and the conditions of Permit to Install (PTI) number 92-00B.

During the inspection, staff observed the following:

Process Description	Rule/Permit Condition Violated	Comments
FG-SHREDDEROP	PTI 92-00B, FG-SHREDDEROP, SC III.9; Rule 911	Facility malfunction abatement plan (MAP) has not been updated since 2002.
EU-ZBOX	PTI No. 92-00B, EU-ZBOX Special Condition (SC) IV.1, and VI. 1; Rule 910	Wet scrubber does not have a pressure drop gauge.

On May 26, 2022, the AQD was provided with an electronic copy of the malfunction abatement plan (MAP) used by Fritz Enterprises. The MAP was dated December 2002. It has not been updated, as the list of supervisory personnel and contact information is for the previous site owner, S & S Metals. Also, it does not reference the post-December 2002 installation of the Smart Water Injection System, and the corresponding removal from service, of one of the two cyclones. This is a violation of Rule 911(2), which requires the following:

(1) A malfunction abatement plan required by subrule (1) of this rule shall be in writing and shall, at a minimum, specify all of the following:

(a) A complete preventative maintenance program, including identification of the supervisory personnel responsible for overseeing the inspection, maintenance, and repair of air-cleaning devices, a description of the items or conditions that shall be inspected, the frequency of the inspections or repairs, and an identification of the major replacement parts that shall be maintained in inventory for quick replacement.

(b) An identification of the source and air-cleaning device operating variables that shall be monitored to detect a malfunction or failure, the normal operating range of these variables, and a description of the method of monitoring or surveillance procedures.

(c) A description of the corrective procedures or operational changes that shall be taken in the event of a malfunction or failure to achieve compliance with the applicable emission limits.

Maintaining the plan involves updating the MAP to reflect the current personnel, control equipment and the current operational practices at the site. It is important that plant employees and the AQD have access to an up to date and accurate MAP.

Additionally, the MAP identifies the two cyclones which were in service in December 2002 having pressure drop gauges, as well as the wet scrubber. It is the AQD's understanding that the current single cyclone serving the plant has a pressure drop gauge, but the wet scrubber does not. This is a violation of PTI No. 92-00B, EU-ZBOX Special Condition (SC) VI.1, which requires:

"The permittee shall install, calibrate, maintain and operate a pressure drop gauge and a liquid flow indicator on the wet scrubber portion of EU-ZBOX."

Lack of monitoring equipment is also a violation of Rule 910 of the administrative rules promulgated under Act 451, which requires that an air-cleaning device shall be installed, maintained, and operated in a satisfactory manner and in accordance with the administrative rules and existing law, and of PTI No. 92-00B, EU-ZBOX SC IV.1, which requires:

"The permittee shall not operate EU-ZBOX unless the cyclone and wet scrubber are installed, maintained, and operated in a satisfactory manner."

The Fritz Enterprises response to the AQD violation notice that was received electronically on November 17, 2022, included an illustration of areas where materials were reported to have built up inside ductwork. It stated that a preventative maintenance program mandating cleaning out & clearing duct system every other day, was established and implemented. This should be added to the MAP. Documentation

should be kept of the inspections and maintenance performed on the plant, to demonstrate that the MAP is being followed.

The December 2002 MAP states that at plant startup and shutdown, readings from pressure drop gauges and the waterflow rate (for the wet scrubber) are recorded. The VN response received on November 17, 2022, stated that pressure drop from the cyclone and water flow rate (from the wet scrubber) are recorded daily. Please clarify the MAP as to the number of times per day these are recorded.

Page 4 of the December 2002 MAP describes the wet scrubber pressure drop gauge used at that time having a range of "½ to 1-1/2 inches of water," but does not specify if this was in units of inches, water column. Page 6 of the MAP gives numeric values, with no units of measurements. Please clarify these units in the MAP.

The MAP does not address the contingency of when a pressure drop gauge or water flow gauge for the plant are not functioning. Additionally, it is the AQD's understanding that operation of the wet scrubber in winter may be problematic, and the MAP does not address this. Please submit an amended MAP to the AQD Lansing District Supervisor Robert Byrnes, within 45 days of the date of receipt of this request, pursuant to PTI No. 92-00B, FG-SHREDDEROP SC III.9, which states, in part:

"If at any time the MAP fails to address or inadequately addresses an event that meets the characteristics of a malfunction, the permittee shall amend the MAP within 45 days after such an event occurs. The permittee shall also amend the MAP within 45 days, if new equipment is installed or upon request from the District Supervisor. The permittee shall submit the MAP and any amendments to the MAP to the AQD District Supervisor for review and approval. If the AQD does not notify the permittee within 90 days of submittal, the MAP or amended MAP shall be considered approved. Until an amended plan is approved, the permittee shall implement corrective procedures or operational changes to achieve compliance with all applicable emission limits."

Also, please keep in mind that Rule 912(2) and (3) require the following:

"(2) The owner or operator of a source, process, or process equipment shall provide notice of an abnormal condition, start-up, shutdown, or a malfunction that results in emissions of a hazardous air pollutant which continue for more than 1 hour in excess of any applicable standard or limitation established by the clean air act or the emissions of a toxic air contaminant which continue for more than 1 hour in excess of an emission standard established by a rule promulgated under the air pollution act or an emission limitation specified in a permit issued or order entered under the air pollution act.

"(3) The owner or operator of a source, process, or process equipment shall provide

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notice and a written report of an abnormal condition, start-up, shutdown, or a malfunction that results in emissions of any air contaminant continuing for more than 2 hours in excess of a standard or limitation established by any applicable requirement.”

Lastly, it was discussed that Fritz Enterprises is considering the installation of additional 3-sided bunkers, or enclosures, for storing non-ferrous, non-metal, waste materials (fluff) onsite. Please ensure that the total capacity of bunker storage does not exceed the volume of 3,300 cubic yards allowed by PTI 92-00B, FG-SHREDDEROP SC III.6.

Please initiate actions necessary to correct the cited violations and submit a written response to this Violation Notice by May 1, 2023, (which coincides with 21 calendar days from the date of this letter). The written response should include: the dates the violations occurred; an explanation of the causes and duration of the violations; whether the violations are ongoing; a summary of the actions that have been taken and are proposed to be taken to correct the violations and the dates by which these actions will take place; and what steps are being taken to prevent a reoccurrence.

Please submit the written response to EGLE, AQD, Lansing District, at Constitution Hall, P.O. Box 30242, First Floor South, Lansing, Michigan 48909 and submit a copy to Jenine Camilleri, Enforcement Unit Supervisor at EGLE, AQD, P.O. Box 30260, Lansing, Michigan 48909-7760.

If Fritz Enterprises believes the above observations or statements are inaccurate or do not constitute violations of the applicable legal requirements cited, please provide appropriate factual information to explain your position.

Thank you for your attention to resolving the violations cited above and for the cooperation that was extended to the AQD staff during the inspection of Fritz Enterprises. If you have any questions regarding the violations or the actions necessary to bring this facility into compliance, please contact me at the number listed below.

Sincerely,



Daniel A. McGeen
Environmental Quality Analyst
Air Quality Division
517-648-7547

cc: Annette Switzer, EGLE
Christopher Ethridge, EGLE
Brad Myott, EGLE
Jenine Camilleri, EGLE
Bob Byrnes, EGLE