



GRETCHEN WHITMER
GOVERNOR

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



PHILLIP D. ROOS
DIRECTOR

August 14, 2024

Kevin Richardson
Calhoun Foundry
506 South Clay Street
Homer, Michigan 49245

SRN: A0617, Calhoun County

Dear Kevin Richardson:

VIOLATION NOTICE

On July 17, 2024, the Department of Environment, Great Lakes, and Energy (EGLE), Air Quality Division (AQD), conducted an inspection of Calhoun Foundry located at 506 South Clay Street, Homer, Michigan. The purpose of this inspection was to determine Calhoun Foundry's 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; the conditions of Permit to Install (PTI) numbers 197-69, 310-77A, and 513-89; and 40 CFR Part 63, Subpart ZZZZZ.

During the inspection, staff observed the following:

Process Description	Rule/Permit Condition Violated	Comments
(2) Electric Induction Furnaces	Rule 201 (R 336.1201)	Installation and operation of two (2) electric induction melting furnaces without obtaining a PTI.
Ductile Iron Inoculation	Rule 201 (R 336.1201)	Operation of ductile inoculation without obtaining a PTI.
Sand Cooler	Rule 201 (R 336.1201)	Installation and operation of a sand cooler without obtaining a PTI.
Didion Rotary Sand/Casting Separator	Rule 201 (R 336.1201)	Installation and operation of a Didion rotary drum sand/casting separator without obtaining a PTI.
Vibratory Shaker Pan	Rule 201 (R 336.1201)	Installation and operation of a vibratory shaker pan without obtaining a PTI.
(4) Redford Core Machines	Rule 201 (R 336.1201)	Reactivation of four (4) Redford shell core machines without obtaining a PTI.
Shakeout and Sand handling	PTI No. 513-89, Special Condition 19	Failure to discharge exhaust gases vertically upwards. Stack is exhausted horizontally.

During this inspection, it was noted that Calhoun Foundry had installed unpermitted equipment at this facility. The AQD staff advised Calhoun Foundry on July 17, 2024, that this is a violation of Rule 201 of the administrative rules promulgated under Act 451. Additionally, AQD staff note that Calhoun Foundry had ceased operation of four (4) Redford shell core machines for

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approximately eight years before restarting operation of the machines. A PTI was required prior to reactivating the core machines.

A program for compliance may include a completed PTI application for the above listed process equipment. An application form is available by request, or at the following website:
www.michigan.gov/air.

Be advised that Rule 201 requires that a permit be obtained prior to installation, construction, operation, reconstruction, relocation, or alteration of any process or process equipment which may be a source of an air contaminant.

Please initiate actions necessary to correct the cited violations and submit a written response to this Violation Notice by September 4, 2024 (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 Eric Grinstern at EGLE, AQD, Grand Rapids District, at 350 Ottawa Avenue NW, Unit 10, Grand Rapids, Michigan 49503 or GrinsternE@Michigan.gov and submit a copy to Jenine Camilleri, Enforcement Unit Supervisor at EGLE, AQD, P.O. Box 30260, Lansing, Michigan 48909-7760, as well as to Monica Brothers, Kalamazoo District Supervisor at EGLE, AQD, 7953 Adobe Road, Kalamazoo, Michigan 49009-5025.

If Calhoun Foundry 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 us during our inspection of Calhoun Foundry. 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,



Eric Grinstern
Environmental Quality Specialist
Air Quality Division
616-558-0616

cc: Annette Switzer, EGLE
Christopher Ethridge, EGLE
Brad Myott, EGLE
Jenine Camilleri, EGLE
Monica Brothers, EGLE