

State Registration Number
B6202

**RENEWABLE OPERATING PERMIT
STAFF REPORT**

ROP Number
MI-ROP-B6202-2023

E-T-M Enterprises, Inc.

State Registration Number (SRN): B6202

Located at

920 North Clinton Street, Grand Ledge, Eaton County, Michigan 48837

Permit Number: MI-ROP-B6202-2023

Staff Report Date: December 5, 2022

This Staff Report is published in accordance with Sections 5506 and 5511 of Part 55, Air Pollution Control, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (Act 451). Specifically, Rule 214(1) of the administrative rules promulgated under Act 451, requires that the Michigan Department of Environment, Great Lakes, and Energy (EGLE), Air Quality Division (AQD), prepare a report that sets forth the factual basis for the terms and conditions of the Renewable Operating Permit (ROP).

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Purpose

Major stationary sources of air pollutants, and some non-major sources, are required to obtain and operate in compliance with an ROP pursuant to Title V of the federal Clean Air Act; and Michigan’s Administrative Rules for Air Pollution Control promulgated under Section 5506(1) of Act 451. Sources subject to the ROP program are defined by criteria in Rule 211(1). The ROP is intended to simplify and clarify a stationary source’s applicable requirements and compliance with them by consolidating all state and federal air quality requirements into one document.

This Staff Report, as required by Rule 214(1), sets forth the applicable requirements and factual basis for the draft ROP terms and conditions including citations of the underlying applicable requirements, an explanation of any equivalent requirements included in the draft ROP pursuant to Rule 212(5), and any determination made pursuant to Rule 213(6)(a)(ii) regarding requirements that are not applicable to the stationary source.

General Information

Stationary Source Mailing Address:	E-T-M Enterprises, Inc. 920 North Clinton Street Grand Ledge, Michigan 48837
Source Registration Number (SRN):	B6202
North American Industry Classification System (NAICS) Code:	336390
Number of Stationary Source Sections:	1
Is Application for a Renewal or Initial Issuance?	Renewal
Application Number:	201900032
Responsible Official:	Steve Mohnke, President 517-925-1207
AQD Contact – District Inspector:	Daniel McGeen, Environmental Quality Analyst 517-648-7547
AQD Contact - ROP Writer:	Matt Karl, Environmental Quality Analyst 517-282-2126
Date Application Received:	March 1, 2019
Date Application Was Administratively Complete:	March 25, 2019
Is Application Shield in Effect?	Yes
Date Public Comment Begins:	December 5, 2022
Deadline for Public Comment:	January 4, 2023

Source Description

E-T-M Enterprises, Inc. (ETM) is located on the north end of Grand Ledge, in Eaton County. Residential areas are located mainly to the south and west of the facility. To the north and northeast of the plant is a mostly industrial area, followed by fields and a few residences. The closest residences to ETM are about 175 feet to the south of the plant, 125 feet to the west, 630 feet to the north and about 800 feet to the east or southeast.

ETM manufactures and coats reinforced plastic composite parts used in the motor transport industry. Manufacturing processes include resin storage and preparation, compression molding of resins into plastic parts, parts trimming and sanding, and surface coating and drying. Pollutants emitted from the facility include Volatile Organic Compounds (VOCs) and Hazardous Air Pollutants (HAPs), the greatest individual HAP emitted is styrene, and to a lesser amount methyl methacrylate (MMA). VOCs and HAPs are emitted from the coating of the plastic exterior automotive parts and from manufacture of the plastic parts.

Coating operations performed in booths have filter controls. Emissions are controlled through emission limits, material usage limits, styrene and MMA material content limits and process and operational restrictions.

The following table lists stationary source emission information as reported to the Michigan Air Emissions Reporting System (MAERS) for the year **2021**.

TOTAL STATIONARY SOURCE EMISSIONS

Pollutant	Tons per Year
Carbon Monoxide (CO)	0.0
Lead (Pb)	0.0
Nitrogen Oxides (NO _x)	0.0
PM10*	0.08
Sulfur Dioxide (SO ₂)	0.0
Volatile Organic Compounds (VOCs)	2.4 (+5.6 = 8)**

*PM10: Particulate Matter equal to or less than 10 microns in diameter

**Facility has not been reporting Styrene as a VOC. This will be corrected in MAERS moving forward.

The following table lists Hazardous Air Pollutant emissions as reported for the year 2021 by the facility:

Individual Hazardous Air Pollutants (HAPs) **	Tons per Year
Styrene	5.6
Total Hazardous Air Pollutants (HAPs)	Not Reported

**As listed pursuant to Section 112(b) of the federal Clean Air Act.

See Parts C and D in the ROP for summary tables of all processes at the stationary source that are subject to process-specific emission limits or standards.

Regulatory Analysis

The following is a general description and history of the source. Any determinations of regulatory non-applicability for this source are explained below in the Non-Applicable Requirement part of the Staff Report and identified in Part E of the ROP.

The stationary source is in Eaton County, which is currently designated by the United States Environmental Protection Agency (USEPA) as attainment/unclassified for all criteria pollutants.

The stationary source is subject to Title 40 of the Code of Federal Regulations (CFR) Part 70, because the potential to emit of any single HAP (styrene) regulated by Section 112 of the federal Clean Air Act, is equal to or more than 10 tons per year and/or the potential to emit of all HAPs combined is equal to or more than 25 tons per year.

The stationary source is a "synthetic minor" source regarding VOC emissions because the stationary source accepted a legally enforceable permit condition limiting the potential to emit of VOC to less than 100 tons per year.

No emission units at the stationary source are currently subject to the Prevention of Significant Deterioration regulations of Part 18, Prevention of Significant Deterioration of Air Quality of Act 451, because at the time of New Source Review (NSR) permitting the potential to emit of each criteria pollutant was less than 250 tons per year. Emission units at the stationary source have gone through minor NSR permitting.

Emission Units identified as EUBARRELMIXERS, EUBATCHMIXER, EUHYDPRESSES, EURTM, EUGELCOAT, EUGELCOAT2, EUCLEANUP and EUMIXER at the stationary source are subject to the National Emission Standard for Hazardous Air Pollutants for Reinforced Plastic Composites Production promulgated in 40 CFR Part 63, Subparts A and WWWW.

Emission Units identified as EUFLINERBOOTH at the stationary source is subject to the National Emission Standard for Hazardous Air Pollutants for Surface Coating of Plastic Parts and Products promulgated in 40 CFR Part 63, Subparts A and PPPP.

The monitoring conditions contained in the ROP are necessary to demonstrate compliance with all applicable requirements and are consistent with the "Procedure for Evaluating Periodic Monitoring Submittals."

No emission units have emission limitations or standards that are subject to the federal Compliance Assurance Monitoring rule pursuant to 40 CFR Part 64, because all emission units at the stationary source either do not have a control device or those with a control device do not have potential pre-control emissions over the major source thresholds.

Please refer to Parts B, C and D in the draft ROP for detailed regulatory citations for the stationary source. Part A contains regulatory citations for general conditions.

Source-Wide Permit to Install (PTI)

Rule 214a requires the issuance of a Source-Wide PTI within the ROP for conditions established pursuant to Rule 201. All terms and conditions that were initially established in a PTI are identified with a footnote designation in the integrated ROP/PTI document.

The following table lists all individual PTIs that were incorporated into previous ROPs. PTIs issued after the effective date of ROP No. MI-ROP-B6202-2015 are identified in Appendix 6 of the ROP.

PTI Number			
178-80	178-80A	178-80B	352-83
353-83	354-83	248-85	248-85A
899-93	617-94		

Streamlined/Subsumed Requirements

This ROP does not include any streamlined/subsumed requirements pursuant to Rules 213(2) and 213(6).

Non-applicable Requirements

Part E of the ROP lists requirements that are not applicable to this source as determined by the AQD, if any were proposed in the ROP Application. These determinations are incorporated into the permit shield provision set forth in Part A (General Conditions 26 through 29) of the ROP pursuant to Rule 213(6)(a)(ii).

Processes in Application Not Identified in Draft ROP

The following table lists processes that were included in the ROP Application as exempt devices under Rule 212(4). These processes are not subject to any process-specific emission limits or standards in any applicable requirement.

PTI Exempt Emission Unit ID	Description of PTI Exempt Emission Unit	Rule 212(4) Citation	PTI Exemption Rule Citation
EU001TANKS	Two (2) 6,000-gallon tanks filled with resin containing styrene.	Rule 212(4)(d)	Rule 284(2)(i)
EU001DIEBAKEOVEN	“Die bake oven” is a natural gas fired oven used to cure molds.	Rule 212(4)(c)	Rule 282(2)(a)(i)

Draft ROP Terms/Conditions Not Agreed to by Applicant

This draft ROP does not contain any terms and/or conditions that the AQD and the applicant did not agree upon pursuant to Rule 214(2).

Compliance Status

The AQD finds that the stationary source is expected to be in compliance with all applicable requirements as of the effective date of this ROP.

Action taken by EGLE, AQD

The AQD proposes to approve this ROP. A final decision on the ROP will not be made until the public and affected states have had an opportunity to comment on the AQD’s proposed action and draft permit. In addition, the USEPA is allowed up to 45 days to review the draft ROP and related material. The AQD is not required to accept recommendations that are not based on applicable requirements. The delegated decision maker for the AQD is Christopher Ethridge, Assistant Division Director. The final determination for ROP approval/disapproval will be based on the contents of the ROP Application, a judgment that the stationary source will be able to comply with applicable emission limits and other terms and conditions, and resolution of any objections by the USEPA.

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January 5, 2023 - STAFF REPORT ADDENDUM

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Purpose

A Staff Report dated December 5, 2022, was developed to set forth the applicable requirements and factual basis for the draft Renewable Operating Permit (ROP) terms and conditions as required by Rule 214(1) of the administrative rules promulgated under Act 451. The purpose of this Staff Report Addendum is to summarize any significant comments received on the draft ROP during the 30-day public comment period as described in Rule 214(3). In addition, this addendum describes any changes to the draft ROP resulting from these pertinent comments.

General Information

Responsible Official:	Steve Mohnke, President 517-925-1207
AQD Contact – District Inspector:	Daniel McGeen, Environmental Quality Analyst 517-648-7547
AQD Contact - ROP Writer:	Matt Karl, Environmental Quality Analyst 517-282-2126

Summary of Pertinent Comments

No pertinent comments were received during the 30-day public comment period.

Changes to the December 5, 2022 Draft ROP

No changes were made to the draft ROP.