

Michigan Department of Environmental Quality
Air Quality Division

State Registration Number
N5599

**RENEWABLE OPERATING PERMIT
STAFF REPORT**

ROP Number
MI-ROP-N5599-2011

Lyons Industries, Inc.

SRN: N5599

Located at

30000 M-62 West, Dowagiac, Cass County, Michigan 49047

Permit Number: MI-ROP-N5599-2011

Staff Report Date: September 12, 2011

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) requires that the Michigan Department of Environmental Quality (MDEQ), 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 a ROP pursuant to Title V of the federal Clean Air Act of 1990 and Michigan's Administrative Rules for air pollution control pursuant to 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 report, as required by Rule 214(1), sets forth the applicable requirements and factual basis for the draft permit terms and conditions including citations of the underlying applicable requirements, an explanation of any equivalent requirements included in the draft permit 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:	Lyons Industries. Inc. 30000 M-62 West Dowagiac, Michigan 49047
Source Registration Number (SRN):	N5599
North American Industry Classification System (NAICS) Code:	326191
Number of Stationary Source Sections:	1
Is Application for a Renewal or Initial Issuance?	Renewal
Application Number:	201100060
Responsible Official:	Lance Lyons, President 269-782-3404
AQD Contact:	Dennis Dunlap, Environmental Quality Specialist 269-567-3553
Date Permit Application Received:	June 9, 2011
Date Application Was Administratively Complete:	June 13, 2011
Is Application Shield In Effect?	Yes
Date Public Comment Begins:	September 12, 2011
Deadline for Public Comment:	October 12, 2011

Source Description

Lyons Industries, Inc. manufactures sinks, tubs, and shower wall enclosures using plastic vacuum forming and fiberglass resin lay-up operations. An outside dust collector is connected to sanders and saws.

The following table lists stationary source emission information as reported to the Michigan Air Emissions Reporting System in the 2011 submittal.

TOTAL STATIONARY SOURCE EMISSIONS

Pollutant	Tons per Year
Volatile Organic Compounds (VOC)	35.9
Individual Hazardous Air Pollutant (HAP) **	
Styrene	32.3
Total Hazardous Air Pollutant (HAP)	32.3

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

In addition to the pollutants listed above that have been reported in MAERS, the potential to emit of Greenhouse Gases in tons per year of CO₂e is less than 100,000. CO₂e is a calculation of the combined global warming potentials of six Greenhouse Gases (carbon dioxide, methane, nitrous oxide, hydrofluorocarbons, perfluorocarbons, and sulfur hexafluoride).

See Parts C and D in the draft 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 located in Cass County, which is currently designated by the U.S. Environmental Protection Agency (USEPA) as attainment for all criteria pollutants.

The stationary source is subject to Title 40 of the Code of Federal Regulations (CFR), Part 70, due to potential emissions of HAP. The facility is considered a major source of HAP emissions because the potential to emit of any single HAP regulated by the federal Clean Air Act, Section 112, is greater than 10 tons per year and the potential to emit of all HAP combined is greater than 25 tons per year.

No emission units at the stationary source are currently subject to the Prevention of Significant Deterioration (PSD) regulations of Part 18, Prevention of Significant Deterioration of Air Quality of Act 451; or 40 CFR, Part 52.21; because the process equipment was constructed/installed prior to June 19, 1978, the promulgation date of the PSD regulations. The facility is not currently subject to any New Source Performance Standards.

The stationary source is subject to the Maximum Achievable Control Technology Standards for Reinforced Plastic Composites Production promulgated in 40 CFR, Part 63, Subparts A and WWWW.

No emission units are subject to the federal Compliance Assurance Monitoring rule under 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.

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

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. The PTIs issued after the effective date of ROP No. MI-ROP-N5599-2006 are identified in Appendix 6 of the ROP.

PTI Number			
303-05	320-95B		

Streamlined/Subsumed Requirements

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

Non-applicable Requirements

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

Exempt Emission Unit ID	Description of Exempt Emission Unit	Rule 212(4) Exemption	Rule 201 Exemption
EU-NATGAS	Three unit heaters, each 1.05 MMBTU/hr.	R 336.1212(4)(b)	R 336.1282(b)(i)

Draft ROP Terms/Conditions Not Agreed to by Applicant

This permit 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 the MDEQ

The AQD proposes to approve this permit. 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 permit 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 Ms. Mary Douglas, Kalamazoo District Supervisor. The final determination for ROP approval/disapproval will be based on the contents of the permit 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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October 13, 2011 STAFF REPORT ADDENDUM

Purpose

A Staff Report dated September 12, 2011, was developed in order to set forth the applicable requirements and factual basis for the draft ROP terms and conditions as required by R 336.1214(1). 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 R 336.1214(3). In addition, this addendum describes any changes to the draft ROP resulting from these pertinent comments.

General Information

Responsible Official:	Mr. Lance Lyons, President 269-782-3404
AQD Contact:	Dennis Dunlap, Environmental Quality Specialist 269-567-3553

Summary of Pertinent Comments

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

Changes to the September 12, 2011 Draft ROP

No changes were made to the draft ROP.