

201800034

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Michigan Department Of Environmental Quality - Air Quality Division

RENEWABLE OPERATING PERMIT APPLICATION C-001: CERTIFICATION

This information is required by Article II, Chapter 1, part 55 (Air Pollution Control) of P.A. 451 of 1994, as amended, and the Federal Clean Air Act of 1990. Failure to provide this information may result in civil and/or criminal penalties. Please type or print clearly.

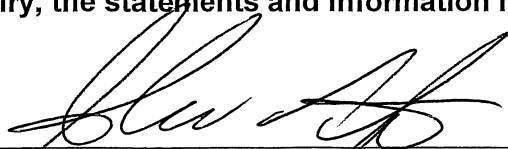
This form is completed and included as part of Renewable Operating Permit (ROP) initial and renewal applications, notifications of change, amendments, modifications, and additional information.

Form Type C-001	SRN A8217
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Stationary Source Name McLaren Performance Technologies	
City Livonia	County Wayne

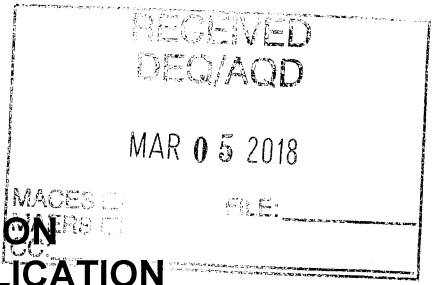
SUBMITTAL CERTIFICATION INFORMATION	
1. Type of Submittal <i>Check only one box.</i>	
<input type="checkbox"/> Initial Application (Rule 210)	<input checked="" type="checkbox"/> Notification / Administrative Amendment / Modification (Rules 215/216)
<input type="checkbox"/> Renewal (Rule 210)	<input type="checkbox"/> Other, describe on AI-001
2. If this ROP has more than one Section, list the Section(s) that this Certification applies to <u>EUTESTCELL10</u>	
3. Submittal Media <input checked="" type="checkbox"/> E-mail <input type="checkbox"/> FTP <input type="checkbox"/> Disk <input type="checkbox"/> Paper	
4. Operator's Additional Information ID - Create an Additional Information (AI) ID that is used to provide supplemental information on AI-001 regarding a submittal.	
AI	

CONTACT INFORMATION	
Contact Name Kristen Baumia	Title EHS Specialist
Phone number 248-772-0199	E-mail address kristen.baumia@linamar.com

This form must be signed and dated by a Responsible Official.				
Responsible Official Name <u>Andy Toton</u>			Title <u>Engineering Manager - Development</u>	
Mailing address 32233 West Eight Mile Road				
City Livonia	State MI	ZIP Code 48152	County Wayne	Country USA
As a Responsible Official, I certify that, based on information and belief formed after reasonable inquiry, the statements and information in this submittal are true, accurate and complete.				
 _____ Signature of Responsible Official			<u>3.1.18</u> _____ Date	



201800033

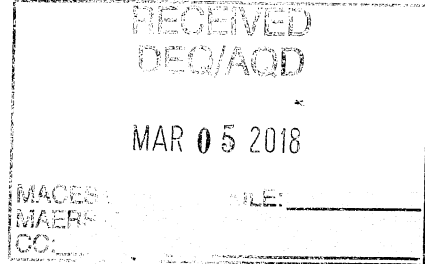


RENEWABLE OPERATING PERMIT M-001: RULE 215 CHANGE NOTIFICATION RULE 216 AMENDMENT/MODIFICATION APPLICATION

This information is required by Part 55, Air Pollution Control, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended, and the Federal Clean Air Act of 1990. Failure to obtain a permit required by Part 55 may result in penalties and/or imprisonment.

1. SRN A8217	2. ROP Number MI-ROP-A8217-2012	3. County Wayne
4. Stationary Source Name McLaren Performance Technologies, Inc		
5. Location Address 32233 West Eight Mile Road	6. City Livonia	
7. Submittal Type - <i>The submittal must meet the criteria for the box checked below. Check only one box. Attach a mark-up of the affected ROP pages for applications for Rule 216 changes.</i> <input type="checkbox"/> Rule 215(1) Notification of change. Complete Items 8 – 10 and 14 <input type="checkbox"/> Rule 215(2) Notification of change. Complete Items 8 – 10 and 14 <input type="checkbox"/> Rule 215(3) Notification of change. Complete Items 8 – 11 and 14 <input type="checkbox"/> Rule 215(5) Notification of change. Complete Items 8 – 10 and 14 <input type="checkbox"/> Rule 216(1)(a)(i)-(iv) Administrative Amendment. Complete Items 8 – 10 and 14 <input type="checkbox"/> Rule 216(1)(a)(v) Administrative Amendment. Complete Items 8 – 14. Results of testing, monitoring & recordkeeping must be submitted. See detailed instructions. <input checked="" type="checkbox"/> Rule 216(2) Minor Modification. Complete Items 8 – 12 and 14 <input type="checkbox"/> Rule 216(3) Significant Modification. Complete Items 8 – 12 and 14, and provide any additional information needed on ROP application forms. See detailed instructions. <input type="checkbox"/> Rule 216(4) State-Only Modification. Complete Items 8 – 12 and 14		
8. Effective date of the change. (MM/DD/YYYY) <i>See detailed instructions.</i>	02/23/2018	9. Change in emissions? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
10. Description of Change - <i>Describe any changes or additions to the ROP, including any changes in emissions and/or pollutants that will occur. If additional space is needed, complete an Additional Information form (AI-001).</i> Modification for EU-TESTCELL10 to lower the emission factor used for CO which results in less fuel permitted. CO Emissions factor changed from 0.394 to 1.45 lb/gal. Combined gallons per day of fuel was reduced from 1800 to 489 and the total for 12 month rolling time period reduced from 77,000 to 22,069. With the reduction in fuel used the 1,3 Butadiene limit reduced to 8.28 lb/yr.		
11. New Source Review Permit(s) to Install (PTI) associated with this application?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
If Yes, enter the PTI Number(s) <u>67-05C</u> - - - - -		
12. Compliance Status - <i>A narrative compliance plan, including a schedule for compliance, must be submitted using an AI-001 if any of the following are checked No.</i>		
a. Is the change identified above in compliance with the associated applicable requirement(s)?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
b. Will the change identified above continue to be in compliance with the associated applicable requirement(s)?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
c. If the change includes a future applicable requirement(s), will timely compliance be achieved?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
13. Operator's Additional Information ID - <i>Create an Additional Information (AI) ID for the associated AI-001 form used to provide supplemental information.</i>		AI
14. Contact Name	Telephone No.	E-mail Address
Kristen Baumia	248-772-0199	kristen.baumia@linamar.com
15. This submittal also updates the ROP renewal application submitted on <u>10/12/2016</u>		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
<i>(If yes, a mark-up of the affected pages of the ROP must be attached.)</i>		

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McLaren Performance Technologies

ROP No.: MI-ROP-A8217-2012
Expiration Date: April 18, 2017
PTI No.: MI-PTI-A8217-2012

**EU-TestCell10
EMISSION UNIT CONDITIONS**

DESCRIPTION

Test cell Number 10 with ~~no primary control device~~ a catalytic converter servicing as a primary control device

Emission Units: EU-TestCell10 N/A

POLLUTION CONTROL EQUIPMENT

NA Catalytic Converter

I. EMISSION LIMITS

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. CO	<u>985-709.2</u> lb/day ²	Daily	EU-TestCell10	S.C. II(4) S.C. VI(2) S.C. VI(4) SC VI.3	R 336.1205(1)(A) & (3), 40 CFR 52.21(d)
2. CO	<u>412.3 16</u> tpy ²	12-month rolling time period as determined at the end of each calendar month	EU-TestCell10	S.C. I(1), S.C. II(2) S.C. VI(2) S.C. VI(4) See Emission Factor Below*	R 336.1205(1)(a) & (3), 40 CFR 52.21(d)
3. 1,3- Butadiene	419.7 28.9 <u>8.28</u> lb ²	12-month rolling time period as determined at the end of each calendar month	EU-TestCell10	S.C. II(2), S.C. VI(3) S.C. VI(4) See Emission Factor Below* SC VI.2	R 336.1224, R 336.1225

*Limits are based on the worst-case emission factors as determined by testing in condition V(1) and as follows:
CO = ~~3.94 0.394~~ 1.45 lb/gallon; 1,3-Butadiene = ~~0.0024 0.000375~~ lb/gallon

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II. MATERIAL USAGE LIMITS

1. ~~The fuel usage for EU-TESTCELL10 shall not exceed 250 gallons per calendar day². (R 336.1225, R 336.1702 (c), 40 CFR 52.21(d))~~

2. ~~The fuel usage for EU-TESTCELL10 shall not exceed 57,000 gallons per 12-month rolling time period as determined at the end of each calendar month². (R 336.1205(1)(a), R 336.1225 and R 336.1702(c))~~

1. ~~The permittee shall burn only unleaded gasoline, diesel, kerosene, compressed natural gas (CNG), and liquid petroleum gas (LPG) in EU-TESTCELL10. (R 336.1205(1)(a) & (3), R 336.1225, R 336.1702(a), 40 CFR 52.21(c) & (d))~~

2. ~~The fuel usage for EU-TESTCELL10 shall not exceed 489,489 total combined gallons per calendar day. (R 336.1205(1)(a) & (3), R 336.1225, R 336.1702(a), 40 CFR 52.21(c) & (d))~~

3. ~~The fuel usage for EU-TESTCELL10 shall not exceed 22,069,77,000 total combined gallons per 12-month rolling time period as determined at the end of each calendar month. (R 336.1205(1)(a) & (3), R 336.1225, R 336.1702(a), 40 CFR 52.21(c) & (d))~~

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