



GUIDANCE DOCUMENT

Submission Requirements for Evidence of Conformity for On-road Motorcycles

In Relation to the On-road Vehicle and Engine Emission Regulations
Made Under the *Canadian Environmental Protection Act, 1999*



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**SUBMISSION REQUIREMENTS FOR
EVIDENCE OF CONFORMITY
FOR ON-ROAD MOTORCYCLES**

IN RELATION TO THE
ON-ROAD VEHICLE AND ENGINE EMISSION REGULATIONS
MADE UNDER THE
CANADIAN ENVIRONMENTAL PROTECTION ACT, 1999

Disclaimer

This document is intended to provide guidance only. It does not in any way supersede or modify the *Canadian Environmental Protection Act (CEPA), 1999*, the *On-Road Vehicle and Engine Emission Regulations (ORVEER)*, or their amendments. In the event of an inconsistency between this document and the CEPA and/or the ORVEER, the CEPA and the ORVEER prevail.

Environment and Climate Change Canada
May 2020

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1.0 Purpose

This document provides guidance related to the implementation of the *On-Road Vehicle and Engine Emission Regulations* (ORVEER) made under the *Canadian Environmental Protection Act, 1999* (CEPA). Specifically, it describes what evidence of conformity to the ORVEER is required and what procedures should be followed when submitting evidence of conformity for motorcycles manufactured for sale in Canada or imported into Canada.

2.0 Evidence of conformity

According to subsection 153(1) of the CEPA, motorcycles must conform to standards prescribed by the ORVEER. Evidence of conformity with those standards must be “obtained and produced in the prescribed form and manner or, if the Regulations so provide, in a form and manner satisfactory to the Minister” (paragraph 153(1)(b)). Obtaining, maintaining and submitting evidence of conformity are requirements of importation under the CEPA and the ORVEER. Sections 35, 35.1 and 36 of the ORVEER specify the form and manner for the evidence of conformity.

The ORVEER provides five options for complying with the evidence of conformity requirements. When determining which type of submission to provide, a company should consider the information required, the timing of the submission, the applicable standards and the label required. Before the import of a vehicle or, in the case of 153(2) of the CEPA with proper declaration, before the vehicle leaves the possession or control of the company¹ or before affixing the National Emissions Mark (NEM), a company must ensure that it has the complete evidence of conformity readily available. This information must be maintained in accordance with section 38 of the ORVEER. The following table provides an overview of the options that are available.

¹ For more information on this clause refer to section 42 of the ORVEER

Table 1: Options for submitting evidence of conformity

Type of Submission	Information Required	Timing of Submission	Applicable Standards as per the ORVEER Sections 11 to 17 or 19	Type of Emission Label
35(1) Covered by an EPA certificate & sold concurrently in Canada and the United States	See section 2.1.1 of this document	Upon request	EPA standards, as per certificate	EPA's VECI label, as per EPA certification
35(1) Covered by an EPA certificate & affixed with the NEM	See section 2.1.2 of this document	Upon request	EPA standards, as per certificate	EPA's VECI label, as per 35(1)(d)(i)
35(1.1) Covered by an EPA certificate	See section 2.1.3 of this document	Before importing or affixing NEM	EPA standards, as per certificate	EPA's VECI label, as per 35(1)(d)(i)
35.1 Equivalent to a vehicle covered by an EPA certificate	See section 2.2 of this document	Before importing or affixing NEM	EPA standards, as per certificate	Canada label, as per guidance
36 Canada-unique	See section 2.3 of this document	Before importing or affixing NEM	Canada standards, as per the ORVEER	Canada label, as per guidance

Under the CEPA and the ORVEER, it is the company that is legally responsible to maintain and submit the evidence of conformity. In addition, it is the company's responsibility to ensure that information provided to the Minister is accurate, complete and that the motorcycles imported into Canada or manufactured in Canada are identical to the motorcycles described in the evidence of conformity. The company importing the vehicle remains liable for producing the appropriate evidence of conformity when requested.

As defined in section 149 of the CEPA, a company means a person who:

- a) is engaged in the business of manufacturing vehicles, engines or equipment in Canada;
- b) is engaged in the business of selling to other persons, for the purpose resale by those persons, vehicles, engines or equipment obtained directly from a person described in paragraph (a) or the agent of such a person; or
- c) imports any vehicle, engine or equipment into Canada for the purpose of sale. (*entreprise*)

2.1 Covered by an EPA certificate

In the United States, manufacturers and importers are required to certify their vehicles with the U.S. Environmental Protection Agency (EPA) prior to being introduced into commerce. Companies submit an EPA application for certification, which contains technical information about all models within an engine

family and demonstrates that the models within the engine family, permeation family conform to the applicable standards. The EPA reviews the application and if satisfied, issues a certificate of conformity which allows the company to sell the models listed on the certificate.

For the purpose of the ORVEER, a vehicle is considered to be covered by an EPA certificate if its make and model are specifically listed on a valid EPA certificate of the same model year and which is in a configuration permitted by the EPA certificate. The model of the vehicle being imported or offered for sale in Canada must be in all material respects as described in the EPA application for certification. An example of an EPA certificate has been included in Appendix A.

The ORVEER allows for a company to use EPA certification and, in many cases, industry chooses to heavily rely on this provision. However, the Minister must be informed of any discrepancies between the vehicle certified in the U.S. and the vehicle that is imported or manufactured in Canada. This includes the scenario when a Canadian company chooses to use a different model name or a variation of the model name listed on the EPA certificate or in the EPA application for certification. When there are discrepancies, the company must inform the Minister of the difference(s) by submitting an equivalent vehicle submission prior to import or manufacturing (see section 2.2 of this document).

The intent of subsection 19(1) of the ORVEER is to provide companies with some choice regarding how they demonstrate compliance when importing or manufacturing a vehicle which is covered by an EPA certificate of conformity. For vehicles covered by an EPA certificate, a company may select whether to conform to either the standards found in sections 11 to 17 of the ORVEER or the standards listed on the EPA certificate. This decision is established prior to the time of import or NEM affixation and defines the content and timing of evidence of conformity (EoC) to meet the condition of 153(1)(b) of the CEPA. If a company chooses to meet section 11 to 17 of the ORVEER, the vehicle will not be considered to be covered by an EPA certificate, and would need to follow requirements under section 36. A different VECl label would need to be affixed and would therefore not reflect the VECl label described in the EPA application for certification supporting the certificate.

Furthermore, if a company is unable to obtain all the documents identified in section 35 of the ORVEER (such as the full and complete records submitted to the EPA in support of the EPA certificate) prior to import or if it is relying on section 153(2) of the CEPA, prior to the vehicle leaving the possession or control of the company², then the vehicle cannot be considered covered by an EPA certificate in Canada. Obtaining these documents is a condition of import or manufacture outlined in section 153 of the CEPA. A company must obtain and maintain the required documents for each model year. Alternatively, a company may always choose to provide evidence of conformity under section 36 of the ORVEER regardless of the existence of an EPA certificate, concurrent sales or a NEM (see section 2.3 of this document).

There are 3 options for providing evidence of conformity when a vehicle is covered by an EPA certificate.

2.1.1 Vehicle covered by an EPA certificate and sold concurrently in Canada and in the United States – subsection 35(1)

Subsection 35(1) of the ORVEER identifies the evidence of conformity required in the case of a vehicle that is covered by a valid EPA certificate and sold concurrently in Canada and in the United States. In this

²Refer to section 42 of the ORVEER

case a company may choose, as per subsection 19(1) of the ORVEER, to conform to the certification and in use standards referred to in the EPA certificate instead of the standards described in sections 11 to 17 of the ORVEER.

Concurrent sale is defined in section 1.1 of the ORVEER. In general, a vehicle that is sold in Canada is considered to be “sold concurrently” in the United States if any vehicle of that model year that belongs to the same engine family, permeation family is offered for sale in the United States during the 365 days preceding the vehicle’s importation into Canada, the application of the NEM, or, in the case of subsection 153(2) of the CEPA, before the vehicle leaves possession or control of the company (see section 4.0 of this document). The following are examples of accepted documents that may be submitted;

1. A vehicle of the same engine family, permeation family and model year is sold to the first retail purchaser or leaser in the United States. This must be substantiated with any of a, b, or c below:
 - a) Copy of dated invoice to the first U.S. retail purchaser/leaser;
 - b) Copy of dated invoice to a U.S. party who sells or leases at the U.S. retail level (e.g. dealer); or
 - c) Copy of dated purchase order between a U.S. party and the first U.S. retail purchaser/leaser.
2. A dated advertisement of the engine family, permeation family and model year targeted at U.S. consumers (this could include sales brochure, printed ad, magazine, price list etc.) demonstrating that the product was actively marketed and available for delivery in the U.S.
3. A dated U.S. manufacturer/importer/dealer list for the same engine family, permeation family and model year for the U.S. demonstrating that the product was actively marketed and available for delivery in the U.S.
4. A dated copy of an invoice from the same engine family, permeation family and model year from the factory to a U.S. distributor showing that the products have been wholesaled* in the U.S. This demonstrates sale of products at the wholesale level which will inevitably convert to retail sales over time.

** Wholesale as defined by the Gage Canadian Dictionary means “the sale of goods in large quantities at a time, usually to retailers rather than to consumers directly.”*

If a company chooses to rely on subsection 35(1) of the ORVEER to meet the evidence of conformity requirements for a vehicle covered by an EPA certificate and sold concurrently in Canada and in the United States, it is important that the following information be obtained and maintained in its complete form and submitted upon written request from the Minister:

- a) A copy of the EPA certificate covering the referenced vehicle;
- b) If a vehicle does not have a NEM affixed, a document demonstrating that a vehicle that belongs to the engine family, permeation family was offered for sale in the United States during the 365 days preceding the day on which the above referenced vehicle is imported into Canada, and the date of importation into Canada;
- c) A copy of the records submitted to the EPA in support of the application for the EPA certificate in respect of the referenced vehicle and any application for an amendment to that EPA certificate and any records submitted to the EPA to maintain that EPA certificate;

- d) A copy of the Vehicle Emissions Control Information (VECI) label.

2.1.2 Vehicle covered by an EPA certificate and affixed with the NEM – subsection 35(1)

If a company chooses to affix the NEM to a vehicle covered by a valid EPA certificate, proof of concurrent sale is not required, nor is the actual event of concurrent sale necessary.

It should be noted that the NEM is generally required for vehicles that are manufactured in Canada and will be transported between provinces and/or territories. Before affixing the NEM, the company must obtain the authorization of the Minister. For more information on the NEM, please contact Environment and Climate Change Canada's Transportation Division. Contact information can be found in section 6.6.

If a company chooses to rely on subsection 35(1) of the ORVEER to comply with the evidence of conformity for a vehicle covered by an EPA certificate and affixed with a NEM, the following information must be maintained and is required to be submitted, as per subsection 38(3) of the ORVEER, only upon request from the Minister:

- a) A copy of the EPA certificate covering the vehicle;
- b) A document demonstrating that the vehicles covered by the EPA certificate bears the national emissions mark;
- c) A copy of the records submitted to the EPA in support of the application for the EPA certificate in respect of the vehicle and any application for an amendment to that EPA certificate and any records submitted to the EPA to maintain that EPA certificate;
- d) A U.S. emission control information label that is permanently affixed to the vehicle in the form and location set out in section 413 of Title 40, chapter I, subchapter C, part 86, subpart E, of the CFR for the applicable model year of vehicle.

In reference to item b) above, an example of a document demonstrating that the NEM is affixed to the vehicle is provided in Appendix B.

2.1.3 Vehicle covered by an EPA certificate and not sold concurrently in Canada and the United States or not affixed with a NEM – subsection 35(1.1)

If a vehicle is covered by a valid EPA certificate, but it is not sold concurrently in Canada and the United States (see section 2.1.1 of this document) or it does not have a NEM affixed to it, evidence of conformity must be submitted to the Minister before importation as per subsection 35(1.1) of the ORVEER. Alternatively, a company may always choose to provide evidence of conformity under section 36 of the ORVEER regardless of the existence of an EPA certificate, concurrent sales, or the NEM (see section 2.3 of this document).

If a company chooses to rely on subsection 35(1.1) of the ORVEER to comply with the evidence of conformity requirements for a vehicle covered by an EPA certificate but not sold in the United States or not affixed with the NEM, the following information must be maintained and is required to be submitted prior to importation:

- a) A copy of the EPA certificate covering the vehicle;
- b) A Statement of Compliance Letter (see section 2.3.1 of this document);

- c) A copy of the records submitted to the EPA in support of the application for the EPA certificate in respect of the vehicle to which it is equivalent and any application for an amendment to that EPA certificate and any records submitted to the EPA to maintain that EPA certificate;
- d) A U.S. emission control information label that is permanently affixed to the vehicle in the form and location set out in section 413 of Title 40, chapter I, subchapter C, part 86, subpart E, of the CFR for the applicable model year of vehicle.

2.2 Equivalent Vehicle – section 35.1

Section 19.1 of the ORVEER states that a vehicle of a specific model year that is not covered by an EPA certificate may be considered equivalent to a vehicle that is covered by an EPA certificate if a company submits the evidence of conformity referred to in section 35.1. The equivalency of a vehicle is determined by the Minister, based on the information outlined in section 35.1.

An equivalent vehicle must be in the same configuration as the vehicle covered by the EPA certificate. To be in the same configuration means that:

- a) Both vehicles share all the necessary features described in sections 420 of Title 40, chapter I, subchapter C, part 86, subpart E, and 230 of Title 40, chapter I, subchapter U, part 1051, subpart C, of the CFR that are used by the EPA to classify vehicles into engine families and into permeation families;
- b) The equivalent vehicle has the same emission control features; and
- c) The equivalent vehicle has no features that could cause it to have a higher level of emissions than the certified vehicle.

In other words, to be equivalent, the vehicle would therefore be able to be sold in the United States “as is,” if it were listed on the EPA certificate or in the EPA application for certification.

To import or manufacture vehicles which are not in the same configuration as the vehicle covered by the EPA certificate, a company must submit a Canada-unique submission, as per section 36 of the ORVEER (see section 2.3 of this document).

As specified in subsection 19.1(2) of the ORVEER, the determination of a vehicle being equivalent to a vehicle covered by an EPA certificate is made by the Minister, based on the evidence of conformity described in section 35.1 of the ORVEER. If the Minister has determined that a vehicle is equivalent, it will be considered in Canada to be covered by the EPA certificate provided in the evidence of conformity. This equivalent vehicle can only be sold in Canada during the period for which the EPA certificate is valid in the United States.

If a company chooses to rely on section 35.1 of the ORVEER to comply with the evidence of conformity requirements for an equivalent vehicle, the following information must be maintained and is required to be submitted prior to importation or before affixing the NEM:

- a) A written statement that the vehicle has the same emission control features as the vehicle tested to obtain the EPA certificate and has no features that could cause it to have a higher level of emissions than that certified vehicle; and
- b) A copy of the EPA certificate covering the vehicle to which it is equivalent.

Additionally, if a company chooses to rely on section 35.1 of the ORVEER to comply with the evidence of conformity requirements for an equivalent vehicle, the following information must be maintained and is required to be submitted only upon request from the Minister:

- c) A copy of the records submitted to the EPA in support of the application for the EPA certificate in respect of the vehicle to which it is equivalent and any application for an amendment to that EPA certificate and any records submitted to the EPA to maintain that EPA certificate;
- d) For the 2017 and later model years, an emission control information label that is permanently affixed to the vehicle in a readily accessible location and that contains information that is equivalent to the information required under the CFR provisions referred to in subparagraph 35.1(1)(d)(ii) of the ORVEER and either:
 - i) a national emissions mark affixed in manner prescribed by subsection 8(3) of the ORVEER, or
 - ii) the statement “THIS VEHICLE CONFORMS TO ALL APPLICABLE STANDARDS PRESCRIBED BY THE ON-ROAD VEHICLE AND ENGINE EMISSION REGULATIONS / CE VÉHICULE EST CONFORME À TOUTES LES NORMES QUI LUI SONT APPLICABLES EN VERTU DU RÈGLEMENT SUR LES ÉMISSIONS DES VÉHICULES ROUTIERS ET DE LEURS MOTEURS.”
- e) Additional evidence, obtained and produced in a form and manner satisfactory to the Minister, establishing that the vehicle and the vehicle covered by the EPA certificate are equivalent in that they share all the features described in the CFR that are used by the EPA to classify vehicles into engine families and permeation families.

An example of a statement of compliance letter is provided in Appendix C, which contains the statement referenced in a) above.

To facilitate the review of the equivalent vehicle submission, please provide a comparison table between the two models along with items a) and b) listed above. This information is often requested as a follow-up, as per paragraph 35.1(1)(e) of the ORVEER. This table should compare the information listed in sections 86.420 and 1051.230(c) of the CFR for both the vehicle covered by the EPA certificate and the vehicle that the company believes to be equivalent. An example of a comparison table can be found in Appendix D.

Please note that companies must submit equivalent vehicle submissions for each model year. If a company continues equivalent vehicle submissions for subsequent model years, please ensure that this information is submitted to the Minister before importation, sale or the NEM is applied.

2.3 Canada-Unique Vehicle – section 36

In general, the term “Canada-unique” refers to a vehicle that is neither covered by an EPA certificate nor equivalent to a vehicle covered by an EPA certificate. However, a company may choose to provide evidence of conformity under section 36 of the ORVEER regardless of the existence of an EPA certificate, concurrent sales or a NEM. Using this option, the company chooses to conform to the standards set out in sections 11 and 17 of the ORVEER, rather than those listed on the EPA certificate.

For the purpose of paragraph 153(1)(b) of the CEPA, section 36 of the ORVEER requires evidence of conformity for a Canada-unique vehicle to be obtained and produced “in a form and manner satisfactory to the Minister.”

Since the Regulations are aligned with those of the United States, the general intent is to enable companies to establish compliance by submitting information similar to that which is provided to obtain

an EPA certificate and required under paragraph 35(1)(c) of the ORVEER. The following sections summarize the evidence of conformity that shall be obtained and produced “in a form and manner satisfactory to the Minister,” as per section 36 of the ORVEER.

It should be noted that the standards that are applicable to a Canada-Unique vehicle are the standards found in sections 11 and 17 of the ORVEER which reference section 410 of Title 40, chapter I, subchapter C, part 86, subpart E of the CFR. As per section 1(2) of the ORVEER, the standards that are incorporated by reference in the ORVEER from the CFR are those expressly set out in the CFR and shall be read as excluding:

- References to the EPA or the Administrator of the EPA exercising discretion;
- Alternative standards related to fleet averages, other averages, emission credits, small volume manufacturers, or financial hardship; and
- Standards or evidence of conformity of any authority other than the EPA or CARB.

If a company chooses to rely on section 36 of the ORVEER to comply with the evidence of conformity for a Canada-Unique vehicle, the following information must be maintained and is required to be submitted under section 36 of the ORVEER, prior to importation or before affixing the NEM:

- a) Statement of Compliance Letter (see section 2.3.1 of this document);
- b) Technical information (see section 2.3.2 of this document); and
- c) A sample drawing or copy of the Vehicle Emission Control Information (VECI) label that will be affixed to the vehicle (see section 2.3.3 of this document).

Please note that companies must submit Canada-unique submissions for each model year. If a company continues Canada-unique submissions for subsequent model years, please ensure that this information is submitted to the Minister before importation, sale or applying the NEM.

If a company intends to make any changes to a vehicle for which a Canada-unique submission has been filed, such that the altered vehicle is no longer identical to the initial submission, the Minister should be notified. Furthermore, if there exists a possibility these changes could be expected to alter vehicle emissions and/or the description of the models covered within the engine family, permeation family, the Minister should be notified. Companies should submit an amendment to the Canada-unique submission which provides a description and explanation for any proposed running changes along with sufficient evidence that the vehicles covered by the Canada-unique submission will comply with the applicable standards after the changes are applied.

2.3.1 Statement of Compliance Letter

A submission of evidence of conformity under section 36 or subsection 35(1.1) of the ORVEER must contain an original signed letter from an authorized representative of the company. An example of a statement of compliance letter is provided in Appendix E.

The letter must include, as a minimum, the following items:

- Name and address of the company;
- The identification of the vehicle (e.g. model year, make, model, engine family, permeation family, evaporative family, vehicle class);
- The applicable exhaust and permeation emission standards, family emission limits and useful life;

- Estimated projected sales in Canada for the engine family, permeation family;
- An unconditional statement of compliance with all the applicable standards and requirements of the *On-Road Vehicle and Engine Emission Regulations* made under the *Canadian Environmental Protection Act, 1999*;
- A statement that the vehicles are manufactured to the same specifications as those set out in the evidence of conformity;
- A statement acknowledging that the signatory is authorized to act on behalf of the company; and
- A request for an acknowledgment by Environment and Climate Change Canada that the evidence of conformity submitted has been obtained and produced in a form and manner satisfactory to the Minister.

The following additional information may be included:

- The identity of persons/entities (both inside or outside of the company) that may be contacted regarding the submission (e.g. technical contacts for importers);
- Indicate if the information being submitted is a direct carry-over (i.e. identical) to a submission that was received and acknowledged by the Minister the previous year;
- Indicate whether some information is to be treated as confidential; and
- Any other information believed to be relevant.

2.3.2 Technical Information

The technical information required is similar to that found in an EPA application for certification. It is based on information that is submitted to the EPA for the purpose of certification as defined in Title 40, chapter I, subchapter C, part 86, subpart E, of the CFR. It should be noted that this list may change from time to time to respond to new technology, evolving testing and information requirements for different types of vehicles, and to stay aligned with the EPA’s requirements in the United States. The current list of technical information that is required can be found in Appendix F. To demonstrate compliance with the applicable standards, the test results provided in the evidence of conformity must be obtained using the test procedures and calculation methods identified Title 40, Part 86, subparts E and F

2.3.3 Vehicle Emission Control Information (VECI) label

A sample drawing or copy of the Vehicle Emission Control Information (VECI) label must be included in the submission of evidence of conformity. The information contained on the label is similar to that listed in section 413 of Title 40, chapter I, subchapter C, part 86, subpart E, of the CFR, excluding the EPA compliance statement. The technical information presented on the VECI label can be provided in English but the compliance statement, required if the vehicle is not affixed with the NEM, must be provided in English and in French. Additional details and requirements, including an example of a VECI label can be found in Appendix G. Requirements for the naming of engine family, permeation family, are included in Appendix H.

3.0 Battery Powered Fully Electric Motorcycles

Battery powered fully electric motorcycles that meet the definitions of a “motorcycle” and “on-road vehicle” as defined in section 1(1) of the ORVEER are subject to the Regulations. While a battery

powered electric motorcycle does not emit any combustion products, there are other administrative requirements that still apply (i.e. evidence of conformity, import declarations, end of model year reports, etc.).

The type of submission for a fully electric motorcycle is determined using the same criteria as an internal combustion engine motorcycle previously described in section 2.0 of this document. If a fully electric motorcycle is a Canada-unique vehicle, the evidence of conformity consists of the same items described in section 2.3 of this document. However, these items have been modified to reflect the requirements for battery powered fully electric motorcycles.

An example of a Statement of Compliance Letter is provided in Appendix H.

The list of technical information that is required can be found in Appendix I.

An example of a VECI label, along with additional details and requirements can be found in Appendix J.

4.0 Incomplete Motorcycles

A company may import an incomplete vehicle under subsection 153(2) of the CEPA, provided that it submits a declaration prior to importation, as per section 42 of the ORVEER and the requirements of subsection 153(1) of the CEPA are satisfied before the vehicle leaves the possession or control of the company and before the vehicle is presented for registration under the laws of a province or an aboriginal government, or before affixing a NEM.

An incomplete vehicle is one which, at the time of importation requires additional assembly as per the manufacturer's instruction. These vehicles must, when completed in accordance with instructions and specifications provided by the manufacturer, conform to the standards prescribed under the ORVEER or the EPA certificate used to demonstrate conformity. In addition, all other regulatory requirements apply to incomplete vehicles.

The options for submitting evidence of conformity for an incomplete vehicle are the same as those listed in Table 1 (see section 2.0 of this document). Any information which is required to be submitted prior to importation must instead be submitted before the vehicle leaves the possession or control of the company and before the vehicle is presented for registration under the laws of a province or an aboriginal government, or before affixing a NEM.

Should a company choose to rely on an EPA certificate of conformity to demonstrate compliance when importing an incomplete vehicle, any alterations made by the company to the vehicle must not cause the completed vehicle to deviate from the specifications listed in the evidence of conformity which support that EPA certificate.

5.0 Using an EPA Motorcycle Engine Certification

In the United States it is possible for an engine built by an independent engine manufacturer to be certified by the EPA for installation in a motorcycle chassis manufactured or assembled by another company. This process uses a chassis-based certification test procedure for the engine. The engine manufacturer must install and test the engine in a motorcycle chassis, in the configuration most likely to

have the highest emissions. This “worst-case” engine certification process is described in the EPA guidance letter C1SD-06-15, provided in Appendix K.

In Canada, it is possible for a company to import an EPA certified engine for installation into a motorcycle chassis when the final assembly will be completed in Canada. A company may also import a motorcycle using an EPA certificate from an independent engine manufacturer for which final assembly of the motorcycle was completed outside of Canada (including the United States). Both of these scenarios could result in using the equivalent vehicle provision of the ORVEER to satisfy the evidence of conformity requirements (see section 2.2 of this document), because the Canadian model name may not be specifically listed on the EPA certificate. If relying on the equivalent vehicle provision, the Canadian company must have a copy of the EPA certificate issued to the independent engine manufacturer and all the supporting documentation. Alternatively, if a company does not want to rely on engine manufacturer data and EPA certificate, they can do their own testing and submit the information required in section 2.3 of this document for a Canada-unique motorcycle.

In order to demonstrate compliance with the ORVEER, the Canadian company must follow the requirements outlined in the EPA guidance letter, as applicable, and must ensure that the motorcycle is assembled according to the specifications provided by the engine manufacturer are satisfied. The motorcycle is assessed against the applicable standards for the model year of the completed motorcycle, regardless of the model year of the engine. Once assembly of the motorcycle is completed, it is subject to all the requirements of the CEPA and the ORVEER. In addition, the NEM must be affixed to the motorcycle if the motorcycle will be transported between provinces and/or territories within Canada. Before affixing the NEM, the company must obtain the authorization of the Minister. For more information on the NEM, please contact Environment and Climate Change Canada’s Transportation Division. Contact information can be found in section 6.6 of this document.

If a company chooses to rely on the equivalent vehicle provision of the ORVEER to comply with the evidence of conformity requirements for an equivalent motorcycle, the following information must be maintained and is required to be submitted under section 35.1 of the ORVEER, before the motorcycle leaves the possession or control of the company and before the motorcycle is presented for registration under the laws of a province or an aboriginal government, or before affixing the NEM:

- a) All information listed in section 2.2 of this document, including;
 - i) Installation instructions received with the certified engine; and
 - ii) The engine manufacturer’s technical specifications which must be satisfied for the completed motorcycle to be considered covered by the EPA certificate, along with the corresponding values, as determined by the company, of the completed motorcycle that will be imported or offered for sale in Canada. This information should be provided in a table comparing the engine manufacturer’s specifications along with the corresponding values.

6.0 Administrative Information

It is each company’s responsibility to ensure compliance with all applicable sections of the ORVEER. In addition to the evidence of conformity, there are other regulatory obligations covered under the ORVEER. For further information regarding other administrative requirements, such as submitting Importation Declarations and End of Model Year Reports, or for general inquiries, please contact Environment and Climate Change Canada’s Transportation Division. Contact information can be found in section 6.6.

6.1 Maintenance of Records

Regardless of the type of submission for evidence of conformity, a company is responsible for obtaining these records prior to import, or if it is relying on section 153(2) of CEPA, prior to the vehicle leaving the possession or control of the company³, before affixing a NEM. Additionally, these records must be maintained after import, as per paragraph 153(1)(g) of the CEPA, in accordance with section 38 of the ORVEER. Evidence of conformity must be maintained by a company for a period of at least six years after the date of manufacture. As required by paragraphs 35(1)(c) and 35.1(1)(c) of the ORVEER, the maintenance of records includes:

- A copy of the records submitted to the EPA in support of the application for the EPA certificate;
- Any application for amendment to that EPA certificate; and
- Any records submitted to the EPA to maintain that EPA certificate.

Alternatively, if this information is maintained on behalf of a company, the company must keep a record of where the evidence of conformity is located and who is responsible for this information. A company must maintain the required documents for each model year.

If the Minister makes a written request for the evidence of conformity, a company must provide this information, under subsection 38(3) of the ORVEER, in either official language, within 40 days, or 60 days if the information must be translated from a language other than English or French.

6.2 Suspension/Revocation of an EPA certificate

If an EPA certificate referred to in section 19 or 19.1 of the ORVEER is suspended or revoked, any company that used that certificate to meet evidence of conformity requirements, is required to submit information to the Minister within 60 days after the day on which the certificate is suspended or revoked in accordance with section 38.1 of the ORVEER. Contact information can be found in section 6.6.

6.3 Who should submit evidence of conformity

Each company that either imports or that affixes a National Emissions Mark is responsible for maintaining and submitting the evidence of conformity as required in subsection 153(1) of the CEPA and in accordance with sections 35, 35.1, 36 and 38 of the ORVEER, as described in this document.

The intent of the ORVEER is that companies have access to evidence of conformity, to be in a position to ensure that the products they import or manufacture are identical in all material respects to the evidence of conformity documentation and the vehicle that was used to obtain the test results.

6.4 How to submit evidence of conformity

It is recommended that the submission for evidence of conformity be provided electronically and must be in PDF or Microsoft Word format. The information can be provided in either English or French. Please use a descriptive subject line, such as “Evidence of conformity – [*model year, make, model, company*”

³ Refer to section 42 of the ORVEER for more information

name].” The electronic documentation should be sent to ec.verifications-des-emissions-emissions-verification.ec@canada.ca.

Environment and Climate Change Canada’s email message size limit is 20 megabytes. If the submission exceeds this limit, it is recommended that the submission be separated into parts and sent in multiple emails. Alternatively, the submission can be provided on a CD/DVD or USB stick and sent by courier to:

Vehicle and Engine Testing and Emission Verification
Transportation Division
Energy and Transportation Directorate
Environmental Protection Branch
Environment and Climate Change Canada
335 River Road South
Ottawa, Ontario, K1V 1C7

When a company submits information for an engine family, permeation family for which an identical submission was received and acknowledged by the Minister the previous year, the company should notify the Minister that the submission is a direct carry-over to facilitate the process.

In cases where a company is providing submissions for more than one engine family, permeation family, it would be helpful if it stated the order in which it would prefer the Minister to process them.

6.4.1 Confidential information

When a company submits evidence of conformity to the Minister, the company is responsible for identifying which information in the submission is confidential. That information will be dealt with in accordance with the law. This includes but is not necessarily limited to the Access to Information Act which is available at: <http://laws-lois.justice.gc.ca/eng/acts/A-1/index.html> and the Privacy Act that is available at: <http://laws-lois.justice.gc.ca/eng/acts/P-21/index.html>.

6.5 Response from Environment and Climate Change Canada

An acknowledgement will be sent to the company who submitted the evidence of conformity once a review has been completed and the information is considered to be “in a form and manner satisfactory to the Minister.” This acknowledgement does not relieve the company of the obligation to comply with all applicable requirements under the CEPA and the ORVEER.

Environment and Climate Change Canada will strive to respond to submissions according to the timelines shown in the table below, but incomplete submissions may cause delays beyond the time given in the table. When information is found to be missing the wait time to receive additional information will be added to the processing time listed below.

Table 2: Processing times for evidence of conformity

Type of Submission	Processing Times ⁴
35(1) Covered & sold concurrently	Confirmation of receipt of submission: 15 calendar days after date of reception
35(1) Covered & NEM	Confirmation of receipt of submission: 15 calendar days after date of reception
35(1.1) Covered	Confirmation of receipt of submission: 15 calendar days after date of reception
35.1 Equivalent	Satisfactory to minister letter: 30 calendar days after date of reception
36 Canada-unique	Confirmation of receipt of submission: 15 calendar days after date of reception Satisfactory to Minister letter: 60 calendar days after date of reception

6.6 Contact information

For any questions or inquiries related to the evidence of conformity, please contact the Vehicle and Engine Testing and Emission Verification Section, of Environment and Climate Change Canada's Transportation Division.

Email: ec.verifications-des-emissions-emissions-verification.ec@canada.ca

In addition to the evidence of conformity, there are other regulatory obligations covered under the ORVEER. For any other regulatory inquiries or further information regarding other administrative requirements, such as Importation Declarations and End of Model Year Reports, please contact Environment and Climate Change Canada's Transportation Division.

Email: ec.infovehiculeetmoteur-vehiculeandengineinfo.ec@canada.ca

⁴ Missing information will increase the processing by the amount of time taken to complete the missing information

7.0 References

Below is a list of references relevant to evidence of conformity that are discussed in this document.

Canadian Environmental Protection Act, 1999:

<http://laws-lois.justice.gc.ca/eng/acts/C-15.31/index.html>

On-Road Vehicle and Engine Emission Regulations:

<http://laws-lois.justice.gc.ca/eng/regulations/SOR-2003-2/index.html>




Environment and Climate Change Canada's CEPA Environmental Registry:

<http://www.ec.gc.ca/lcpe-cepa/default.asp?lang=En&n=D44ED61E-1>

United States Code of Federal Regulations, Title 40:

http://www.ecfr.gov/cgi-bin/text-idx?SID=4e9f7c1f87d7edf83f8c6fe353ba4f8a&tpl=/ecfrbrowse/Title40/40tab_02.tpl

Appendix A- Example of an EPA certificate

 UNITED STATES ENVIRONMENTAL PROTECTION AGENCY 2009 MODEL YEAR CERTIFICATE OF CONFORMITY WITH THE CLEAN AIR ACT OF 1990		OFFICE OF TRANSPORTATION AND AIR QUALITY ANN ARBOR, MICHIGAN 48105	
Certificate Issued To: Certificate Number:	Effective Date: Expiration Date:	 Karl J. Simon, Director Compliance and Innovative Strategies Division	Issue Date: Revision Date:
Engine Family Name: Permeation Family Name(s): Evaporative Family Name: Exhaust Emission Test Procedure: Exhaust Emission Standards: HC: CO: HC+NOx FUEL: Permeation Emission Standards (grams/m³/day): Fuel Tank: Fuel Hose:	Vehicle/Engine Category: Fuel Type: Engine Type: Engine Displacement(s) Covered (in cubic centimeter): Key Emission-Related Components: Pull Useful Life: Sales Area(s): Models Covered:		
<p>Pursuant to section 206 of the Clean Air Act (42 U.S.C. Section 7525) and 40 CFR Part 86, and subject to the terms and conditions prescribed in those provisions, this certificate of conformity is hereby issued with respect to test vehicles which have been found to conform to the applicable requirements of 40 CFR Part 86 and which represent the motor vehicle models listed above by Engine Family and Evaporative Family or equipment, more fully described in the manufacturer/importer's application for certification. Vehicles covered by this certificate have demonstrated compliance with the applicable emission standards, as more fully described in the manufacturer/importer's application. This certificate covers the above models, which are designed to meet the applicable emission standards specified in 40 CFR Part 86 as specified in the manufacturer/importer's application.</p> <p>It is a term of this certificate that the manufacturer shall consent to all inspections in 40 CFR 86.441 and authorized in a warrant or court order. It is also a term of this certificate that this certificate may be revoked, suspended, or rendered void <i>ab initio</i> for failing to comply with the requirements of such a warrant or court order, or for other reasons specified in the provisions of 40 CFR part 86, including the provisions of 40 CFR 86.442.</p> <p>This certificate covers only those vehicles which conform, in all material respects, to the design specifications that applied to those vehicles described in the documentation required by 40 CFR Part 86 and are produced during the model year production period stated on the certificate as defined in 40 CFR Part 86. The manufacturer/importer shall obtain the approval of the California Air Resources Board (in the form of an executive order issued by the California Air Resources Board) prior to introducing any vehicle covered by this certificate into commerce (1) in the State of California, or (2) in a State that, under the authority of Section 177 of the Clean Air Act, has adopted and placed into effect the California standards to which this engine family has been certified. This Certificate does not cover vehicles sold, offered for sale, introduced, or delivered for introduction into commerce in the U.S. prior to the effective date of the certificate.</p>			

Appendix B – Example of a statement that the NEM is affixed

[Company Name]

[Insert Date]

Director, Transportation Division
Energy and Transportation Directorate
Environmental Protection Branch
Environment and Climate Change Canada
351 St. Joseph Blvd.
Gatineau, Québec, K1A 0H3

Subject: Declaration that the motorcycles covered by the EPA certificate bears the NEM for
20XX model year [*motorcycle make and model*]
(Engine Family: [*engine family name*], Permeation Family: [*permeation family name*])

Dear Director:

[Company name] has been authorized by Environment and Climate Change Canada to apply the National Emissions Mark (NEM) to their on-road motorcycles, as per section 151 of the CEPA and section 8 of the ORVEER. The authorization number assigned by the Minister to [Company name] is [*authorization number*].

[Company Name] attests that all motorcycles in the above referenced engine family, manufactured in, or imported into Canada, have the NEM affixed.

As the signatory of this letter, I, [*name*], certify that I am authorized to act on behalf of [*company name*] concerning the 20XX [*motorcycle model*]. Should you have any questions in regard to the information provided, please contact [*name, position and company name*].

[Signature]

[Name]

[Title/Position]

[Contact Information]

Appendix C – Example of a Statement of Compliance Letter (Equivalent)

[Company Name]

[Insert Date]

Director, Transportation Division
Energy and Transportation Directorate
Environmental Protection Branch
Environment and Climate Change Canada
351 St. Joseph Blvd.
Gatineau, Québec, K1A 0H3

Subject: Submission of evidence of conformity pursuant to the On-Road Vehicle and Engine Emission Regulations for 20XX model year [*motorcycle make and model*]
(Engine Family: [*engine family name*], Permeation Family: [*permeation family name*])

Dear Director:

[Company Name] intends to sell a 20XX model year [*motorcycle make and model*], in Canada. Evidence of conformity is being submitted as per section 35.1 of the ORVEER. The subject motorcycle model is not covered by a certificate of conformity issued by the U.S. Environmental Protection Agency, but it may be considered equivalent to a motorcycle listed on a valid EPA certificate, as per section 19.1 of the ORVEER.

Standards to which the motorcycle conforms:

Exhaust Emission Standards	Permeation Emission Standards
CO: HC: HC+NOx [<i>FEL</i>]:	Fuel Tank: Fuel Hose:

The equivalent motorcycle has the same emission control features as the motorcycle tested to obtain the EPA certificate and has no features that could cause it to have a higher level of emissions than that certified motorcycle.

[Company Name]'s estimated Canadian sales is [*number of motorcycles*] motorcycles for this engine family and model year.

[Company Name] attests that all motorcycles of this engine family comply with all applicable standards set out in the *On-Road Vehicle and Engine Emission Regulations* made under the *Canadian Environmental Protection Act, 1999*. Attached, please find [*company name*]'s evidence of such conformity, including a detailed description of the subject motorcycles. [Company Name] also attests that the motorcycles of this engine family are manufactured to the same specifications as those set out in the evidence of conformity and will be affixed with an appropriate vehicle emission control information label.

[*Company Name*] requests that Environment and Climate Change Canada acknowledge that the attached evidence of conformity has been obtained and produced in a form and manner satisfactory to the Minister.

As the signatory of this letter, I, [*name*], certify that I am authorized to act on behalf of [*company name*] concerning the 20XX [*motorcycle model*]. Should you have any questions in regard to the information provided, please contact [*name, position and company name*].

[*Parts (as listed)*] of the information supplied in this package is confidential.

[*Signature*]

[*Name*]

[*Title/Position*]

[*Contact Information*]

Encl.

Appendix D – Example of a Comparison Table for Equivalent Motorcycles

The following table is an example of the information required to demonstrate that a motorcycle could be equivalent to a model that is specifically listed on an EPA certificate.

Comparison Table for Equivalent Motorcycles		
	EPA certificate Model	Canadian Model
Make		
Model		
Body Style		
EPA certificate number		N/A
Engine Family		
Permeation Family		
Engine Family Criteria		
1. Combustion cycle		
2. Cooling mechanism		
3. Cylinder configuration		
4. Number of cylinders		
5. Engine displacement class		
6. Method of air aspiration		
7. Number of catalytic converters		
8. Location of catalytic converter(s)		
9. Volume of catalytic converter(s)		
10. Composition of catalytic converter(s)		
11. Bore / Stroke		
12. Combustion chamber configuration		
13. Fuel system		
14. Emission control system		
15. Fuel type and grade		
Permeation Family Criteria		
Fuel Tank		
1. Certified by Design? (Yes / No)		
2. Type of Material		
3. Emission Control Strategy		
4. Production Method*		
Fuel Lines		
1. Certified by Design? (Yes / No)		
2. Type of Material		
3. Emission Control Strategy		
4. Production Method*		
* This does not apply to differences in production methods that would not affect emission characteristics.		
Statements:		
The equivalent motorcycle described above has the same emission control features as the motorcycle tested to obtain the EPA certificate and has no features that could cause it to have a higher level of emissions than that certified motorcycle.		
Our Company has access to all records submitted to the EPA in support of the application for the issuance of the EPA certificate.		
Comments / Additional Information:		

Appendix E – Example of a Statement of Compliance Letter

[Company Name]

[Insert Date]

Director, Transportation Division
Energy and Transportation Directorate
Environmental Protection Branch
Environment and Climate Change Canada
351 St. Joseph Blvd.
Gatineau, Québec, K1A 0H3

Subject: Submission of evidence of conformity pursuant to the On-Road Vehicle and Engine Emission Regulations for 20XX model year [*motorcycle make and model*]
(Engine Family: [*engine family name*], Permeation Family: [*permeation family name*])

Dear Director:

[Company Name] intends to sell a 20XX model year [*motorcycle make and model*], in Canada. Evidence of conformity is being submitted as per [*subsection 35(1.1) OR section 36*] of the ORVEER. The subject motorcycle model [*is covered OR is not covered*] by a certificate of conformity issued by the U.S. Environmental Protection Agency.

Standards to which the motorcycle conforms:

Exhaust Emission Standards	Permeation Emission Standards
CO: HC: HC+NOx [FEL]:	Fuel Tank: Fuel Hose:

[Company Name]'s estimated Canadian sales is [*number of motorcycles*] motorcycles for this engine family and model year.

[Company Name] attests that all motorcycles of this engine family comply with all applicable standards set out in the *On-Road Vehicle and Engine Emission Regulations* made under the *Canadian Environmental Protection Act, 1999*. Attached, please find [*company name*]'s evidence of such conformity, including a detailed description of the subject motorcycles. [Company Name] also attests that the motorcycles of this engine family are manufactured to the same specifications as those set out in the evidence of conformity and will be affixed with an appropriate vehicle emission control information label.

[Company Name] requests that Environment and Climate Change Canada acknowledge that the attached evidence of conformity has been obtained and produced in a form and manner satisfactory to the Minister.

As the signatory of this letter, I, *[name]*, certify that I am authorized to act on behalf of *[company name]* concerning the 20XX *[motorcycle model]*. Should you have any questions in regard to the information provided, please contact *[name, position and company name]*.

[Parts (as listed)] of the information supplied in this package is confidential.

[Signature]

[Name]

[Title/Position]

[Contact Information]

Encl.

Appendix F – Technical Information Requirements

Heading	Requirements	Comments
Cover Page	Model year	<i>Identify the model year.</i>
	Make and model(s)	<i>Identify the make(s) and model(s) covered by the submission.</i>
	Engine family name	<i>Identify the engine family.</i>
	Permeation family name	<i>Identify the permeation family.</i>
	Engine displacement class	<i>Identify motorcycle class based on engine displacement, as per 40 CFR §86.419-2006.</i>
	Brief description of engine family	<i>Provide a brief description of the engine family (e.g. combustion cycle, engine displacement, fuel type, fuel delivery system, emission control systems, etc.).</i>
	Applicable standards	<i>Identify exhaust and permeation emission standards applicable to the engine family.</i>
	Applicable useful life	<i>Identify the useful life of the engine family, as per 40 CFR §86.402-98.</i>
	Company name	<i>Identify the company's name (See definition in section 149 of CEPA).</i>
Motorcycle manufacturer	<i>Identify the motorcycle's original equipment manufacturer name.</i>	
Section 1 – Correspondence and Communications	Identify person(s) both within and outside the company authorized to be in contact with staff from the Transportation Division of Environment and Climate Change Canada and who may be contact with regard to the submission. Identify areas of responsibility for each person listed, if applicable.	
	Name of company	<i>Provide the company's name.</i>
	Address of company	<i>Provide the company's postal address.</i>
	Canadian Business Number	<i>Business number assigned to the company by the Minister of National Revenue or a provincial registry.</i>
	Company representative	<i>Provide the representative's name, including title/position.</i>

Heading	Requirements	Comments
	Representative address	<i>Provide the representative's postal address, if different than listed above.</i>
	Email address	<i>Provide the representative's email address.</i>
	Phone number	<i>Provide the representative's phone number.</i>
Section 2 – Statements	Statement of confidentiality Advise whether or not the submission is confidential, either in its entirety or specific sections	<i>Provide a statement.</i>
	Statement of compliance Provide an unconditional statement of compliance from the submitting company	<i>e.g. [Company Name] attests that all motorcycles of this engine family comply with all applicable standards set out in the On-Road Vehicle and Engine Emission Regulations made under the Canadian Environmental Protection Act, 1999.</i>
	Production Motorcycles Provide a statement that motorcycles within the engine family are identical	<i>e.g. All production motorcycles are identical in all material aspects with respect to the motorcycle(s) described in this submission.</i>
	Crankcase emissions Provide a statement that the motorcycles within the engine family do not release any crankcase emissions, as per section 17 of the ORVEER	<i>e.g. The engine is equipped with a closed crankcase system to prevent discharging crankcase emissions into the atmosphere. Crankcase emissions are returned to the combustion chamber via a breather tube and air intake.</i>
	VECI label Provide a statement that a VECI label is affixed to each motorcycle, as per the requirements	<i>e.g. The vehicle emission control information label is affixed to each production motorcycle and affixed permanently, unless destroyed or defaced, in a readily accessible position.</i>
	Name of motorcycle manufacturer	<i>Identify the name of the motorcycle manufacturer.</i>

Heading	Requirements	Comments
Section 3 – Engine Family Information	Country of motorcycle manufacturer	<i>Identify the name of the country where the motorcycle manufacturer is located.</i>
	Engine family name	<i>Provide the name of the engine family. Motorcycles can be grouped based on 40 CFR §86.420-78.</i>
	Application type	<i>Specify the type of application for this Engine Family: New - first application; C/O - carry-over an identical engine family that was certified in previous model year by the same company; RC - running change.</i>
	Useful life	<i>Identify the useful life of the engine family, in years and kilometers, as per 40 CFR §86.402-98.</i>
	Combustion cycle	<i>e.g. Otto Cycle - 4 stroke, etc.</i>
	Cylinder head configuration	<i>Specify the cylinder head configuration (e.g. OHV/OHC, etc.).</i>
	Cylinder arrangement	<i>Specify the cylinder arrangement (e.g. V, I, opposed, etc.).</i>
	Number of cylinders	<i>Specify the number of cylinders.</i>
	Valves per cylinder	<i>Specify the number of valves (intake and exhaust) per cylinder.</i>
	Bore / Stroke	<i>Specify the bore and stroke in millimeters (mm).</i>
	Compression ratio	<i>Specify the compression ratio.</i>
	Does this engine family contain multiple displacements?	<i>Yes or No.</i>
	Engine displacement(s)	<i>Specify the engine displacement(s), in cubic centimeters (cc).</i>
	Engine displacement class	<i>Identify motorcycle class based on engine displacement, as per 40 CFR §86.419-2006.</i>
Method of air aspiration	<i>Specify the method of air aspiration (e.g. natural, turbocharged, etc.).</i>	

Heading	Requirements	Comments
	Method of engine cooling	<i>Specify the type of engine cooling (e.g. Liquid, Air, etc.).</i>
	Type of fuel system	<i>Specify the engine fuel system (e.g. sequential multiport fuel injection, carbureted, etc.).</i>
	Number of carburetors / Number of fuel injectors	<i>Specify the number of carburetors or fuel injectors.</i>
	Idle speed	<i>Specify the engine idle speed.</i>
	Fuel type & grade	<i>Specify minimum fuel type (e.g. gasoline, ethanol, diesel, etc.) and grade (e.g. 91 AKI, etc.).</i>
Exhaust emission control system		
	Exhaust emission control system ID	<i>Identify the exhaust emission control system ID for the group of items below (e.g. ECS1, ECS2, etc.).</i>
	Is this engine family equipped with a catalytic converter?	<i>Yes or No.</i>
	Number of catalytic converters	<i>Specify the number of catalytic converters for this engine family.</i>
	Location of catalytic converter(s)	<i>Specify the location of the catalytic converter(s) (e.g. exhaust pipe, muffler, etc.).</i>
	Type of catalytic converter(s)	<i>Specify the type of catalytic converter (e.g. TWC, etc.).</i>
	Catalytic converter arrangement	<i>Specify the catalytic converter arrangement (e.g. single, series, parallel, etc.).</i>
	Catalytic converter substrate configuration	<i>Specify the substrate configuration of the catalytic converter (e.g. honeycomb, etc.).</i>
	Catalytic converter substrate composition	<i>Specify the substrate composition of the catalytic converter (e.g. ceramic, metallic, etc.) and the active material ratio (e.g. Pt:Rh, 14:1, etc.).</i>
	Is this engine family equipped with air/fuel feedback sensors?	<i>Yes or No.</i>
	Type of feedback sensor(s)	<i>Specify the type of sensor(s) used (e.g. oxygen sensor, etc.).</i>
	Number of feedback sensors	<i>Specify the number of feedback sensors used.</i>

Heading	Requirements	Comments
	Configuration of feedback sensor(s)	<i>Specify the configuration of feedback sensors (e.g. single, parallel, etc.).</i>
	Is this engine family equipped with an air injection system?	<i>Yes or No.</i>
	Method of air injection	<i>Specify the method of air injection (e.g. pulsed air injection reaction (PAIR), etc.).</i>
	Brief description of emission control system	<i>Provide a brief description of the emission control system (e.g. fuel delivery system, type of catalytic converter(s), type of feedback sensor(s), etc.).</i>
	Adjustable parameters	<i>Identify any adjustable parameter(s), their adjustable range, recommended setting, tamper resistance, and provide a detailed explanation. If there are no adjustable parameters, provide a statement.</i>
	Auxiliary Emission Control Device(s)	<i>List all AECDs in the emission control system, along with a description of each device.</i>
Section 4 – Exhaust Emissions Test Data	Provide the following information for all Emission Data Vehicles (EDVs)	
	EDV ID	<i>Identify the EDV (e.g. VIN, etc.).</i>
	Is carry-over engine family test data being used?	<i>Yes or No. If Yes, identify the engine family.</i>
	Engine code	<i>Specify the EDV engine code.</i>
	Model name	<i>Specify the EDV model name.</i>
	Cylinder arrangement	<i>Specify the EDV cylinder arrangement (e.g. V, I, opposed, etc.).</i>
	Number of cylinders	<i>Specify the EDV number of cylinders.</i>
	Engine displacement	<i>Specify the EDV engine displacement(s), in cubic centimeters (cc).</i>
	Max. rated power (@ RPM)	<i>Specify the EDV maximum rated power for the EDV, including units and RPM.</i>
Exhaust emission control system ID	<i>Specify the EDV exhaust emission control system ID.</i>	

Heading	Requirements	Comments
	Transmission	<i>Specify the EDV type of transmission.</i>
	Number of gears	<i>Specify the EDV number of gears.</i>
	N/V Ratio	<i>Specify the EDV engine speed to vehicle speed ratio.</i>
	Tire Pressure	<i>Specify the EDV tire pressure, in pounds per square inch (psi).</i>
	Curb mass	<i>Specify the EDV curb mass, in kilograms (kg).</i>
	Equivalent Inertia Mass (EIM)	<i>Specify the EDV EIM, in kilograms (kg), as per 40 CFR §86.529-98.</i>
	Force coefficients	<i>Specify the dynamometer force coefficients, as per 40 CFR §86.529-98.</i>
	Road load force	<i>Specify the EDV road load force, in Newtons (N), as per 40 CFR §86.529-98.</i>
	Shift speeds	<i>Specify the shift speeds used for testing, in kilometers per hour (km/h), as per the owner's manual or as per 40 CFR §86.528-78 (h).</i>
	Worst-case model	<i>Provide a statement that the worst case model (i.e. model in a configuration expected to produce highest emissions) has been tested, based on good engineering judgment. This includes the heaviest curb mass, with fluids at maximum capacity and all accessories installed.</i>
	Scheduled maintenance	<i>List any maintenance performed during service accumulation.</i>
	Special test instructions	<i>Specify whether any special instructions apply.</i>
	Test lab information	<i>Provide the name, postal address of the test lab used, along with the phone number and email address of a representative.</i>

Heading	Requirements	Comments
	Provide the following information for all emission tests. Use test procedures and calculation methods as per 40 CFR Part 86 Subpart F.	
	Test date	<i>Specify the date, in dd/mm/yyyy format.</i>
	Test identification number	<i>Identify the test.</i>
	Test fuel	<i>Specify the test fuel used (e.g. Tier 2 cert fuel (see CFR §86.513), etc.).</i>
	Test distance	<i>Specify the test distance, in kilometers (km). Conduct tests as per 40 CFR §86.427-78.</i>
	Coastdown times	<i>Specify the coastdown times obtained prior to test. Coastdown times must be within the tolerances specified in 40 CFR §86.529-98.</i>
	Exhaust emission test results	<i>Specify test results for HC, NOx, HC+NOx, CO and CO₂, in grams per kilometer (g/km). Provide test lab report.</i>
Compliance with applicable standards		
	Exhaust emission standards	<i>Specify the applicable exhaust emission standards for HC, NOx, HC+NOx and CO, in grams per kilometer (g/km), as per 40 CFR §86.410-2006.</i>
	Manufacturer certification values	<i>Specify the certification values for HC, NOx, HC+NOx and CO. Round these values for comparison to applicable standards, in grams per kilometer (g/km).</i>
	Interpolated values @ half of useful life	<i>Specify calculated values for HC, NOx, HC+NOx and CO, in grams per kilometer (g/km).</i>
	Extrapolated values @ end of useful life	<i>Specify calculated values for HC, NOx, HC+NOx and CO, in grams per kilometer (g/km).</i>
	Deterioration factors	<i>Specify DFs for HC, NOx, HC+NOx and CO as per 40 CFR §86.432-78. Specify if these values are additive or multiplicative.</i>

Heading	Requirements	Comments	
	End of useful life emission values	<i>Specify end of useful life emission values for HC, NOx, HC+NOx and CO (calculated by applying the DF to half useful life test results), in grams per kilometer (g/km).</i>	
Section 5 – Permeation Emissions Test Data	Permeation family name	<i>Provide the name of the permeation family. Motorcycles can be grouped based on 40 CFR §1051.230(c).</i>	
	Provide the following information for each fuel tank		
	Emission standard	<i>Specify the applicable standard for fuel tank permeation emissions, in grams per meter squared per day (g/m²/day), as per 40 CFR §86.410-2006 and 40 CFR §1051.110.</i>	
	Manufacturer certification value	<i>Specify the fuel tank certification value. Round this value for comparison to the applicable standard, in grams per meter squared per day (g/m²/day).</i>	
	Fuel tank manufacturer	<i>Specify the fuel tank manufacturer.</i>	
	Fuel tank volume	<i>Specify the volume of the fuel tank, in liters (L).</i>	
	Fuel tank internal surface area	<i>Specify the internal surface area of the fuel tank, in meters squared (m²).</i>	
	Permeation emissions certification method	<i>Design or Testing.</i>	
	Were alternative test procedures used?	<i>Yes or No. Describe the procedure, as per 40 CFR §1051.515 or EPA guidance letter CCD-05-14.</i>	
	Fuel tank compliance: certify-by-design option		
	Permeation emission certify-by-design control technology	<i>Select the applicable fuel tank permeation emission certify-by-design control technology, as per 40 CFR §1051.245.</i>	
	Fuel tank compliance: emission testing option		
	Is carry-over permeation family test data being used?	<i>Yes or No. If Yes, identify the permeation family.</i>	

Heading	Requirements	Comments
	Fuel tank material	<i>Specify the fuel tank material (e.g. plastic or metal).</i>
	Control strategy	<i>Specify the fuel tank control strategy (e.g. inherently low / zero permeation material, continuous multi-layer with permeation barrier, etc.).</i>
	Least thickness	<i>Specify the fuel tank smallest thickness, in millimeters (mm).</i>
	Fuel tank production method	<i>Specify the fuel tank production method (e.g. welded steel pressing, blow-molded, etc.).</i>
	Permeation emission test results	<i>Specify test results, in grams per meter squared per day (g/m²/day). Provide test lab report.</i>
	Deterioration factor	<i>Specify deterioration factor value and type, if applicable.</i>
	Test lab information	<i>Provide the name, postal address of the test lab used, along with the phone number and email address of a representative.</i>
Provide the following information for each fuel line		
	Emission standard	<i>Specify the applicable standard for fuel line permeation emissions, in grams per meter squared per day (g/m²/day), as per 40 CFR §86.410-2006 and 40 CFR §1051.110.</i>
	Manufacturer certification value	<i>Specify the fuel line certification value. Round this value for comparison to the applicable standard, in grams per meter squared per day (g/m²/day).</i>
	Fuel line manufacturer	<i>Specify the fuel line manufacturer.</i>
	Fuel line internal surface area	<i>Specify the internal surface area of the fuel line, in meters squared (m²).</i>
	Fuel line inner diameter	<i>Specify the inner diameter of the fuel line, in millimeters (mm).</i>
	Fuel line length	<i>Specify the length of the fuel line, in millimeters (mm).</i>

Heading	Requirements	Comments
	Permeation emissions certification method	<i>Design or Testing.</i>
	Fuel line compliance: certify-by-design option	
	Permeation emission certify-by-design control technology	<i>Select the applicable fuel line permeation emission certify-by-design control technology, as per 40 CFR §1051.245.</i>
	Fuel line compliance: emission testing option	
	Is carry-over permeation family test data being used?	<i>Yes or No. If Yes, identify the permeation family.</i>
	Fuel line material	<i>Specify the fuel line material (e.g. plastic, etc.).</i>
	Least thickness	<i>Specify the fuel line smallest thickness, in millimeters (mm).</i>
	Permeation emission test results	<i>Specify test results, in grams per meter squared per day (g/m²/day). Provide test lab report.</i>
	Deterioration factor	<i>Specify deterioration factor value and type, if applicable.</i>
	Test lab information	<i>Provide the name, postal address of the test lab used, along with the phone number and email address of a representative.</i>
Section 6 – Motorcycle Model Summary	Provide the following information for all models covered by this engine family	
	Motorcycle manufacturer	<i>Identify the motorcycle’s original equipment manufacturer name.</i>
	Model name	<i>Specify the model name.</i>
	Engine code	<i>Identify the engine code.</i>
	Engine displacement class	<i>Identify motorcycle class based on engine displacement, as per 40 CFR §86.419-2006.</i>
	Bore / Stroke	<i>Specify the bore and stroke, in millimeters (mm).</i>
	Engine displacement	<i>Specify the engine displacement, in cubic centimeters (cc).</i>
	Basic ignition timing	<i>Specify the ignition timing, BTDC.</i>

Heading	Requirements	Comments
	Max. rated power (@ RPM)	<i>Specify the maximum rated power for the model, including units and RPM.</i>
	Max. rated torque (@ RPM)	<i>Specify the maximum rated torque for the model, including units and RPM.</i>
	Exhaust emission control system ID	<i>Identify the exhaust emission control system ID (e.g. ECS1, ECS2, etc.).</i>
	Transmission	<i>Specify the type of transmission.</i>
	Number of gears	<i>Specify the number of gears.</i>
	Gear ratios	<i>Specify the gear ratios, including primary and final reductions.</i>
	N/V ratio	<i>Specify the engine speed to vehicle speed ratio.</i>
	Curb mass	<i>Specify the curb mass, in kilograms (kg).</i>
	Operating fuel type & grade	<i>Specify minimum fuel type (e.g. gasoline, ethanol, diesel, etc.) and grade (e.g. 91 AKI, etc.).</i>
	Permeation family name	<i>Specify the name of the permeation family.</i>
	Fuel tank volume	<i>Specify the volume of the fuel tank, in liters (L).</i>
	Tire information	<i>Specify the make, model, size and recommended pressure.</i>
	Predicted sales	<i>Provide an estimate of the predicted sales for this model.</i>
Section 7 – Emission Related Parts List	Emission related parts numbers	<i>Provide part number and description of any parts installed on the motorcycle relating to the emission control system. e.g. injectors, fuel pump, O2 sensors, spark plugs, catalyst, etc.</i>
Section 8 – Emission Related Maintenance Instructions	Maintenance instructions and schedule	<i>Provide a copy of the maintenance schedule for this Engine Family, as per section 38 of the ORVEER.</i>
Section 9 – Confidential Information	Contains all confidential information from other sections	<i>All confidential information contained in this section must be referenced by title in the</i>

Heading	Requirements	Comments
		<i>appropriate section with a note to see Section 9.</i>

Appendix G – VECI Label

A sample drawing or copy of the Vehicle Emission Control Information (VECI) label must be included in the submission of evidence of conformity for all motorcycles that are imported into, or manufactured in Canada and must contain the information provided in this section. The technical information presented on the VECI label should be in English and the compliance statement must be in English and French. The technical information required on the VECI label is consistent to that listed in section 35 of the ORVEER, which references section 413 of Title 40, chapter I, subchapter C, part 86, subpart E, of the CFR.

- a) A permanent, legible label should be affixed in a readily accessible location. Multi-part labels may be used;
- b) The label should be affixed in such a manner that it cannot be removed without destroying or defacing the label, and should not be affixed to any part which is easily detached from the vehicle or is likely to be replaced;
- c) The label should have lettering in block capitals and numerals and should be in a colour that contrasts with the background colour of the label;
- d) The label must contain the following information;
 - i) The label heading shall read: “Vehicle Emission Control Information”;
 - ii) Full corporate name and trademark of the motorcycle’s manufacturer (optionally, the name of the Canadian company may also be included);
 - iii) Engine displacement;
 - iv) Engine family, permeation family and, if applicable, the evaporative family;
 - v) Identification of the exhaust emission control system;
 - vi) Engine tune-up specifications and adjustments, as recommended by the manufacturer, including, if applicable: idle speed, ignition timing, and the idle air-fuel mixture setting procedure and value. These specifications shall indicate the proper transmission position during tune-up, and which accessories should be in operation and which systems should be disconnected during a tune-up;
 - vii) Minimum fuel octane requirement and engine lubricant requirements; and
 - viii) An unconditional statement of compliance: “THIS VEHICLE CONFORMS TO ALL APPLICABLE STANDARDS PRESCRIBED BY THE ON-ROAD VEHICLE AND ENGINE EMISSION REGULATIONS / CE VÉHICULE EST CONFORME À TOUTES LES NORMES QUI LUI SONT APPLICABLES EN VERTU DU RÈGLEMENT SUR LES ÉMISSIONS DES VÉHICULES ROUTIERS ET DE LEURS MOTEURS.”
(Optionally, the following FEL statement may also be included, if applicable: “...AND IS CERTIFIED TO AN HC+NOX EMISSION STANDARD OF [X.X] G/KM / ...ET EST CERTIFIÉ À LA NORME D’ÉMISSIONS DE HC+NOX DE [X.X] G/KM)
- e) Paragraphs (vi) and (vii) may be excluded if the information is in owner’s manual. In such circumstances, the following statement must be on the label “See owner’s manual for tune-up specifications and fuel / lubricant details”.

Note that if the NEM is affixed as per section 8 of the ORVEER, then the Canadian compliance statement may be omitted from the VECI label for an equivalent motorcycle or Canada-unique motorcycle. In that particular situation, the VECI label should also be affixed to provide the necessary technical information (engine family, permeation family, engine displacement, exhaust emission control system, etc.). If a company decides to keep the Canadian compliance statement, it must be located on the VECI label. It should be noted that the NEM is generally required for motorcycles that are manufactured in Canada. Before affixing the NEM, the company must obtain the authorization of the Minister. For more information on the NEM, please contact Environment and Climate Change Canada’s Transportation Division at ec.infovehiculeetmoteur-vehiculeandengineinfo.ec@canada.ca.

Note that the above requirements shall not prevent a company from also reciting on the label that such motorcycles of the engine family conform to any other applicable standards for new motorcycles or any other information that the company deems necessary for, or useful to, the proper operation and satisfactory maintenance of the motorcycle. Below is an example of an acceptable VECI label for an equivalent motorcycle or a Canada-unique motorcycle.

VEHICLE EMISSION CONTROL INFORMATION	
[Company Trademark]	[Company Name]
ENGINE FAMILY: [ΩΩΩΩC####ΩΩΩ]	
PERMEATION FAMILY: [ΩΩΩΩPαΩΩΩαΩΩ]	
EXHAUST EMISSION CONTROL SYSTEM:	
ENGINE DISPLACEMENT: [####] cc	
FUEL OR ENGINE LUBRICANT REQUIREMENTS:	
ENGINE TUNEUP SPECIFICATIONS AND ADJUSTMENTS:	
<p>*THIS VEHICLE CONFORMS TO ALL APPLICABLE STANDARDS PRESCRIBED BY THE ON-ROAD VEHICLE AND ENGINE EMISSION REGULATIONS / CE VÉHICULE EST CONFORME À TOUTES LES NORMES QUI LUI SONT APPLICABLES EN VERTU DU RÈGLEMENT SUR LES ÉMISSIONS DES VÉHICULES ROUTIERS ET DE LEURS MOTEURS</p>	

*If the NEM is affixed, the Canadian compliance statement is not required.

Where

α: are alpha fields

#: are numeric fields

Ω: are alphanumeric fields

Engine Family Name

The EPA guidance letter CISD-07-03 and CISD-15-19 outlines how to create an engine family name. Motorcycles are grouped into engine families based on expected similar emission characteristics, as described in section 420 of Title 40, chapter I, subchapter C, part 86, subpart E of the CFR.

Position	1	2	3	4	5	6	7	8	9	10	11	12
Code	Model Year	EPA or ECCC 3-character alphanumeric manufacturer code			C (Vehicle Category Code for On-Road Motorcycles)	Engine Displacement				Manufacturer's self-designated code for this engine family		

Position 1: Model Year Codes

Use the list below to select the appropriate model year code for the engine family.

- | | | | |
|----------|----------|----------|----------|
| 8 – 2008 | D – 2013 | J – 2018 | P – 2023 |
| 9 – 2009 | E – 2014 | K – 2019 | R – 2024 |
| A – 2010 | F – 2015 | L – 2020 | S – 2025 |
| B – 2011 | G – 2016 | M – 2021 | T – 2026 |
| C – 2012 | H – 2017 | N – 2022 | V – 2027 |

Positions 2-4: EPA 3-character alphanumeric manufacturer code

Insert the 3-character alphanumeric EPA manufacturer code assigned to your company. If your company does not have an assigned EPA manufacturer code, please contact Environment and Climate Change Canada’s Transportation Division at ec.infovehiculeetmoteur-vehiculeandengineinfo.ec@canada.ca.

Position 5: Industry Sector Codes

For on-road motorcycles, the industry sector code is “C” as per the EPA guidance letter CISD-07-03.

Positions 6-9: Engine Displacement

Insert the applicable engine displacement for each engine family. Engine displacement units may be in liters (##.# or .###) or cubic centimeters (#####). For dual or variable displacement families, enter the maximum displacement. If the displacement is given in liters, the decimal point counts as a digit.

Positions 10-12: Sequence Characters

Enter any combination of valid characters in positions 10 through 12 in order to provide a unique identification for an engine family name. At a minimum, the sequence characters, in combination with the other characters in the engine family name, must provide a unique identifier for each engine family name for a manufacturer for each model year. Further, it is recommended that numbers and letters be selected that minimize possible confusion. The sequence characters themselves could be used to represent other information such as the applicable EPA or California emission standards, however Environment and Climate Change Canada will treat these as simple sequence characters with no additional meaning.

Permeation Family Name

The EPA guidance letter CISD-07-03 and CISD-15-19 outlines how to create a permeation family name.

Position	1	2	3	4	5	6	7	8	9	10	11	12
Code	Model Year	EPA or ECCC 3-character alphanumeric manufacturer code			P (Permeation Category Code for On-Road Motorcycles)	Fuel tank material, control strategy, least thickness of tank wall or least weight percentage of barrier materials, production method					Manufacturer's self-designated code for this permeation family	

Position 1: Model Year Codes

Use the list below to select the appropriate model year code for the engine family.

- | | | | |
|----------|----------|----------|----------|
| 8 – 2008 | D – 2013 | J – 2018 | P – 2023 |
| 9 – 2009 | E – 2014 | K – 2019 | R – 2024 |
| A – 2010 | F – 2015 | L – 2020 | S – 2025 |
| B – 2011 | G – 2016 | M – 2021 | T – 2026 |
| C – 2012 | H – 2017 | N – 2022 | V – 2027 |

Positions 2-4: EPA 3-character alphanumeric manufacturer code

Insert the 3-character alphanumeric EPA manufacturer code assigned to your company. If your company does not have an assigned EPA manufacturer code, please contact Environment and Climate Change Canada’s Transportation Division at ec.infovehiculeetmoteur-vehiculeandengineinfo.ec@canada.ca.

Position 5: Industry Sector Codes

For on-road motorcycles, the industry sector code is “P” as per the EPA guidance letter CISD-07-03.

Positions 6-10: For Metal Fuel Tanks Only

METAL – Metal fuel tank

If this permeation family has a metal fuel tank, insert “METAL” into positions 6 through 10 of the permeation family name and proceed to position 11 of the permeation family naming convention. If the fuel tank is any other material than metal, proceed to the description of position 6 below.

Position 6: Fuel Tank Material Type (for all materials except for metal)

- P – Plastic
- F – Fiberglass

Position 7: Fuel Tank Evaporative / Permeation Emission Control Strategy (for all materials except for metal)

- 0 – No Barrier
- 1 – Inherently Low / Zero Permeation Material
- 2 – Continuous multi-Layer with Permeation Barrier
- 3 – Non-Continuous Barrier Platelets
- 4 – Barrier Surface Treatment (e.g. fluorination, sulfonation)
- 5 – Other Permeation Control Technology

Positions 8-9: Least Thickness of Tank Wall or Least Weight Percentage (%) of Barrier materials within the Group of Fuel Tanks (for all tank materials except metal)

For tanks with no barrier (i.e., values of 0, 1, 4, or 5 for Position 7: Control Strategy), enter the least nominal tank wall thickness, rounded to the nearest millimeter (mm) in the format of 01 to 99.

For tanks with a barrier (i.e., values of 2 or 3 for Position 7: Control Strategy), enter the least weight percentage (wt.%) of barrier material within the group of fuel tanks in the format of 01 to 99.

Position 10: Fuel Tank Production Method (for all tank materials except metal)

B – Blow-Molded Tank

T – Thermoformed Tank

R – Rotational Molded Tank

J – Injection Molded Tank

O – Other Production Method

Positions 11-12: Sequence Characters

Enter any combination of valid characters in positions 11 through 12 in order to provide a unique identification for a permeation family name. At a minimum, the sequence characters, in combination with the other characters in the permeation family name, must provide a unique identifier for each permeation family name for a manufacturer for each model year. Further, it is recommended that numbers and letters be selected that minimize possible confusion.

Examples

Engine Family:

9XYLC.350ABC = Company XY has a 2009 model 350-cc, gasoline-fueled, Otto- cycle motorcycle.

9 = 2009 model year

XYL = EPA manufacturer code for XY corporation

C = on-road motorcycle

.350 = engine displacement of 350 in cubic centimeters

ABC = 3-character code which uniquely identifies the engine family name.

Permeation Family with Metal Tank:

9XYLPMETALA1 = Company XY has a 2009 permeation family with a metal fuel tank.

9 = 2009 model year

XYL = EPA manufacturer code for XY corporation

P = permeation family

METAL = metal fuel tank

A1 = 2-character code which is used by the manufacturer to uniquely identify the permeation family name.

Permeation Family with Plastic Tank:

9XYLPP202TC1 = Company XY has a 2009 permeation family that consists of a multilayer plastic fuel tank with 2% weight of permeation barrier of EVOH material and manufactured by thermoforming.

9 = 2009 model year

XYL = EPA manufacturer code for XY corporation

P = permeation family

P = plastic fuel tank

2 = continuous multi-layer with permeation barrier

02 = least barrier weight % of 2%

T = thermoformed fuel tank

C1 = 2-character code which is used by the manufacturer to uniquely identify the permeation family name.

Appendix H – Example of a Statement of Compliance Letter (Electric)

[Company Name]

[Insert Date]

Director, Transportation Division
Energy and Transportation Directorate
Environmental Protection Branch
Environment and Climate Change Canada
351 St. Joseph Blvd.
Gatineau, Québec, K1A 0H3

Subject: Submission of evidence of conformity pursuant to the On-Road Vehicle and Engine Emission Regulations for 20XX model year [motorcycle make and model] (Engine Family: [engine family name])

Dear Director:

[Company Name] intends to sell a 20XX model year [motorcycle make and model], in Canada. Evidence of conformity is being submitted as per [subsection 35(1.1) OR section 36] of the ORVEER. The subject motorcycle model [is covered OR is not covered] by a certificate of conformity issued by the U.S. Environmental Protection Agency.

The above mentioned [motorcycle model] is a battery powered fully electric motorcycle and is equipped with a [battery type] battery.

[Company Name]'s estimated Canadian sales is [number of motorcycles] motorcycles for this engine family and model year.

[Company Name] attests that all motorcycles of this engine family comply with all applicable standards set out in the *On-Road Vehicle and Engine Emission Regulations* made under the *Canadian Environmental Protection Act, 1999*. Attached, please find [company name]'s evidence of such conformity, including a detailed description of the subject motorcycles. [Company Name] also attests that the motorcycles of this engine family are manufactured to the same specifications as those set out in the evidence of conformity and will be affixed with an appropriate vehicle emission control information label.

[Company Name] requests that Environment and Climate Change Canada acknowledge that the attached evidence of conformity has been obtained and produced in a form and manner satisfactory to the Minister.

As the signatory of this letter, I, [name], certify that I am authorized to act on behalf of [company name] concerning the 20XX [motorcycle model]. Should you have any questions in regard to the information provided, please contact [name, position and company name].

[Parts (as listed)] of the information supplied in this package is confidential.

[*Signature*]

[*Name*]

[*Title/Position*]

[*Contact Information*]

Encl.

Appendix I – Technical Information Requirements (Electric)

Heading	Requirements	Comments
Cover Page	Model year	<i>Identify the model year.</i>
	Make and model(s)	<i>Identify the make(s) and model(s) covered by the submission.</i>
	Engine family name	<i>Identify the engine family.</i>
	Brief description of engine family	<i>Provide a brief description of the engine family (e.g. battery powered, fully electric motorcycle).</i>
	Company name	<i>Identify the company's name. (See definition in section 149 of CEPA).</i>
	Motorcycle manufacturer	<i>Identify the motorcycle's original equipment manufacturer name.</i>
Section 1 – Correspondence and Communications	Identify person(s) both within and outside the company authorized to be in contact with staff from the Transportation Division of Environment and Climate Change Canada and who may be contact with regard to the submission. Identify areas of responsibility for each person listed, if applicable.	
	Name of company	<i>Provide the company's name.</i>
	Address of company	<i>Provide the company's postal address.</i>
	Canadian Business Number	<i>Business number assigned to the company by the Minister of National Revenue or a provincial registry.</i>
	Company representative	<i>Provide the representative's name, including title/position.</i>
	Representative address	<i>Provide the representative's postal address, if different than listed above.</i>
	Email address	<i>Provide the representative's email address.</i>
Phone number	<i>Provide the representative's phone number.</i>	
Section 2 – Statements	Statement of confidentiality	<i>Provide a statement.</i>
	Advise whether or not the submission is confidential, either in its entirety or specific sections	

	<p>Statement of compliance</p> <p>Provide an unconditional statement of compliance from the submitting company</p>	<p><i>e.g. The model year [model year] [make] [model] motorcycle, engine family [engine family], unconditionally meets all the standards and requirements of a motorcycle as set out in the Canadian Environmental Protection Act, 1999 and complies with the On-Road Vehicle and Engine Emission Regulations for a motorcycle.</i></p>
	<p>Production Motorcycles</p> <p>Provide a statement that motorcycles within the engine family are identical</p>	<p><i>e.g. All production motorcycles are identical in all material aspects with respect to the motorcycle(s) described in this submission.</i></p>
	<p>VECI label</p> <p>Provide a statement that a VECI label is affixed to each motorcycle, as per the requirements</p>	<p><i>e.g. The vehicle emission control information label is affixed to each production motorcycle and affixed permanently, unless destroyed or defaced, in a readily accessible position.</i></p>
<p>Section 3 – Engine Family Information</p>	<p>Motorcycle</p>	
	<p>Name of motorcycle manufacturer</p>	<p><i>Provide the name of the motorcycle manufacturer.</i></p>
	<p>Country of motorcycle manufacturer</p>	<p><i>Provide the name of the country where the motorcycle manufacturer is located.</i></p>
	<p>Engine family name</p>	<p><i>Provide the name of the Engine Family.</i></p>
	<p>Application type</p>	<p><i>Specify the type of application for this Engine Family: New - first application; C/O - Carry-over an identical Engine Family that was certified in previous model year by the same company.</i></p>
	<p>Motorcycle model name(s)</p>	<p><i>List all model names covered by this Engine Family.</i></p>
	<p>Battery Pack(s) for Driving Power</p>	
<p>Battery type</p>	<p><i>Specify the type of the battery used as driving power for this Engine Family: LION - Lithium ion rechargeable battery;</i></p>	

		<p>NIMH - Nickel Metal Hydride rechargeable battery; LICO - Lithium Cobalt rechargeable battery; LEAD - Lead- Acid rechargeable battery; NICA - Nickel Cadmium rechargeable battery; LIPO - Lithium Polymer rechargeable battery; LIFE - LiFePO4, Lithium-iron phosphate rechargeable battery; ZINC - Zinc-air full cell rechargeable battery; OTHER - Other type of battery than listed above.</p>
	Description of "Other" type of Battery	If "OTHER" is used from the list above, provide a description for the battery (use "N/A" for not applicable).
Section 4 – Motorcycle Model Summary	List of motorcycle models in the engine family	Provide a list of all models in the engine family along with their battery type.
Section 5 – Motorcycle Parts List	Battery part number	Provide the part number(s) for the battery(ies) installed on the motorcycles covered by the submission.
Section 6 – Confidential Information	Contains all confidential information from other sections	All confidential information contained in this section must be referenced by title in the appropriate section with a note to see Section 6.

Appendix J – VECI Label (Electric)

A sample drawing or copy of the Vehicle Emission Control Information (VECI) label must be included in the submission of evidence of conformity for all motorcycles that are imported into, or manufactured in Canada and must contain the information provided in this section. The technical information presented on the VECI label should be in English and the compliance statement must be in English and French. For the case of battery powered fully electric motorcycles, the labeling information has been modified from the requirements listed in section 413 of Title 40, chapter I, subchapter C, part 86, subpart E of the CFR.

- a) A permanent, legible label should be affixed in a readily accessible location. Multi-part labels may be used;
- b) The label should be affixed in such a manner that it cannot be removed without destroying or defacing the label, and should not be affixed to any part which is easily detached from the vehicle or is likely to be replaced;
- c) The label must have lettering in block capitals and numerals and should be in a colour that contrasts with the background colour of the label;
- d) The label must contain the following information;
 - i) The label heading shall read: “Vehicle Emission Control Information”;
 - ii) Full corporate name and trademark of the motorcycle’s manufacturer (optionally, the name of the Canadian company may also be included);
 - iii) Engine Family name;
 - iv) Identification of the exhaust emission control system must be: “Battery-only electric vehicle”; and
 - v) An unconditional statement of compliance: “THIS VEHICLE CONFORMS TO ALL APPLICABLE STANDARDS PRESCRIBED BY THE ON-ROAD VEHICLE AND ENGINE EMISSION REGULATIONS / CE VÉHICULE EST CONFORME À TOUTES LES NORMES QUI LUI SONT APPLICABLES EN VERTU DU RÈGLEMENT SUR LES ÉMISSIONS DES VÉHICULES ROUTIERS ET DE LEURS MOTEURS.”

Note that if the NEM is affixed as per section 8 of the ORVEER, then the Canadian compliance statement may be omitted from the VECI label for an equivalent motorcycle or Canada-unique motorcycle. In that particular situation, the VECI label should also be affixed to provide the necessary technical information (engine family, exhaust emission control system, etc.). If a company decides to keep the Canadian compliance statement, it must be located on the VECI label. It should be noted that the NEM is generally required for motorcycles that are manufactured in Canada. Before affixing the NEM, the company must obtain the authorization of the Minister. For more information on the NEM, please contact Environment and Climate Change Canada’s Transportation Division at ec.infovehiculeetmoteur-vehicleandengineinfo.ec@canada.ca.

Note that the above requirements shall not prevent a company from also reciting on the label that such motorcycles of the engine family conform to any other applicable standards for new motorcycles or any other information that the company deems necessary for, or useful to, the proper operation and satisfactory maintenance of the motorcycle. Below is an example of an acceptable VECI label for an equivalent motorcycle or a Canada-unique motorcycle.

VEHICLE EMISSION CONTROL INFORMATION	
Company Trademark	Company Name
ENGINE FAMILY: ΩΩΩΩααααΩΩ	
EXHAUST EMISSION CONTROL SYSTEM: BATTERY-ONLY ELECTRIC VEHICLE	
<p>*THIS VEHICLE CONFORMS TO ALL APPLICABLE STANDARDS PRESCRIBED BY THE ON-ROAD VEHICLE AND ENGINE EMISSION REGULATIONS / CE VÉHICULE EST CONFORME À TOUTES LES NORMES QUI LUI SONT APPLICABLES EN VERTU DU RÈGLEMENT SUR LES ÉMISSIONS DES VÉHICULES ROUTIERS ET DE LEURS MOTEURS.</p>	

* If the NEM is affixed, the Canadian compliance statement is not required.

Where

α: are alpha fields

#: are numeric fields

Ω: are alphanumeric fields

Engine Family Name

For the purpose of creating an engine family name for battery powered fully electric motorcycles, the engine family information has been modified and is reflected in the section below.

Position	1	2	3	4	5	6	7	8	9	10	11	12
Code	Model Year	EPA or ECCC 3-character alphanumeric manufacturer code			C (Vehicle Category Code for On-Road Motorcycles)	Battery Type Code				Manufacturer's self-designated Code for this Engine Family		

Position 1: Model Year Codes

Use the list below to select the appropriate model year code for the engine family.

8 – 2008	D – 2013	J – 2018	P – 2023
9 – 2009	E – 2014	K – 2019	R – 2024
A – 2010	F – 2015	L – 2020	S – 2025
B – 2011	G – 2016	M – 2021	T – 2026
C – 2012	H – 2017	N – 2022	V – 2027

Positions 2-4: EPA 3-character alphanumeric manufacturer code

Insert the 3-character alphanumeric EPA manufacturer code assigned to your company. If your company does not have an assigned EPA manufacturer code, please contact Environment and Climate Change Canada's Transportation Division at ec.infovehiculeetmoteur-vehiculeandengineinfo.ec@canada.ca.

Position 5: Industry Sector Codes

For on-road motorcycles, the industry sector code is "C" as per the EPA guidance letter CISD-07-03.

Positions 6-9: Battery Type

Use the list below to select the appropriate type of battery for the engine family.

- LION** - Lithium ion rechargeable battery;
- NIMH** - Nickel Metal Hydride rechargeable battery;
- LICO** - Lithium Cobalt rechargeable battery;
- LEAD** - Lead- Acid rechargeable battery;
- NICA** - Nickel Cadmium rechargeable battery;
- LIPO** - Lithium Polymer rechargeable battery;
- LIFE** - LiFePO₄, Lithium-iron phosphate rechargeable battery;
- ZINC** - Zinc-air full cell rechargeable battery;
- OTHER** - Please contact ECCC via e-mail (ec.verifications-des-emissions-emissions-verification.ec@canada.ca) if you use any other battery types that are not listed above.

Positions 10-12: Sequence Characters

Enter any combination of valid characters in positions 10 through 12 in order to provide a unique identification for an engine family name. At a minimum, the sequence characters, in combination with the other characters in the engine family name, must provide a unique identifier for each engine family name for a manufacturer for each model year. Further, it is recommended that numbers and letters be selected that minimize possible confusion. The sequence characters themselves could be used to represent other information such as the applicable EPA or California emission standards, however Environment and Climate Change Canada will treat these as simple sequence characters with no additional meaning.

Appendix K – EPA guidance letter: Certification Procedure for Highway Motorcycle Engines

Visit the EPA website to view the guidance letter at

https://iaspub.epa.gov/otaqpub/display_file.jsp?docid=14310&flag=1 (PDF 190 KB).