

otherwise required. Credits are calculated relative to the Phase 1 standards. Credits generated under this paragraph (f)(2) may only be used for compliance with the Phase 1 standards. You may generate credits under this paragraph (f)(2) without regard to whether the FELs are above or below the numerical level of the Phase 2 standards.

(g) *Pull-ahead option for permeation emissions.* Manufacturers choosing to comply with an early tank permeation standard of 3.0 g/m²/day prior to model year 2008 may be allowed to delay compliance with the 1.5 g/m²/day standard, for an equivalent number of tanks, subject to the following provisions:

(1) Pull-ahead tanks meeting the 3.0 g/m²/day standard must be certified and must meet all applicable requirements other than those limited to compliance with the exhaust standards.

(2) Tanks for which compliance with the 1.5 g/m²/day standard is delayed must meet the 3.0 g/m²/day standard.

(3) You may delay compliance with the 1.5 g/m²/day standard for one tank for one year for each tank-year of credit generated early.

(4) You may not use credits for a tank that is larger than the tank from which you generated the credits.

Subpart C—Certifying Engine Families

§ 1051.201 What are the general requirements for submitting a certification application?

(a) Send us an application for a certificate of conformity for each engine family. Each application is valid for only one model year.

(b) The application must not include false or incomplete statements or information (see § 1051.255).

(c) We may choose to ask you to send us less information than we specify in this subpart, but this would not change your recordkeeping requirements.

(d) Use good engineering judgment for all decisions related to your application (see § 1068.5 of this chapter).

(e) An authorized representative of your company must approve and sign the application.

§ 1051.205 What must I include in my application?

In your application, do all the following things unless we ask you to send us less information:

(a) Describe the engine family's specifications and other basic parameters of the vehicle design. List the types of fuel you intend to use to certify the engine family (for example, gasoline, liquefied petroleum gas, methanol, or natural gas). List vehicle configurations and model names that are included in the engine family.

(b) Explain how the emission-control systems operate.

(1) Describe in detail all the system components for controlling exhaust emissions, including auxiliary emission-control devices and all fuel-system components you will install on any production or test vehicle or engine. Explain why any auxiliary emission-control devices are not defeat devices (see § 1051.115(f)). Do not include detailed calibrations for components unless we ask for them.

(2) Describe the evaporative emission controls.

(c) Describe the vehicles or engines you selected for testing and the reasons for selecting them.

(d) Describe any special or alternate test procedures you used (see § 1051.501).

(e) Describe how you operated the engine or vehicle prior to testing, including the duty cycle and the number of engine operating hours used to stabilize emission levels, and any scheduled maintenance you performed.

(f) List the specifications of the test fuels to show that they fall within the required ranges.

(g) Identify the engine family's useful life.

(h) Propose maintenance and use instructions for the ultimate buyer of each new vehicle (see § 1051.125).

(i) Propose emission-related installation instructions if you sell engines for someone else to install in a vehicle (see § 1051.130).

(j) Propose an emission control information label.

(k) Present emission data to show that you meet emission standards.

(l) Present exhaust emission data for HC, NO_x (as applicable), and CO on a

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test vehicle or engine to show your vehicles meet the emission standards we specify in subpart B of this part. Show these figures before and after applying deterioration factors for each vehicle or engine. Include test data for each type of fuel from part 1065, subpart C, of this chapter on which you intend for vehicles in the engine family to operate (for example, gasoline, liquefied petroleum gas, methanol, or natural gas). If we specify more than one grade of any fuel type (for example, a summer grade and winter grade of gasoline), you only need to submit test data for one grade, unless the regulations of this part explicitly specify otherwise for your vehicle.

(2) Present evaporative test data for HC to show your vehicles meet the evaporative emission standards we specify in subpart B of this part. Show these figures before and after applying deterioration factors for each vehicle or engine, where applicable. If you did not perform the testing, identify the source of the test data.

(3) Note that § 1051.235 and 1051.245 allows you to submit an application in certain cases without new emission data.

(l) Report all test results, including those from invalid tests or from any nonstandard tests (such as measurements based on exhaust concentrations in parts per million).

(m) Identify the engine family's deterioration factors and describe how you developed them. Present any emission test data you used for this.

(n) Describe all adjustable operating parameters and other adjustments (see § 1051.115 (c) and (d)), including the following:

(1) The nominal or recommended setting.

(2) The intended physically adjustable range, including production tolerances if they affect the range.

(3) The limits or stops used to establish adjustable ranges.

(4) The air-fuel ratios or jet chart specified in § 1051.115(d).

(o) State that you operated your test vehicles or engines according to the specified procedures and test parameters using the fuels described in the application to show you meet the requirements of this part.

(p) State unconditionally that all the vehicles (and/or engines) in the engine family comply with the requirements of this part, other referenced parts, and the Clean Air Act.

(q) Include estimates of U.S.-directed production volumes.

(r) Show us how to modify your production vehicles to measure emissions in the field (see § 1051.115).

(s) Add other information to help us evaluate your application if we ask for it.

§ 1051.210 May I get preliminary approval before I complete my application?

If you send us information before you finish the application, we will review it and make any appropriate determinations listed in § 1051.215(b)(1) through (5). Decisions made under this section are considered to be preliminary approval. We will generally not disapprove applications under § 1051.215(b)(1) through (5) where we have given you preliminary approval, unless we find new and substantial information supporting a different decision.

(a) If you request preliminary approval related to the upcoming model year or the model year after that, we will make a "best-efforts" attempt to make the appropriate determinations as soon as possible. We will generally not provide preliminary approval related to a future model year more than two years ahead of time.

(b) If we have published general guidance that serves as our determination for your situation, you may consider that to be preliminary approval.

§ 1051.215 What happens after I complete my application?

(a) If any of the information in your application changes after you submit it, amend it as described in § 1051.225.

(b) We may deny your application (that is, determine that we cannot approve it without revision) if the engine family does not meet the requirements of this part or the Act. For example:

(1) If you inappropriately use the provisions of § 1051.230(c) or (d) to define a broader or narrower engine family, we will require you to redefine your engine family.