

---

## 40 C.F.R. § 1033.235

---

### Emission testing required for certification.

---

This section describes the emission testing you must perform to show compliance with the emission standards in § 1033.101.

- (a) Select an emission-data locomotive (or engine) from each engine family for testing. It may be a low mileage locomotive, or a development engine (that is equivalent in design to the engines of the locomotives being certified), or another low hour engine. Use good engineering judgment to select the locomotive configuration that is most likely to exceed (or have emissions nearest to) an applicable emission standard or FEL. In making this selection, consider all factors expected to affect emission control performance and compliance with the standards, including emission levels of all exhaust constituents, especially NO<sub>x</sub> and PM.
  
- (b) Test your emission-data locomotives using the procedures and equipment specified in subpart F of this part. In the case of dual-fuel locomotives, measure emissions when operating with each type of fuel for which you intend to certify the locomotive. In the case of flexible-fuel locomotives, measure emissions when operating with the fuel mixture that best represents in-use operation or is most likely to have the highest NO<sub>x</sub> emissions, though you may ask us instead to perform tests with both fuels separately if you can show that intermediate mixtures are not likely to occur in use.

This document is only available to subscribers. Please [log in](#) or [purchase access](#).

[Purchase Login](#)