

E1

# LARGE ENGINE EVAPORATIVE EMISSION FORM

1. Model Year \_\_\_\_\_ 2. Date \_\_\_\_\_  
3. Process Code \_\_\_\_\_ 4. Test Data Set Number \_\_\_\_\_  
5. EPA Standardized Evaporative Family name \_\_\_\_\_ 6. Fuel \_\_\_\_\_  
7. A.) Evaporative Certification Standard \_\_\_\_\_ B.) Weight Category \_\_\_\_\_

8. Evaporative Results

	Test 1	Test 2	Test 3
Date of Test			
3 Diurnal g/test			
2 Diurnal g/test			
Running Loss g/test			
Spit Back g/test			
Pre 1996 Evap Test g/test			

9. Evaporative Family/Engine Comparison Information

Evaporative Family Code	Engine Manufacturer	Engine Family	Evaporative Control System

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**DRAFT**

Instructions for Large Engine Evaporative Emission Certification Form (For On Highway Vehicle Certification Only)

The On Highway Vehicle manufacturer completes the Large Engine Evaporative Emission Certification Form, which contains the information and data used to demonstrate compliance with evaporative emission requirements. The form is designed to assist the EPA data input into an electronic data base. If more than one test is run on one vehicle configuration, each set of test results should be placed in its own column (labeled Test 1, Test 2, etc.) found on the Large Engine Vehicle Certification Evaporative Form. Please be sure to include units, or in cases where units are present on the forms, verify the validity of the preset units. The on-highway vehicle manufacturer is not required to submit a copy of the engine certification application forms.

For some classes of vehicles, engineering judgement may be used in place of the performance of standard test procedures (see Appendix E Tables). In these instances, data generated through the use of engineering judgement must still be entered in the Evaporative Results section (form E1, item #8).

The new Large Engine Evaporative Emission Certification Form has been created directly in the EPA's engine database. The following instructions are provided to assist filling out the forms for both the paper and electronic versions. Presently, only the paper version is available. The electronic version is being developed. The electronic version will employ "pull-down" menus for some questions to aid in data input. For those questions, employing pull-down menus, only the responses contained in the pull-down menu are acceptable, even if the application is submitted in a paper version. The instructions below will identify the questions which employ pull-down menus and will list the acceptable responses.

Large Engine Vehicle Certification Evaporative Form

1. Model Year (Pull-down menu)  
The model year for which certification is sought (4 digits, ex 1996).
2. Date  
EPA will enter the date form received.
3. Process Code (Pull-down menu)  
Enter either a "New submission", "Correction", or "Running Change" in the space provided.
4. Test Data Set Number  
Enter a "1" for the first test combination. If additional combinations are tested, submit a separate form for each test combination and label the subsequent combinations "2", "3", etc.
5. EPA Standardized Evaporative Family Name  
See Appendix D for more details on evaporative family naming conventions.
6. Fuel (Pull-down menu)  
Enter type of fuel used in test from the following list: Gasoline, LPG, Methanol, CNG, or Other (If "other" is chosen, in the comment box at the end of the form).
7. A) Evaporative Certification Standard (Pull-down menu)

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Enter the standard used to certify the evaporative system from the following list: 86.091-10(b) - Otto Cycle, 86.091-11(b) - Diesel Cycle, 86.096-10(b) - Otto Cycle, 86.096-11(b) - Diesel Cycle, or 86.098-11 - Diesel Cycle.

B) Weight Category (Pull-down menu)

Enter one of the following weight categories: GVWR  $\leq$  14K, 14K < GVWR < 26K, or GVWR > 26K.

8. Test Results

Enter date test was run in the corresponding column (MM-DD-YY). [if only one test was run this test combination, enter the results in the column labeled "Test 1".]

Enter the applicable test results, with the deterioration factor applied, into the chart. When a test result is not required, enter NA.

9. Evaporative Family/Engine Family Comparison Information

Enter information as the table dictates.