

SECTION 15: DATA ANALYSIS AND REPORTING

15.1 SUMMARY

The administrative authority is required to submit by July of each year an annual report to the EPA providing basic statistics on the testing program for January through December of the previous year. Data analysis and reporting provides information regarding the types of program activities performed. The annual report is compiled from four individual reports. These four reports are a test data report, a QA report, a QC report, and an enforcement report.

15.2 TEST DATA REPORT

Electronic testing was implemented in 2002. This system allows for data to be collected electronically from the station each time an emissions inspection is conducted. This data is then stored in a Vehicle Inspection Database (VID) where it is compiled into reports and analyzed. This data is used at the end of each year to produce a test data report to submit to the EPA. The administrative authority is required to submit by July of each year a test data report to the EPA providing basic statistics on the testing program from January through December of the previous year. The basic statistics reported include:

- (1) The number of vehicles tested by model year and vehicle type;
- (2) By model year and vehicle type, the number and percentage of vehicles:
 - (a) failing initially per test type;
 - (b) failing the first retest per test type;
 - (c) passing the first retest per test type;
 - (d) initially failed vehicles passing the second or subsequent retest per test type;
 - (e) initially failed vehicles receiving a waiver;
 - (f) vehicles with no known final outcome (regardless of reason);
 - (g) pass/fail results of the OBD check;
 - (h) pass/fail any combination of the OBD check and the I/M Gas Cap Integrity system check;
 - (i) results of the commanded malfunction indicator lamp check; and
 - (j) results of the readiness status check;

- (3) The initial test volume by MY and test station; and
- (4) The initial test failure by MY and test station.

15.3 QUALITY ASSURANCE (QA) REPORT

The DPS is required via an interagency contract with the LDEQ to perform overt and covert audits of all stations every year for the state of Louisiana's I/M program. The administrative authority is required to submit by July of each year a QA report to the EPA providing basic statistics on the testing program from January through December of the previous year. The basic statistics reported include:

- (1) The number of inspection stations and lanes:
 - (a) operating throughout the year; and
 - (b) operating for only part of the year;
- (2) The number of inspection stations and lanes operating throughout the year:
 - (a) receiving overt performance audits in the year;
 - (b) not receiving overt performance audits in the year;
 - (c) receiving covert performance audits in the year;
 - (d) not receiving covert performance audits in the year; and
 - (e) that have been shut down as a result of an overt performance audit;
- (3) The number of covert audits:
 - (a) conducted with the vehicle set to fail per test type;
 - (b) conducted with the vehicle set to fail any combination of two or more test types;
 - (c) resulting in a false pass per test type; and
 - (d) resulting in a false pass for any combination of two or more test types;
- (4) The number of inspectors and stations:
 - (a) that were suspended, fired, or otherwise prohibited from testing as a result of covert audits;
 - (b) that were suspended, fired, or otherwise prohibited from testing for other causes; and
 - (c) that received fines;

- (5) The number of inspectors licensed or certified to conduct testing;
- (6) The number of hearings:
 - (a) held to consider adverse actions against inspectors and stations; and
 - (b) resulting in adverse actions against inspectors and stations;
- (7) The total amount collected in fines from inspectors and stations by type of violation;
- (8) The total number of covert vehicles available for undercover audits over the year; and
- (9) The number of covert auditors available for undercover audits.

15.4 QUALITY CONTROL (QC) REPORT

Test equipment is checked during routine overt audits conducted during the year. The administrative authority is required to submit by July of each year a QC report to the EPA providing basic statistics on the testing program from January through December of the previous year. The basic statistics reported include:

- (1) The number of emission testing sites and lanes in use in the program;
- (2) The number of equipment audits by station and lane;
- (3) The number and percentage of stations that have failed equipment audits; and
- (4) The number and percentage of stations and lanes shut down as a result of equipment audits.

15.5 ENFORCEMENT REPORT

The administrative authority is required to submit by July of each year an enforcement report to the EPA providing basic statistics on the testing program from January through December of the previous year. The basic statistics reported include:

- (1) An estimate of the number of vehicles subject to the inspection program, including the results of an analysis of the registration database;
- (2) The percentage of motorist compliance based upon a comparison of the number of valid final tests with the number of subject vehicles;
- (3) The total number of compliance documents issued to inspection stations;
- (4) The number of missing compliance documents;

- (5) The number of time extensions and other exemptions granted to motorists;
- (6) The number of compliance surveys conducted, the number of vehicles surveyed in each, and the compliance rates found;
- (7) A report on the program's efforts to prevent, detect, and enforce against sticker theft and counterfeiting, and the frequency of this type of activity;
- (8) A report on the program's efforts to prevent, detect, and enforce against motorists falsely changing vehicle classifications to circumvent program requirements, and the frequency of this type of activity; and
- (9) The number of sticker audits conducted, the number of vehicles surveyed in each, and the noncompliance rate found during those audits.

15.6 BIENNIAL REPORT

In addition to the annual reports, the administrative authority will submit to the EPA by July of every other year, biennial reports as per 40 CFR 51.366(e).