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Citation Formats and Glossary of Common Terms

CITATION FORMATS

The following illustrate the formats used in the permit to identify applicable requirements from permits and regulations.

Old Permit Numbers

Example: Permit No. AC50-123456 or Permit No. AO50-123456

Where: "AC" identifies the permit as an Air Construction Permit
"AO" identifies the permit as an Air Operation Permit
"123456" identifies the specific permit project number

New Permit Numbers

Example: Permit Nos. 099-2222-001-AC, 099-2222-001-AF, 099-2222-001-AO, or 099-2222-001-AV

Where: "099" represents the specific county ID number in which the project is located

"2222" represents the specific facility ID number for that county

"001" identifies the specific permit project number

"AC" identifies the permit as an air construction permit

"AF" identifies the permit as a minor source federally enforceable state operation permit

"AO" identifies the permit as a minor source air operation permit

"AV" identifies the permit as a major Title V air operation permit

PSD Permit Numbers

Example: Permit No. PSD-FL-317

Where: "PSD" means issued pursuant to the preconstruction review requirements of the Prevention of Significant Deterioration of Air Quality

"FL" means that the permit was issued by the State of Florida

"317" identifies the specific permit project number

Florida Administrative Code (F.A.C.)

Example: [Rule 62-213.205, F.A.C.]

Means: Title 62, Chapter 213, Rule 205 of the Florida Administrative Code

Code of Federal Regulations (CFR)

Example: [40 CFR 60.7]

Means: Title 40, Part 60, Section 7

GLOSSARY OF COMMON TERMS

° F: degrees Fahrenheit

AAQS: Ambient Air Quality Standard

acf: actual cubic feet

acfm: actual cubic feet per minute

ARMS: Air Resource Management System (DEP database)

BACT: best available control technology

bhp: brake horsepower

Btu: British thermal units

CAM: compliance assurance monitoring

CEMS: continuous emissions monitoring system

cfm: cubic feet per minute

Citation Formats and Glossary of Common Terms

CFR: Code of Federal Regulations

CAA: Clean Air Act

CMS: continuous monitoring system

CO: carbon monoxide

CO_2: carbon dioxide

COMS: continuous opacity monitoring system

DARM: Division of Air Resource Management

DEP: Department of Environmental Protection

Department: Department of Environmental Protection

dscf: dry standard cubic feet

dscfm: dry standard cubic feet per minute

EPA: Environmental Protection Agency

ESP: electrostatic precipitator (control system for reducing particulate matter)

EU: emissions unit

F.A.C.: Florida Administrative Code

F.A.W.: Florida Administrative Weekly

F.D.: forced draft

F.S.: Florida Statutes

FGD: flue gas desulfurization

FGR: flue gas recirculation

Fl: fluoride

ft^2: square feet

ft^3: cubic feet

gpm: gallons per minute

gr: grains

HAP: hazardous air pollutant

Hg: mercury

I.D.: induced draft

ID: identification

kPa: kilopascals

lb: pound

MACT: maximum achievable technology

MMBtu: million British thermal units

MSDS: material safety data sheets

MW: megawatt

NESHAP: National Emissions Standards for Hazardous Air Pollutants

NO_X: nitrogen oxides

NSPS: New Source Performance Standards

O&M: operation and maintenance

O_2: oxygen

Pb: lead

PM: particulate matter

PM_{10}: particulate matter with a mean aerodynamic diameter of 10 microns or less

ppm: parts per million

ppmv: parts per million by volume

ppmvd: parts per million by volume, dry basis

QA: quality assurance

QC: quality control

PSD: prevention of significant deterioration

psi: pounds per square inch

PTE: potential to emit

RACT: reasonably available control technology

RATA: relative accuracy test audit

RBLC: EPA's RACT/BACT/LAER Clearinghouse

SAM: sulfuric acid mist

scf: standard cubic feet

scfm: standard cubic feet per minute

SIC: standard industrial classification code

SIP: State Implementation Plan

SNCR: selective non-catalytic reduction (control system used for reducing emissions of nitrogen oxides)

SO_2: sulfur dioxide

TPD: tons/day

TPH: tons per hour

TPY: tons per year

TRS: total reduced sulfur

UTM: Universal Transverse Mercator coordinate system

VE: visible emissions

VOC: volatile organic compounds

General Conditions

The permittee shall comply with the following general conditions from Rule 62-4.160, F.A.C.

1. The terms, conditions, requirements, limitations and restrictions set forth in this permit, are "permit conditions" and are binding and enforceable pursuant to Sections 403.141, 403.727, or 403.859 through 403.861, F.S. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
3. As provided in subsections 403.987(6) and 403.722(5), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations. This permit is not a waiver of or approval of any other department permit that may be required for other aspects of the total project which are not addressed in this permit.
4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgment of title, and not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.
6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the permittee to achieve compliance with the conditions of this permit, as required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.
7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at reasonable times, access to the premises where the permitted activity is located or conducted to:
   a. Have access to and copy any records that must be kept under conditions of the permit;
   b. Inspect the facility, equipment, practices, or operations regulated or required under this permit; and
   c. Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules. Reasonable time may depend on the nature of the concern being investigated.
8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:
   a. A description of, and cause of, noncompliance; and
   b. The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance. The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.
9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Sections 403.111 and 403.73, F.S. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.

General Conditions

10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules. A reasonable time for compliance with a new or amended surface water quality standard, other than those standards addressed in Rule 62-302.500, F.A.C., shall include a reasonable time to obtain or be denied a mixing zone for the new or amended standard.

11. This permit is transferable only upon Department approval in accordance with Rules 62-4.120 and 62-730.300, F.A.C., as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.

12. This permit or a copy thereof shall be kept at the work site of the permitted activity.

13. This permit also constitutes:

    a. Determination of Best Available Control Technology (not applicable);

    b. Determination of Prevention of Significant Deterioration (not applicable); and

    c. Compliance with New Source Performance Standards (not applicable).

14. The permittee shall comply with the following:

    a. Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.

    b. The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.

    c. Records of monitoring information shall include:

        (a) The date, exact place, and time of sampling or measurements;

        (b) The person responsible for performing the sampling or measurements;

        (c) The dates analyses were performed;

        (d) The person responsible for performing the analyses;

        (e) The analytical techniques or methods used;

        (f) The results of such analyses.

15. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware the relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.

Common Conditions

Unless otherwise specified in the permit, the following conditions apply to all emissions units and activities at the facility.

EMISSIONS AND CONTROLS

1. Plant Operation - Problems: If temporarily unable to comply with any of the conditions of the permit due to breakdown of equipment or destruction by fire, wind or other cause, the permittee shall notify each Compliance Authority as soon as possible, but at least within one working day, excluding weekends and holidays. The notification shall include: pertinent information as to the cause of the problem; steps being taken to correct the problem and prevent future recurrence; and, where applicable, the owner's intent toward reconstruction of destroyed facilities. Such notification does not release the permittee from any liability for failure to comply with the conditions of this permit or the regulations. [Rule 62-4.130, F.A.C.]

2. Circumvention: The permittee shall not circumvent the air pollution control equipment or allow the emission of air pollutants without this equipment operating properly. [Rule 62-210.650, F.A.C.]

3. Excess Emissions Allowed: Excess emissions resulting from startup, shutdown or malfunction of any emissions unit shall be permitted providing (1) best operational practices to minimize emissions are adhered to and (2) the duration of excess emissions shall be minimized but in no case exceed 2 hours in any 24-hour period unless specifically authorized by the Department for longer duration. Pursuant to Rule 62-210.700(5), F.A.C., the permit subsection may specify more or less stringent requirements for periods of excess emissions. Rule 62-210-700(Excess Emissions), F.A.C., cannot vary or supersede any federal NSPS or NESHAP provision. [Rule 62-210.700(1), F.A.C.]

4. Excess Emissions Prohibited: Excess emissions caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure that may reasonably be prevented during startup, shutdown or malfunction shall be prohibited. [Rule 62-210.700(4), F.A.C.]

5. Excess Emissions - Notification: In case of excess emissions resulting from malfunctions, the permittee shall notify the Compliance Authority in accordance with Rule 62-4.130, F.A.C. A full written report on the malfunctions shall be submitted in a quarterly report, if requested by the Department. [Rule 62-210.700(6), F.A.C.]

6. VOC or OS Emissions: No person shall store, pump, handle, process, load, unload or use in any process or installation, volatile organic compounds (VOC) or organic solvents (OS) without applying known and existing vapor emission control devices or systems deemed necessary and ordered by the Department. [Rule 62-296.320(1), F.A.C.]

7. Objectionable Odor Prohibited: No person shall cause, suffer, allow or permit the discharge of air pollutants, which cause or contribute to an objectionable odor. An "objectionable odor" means any odor present in the outdoor atmosphere which by itself or in combination with other odors, is or may be harmful or injurious to human health or welfare, which unreasonably interferes with the comfortable use and enjoyment of life or property, or which creates a nuisance. [Rules 62-296.320(2) and 62-210.200(Definitions), F.A.C.]

8. General Visible Emissions: No person shall cause, let, permit, suffer or allow to be discharged into the atmosphere the emissions of air pollutants from any activity equal to or greater than 20% opacity. This regulation does not impose a specific testing requirement. [Rule 62-296.320(4)(b)1, F.A.C.]

9. Unconfined Particulate Emissions: During the construction period, unconfined particulate matter emissions shall be minimized by dust suppressing techniques such as covering and/or application of water or chemicals to the affected areas, as necessary. [Rule 62-296.320(4)(c), F.A.C.]

RECORDS AND REPORTS

10. Records Retention: All measurements, records, and other data required by this permit shall be documented in a permanent, legible format and retained for at least 5 years following the date on which such measurements, records, or data are recorded. Records shall be made available to the Department upon request. [Rule 62-213.440(1)(b)2, F.A.C.]

11. Emissions Computation and Reporting:

    a. *Applicability*. This rule sets forth required methodologies to be used by the owner or operator of a facility for computing actual emissions, baseline actual emissions, and net emissions increase, as defined at Rule 62-210.200, F.A.C., and for computing emissions for purposes of the reporting requirements of subsection 62-210.370(3) and paragraph 62-212.300(1)(e), F.A.C., or of any permit condition that requires emissions be computed in accordance

with this rule. This rule is not intended to establish methodologies for determining compliance with the emission limitations of any air permit. [Rule 62-210.370(1), F.A.C.]

b. *Computation of Emissions*. For any of the purposes set forth in subsection 62-210.370(1), F.A.C., the owner or operator of a facility shall compute emissions in accordance with the requirements set forth in this subsection.

(1) Basic Approach. The owner or operator shall employ, on a pollutant-specific basis, the most accurate of the approaches set forth below to compute the emissions of a pollutant from an emissions unit; provided, however, that nothing in this rule shall be construed to require installation and operation of any continuous emissions monitoring system (CEMS), continuous parameter monitoring system (CPMS), or predictive emissions monitoring system (PEMS) not otherwise required by rule or permit, nor shall anything in this rule be construed to require performance of any stack testing not otherwise required by rule or permit.

(a) If the emissions unit is equipped with a CEMS meeting the requirements of paragraph 62-210.370(2)(b), F.A.C., the owner or operator shall use such CEMS to compute the emissions of the pollutant, unless the owner or operator demonstrates to the department that an alternative approach is more accurate because the CEMS represents still-emerging technology.

(b) If a CEMS is not available or does not meet the requirements of paragraph 62-210.370(2)(b), F.A.C, but emissions of the pollutant can be computed pursuant to the mass balance methodology of paragraph 62-210.370(2)(c), F.A.C., the owner or operator shall use such methodology, unless the owner or operator demonstrates to the department that an alternative approach is more accurate.

(c) If a CEMS is not available or does not meet the requirements of paragraph 62-210.370(2)(b), F.A.C., and emissions cannot be computed pursuant to the mass balance methodology, the owner or operator shall use an emission factor meeting the requirements of paragraph 62-210.370(2)(d), F.A.C., unless the owner or operator demonstrates to the department that an alternative approach is more accurate.

(2) Continuous Emissions Monitoring System (CEMS).

(a) An owner or operator may use a CEMS to compute emissions of a pollutant for purposes of this rule provided:

1) The CEMS complies with the applicable certification and quality assurance requirements of 40 CFR Part 60, Appendices B and F, or, for an acid rain unit, the certification and quality assurance requirements of 40 CFR Part 75, all adopted by reference at Rule 62-204.800, F.A.C.; or

2) The owner or operator demonstrates that the CEMS otherwise represents the most accurate means of computing emissions for purposes of this rule.

(b) Stack gas volumetric flow rates used with the CEMS to compute emissions shall be obtained by the most accurate of the following methods as demonstrated by the owner or operator:

1) A calibrated flow meter that records data on a continuous basis, if available; or

2) The average flow rate of all valid stack tests conducted during a five-year period encompassing the period over which the emissions are being computed, provided all stack tests used shall represent the same operational and physical configuration of the unit.

(c) The owner or operator may use CEMS data in combination with an appropriate f-factor, heat input data, and any other necessary parameters to compute emissions if such method is demonstrated by the owner or operator to be more accurate than using a stack gas volumetric flow rate as set forth at subparagraph 62-210.370(2)(b)2., F.A.C., above.

(3) Mass Balance Calculations.

(a) An owner or operator may use mass balance calculations to compute emissions of a pollutant for purposes of this rule provided the owner or operator:

1) Demonstrates a means of validating the content of the pollutant that is contained in or created by all materials or fuels used in or at the emissions unit; and

2) Assumes that the emissions unit emits all of the pollutant that is contained in or created by any material or fuel used in or at the emissions unit if it cannot otherwise be accounted for in the process or in the capture and destruction of the pollutant by the unit's air pollution control equipment.

(b) Where the vendor of a raw material or fuel which is used in or at the emissions unit publishes a range of pollutant content from such material or fuel, the owner or operator shall use the highest value of the range to compute the emissions, unless the owner or operator demonstrates using site-specific data that another content within the range is more accurate.

(c) In the case of an emissions unit using coatings or solvents, the owner or operator shall document, through purchase receipts, records and sales receipts, the beginning and ending VOC inventories, the amount of VOC purchased during the computational period, and the amount of VOC disposed of in the liquid phase during such period.

(4) Emission Factors.

a. An owner or operator may use an emission factor to compute emissions of a pollutant for purposes of this rule provided the emission factor is based on site-specific data such as stack test data, where available, unless the owner or operator demonstrates to the department that an alternative emission factor is more accurate. An owner or operator using site-specific data to derive an emission factor, or set of factors, shall meet the following requirements.

1) If stack test data are used, the emission factor shall be based on the average emissions per unit of input, output, or gas volume, whichever is appropriate, of all valid stack tests conducted during at least a five-year period encompassing the period over which the emissions are being computed, provided all stack tests used shall represent the same operational and physical configuration of the unit.

2) Multiple emission factors shall be used as necessary to account for variations in emission rate associated with variations in the emissions unit's operating rate or operating conditions during the period over which emissions are computed.

3) The owner or operator shall compute emissions by multiplying the appropriate emission factor by the appropriate input, output or gas volume value for the period over which the emissions are computed. The owner or operator shall not compute emissions by converting an emission factor to pounds per hour and then multiplying by hours of operation, unless the owner or operator demonstrates that such computation is the most accurate method available.

b. If site-specific data are not available to derive an emission factor, the owner or operator may use a published emission factor directly applicable to the process for which emissions are computed. If no directly-applicable emission factor is available, the owner or operator may use a factor based on a similar, but different, process.

(5) Accounting for Emissions During Periods of Missing Data from CEMS, PEMS, or CPMS. In computing the emissions of a pollutant, the owner or operator shall account for the emissions during periods of missing data from CEMS, PEMS, or CPMS using other site-specific data to generate a reasonable estimate of such emissions.

(6) Accounting for Emissions During Periods of Startup and Shutdown. In computing the emissions of a pollutant, the owner or operator shall account for the emissions during periods of startup and shutdown of the emissions unit.

(7) Fugitive Emissions. In computing the emissions of a pollutant from a facility or emissions unit, the owner or operator shall account for the fugitive emissions of the pollutant, to the extent quantifiable, associated with such facility or emissions unit.

(8) Recordkeeping. The owner or operator shall retain a copy of all records used to compute emissions pursuant to this rule for a period of five years from the date on which such emissions information is submitted to the

department for any regulatory purpose.

[Rule 62-210.370(2), F.A.C.]

c. *Annual Operating Report for Air Pollutant Emitting Facility*

(1) The Annual Operating Report for Air Pollutant Emitting Facility (DEP Form No. 62-210.900(5)) shall be completed each year for the following facilities:

a. All Title V sources.

b. All synthetic non-Title V sources.

c. All facilities with the potential to emit ten (10) tons per year or more of volatile organic compounds or twenty-five (25) tons per year or more of nitrogen oxides and located in an ozone nonattainment area or ozone air quality maintenance area.

d. All facilities for which an annual operating report is required by rule or permit.

(2) Notwithstanding paragraph 62-210.370(3)(a), F.A.C., no annual operating report shall be required for any facility operating under an air general permit.

(3) The annual operating report shall be submitted to the appropriate Department of Environmental Protection (DEP) division, district or DEP-approved local air pollution control program office by April 1 of the following year, except that the annual operating report for year 2008 shall be submitted by May 1, 2009. If the report is submitted using the Department's electronic annual operating report software, there is no requirement to submit a copy to any DEP or local air program office.

(4) Emissions shall be computed in accordance with the provisions of subsection 62-210.370(2), F.A.C., for purposes of the annual operating report.

(5) Facility Relocation. Unless otherwise provided by rule or more stringent permit condition, the owner or operator of a relocatable facility must submit a Facility Relocation Notification Form (DEP Form No. 62-210.900(6)) to the Department at least 30 days prior to the relocation. A separate form shall be submitted for each facility in the case of the relocation of multiple facilities which are jointly owned or operated.

[Rule 62-210.370(3), F.A.C.]

Common Testing Requirements

Unless otherwise specified in the permit, the following testing requirements apply to all emissions units at the facility.

COMPLIANCE TESTING REQUIREMENTS

1. Operating Rate During Testing: Testing of emissions shall be conducted with the emissions unit operating at permitted capacity. If it is impractical to test at permitted capacity, an emissions unit may be tested at less than the maximum permitted capacity; in this case, subsequent emissions unit operation is limited to 110 percent of the test rate until a new test is conducted. Once the unit is so limited, operation at higher capacities is allowed for no more than 15 consecutive days for the purpose of additional compliance testing to regain the authority to operate at the permitted capacity. Permitted capacity is defined as 90 to 100 percent of the maximum operation rate allowed by the permit. [Rule 62-297.310(2), F.A.C.]

2. Applicable Test Procedures - Opacity Compliance Tests: When either EPA Method 9 or DEP Method 9 is specified as the applicable opacity test method, the required minimum period of observation for a compliance test shall be sixty (60) minutes for emissions units which emit or have the potential to emit 100 tons per year or more of particulate matter, and thirty (30) minutes for emissions units which have potential emissions less than 100 tons per year of particulate matter and are not subject to a multiple-valued opacity standard. The opacity test observation period shall include the period during which the highest opacity emissions can reasonably be expected to occur. Exceptions to these requirements are as follows:

   a. For batch, cyclical processes, or other operations which are normally completed within less than the minimum observation period and do not recur within that time, the period of observation shall be equal to the duration of the batch cycle or operation completion time.

   b. The observation period for special opacity tests that are conducted to provide data to establish a surrogate standard pursuant to Rule 62-297.310(5)(k), F.A.C., Waiver of Compliance Test Requirements, shall be established as necessary to properly establish the relationship between a proposed surrogate standard and an existing mass emission limiting standard.

   c. The minimum observation period for opacity tests conducted by employees or agents of the Department to verify the day-to-day continuing compliance of a unit or activity with an applicable opacity standard shall be twelve minutes.

   [Rule 62-297.310(4), F.A.C.]

3. Determination of Process Variables:

   a. *Required Equipment*. The owner or operator of an emissions unit for which compliance tests are required shall install, operate, and maintain equipment or instruments necessary to determine process variables, such as process weight input or heat input, when such data are needed in conjunction with emissions data to determine the compliance of the emissions unit with applicable emission limiting standards.

   b. *Accuracy of Equipment*. Equipment or instruments used to directly or indirectly determine process variables, including devices such as belt scales, weight hoppers, flow meters, and tank scales, shall be calibrated and adjusted to indicate the true value of the parameter being measured with sufficient accuracy to allow the applicable process variable to be determined within 10% of its true value.

   [Rule 62-297.310(5), F.A.C.]

4. Frequency of Compliance Tests: The following provisions apply only to those emissions units that are subject to an emissions limiting standard for which compliance testing is required.

   a. *General Compliance Testing*.

      1. The owner or operator of a new or modified emissions unit that is subject to an emission limiting standard shall conduct a compliance test that demonstrates compliance with the applicable emission limiting standard prior to obtaining an operation permit for such emissions unit.

      2. The owner or operator of an emissions unit that is subject to any emission limiting standard shall conduct a compliance test that demonstrates compliance with the applicable emission limiting standard prior to obtaining a renewed operation permit. Emissions units that are required to conduct an annual compliance test may submit the most recent annual compliance test to satisfy the requirements of this provision. In renewing

an air operation permit pursuant to sub-subparagraph 62-210.300(2)(a)3.b., c., or d., F.A.C., the Department shall not require submission of emission compliance test results for any emissions unit that, during the year prior to renewal:

(a) Did not operate; or

(b) In the case of a fuel burning emissions unit, burned liquid and/or solid fuel for a total of no more than 400 hours,

3. During each federal fiscal year (October 1 – September 30), unless otherwise specified by rule, order, or permit, the owner or operator of each emissions unit shall have a formal compliance test conducted for visible emissions, if there is an applicable standard.

4. The owner or operator shall notify the Department, at least 15 days prior to the date on which each formal compliance test is to begin, of the date, time, and place of each such test, and the test contact person who will be responsible for coordinating and having such test conducted for the owner or operator.

b. *Special Compliance Tests*. When the Department, after investigation, has good reason (such as complaints, increased visible emissions or questionable maintenance of control equipment) to believe that any applicable emission standard contained in a Department rule or in a permit issued pursuant to those rules is being violated, it shall require the owner or operator of the emissions unit to conduct compliance tests which identify the nature and quantity of pollutant emissions from the emissions unit and to provide a report on the results of said tests to the Department.

[Rule 62-297.310(7), F.A.C.]

RECORDS AND REPORTS

5. Test Reports: The owner or operator of an emissions unit for which a compliance test is required shall file a report with the Department on the results of each such test. The required test report shall be filed with the Department as soon as practical but no later than 45 days after the last sampling run of each test is completed. The test report shall provide sufficient detail on the emissions unit tested and the test procedures used to allow the Department to determine if the test was properly conducted and the test results properly computed. As a minimum, the test report shall provide the following information.

a. The type, location, and designation of the emissions unit tested.

b. The facility at which the emissions unit is located.

c. The owner or operator of the emissions unit.

d. The normal type and amount of fuels used and materials processed, and the types and amounts of fuels used and material processed during each test run.

e. The means, raw data and computations used to determine the amount of fuels used and materials processed, if necessary to determine compliance with an applicable emission limiting standard.

f. The date, starting time and end time of the observation.

g. The test procedures used.

h. The names of individuals who furnished the process variable data, conducted the test, and prepared the report.

i. The applicable emission standard and the resulting maximum allowable emission rate for the emissions unit plus the test result in the same form and unit of measure.

j. A certification that, to the knowledge of the owner or his authorized agent, all data submitted is true and correct. The owner or his authorized agent shall certify that all data required and provided to the person conducting the test are true and correct to his knowledge.

[Rule 62-297.310(8), F.A.C.]

40 CFR PART 60, SUBPART A - GENERAL PROVISIONS

§ 60.1 APPLICABILITY.

(a) Except as provided in subparts B and C, the provisions of this part apply to the owner or operator of any stationary source which contains an affected facility, the construction or modification of which is commenced after the date of publication in this part of any standard (or, if earlier, the date of publication of any proposed standard) applicable to that facility.

(b) Any new or revised standard of performance promulgated pursuant to section 111(b) of the Act shall apply to the owner or operator of any stationary source which contains an affected facility, the construction or modification of which is commenced after the date of publication in this part of such new or revised standard (or, if earlier, the date of publication of any proposed standard) applicable to that facility.

(c) In addition to complying with the provisions of this part, the owner or operator of an affected facility may be required to obtain an operating permit issued to stationary sources by an authorized State air pollution control agency or by the Administrator of the U.S. Environmental Protection Agency (EPA) pursuant to Title V of the Clean Air Act (Act) as amended November 15, 1990 (42 U.S.C. 7661). For more information about obtaining an operating permit see part 70 of this chapter.

(d) *Site-specific standard for Merck & Co., Inc.'s Stonewall Plant in Elkton, Virginia. {Not Applicable}*

§ 60.2 DEFINITIONS.

The terms used in this part are defined in the Act or in this section as follows:

Act means the Clean Air Act (42 U.S.C. 7401 *et seq.*)

Administrator means the Administrator of the Environmental Protection Agency or his authorized representative.

Affected facility means, with reference to a stationary source, any apparatus to which a standard is applicable.

Alternative method means any method of sampling and analyzing for an air pollutant which is not a reference or equivalent method but which has been demonstrated to the Administrator's satisfaction to, in specific cases, produce results adequate for his determination of compliance.

Approved permit program means a State permit program approved by the Administrator as meeting the requirements of part 70 of this chapter or a Federal permit program established in this chapter pursuant to Title V of the Act (42 U.S.C. 7661).

Capital expenditure means an expenditure for a physical or operational change to an existing facility which exceeds the product of the applicable “annual asset guideline repair allowance percentage” specified in the latest edition of Internal Revenue Service (IRS) Publication 534 and the existing facility's basis, as defined by section 1012 of the Internal Revenue Code. However, the total expenditure for a physical or operational change to an existing facility must not be reduced by any “excluded additions” as defined in IRS Publication 534, as would be done for tax purposes.

Clean coal technology demonstration project means a project using funds appropriated under the heading ‘Department of Energy-Clean Coal Technology’, up to a total amount of $2,500,000,000 for commercial demonstrations of clean coal technology, or similar projects funded through appropriations for the Environmental Protection Agency.

Commenced means, with respect to the definition of *new source* in section 111(a)(2) of the Act, that an owner or operator has undertaken a continuous program of construction or modification or that an owner or operator has entered into a contractual obligation to undertake and complete, within a reasonable time, a continuous program of construction or modification.

Construction means fabrication, erection, or installation of an affected facility.

Continuous monitoring system means the total equipment, required under the emission monitoring sections in applicable subparts, used to sample and condition (if applicable), to analyze, and to provide a permanent record of emissions or process parameters.

Electric utility steam generating unit means any steam electric generating unit that is constructed for the purpose of supplying more than one-third of its potential electric output capacity and more than 25 MW electrical output to any utility power distribution system for sale. Any steam supplied to a steam distribution system for the purpose of providing steam to a steam-electric generator that would produce electrical energy for sale is also considered in determining the electrical energy output capacity of the affected facility.

Equivalent method means any method of sampling and analyzing for an air pollutant which has been demonstrated to the Administrator's satisfaction to have a consistent and quantitatively known relationship to the reference method, under specified conditions.

Excess Emissions and Monitoring Systems Performance Report is a report that must be submitted periodically by a source in order to provide data on its compliance with stated emission limits and operating parameters, and on the performance of its monitoring systems.

Existing facility means, with reference to a stationary source, any apparatus of the type for which a standard is promulgated in this part, and the construction or modification of which was commenced before the date of proposal of that standard; or any apparatus which could be altered in such a way as to be of that type.

Force majeure means, for purposes of §60.8, an event that will be or has been caused by circumstances beyond the control of the affected facility, its contractors, or any entity controlled by the affected facility that prevents the owner or operator from complying with the regulatory requirement to conduct performance tests within the specified timeframe despite the affected facility's best efforts to fulfill the obligation. Examples of such events are acts of nature, acts of war or terrorism, or equipment failure or safety hazard beyond the control of the affected facility.

Isokinetic sampling means sampling in which the linear velocity of the gas entering the sampling nozzle is equal to that of the undisturbed gas stream at the sample point.

Issuance of a part 70 permit will occur, if the State is the permitting authority, in accordance with the requirements of part 70 of this chapter and the applicable, approved State permit program. When the EPA is the permitting authority, issuance of a Title V permit occurs immediately after the EPA takes final action on the final permit.

Malfunction means any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. Failures that are caused in part by poor maintenance or careless operation are not malfunctions.

Modification means any physical change in, or change in the method of operation of, an existing facility which increases the amount of any air pollutant (to which a standard applies) emitted into the atmosphere by that facility or which results in the emission of any air pollutant (to which a standard applies) into the atmosphere not previously emitted.

Monitoring device means the total equipment, required under the monitoring of operations sections in applicable subparts, used to measure and record (if applicable) process parameters.

Nitrogen oxides means all oxides of nitrogen except nitrous oxide, as measured by test methods set forth in this part.

One-hour period means any 60-minute period commencing on the hour.

Opacity means the degree to which emissions reduce the transmission of light and obscure the view of an object in the background.

Owner or operator means any person who owns, leases, operates, controls, or supervises an affected facility or a stationary source of which an affected facility is a part.

Part 70 permit means any permit issued, renewed, or revised pursuant to part 70 of this chapter.

Particulate matter means any finely divided solid or liquid material, other than uncombined water, as measured by the reference methods specified under each applicable subpart, or an equivalent or alternative method.

Permit program means a comprehensive State operating permit system established pursuant to title V of the Act (42 U.S.C. 7661) and regulations codified in part 70 of this chapter and applicable State regulations, or a comprehensive Federal operating permit system established pursuant to title V of the Act and regulations codified in this chapter.

Permitting authority means:

(1) The State air pollution control agency, local agency, other State agency, or other agency authorized by the Administrator to carry out a permit program under part 70 of this chapter; or

(2) The Administrator, in the case of EPA-implemented permit programs under title V of the Act (42 U.S.C. 7661).

Proportional sampling means sampling at a rate that produces a constant ratio of sampling rate to stack gas flow rate.

Reactivation of a very clean coal-fired electric utility steam generating unit means any physical change or change in the method of operation associated with the commencement of commercial operations by a coal-fired utility unit after a period of discontinued operation where the unit:

(1) Has not been in operation for the two-year period prior to the enactment of the Clean Air Act Amendments of 1990, and the emissions from such unit continue to be carried in the permitting authority's emissions inventory at the time of enactment;

(2) Was equipped prior to shut-down with a continuous system of emissions control that achieves a removal efficiency for sulfur dioxide of no less than 85 percent and a removal efficiency for particulates of no less than 98 percent;

(3) Is equipped with low-NO_X burners prior to the time of commencement of operations following reactivation; and

(4) Is otherwise in compliance with the requirements of the Clean Air Act.

Reference method means any method of sampling and analyzing for an air pollutant as specified in the applicable subpart.

Repowering means replacement of an existing coal-fired boiler with one of the following clean coal technologies: atmospheric or pressurized fluidized bed combustion, integrated gasification combined cycle, magnetohydrodynamics, direct and indirect coal-fired turbines, integrated gasification fuel cells, or as determined by the Administrator, in consultation with the Secretary of Energy, a derivative of one or more of these technologies, and any other technology capable of controlling multiple combustion emissions simultaneously with improved boiler or generation efficiency and with significantly greater waste reduction relative to the performance of technology in widespread commercial use as of November 15, 1990. Repowering shall also include any oil and/or gas-fired unit which has been awarded clean coal technology demonstration funding as of January 1, 1991, by the Department of Energy.

Run means the net period of time during which an emission sample is collected. Unless otherwise specified, a run may be either intermittent or continuous within the limits of good engineering practice.

Shutdown means the cessation of operation of an affected facility for any purpose.

Six-minute period means any one of the 10 equal parts of a one-hour period.

Standard means a standard of performance proposed or promulgated under this part.

Standard conditions means a temperature of 293 K (68F) and a pressure of 101.3 kilopascals (29.92 in Hg).

Startup means the setting in operation of an affected facility for any purpose.

State means all non-Federal authorities, including local agencies, interstate associations, and State-wide programs, that have delegated authority to implement: (1) The provisions of this part; and/or (2) the permit program established under part 70 of this chapter. The term State shall have its conventional meaning where clear from the context.

Stationary source means any building, structure, facility, or installation which emits or may emit any air pollutant.

Title V permit means any permit issued, renewed, or revised pursuant to Federal or State regulations established to implement title V of the Act (42 U.S.C. 7661). A title V permit issued by a State permitting authority is called a part 70 permit in this part.

Volatile Organic Compound means any organic compound which participates in atmospheric photochemical reactions; or which is measured by a reference method, an equivalent method, an alternative method, or which is determined by procedures specified under any subpart.

[44 FR 55173, Sept. 25, 1979, as amended at 45 FR 5617, Jan. 23, 1980; 45 FR 85415, Dec. 24, 1980; 54 FR 6662, Feb. 14, 1989; 55 FR 51382, Dec. 13, 1990; 57 FR 32338, July 21, 1992; 59 FR 12427, Mar. 16, 1994; 72 FR 27442, May 16, 2007]

§ 60.3 UNITS AND ABBREVIATIONS.

Used in this part are abbreviations and symbols of units of measure. These are defined as follows:

(a) System International (SI) units of measure:

A—ampere

g—gram

Hz—hertz

J—joule

K—degree Kelvin

kg—kilogram

m—meter

m^3 —cubic meter

mg—milligram—10^{-3}gram

mm—millimeter—10^{-3}meter

Mg—megagram—10^6 gram

mol—mole

N—newton

ng—nanogram—10^{-9}gram

nm—nanometer—10^{-9}meter

Pa—pascal

s—second

V—volt

W—watt

Ω—ohm

µg—microgram—10^{-6}gram

(b) Other units of measure:

Btu—British thermal unit

°C—degree Celsius (centigrade)

cal—calorie

cfm—cubic feet per minute

cu ft—cubic feet

dcf—dry cubic feet

dcm—dry cubic meter

dscf—dry cubic feet at standard conditions

dscm—dry cubic meter at standard conditions

eq—equivalent

°F—degree Fahrenheit

ft—feet

gal—gallon

gr—grain

g-eq—gram equivalent

hr—hour

in—inch

k—1,000

l—liter

lpm—liter per minute

lb—pound

meq—milliequivalent

min—minute

ml—milliliter

mol. wt.—molecular weight

ppb—parts per billion

ppm—parts per million

psia—pounds per square inch absolute

psig—pounds per square inch gage

°R—degree Rankine

scf—cubic feet at standard conditions

scfh—cubic feet per hour at standard conditions

scm—cubic meter at standard conditions

sec—second

sq ft—square feet

std—at standard conditions

(c) Chemical nomenclature:

CdS—cadmium sulfide

CO—carbon monoxide

CO_2—carbon dioxide

HCl—hydrochloric acid

Hg—mercury

H_2O—water

H_2S—hydrogen sulfide

H_2SO_4—sulfuric acid

N_2—nitrogen

NO—nitric oxide

NO_2—nitrogen dioxide

NO_X—nitrogen oxides

O_2—oxygen

SO_2—sulfur dioxide

SO_3—sulfur trioxide

SO_X—sulfur oxides

(d) Miscellaneous:

A.S.T.M.—American Society for Testing and Materials

[42 FR 37000, July 19, 1977; 42 FR 38178, July 27, 1977]

§ 60.4 ADDRESS.

ALL ADDRESSES THAT PERTAIN TO FLORIDA HAVE BEEN INCORPORATED. TO SEE THE COMPLETE LIST OF ADDRESSES PLEASE GO TO HTTP://ECFR.GPOACCESS.GOV/CGI/T/TEXT/TEXT-IDX?C=ECFR&RGN=DIV6&VIEW=TEXT&NODE=40:6.0.1.1.1.1&IDNO=40.

Link to an amendment published at 73 FR 18164, Apr. 3, 2008.

(a) All requests, reports, applications, submittals, and other communications to the Administrator pursuant to this part shall be submitted in duplicate to the appropriate Regional Office of the U.S. Environmental Protection Agency to the attention of the Director of the Division indicated in the following list of EPA Regional Offices.

Region IV (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee), Director, Air and Waste Management Division, U.S. Environmental Protection Agency, 345 Courtland Street, NE., Atlanta, GA 30365.

(b) Section 111(c) directs the Administrator to delegate to each State, when appropriate, the authority to implement and enforce standards of performance for new stationary sources located in such State. All information required to be submitted to EPA under paragraph (a) of this section, must also be submitted to the appropriate State Agency of any State to which this authority has been delegated (provided, that each specific delegation may except sources from a certain Federal or State reporting requirement). The appropriate mailing address for those States whose delegation request has been approved is as follows:

(K) Bureau of Air Quality Management, Department of Environmental Regulation, Twin Towers Office Building, 2600 Blair Stone Road, Tallahassee, FL 32301.

[40 FR 18169, Apr. 25, 1975]

Editorial Note: For Federal Register citations affecting §60.4 see the List of CFR Sections Affected which appears in the Finding Aids section of the printed volume and on GPO Access.

§ 60.5 DETERMINATION OF CONSTRUCTION OR MODIFICATION.

(a) When requested to do so by an owner or operator, the Administrator will make a determination of whether action taken or intended to be taken by such owner or operator constitutes construction (including reconstruction) or modification or the commencement thereof within the meaning of this part.

(b) The Administrator will respond to any request for a determination under paragraph (a) of this section within 30 days of receipt of such request.

[40 FR 58418, Dec. 16, 1975]

§ 60.6 REVIEW OF PLANS.

(a) When requested to do so by an owner or operator, the Administrator will review plans for construction or modification for the purpose of providing technical advice to the owner or operator.

(b)

(1) A separate request shall be submitted for each construction or modification project.

(2) Each request shall identify the location of such project, and be accompanied by technical information describing the proposed nature, size, design, and method of operation of each affected facility involved in such project, including information on any equipment to be used for measurement or control of emissions.

(c) Neither a request for plans review nor advice furnished by the Administrator in response to such request shall (1) relieve an owner or operator of legal responsibility for compliance with any provision of this part or of any applicable State or local requirement, or (2) prevent the Administrator from implementing or enforcing any provision of this part or taking any other action authorized by the Act.

[36 FR 24877, Dec. 23, 1971, as amended at 39 FR 9314, Mar. 8, 1974]

§ 60.7 NOTIFICATION AND RECORD KEEPING.

(a) Any owner or operator subject to the provisions of this part shall furnish the Administrator written notification or, if acceptable to both the Administrator and the owner or operator of a source, electronic notification, as follows:

(1) A notification of the date construction (or reconstruction as defined under §60.15) of an affected facility is commenced postmarked no later than 30 days after such date. This requirement shall not apply in the case of mass-produced facilities which are purchased in completed form.

(2) [Reserved]

(3) A notification of the actual date of initial startup of an affected facility postmarked within 15 days after such date.

(4) A notification of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless that change is specifically exempted under an applicable subpart or in §60.14(e). This notice shall be postmarked 60 days or as soon as practicable before the change is commenced and shall include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The Administrator may request additional relevant information subsequent to this notice.

(5) A notification of the date upon which demonstration of the continuous monitoring system performance commences in accordance with §60.13(c). Notification shall be postmarked not less than 30 days prior to such date.

(6) A notification of the anticipated date for conducting the opacity observations required by §60.11(e)(1) of this part. The notification shall also include, if appropriate, a request for the Administrator to provide a visible emissions reader during a performance test. The notification shall be postmarked not less than 30 days prior to such date.

(7) A notification that continuous opacity monitoring system data results will be used to determine compliance with the applicable opacity standard during a performance test required by §60.8 in lieu of Method 9 observation data as allowed by §60.11(e)(5) of this part. This notification shall be postmarked not less than 30 days prior to the date of the performance test.

(b) Any owner or operator subject to the provisions of this part shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative.

(c) Each owner or operator required to install a continuous monitoring device shall submit excess emissions and monitoring systems performance report (excess emissions are defined in applicable subparts) and-or summary report form (see paragraph (d) of this section) to the Administrator semiannually, except when: more frequent reporting is specifically required by an applicable subpart; or the Administrator, on a case-by-case basis, determines that more frequent reporting is necessary to accurately assess the compliance status of the source. All reports shall be postmarked by the 30th day following the end of each six-month period. Written reports of excess emissions shall include the following information:

(1) The magnitude of excess emissions computed in accordance with §60.13(h), any conversion factor(s) used, and the date and time of commencement and completion of each time period of excess emissions. The process operating time during the reporting period.

(2) Specific identification of each period of excess emissions that occurs during startups, shutdowns, and malfunctions of the affected facility. The nature and cause of any malfunction (if known), the corrective action taken or preventative measures adopted.

(3) The date and time identifying each period during which the continuous monitoring system was inoperative except for zero and span checks and the nature of the system repairs or adjustments.

(4) When no excess emissions have occurred or the continuous monitoring system(s) have not been inoperative, repaired, or adjusted, such information shall be stated in the report.

(d) The summary report form shall contain the information and be in the format shown in figure 1 unless otherwise specified by the Administrator. One summary report form shall be submitted for each pollutant monitored at each affected facility.

(1) If the total duration of excess emissions for the reporting period is less than 1 percent of the total operating time for the reporting period and CMS downtime for the reporting period is less than 5 percent of the total operating time for the reporting period, only the summary report form shall be submitted and the excess emission report described in §60.7(c) need not be submitted unless requested by the Administrator.

(2) If the total duration of excess emissions for the reporting period is 1 percent or greater of the total operating time for the reporting period or the total CMS downtime for the reporting period is 5 percent or greater of the total operating time for the reporting period, the summary report form and the excess emission report described in §60.7(c) shall both be submitted.

Figure 1—Summary Report—Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant (Circle One—SO_2/NO_X/TRS/H_2S/CO/Opacity)

Reporting period dates: From _____ to _____

Company:

Emission Limitation_____

Address:

Monitor Manufacturer and Model No._____
Date of Latest CMS Certification or Audit_____

Process Unit(s) Description:

Total source operating time in reporting period[1] _____

Emission data summary[1]		**CMS performance summary[1]**	
1. Duration of excess emissions in reporting period due to:		1. CMS downtime in reporting period due to:	
a. Startup/shutdown		a. Monitor equipment malfunctions	
b. Control equipment problems		b. Non-Monitor equipment malfunctions	
c. Process problems		c. Quality assurance calibration	
d. Other known causes		d. Other known causes	
e. Unknown causes		e. Unknown causes	
2. Total duration of excess emission		2. Total CMS Downtime	
3. Total duration of excess emissions × (100) [Total source operating time]	%[2]	3. [Total CMS Downtime] × (100) [Total source operating time]	%[2]

[1]For opacity, record all times in minutes. For gases, record all times in hours.

[2]For the reporting period: If the total duration of excess emissions is 1 percent or greater of the total operating time or the total CMS downtime is 5 percent or greater of the total operating time, both the summary report form and the excess emission report described in §60.7(c) shall be submitted.

On a separate page, describe any changes since last quarter in CMS, process or controls. I certify that the information contained in this report is true, accurate, and complete.

_____

Name

_____

Signature

_____

Title

_____

Date

(e)

(1) Notwithstanding the frequency of reporting requirements specified in paragraph (c) of this section, an owner or operator who is required by an applicable subpart to submit excess emissions and monitoring systems performance reports (and summary reports) on a quarterly (or more frequent) basis may reduce the frequency of reporting for that standard to semiannual if the following conditions are met:

(i) For 1 full year (e.g., 4 quarterly or 12 monthly reporting periods) the affected facility's excess emissions and monitoring systems reports submitted to comply with a standard under this part continually demonstrate that the facility is in compliance with the applicable standard;

(ii) The owner or operator continues to comply with all recordkeeping and monitoring requirements specified in this subpart and the applicable standard; and

(iii) The Administrator does not object to a reduced frequency of reporting for the affected facility, as provided in paragraph (e)(2) of this section.

(2) The frequency of reporting of excess emissions and monitoring systems performance (and summary) reports may be reduced only after the owner or operator notifies the Administrator in writing of his or her intention to make such a change and the Administrator does not object to the intended change. In deciding whether to approve a reduced frequency of reporting, the Administrator may review information concerning the source's entire previous performance history during the required recordkeeping period prior to the intended change, including performance test results, monitoring data, and evaluations of an owner or operator's conformance with operation and maintenance requirements. Such information may be used by the Administrator to make a judgment about the source's potential for noncompliance in the future. If the Administrator disapproves the owner or operator's request to reduce the frequency of reporting, the Administrator will notify the owner or operator in writing within 45 days after receiving notice of the owner or operator's intention. The notification from the Administrator to the owner or operator will specify the grounds on which the disapproval is based. In the absence of a notice of disapproval within 45 days, approval is automatically granted.

(3) As soon as monitoring data indicate that the affected facility is not in compliance with any emission limitation or operating parameter specified in the applicable standard, the frequency of reporting shall revert to the frequency specified in the applicable standard, and the owner or operator shall submit an excess emissions and monitoring systems performance report (and summary report, if required) at the next appropriate reporting period following the noncomplying event. After demonstrating compliance with the applicable standard for another full year, the owner or operator may again request approval from the Administrator to reduce the frequency of reporting for that standard as provided for in paragraphs (e)(1) and (e)(2) of this section.

(f) Any owner or operator subject to the provisions of this part shall maintain a file of all measurements, including continuous monitoring system, monitoring device, and performance testing measurements; all continuous monitoring system performance evaluations; all continuous monitoring system or monitoring device calibration checks; adjustments and maintenance performed on these systems or devices; and all other information required by this part recorded in a permanent form suitable for inspection. The file shall be retained for at least two years following the date of such measurements, maintenance, reports, and records, except as follows:

(1) This paragraph applies to owners or operators required to install a continuous emissions monitoring system (CEMS) where the CEMS installed is automated, and where the calculated data averages do not exclude periods of CEMS breakdown or malfunction. An automated CEMS records and reduces the measured data to the form of the pollutant emission standard through the use of a computerized data acquisition system. In lieu of maintaining a file of all CEMS subhourly measurements as required under paragraph (f) of this section, the owner or operator shall retain the most recent consecutive three averaging periods of subhourly measurements and a file that contains a hard copy of the data acquisition system algorithm used to reduce the measured data into the reportable form of the standard.

(2) This paragraph applies to owners or operators required to install a CEMS where the measured data is manually reduced to obtain the reportable form of the standard, and where the calculated data averages do not exclude periods of CEMS breakdown or malfunction. In lieu of maintaining a file of all CEMS subhourly measurements as

required under paragraph (f) of this section, the owner or operator shall retain all subhourly measurements for the most recent reporting period. The subhourly measurements shall be retained for 120 days from the date of the most recent summary or excess emission report submitted to the Administrator.

(3) The Administrator or delegated authority, upon notification to the source, may require the owner or operator to maintain all measurements as required by paragraph (f) of this section, if the Administrator or the delegated authority determines these records are required to more accurately assess the compliance status of the affected source.

(g) If notification substantially similar to that in paragraph (a) of this section is required by any other State or local agency, sending the Administrator a copy of that notification will satisfy the requirements of paragraph (a) of this section.

(h) Individual subparts of this part may include specific provisions which clarify or make inapplicable the provisions set forth in this section.

[36 FR 24877, Dec. 28, 1971, as amended at 40 FR 46254, Oct. 6, 1975; 40 FR 58418, Dec. 16, 1975; 45 FR 5617, Jan. 23, 1980; 48 FR 48335, Oct. 18, 1983; 50 FR 53113, Dec. 27, 1985; 52 FR 9781, Mar. 26, 1987; 55 FR 51382, Dec. 13, 1990; 59 FR 12428, Mar. 16, 1994; 59 FR 47265, Sep. 15, 1994; 64 FR 7463, Feb. 12, 1999]

§ 60.8 PERFORMANCE TESTS.

(a) Except as specified in paragraphs (a)(1),(a)(2), (a)(3), and (a)(4) of this section, within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup of such facility, or at such other times specified by this part, and at such other times as may be required by the Administrator under section 114 of the Act, the owner or operator of such facility shall conduct performance test(s) and furnish the Administrator a written report of the results of such performance test(s).

(1) If a force majeure is about to occur, occurs, or has occurred for which the affected owner or operator intends to assert a claim of force majeure, the owner or operator shall notify the Administrator, in writing as soon as practicable following the date the owner or operator first knew, or through due diligence should have known that the event may cause or caused a delay in testing beyond the regulatory deadline, but the notification must occur before the performance test deadline unless the initial force majeure or a subsequent force majeure event delays the notice, and in such cases, the notification shall occur as soon as practicable.

(2) The owner or operator shall provide to the Administrator a written description of the force majeure event and a rationale for attributing the delay in testing beyond the regulatory deadline to the force majeure; describe the measures taken or to be taken to minimize the delay; and identify a date by which the owner or operator proposes to conduct the performance test. The performance test shall be conducted as soon as practicable after the force majeure occurs.

(3) The decision as to whether or not to grant an extension to the performance test deadline is solely within the discretion of the Administrator. The Administrator will notify the owner or operator in writing of approval or disapproval of the request for an extension as soon as practicable.

(4) Until an extension of the performance test deadline has been approved by the Administrator under paragraphs (a)(1), (2), and (3) of this section, the owner or operator of the affected facility remains strictly subject to the requirements of this part.

(b) Performance tests shall be conducted and data reduced in accordance with the test methods and procedures contained in each applicable subpart unless the Administrator (1) specifies or approves, in specific cases, the use of a reference method with minor changes in methodology, (2) approves the use of an equivalent method, (3) approves the use of an alternative method the results of which he has determined to be adequate for indicating whether a specific source is in compliance, (4) waives the requirement for performance tests because the owner or operator of a source has demonstrated by other means to the Administrator's satisfaction that the affected facility is in compliance with the standard, or (5) approves shorter sampling times and smaller sample volumes when necessitated by process variables or other factors. Nothing in this paragraph shall be construed to abrogate the Administrator's authority to require testing under section 114 of the Act.

(c) Performance tests shall be conducted under such conditions as the Administrator shall specify to the plant operator based on representative performance of the affected facility. The owner or operator shall make available to the Administrator such records as may be necessary to determine the conditions of the performance tests. Operations during periods of startup, shutdown, and malfunction shall not constitute representative conditions for the purpose of a performance test nor shall emissions in excess of the level of the applicable emission limit during periods of startup, shutdown, and malfunction be considered a violation of the applicable emission limit unless otherwise specified in the applicable standard.

(d) The owner or operator of an affected facility shall provide the Administrator at least 30 days prior notice of any performance test, except as specified under other subparts, to afford the Administrator the opportunity to have an observer present. If after 30 days notice for an initially scheduled performance test, there is a delay (due to operational problems, etc.) in conducting the scheduled performance test, the owner or operator of an affected facility shall notify the Administrator (or delegated State or local agency) as soon as possible of any delay in the original test date, either by providing at least 7 days prior notice of the rescheduled date of the performance test, or by arranging a rescheduled date with the Administrator (or delegated State or local agency) by mutual agreement.

(e) The owner or operator of an affected facility shall provide, or cause to be provided, performance testing facilities as follows:

(1) Sampling ports adequate for test methods applicable to such facility. This includes (i) constructing the air pollution control system such that volumetric flow rates and pollutant emission rates can be accurately determined by applicable test methods and procedures and (ii) providing a stack or duct free of cyclonic flow during performance tests, as demonstrated by applicable test methods and procedures.

(2) Safe sampling platform(s).

(3) Safe access to sampling platform(s).

(4) Utilities for sampling and testing equipment.

(f) Unless otherwise specified in the applicable subpart, each performance test shall consist of three separate runs using the applicable test method. Each run shall be conducted for the time and under the conditions specified in the applicable standard. For the purpose of determining compliance with an applicable standard, the arithmetic means of results of the three runs shall apply. In the event that a sample is accidentally lost or conditions occur in which one of the three runs must be discontinued because of forced shutdown, failure of an irreplaceable portion of the sample train, extreme meteorological conditions, or other circumstances, beyond the owner or operator's control, compliance may, upon the Administrator's approval, be determined using the arithmetic mean of the results of the two other runs.

[36 FR 24877, Dec. 23, 1971, as amended at 39 FR 9314, Mar. 8, 1974; 42 FR 57126, Nov. 1, 1977; 44 FR 33612, June 11, 1979; 54 FR 6662, Feb. 14, 1989; 54 FR 21344, May 17, 1989; 64 FR 7463, Feb. 12, 1999; 72 FR 27442, May 16, 2007]

§ 60.9 AVAILABILITY OF INFORMATION.

The availability to the public of information provided to, or otherwise obtained by, the Administrator under this part shall be governed by part 2 of this chapter. (Information submitted voluntarily to the Administrator for the purposes of §§60.5 and 60.6 is governed by §§2.201 through 2.213 of this chapter and not by §2.301 of this chapter.)

§ 60.10 STATE AUTHORITY.

The provisions of this part shall not be construed in any manner to preclude any State or political subdivision thereof from:

(a) Adopting and enforcing any emission standard or limitation applicable to an affected facility, provided that such emission standard or limitation is not less stringent than the standard applicable to such facility.

(b) Requiring the owner or operator of an affected facility to obtain permits, licenses, or approvals prior to initiating construction, modification, or operation of such facility.

§ 60.11 COMPLIANCE WITH STANDARDS AND MAINTENANCE REQUIREMENTS.

(a) Compliance with standards in this part, other than opacity standards, shall be determined in accordance with performance tests established by §60.8, unless otherwise specified in the applicable standard.

(b) Compliance with opacity standards in this part shall be determined by conducting observations in accordance with Method 9 in appendix A of this part, any alternative method that is approved by the Administrator, or as provided in paragraph (e)(5) of this section. For purposes of determining initial compliance, the minimum total time of observations shall be 3 hours (30 6-minute averages) for the performance test or other set of observations (meaning those fugitive-type emission sources subject only to an opacity standard).

(c) The opacity standards set forth in this part shall apply at all times except during periods of startup, shutdown, malfunction, and as otherwise provided in the applicable standard.

(d) At all times, including periods of startup, shutdown, and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

(e)

(1) For the purpose of demonstrating initial compliance, opacity observations shall be conducted concurrently with the initial performance test required in §60.8 unless one of the following conditions apply. If no performance test under §60.8 is required, then opacity observations shall be conducted within 60 days after achieving the maximum production rate at which the affected facility will be operated but no later than 180 days after initial startup of the facility. If visibility or other conditions prevent the opacity observations from being conducted concurrently with the initial performance test required under §60.8, the source owner or operator shall reschedule the opacity observations as soon after the initial performance test as possible, but not later than 30 days thereafter, and shall advise the Administrator of the rescheduled date. In these cases, the 30-day prior notification to the Administrator required in §60.7(a)(6) shall be waived. The rescheduled opacity observations shall be conducted (to the extent possible) under the same operating conditions that existed during the initial performance test conducted under §60.8. The visible emissions observer shall determine whether visibility or other conditions prevent the opacity observations from being made concurrently with the initial performance test in accordance with procedures contained in Method 9 of appendix B of this part. Opacity readings of portions of plumes which contain condensed, uncombined water vapor shall not be used for purposes of determining compliance with opacity standards. The owner or operator of an affected facility shall make available, upon request by the Administrator, such records as may be necessary to determine the conditions under which the visual observations were made and shall provide evidence indicating proof of current visible observer emission certification. Except as provided in paragraph (e)(5) of this section, the results of continuous monitoring by transmissometer which indicate that the opacity at the time visual observations were made was not in excess of the standard are probative but not conclusive evidence of the actual opacity of an emission, provided that the source shall meet the burden of proving that the instrument used meets (at the time of the alleged violation) Performance Specification 1 in appendix B of this part, has been properly maintained and (at the time of the alleged violation) that the resulting data have not been altered in any way.

(2) Except as provided in paragraph (e)(3) of this section, the owner or operator of an affected facility to which an opacity standard in this part applies shall conduct opacity observations in accordance with paragraph (b) of this section, shall record the opacity of emissions, and shall report to the Administrator the opacity results along with the results of the initial performance test required under §60.8. The inability of an owner or operator to secure a visible emissions observer shall not be considered a reason for not conducting the opacity observations concurrent with the initial performance test.

(3) The owner or operator of an affected facility to which an opacity standard in this part applies may request the Administrator to determine and to record the opacity of emissions from the affected facility during the initial performance test and at such times as may be required. The owner or operator of the affected facility shall report

the opacity results. Any request to the Administrator to determine and to record the opacity of emissions from an affected facility shall be included in the notification required in §60.7(a)(6). If, for some reason, the Administrator cannot determine and record the opacity of emissions from the affected facility during the performance test, then the provisions of paragraph (e)(1) of this section shall apply.

(4) An owner or operator of an affected facility using a continuous opacity monitor (transmissometer) shall record the monitoring data produced during the initial performance test required by §60.8 and shall furnish the Administrator a written report of the monitoring results along with Method 9 and §60.8 performance test results.

(5) An owner or operator of an affected facility subject to an opacity standard may submit, for compliance purposes, continuous opacity monitoring system (COMS) data results produced during any performance test required under §60.8 in lieu of Method 9 observation data. If an owner or operator elects to submit COMS data for compliance with the opacity standard, he shall notify the Administrator of that decision, in writing, at least 30 days before any performance test required under §60.8 is conducted. Once the owner or operator of an affected facility has notified the Administrator to that effect, the COMS data results will be used to determine opacity compliance during subsequent tests required under §60.8 until the owner or operator notifies the Administrator, in writing, to the contrary. For the purpose of determining compliance with the opacity standard during a performance test required under §60.8 using COMS data, the minimum total time of COMS data collection shall be averages of all 6-minute continuous periods within the duration of the mass emission performance test. Results of the COMS opacity determinations shall be submitted along with the results of the performance test required under §60.8. The owner or operator of an affected facility using a COMS for compliance purposes is responsible for demonstrating that the COMS meets the requirements specified in §60.13(c) of this part, that the COMS has been properly maintained and operated, and that the resulting data have not been altered in any way. If COMS data results are submitted for compliance with the opacity standard for a period of time during which Method 9 data indicates noncompliance, the Method 9 data will be used to determine compliance with the opacity standard.

(6) Upon receipt from an owner or operator of the written reports of the results of the performance tests required by §60.8, the opacity observation results and observer certification required by §60.11(e)(1), and the COMS results, if applicable, the Administrator will make a finding concerning compliance with opacity and other applicable standards. If COMS data results are used to comply with an opacity standard, only those results are required to be submitted along with the performance test results required by §60.8. If the Administrator finds that an affected facility is in compliance with all applicable standards for which performance tests are conducted in accordance with §60.8 of this part but during the time such performance tests are being conducted fails to meet any applicable opacity standard, he shall notify the owner or operator and advise him that he may petition the Administrator within 10 days of receipt of notification to make appropriate adjustment to the opacity standard for the affected facility.

(7) The Administrator will grant such a petition upon a demonstration by the owner or operator that the affected facility and associated air pollution control equipment was operated and maintained in a manner to minimize the opacity of emissions during the performance tests; that the performance tests were performed under the conditions established by the Administrator; and that the affected facility and associated air pollution control equipment were incapable of being adjusted or operated to meet the applicable opacity standard.

(8) The Administrator will establish an opacity standard for the affected facility meeting the above requirements at a level at which the source will be able, as indicated by the performance and opacity tests, to meet the opacity standard at all times during which the source is meeting the mass or concentration emission standard. The Administrator will promulgate the new opacity standard in the Federal Register.

(f) Special provisions set forth under an applicable subpart shall supersede any conflicting provisions in paragraphs (a) through (e) of this section.

(g) For the purpose of submitting compliance certifications or establishing whether or not a person has violated or is in violation of any standard in this part, nothing in this part shall preclude the use, including the exclusive use, of any credible evidence or information, relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed.

[38 FR 28565, Oct. 15, 1973, as amended at 39 FR 39873, Nov. 12, 1974; 43 FR 8800, Mar. 3, 1978; 45 FR 23379, Apr. 4, 1980; 48 FR 48335, Oct. 18, 1983; 50 FR 53113, Dec. 27, 1985; 51 FR 1790, Jan. 15, 1986; 52 FR 9781, Mar. 26, 1987; 62 FR 8328, Feb. 24, 1997; 65 FR 61749, Oct. 17, 2000]

§ 60.12 CIRCUMVENTION.

No owner or operator subject to the provisions of this part shall build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere.

[39 FR 9314, Mar. 8, 1974]

§ 60.13 MONITORING REQUIREMENTS.

(a) For the purposes of this section, all continuous monitoring systems required under applicable subparts shall be subject to the provisions of this section upon promulgation of performance specifications for continuous monitoring systems under appendix B to this part and, if the continuous monitoring system is used to demonstrate compliance with emission limits on a continuous basis, appendix F to this part, unless otherwise specified in an applicable subpart or by the Administrator. Appendix F is applicable December 4, 1987.

(b) All continuous monitoring systems and monitoring devices shall be installed and operational prior to conducting performance tests under §60.8. Verification of operational status shall, as a minimum, include completion of the manufacturer's written requirements or recommendations for installation, operation, and calibration of the device.

(c) If the owner or operator of an affected facility elects to submit continuous opacity monitoring system (COMS) data for compliance with the opacity standard as provided under §60.11(e)(5), he shall conduct a performance evaluation of the COMS as specified in Performance Specification 1, appendix B, of this part before the performance test required under §60.8 is conducted. Otherwise, the owner or operator of an affected facility shall conduct a performance evaluation of the COMS or continuous emission monitoring system (CEMS) during any performance test required under §60.8 or within 30 days thereafter in accordance with the applicable performance specification in appendix B of this part, The owner or operator of an affected facility shall conduct COMS or CEMS performance evaluations at such other times as may be required by the Administrator under section 114 of the Act.

(1) The owner or operator of an affected facility using a COMS to determine opacity compliance during any performance test required under §60.8 and as described in §60.11(e)(5) shall furnish the Administrator two or, upon request, more copies of a written report of the results of the COMS performance evaluation described in paragraph (c) of this section at least 10 days before the performance test required under §60.8 is conducted.

(2) Except as provided in paragraph (c)(1) of this section, the owner or operator of an affected facility shall furnish the Administrator within 60 days of completion two or, upon request, more copies of a written report of the results of the performance evaluation.

(d)

(1) Owners and operators of a CEMS installed in accordance with the provisions of this part, must check the zero (or low level value between 0 and 20 percent of span value) and span (50 to 100 percent of span value) calibration drifts at least once daily in accordance with a written procedure. The zero and span must, as a minimum, be adjusted whenever either the 24-hour zero drift or the 24-hour span drift exceeds two times the limit of the applicable performance specification in appendix B of this part. The system must allow the amount of the excess zero and span drift to be recorded and quantified whenever specified. Owners and operators of a COMS installed in accordance with the provisions of this part, must automatically, intrinsic to the opacity monitor, check the zero and upscale (span) calibration drifts at least once daily. For a particular COMS, the acceptable range of zero and upscale calibration materials is as defined in the applicable version of PS–1 in appendix B of this part. For a COMS, the optical surfaces, exposed to the effluent gases, must be cleaned before performing the zero and upscale drift adjustments, except for systems using automatic zero adjustments. The optical surfaces must be cleaned when the cumulative automatic zero compensation exceeds 4 percent opacity.

(2) Unless otherwise approved by the Administrator, the following procedures must be followed for a COMS. Minimum procedures must include an automated method for producing a simulated zero opacity condition and an upscale opacity condition using a certified neutral density filter or other related technique to produce a known obstruction of the light beam. Such procedures must provide a system check of all active analyzer internal optics with power or curvature, all active electronic circuitry including the light source and photodetector assembly, and electronic or electro-mechanical systems and hardware and or software used during normal measurement operation.

(e) Except for system breakdowns, repairs, calibration checks, and zero and span adjustments required under paragraph (d) of this section, all continuous monitoring systems shall be in continuous operation and shall meet minimum frequency of operation requirements as follows:

(1) All continuous monitoring systems referenced by paragraph (c) of this section for measuring opacity of emissions shall complete a minimum of one cycle of sampling and analyzing for each successive 10-second period and one cycle of data recording for each successive 6-minute period.

(2) All continuous monitoring systems referenced by paragraph (c) of this section for measuring emissions, except opacity, shall complete a minimum of one cycle of operation (sampling, analyzing, and data recording) for each successive 15-minute period.

(f) All continuous monitoring systems or monitoring devices shall be installed such that representative measurements of emissions or process parameters from the affected facility are obtained. Additional procedures for location of continuous monitoring systems contained in the applicable Performance Specifications of appendix B of this part shall be used.

(g) When the effluents from a single affected facility or two or more affected facilities subject to the same emission standards are combined before being released to the atmosphere, the owner or operator may install applicable continuous monitoring systems on each effluent or on the combined effluent. When the affected facilities are not subject to the same emission standards, separate continuous monitoring systems shall be installed on each effluent. When the effluent from one affected facility is released to the atmosphere through more than one point, the owner or operator shall install an applicable continuous monitoring system on each separate effluent unless the installation of fewer systems is approved by the Administrator. When more than one continuous monitoring system is used to measure the emissions from one affected facility (e.g., multiple breechings, multiple outlets), the owner or operator shall report the results as required from each continuous monitoring system.

(h)

(1) Owners or operators of all continuous monitoring systems for measurement of opacity shall reduce all data to 6-minute averages and for continuous monitoring systems other than opacity to 1-hour averages for time periods as defined in §60.2. Six-minute opacity averages shall be calculated from 36 or more data points equally spaced over each 6-minute period.

(2) For continuous monitoring systems other than opacity, 1-hour averages shall be computed as follows, except that the provisions pertaining to the validation of partial operating hours are only applicable for affected facilities that are required by the applicable subpart to include partial hours in the emission calculations:

(i) Except as provided under paragraph (h)(2)(iii) of this section, for a full operating hour (any clock hour with 60 minutes of unit operation), at least four valid data points are required to calculate the hourly average, *i.e.* , one data point in each of the 15-minute quadrants of the hour.

(ii) Except as provided under paragraph (h)(2)(iii) of this section, for a partial operating hour (any clock hour with less than 60 minutes of unit operation), at least one valid data point in each 15-minute quadrant of the hour in which the unit operates is required to calculate the hourly average.

(iii) For any operating hour in which required maintenance or quality-assurance activities are performed:

(A) If the unit operates in two or more quadrants of the hour, a minimum of two valid data points, separated by at least 15 minutes, is required to calculate the hourly average; or

(B) If the unit operates in only one quadrant of the hour, at least one valid data point is required to calculate the hourly average.

(iv) If a daily calibration error check is failed during any operating hour, all data for that hour shall be invalidated, unless a subsequent calibration error test is passed in the same hour and the requirements of paragraph (h)(2)(iii) of this section are met, based solely on valid data recorded after the successful calibration.

(v) For each full or partial operating hour, all valid data points shall be used to calculate the hourly average.

(vi) Except as provided under paragraph (h)(2)(vii) of this section, data recorded during periods of continuous monitoring system breakdown, repair, calibration checks, and zero and span adjustments shall not be included in the data averages computed under this paragraph.

(vii) Owners and operators complying with the requirements of §60.7(f)(1) or (2) must include any data recorded during periods of monitor breakdown or malfunction in the data averages.

(viii) When specified in an applicable subpart, hourly averages for certain partial operating hours shall not be computed or included in the emission averages (*e.g.* hours with < 30 minutes of unit operation under §60.47b(d)).

(ix) Either arithmetic or integrated averaging of all data may be used to calculate the hourly averages. The data may be recorded in reduced or nonreduced form (*e.g.* , ppm pollutant and percent O_2or ng/J of pollutant).

(3) All excess emissions shall be converted into units of the standard using the applicable conversion procedures specified in the applicable subpart. After conversion into units of the standard, the data may be rounded to the same number of significant digits used in the applicable subpart to specify the emission limit.

(i) After receipt and consideration of written application, the Administrator may approve alternatives to any monitoring procedures or requirements of this part including, but not limited to the following:

(1) Alternative monitoring requirements when installation of a continuous monitoring system or monitoring device specified by this part would not provide accurate measurements due to liquid water or other interferences caused by substances in the effluent gases.

(2) Alternative monitoring requirements when the affected facility is infrequently operated.

(3) Alternative monitoring requirements to accommodate continuous monitoring systems that require additional measurements to correct for stack moisture conditions.

(4) Alternative locations for installing continuous monitoring systems or monitoring devices when the owner or operator can demonstrate that installation at alternate locations will enable accurate and representative measurements.

(5) Alternative methods of converting pollutant concentration measurements to units of the standards.

(6) Alternative procedures for performing daily checks of zero and span drift that do not involve use of span gases or test cells.

(7) Alternatives to the A.S.T.M. test methods or sampling procedures specified by any subpart.

(8) Alternative continuous monitoring systems that do not meet the design or performance requirements in Performance Specification 1, appendix B, but adequately demonstrate a definite and consistent relationship between its measurements and the measurements of opacity by a system complying with the requirements in Performance Specification 1. The Administrator may require that such demonstration be performed for each affected facility.

(9) Alternative monitoring requirements when the effluent from a single affected facility or the combined effluent from two or more affected facilities is released to the atmosphere through more than one point.

(j) An alternative to the relative accuracy (RA) test specified in Performance Specification 2 of appendix B may be requested as follows:

(1) An alternative to the reference method tests for determining RA is available for sources with emission rates demonstrated to be less than 50 percent of the applicable standard. A source owner or operator may petition the Administrator to waive the RA test in Section 8.4 of Performance Specification 2 and substitute the procedures in Section 16.0 if the results of a performance test conducted according to the requirements in §60.8 of this subpart or other tests performed following the criteria in §60.8 demonstrate that the emission rate of the pollutant of interest in the units of the applicable standard is less than 50 percent of the applicable standard. For sources subject to standards expressed as control efficiency levels, a source owner or operator may petition the Administrator to waive the RA test and substitute the procedures in Section 16.0 of Performance Specification 2 if the control device exhaust emission rate is less than 50 percent of the level needed to meet the control efficiency requirement. The alternative procedures do not apply if the continuous emission monitoring system is used to determine compliance continuously with the applicable standard. The petition to waive the RA test shall include a detailed description of the procedures to be applied. Included shall be location and procedure for conducting the alternative, the concentration or response levels of the alternative RA materials, and the other equipment checks included in the alternative procedure. The Administrator will review the petition for completeness and applicability. The determination to grant a waiver will depend on the intended use of the CEMS data (e.g., data collection purposes other than NSPS) and may require specifications more stringent than in Performance Specification 2 (e.g., the applicable emission limit is more stringent than NSPS).

(2) The waiver of a CEMS RA test will be reviewed and may be rescinded at such time, following successful completion of the alternative RA procedure, that the CEMS data indicate that the source emissions are approaching the level. The criterion for reviewing the waiver is the collection of CEMS data showing that emissions have exceeded 70 percent of the applicable standard for seven, consecutive, averaging periods as specified by the applicable regulation(s). For sources subject to standards expressed as control efficiency levels, the criterion for reviewing the waiver is the collection of CEMS data showing that exhaust emissions have exceeded 70 percent of the level needed to meet the control efficiency requirement for seven, consecutive, averaging periods as specified by the applicable regulation(s) [e.g., §60.45(g) (2) and (3), §60.73(e), and §60.84(e)]. It is the responsibility of the source operator to maintain records and determine the level of emissions relative to the criterion on the waiver of RA testing. If this criterion is exceeded, the owner or operator must notify the Administrator within 10 days of such occurrence and include a description of the nature and cause of the increasing emissions. The Administrator will review the notification and may rescind the waiver and require the owner or operator to conduct a RA test of the CEMS as specified in Section 8.4 of Performance Specification 2.

[40 FR 46255, Oct. 6, 1975; 40 FR 59205, Dec. 22, 1975, as amended at 41 FR 35185, Aug. 20, 1976; 48 FR 13326, Mar. 30, 1983; 48 FR 23610, May 25, 1983; 48 FR 32986, July 20, 1983; 52 FR 9782, Mar. 26, 1987; 52 FR 17555, May 11, 1987; 52 FR 21007, June 4, 1987; 64 FR 7463, Feb. 12, 1999; 65 FR 48920, Aug. 10, 2000; 65 FR 61749, Oct. 17, 2000; 66 FR 44980, Aug. 27, 2001; 71 FR 31102, June 1, 2006; 72 FR 32714, June 13, 2007]

Editorial Note: At 65 FR 61749, Oct. 17, 2000, §60.13 was amended by revising the words "ng/J of pollutant" to read "ng of pollutant per J of heat input" in the sixth sentence of paragraph (h). However, the amendment could not be incorporated because the words "ng/J of pollutant" do not exist in the sixth sentence of paragraph (h).

§ 60.14 MODIFICATION.

(a) Except as provided under paragraphs (e) and (f) of this section, any physical or operational change to an existing facility which results in an increase in the emission rate to the atmosphere of any pollutant to which a standard applies shall be considered a modification within the meaning of section 111 of the Act. Upon modification, an existing facility shall become an affected facility for each pollutant to which a standard applies and for which there is an increase in the emission rate to the atmosphere.

(b) Emission rate shall be expressed as kg/hr of any pollutant discharged into the atmosphere for which a standard is applicable. The Administrator shall use the following to determine emission rate:

(1) Emission factors as specified in the latest issue of "Compilation of Air Pollutant Emission Factors," EPA Publication No. AP–42, or other emission factors determined by the Administrator to be superior to AP–42 emission factors, in cases where utilization of emission factors demonstrates that the emission level resulting from the physical or operational change will either clearly increase or clearly not increase.

(2) Material balances, continuous monitor data, or manual emission tests in cases where utilization of emission factors as referenced in paragraph (b)(1) of this section does not demonstrate to the Administrator's satisfaction whether the emission level resulting from the physical or operational change will either clearly increase or clearly not increase, or where an owner or operator demonstrates to the Administrator's satisfaction that there are reasonable grounds to dispute the result obtained by the Administrator utilizing emission factors as referenced in paragraph (b)(1) of this section. When the emission rate is based on results from manual emission tests or continuous monitoring systems, the procedures specified in appendix C of this part shall be used to determine whether an increase in emission rate has occurred. Tests shall be conducted under such conditions as the Administrator shall specify to the owner or operator based on representative performance of the facility. At least three valid test runs must be conducted before and at least three after the physical or operational change. All operating parameters which may affect emissions must be held constant to the maximum feasible degree for all test runs.

(c) The addition of an affected facility to a stationary source as an expansion to that source or as a replacement for an existing facility shall not by itself bring within the applicability of this part any other facility within that source.

(d) [Reserved]

(e) The following shall not, by themselves, be considered modifications under this part:

(1) Maintenance, repair, and replacement which the Administrator determines to be routine for a source category, subject to the provisions of paragraph (c) of this section and §60.15.

(2) An increase in production rate of an existing facility, if that increase can be accomplished without a capital expenditure on that facility.

(3) An increase in the hours of operation.

(4) Use of an alternative fuel or raw material if, prior to the date any standard under this part becomes applicable to that source type, as provided by §60.1, the existing facility was designed to accommodate that alternative use. A facility shall be considered to be designed to accommodate an alternative fuel or raw material if that use could be accomplished under the facility's construction specifications as amended prior to the change. Conversion to coal required for energy considerations, as specified in section 111(a)(8) of the Act, shall not be considered a modification.

(5) The addition or use of any system or device whose primary function is the reduction of air pollutants, except when an emission control system is removed or is replaced by a system which the Administrator determines to be less environmentally beneficial.

(6) The relocation or change in ownership of an existing facility.

(f) Special provisions set forth under an applicable subpart of this part shall supersede any conflicting provisions of this section.

(g) Within 180 days of the completion of any physical or operational change subject to the control measures specified in paragraph (a) of this section, compliance with all applicable standards must be achieved.

(h) No physical change, or change in the method of operation, at an existing electric utility steam generating unit shall be treated as a modification for the purposes of this section provided that such change does not increase the maximum hourly emissions of any pollutant regulated under this section above the maximum hourly emissions achievable at that unit during the 5 years prior to the change.

(i) Repowering projects that are awarded funding from the Department of Energy as permanent clean coal technology demonstration projects (or similar projects funded by EPA) are exempt from the requirements of this section provided that such change does not increase the maximum hourly emissions of any pollutant regulated under this section above the maximum hourly emissions achievable at that unit during the five years prior to the change.

(j)

(1) Repowering projects that qualify for an extension under section 409(b) of the Clean Air Act are exempt from the requirements of this section, provided that such change does not increase the actual hourly emissions of any

pollutant regulated under this section above the actual hourly emissions achievable at that unit during the 5 years prior to the change.

(2) This exemption shall not apply to any new unit that:

(i) Is designated as a replacement for an existing unit;

(ii) Qualifies under section 409(b) of the Clean Air Act for an extension of an emission limitation compliance date under section 405 of the Clean Air Act; and

(iii) Is located at a different site than the existing unit.

(k) The installation, operation, cessation, or removal of a temporary clean coal technology demonstration project is exempt from the requirements of this section. A *temporary clean coal control technology demonstration project,* for the purposes of this section is a clean coal technology demonstration project that is operated for a period of 5 years or less, and which complies with the State implementation plan for the State in which the project is located and other requirements necessary to attain and maintain the national ambient air quality standards during the project and after it is terminated.

(l) The reactivation of a very clean coal-fired electric utility steam generating unit is exempt from the requirements of this section.

[40 FR 58419, Dec. 16, 1975, as amended at 43 FR 34347, Aug. 3, 1978; 45 FR 5617, Jan. 23, 1980; 57 FR 32339, July 21, 1992; 65 FR 61750, Oct. 17, 2000]

§ 60.15 RECONSTRUCTION.

(a) An existing facility, upon reconstruction, becomes an affected facility, irrespective of any change in emission rate.

(b) "Reconstruction" means the replacement of components of an existing facility to such an extent that:

(1) The fixed capital cost of the new components exceeds 50 percent of the fixed capital cost that would be required to construct a comparable entirely new facility, and

(2) It is technologically and economically feasible to meet the applicable standards set forth in this part.

(c) "Fixed capital cost" means the capital needed to provide all the depreciable components.

(d) If an owner or operator of an existing facility proposes to replace components, and the fixed capital cost of the new components exceeds 50 percent of the fixed capital cost that would be required to construct a comparable entirely new facility, he shall notify the Administrator of the proposed replacements. The notice must be postmarked 60 days (or as soon as practicable) before construction of the replacements is commenced and must include the following information:

(1) Name and address of the owner or operator.

(2) The location of the existing facility.

(3) A brief description of the existing facility and the components which are to be replaced.

(4) A description of the existing air pollution control equipment and the proposed air pollution control equipment.

(5) An estimate of the fixed capital cost of the replacements and of constructing a comparable entirely new facility.

(6) The estimated life of the existing facility after the replacements.

(7) A discussion of any economic or technical limitations the facility may have in complying with the applicable standards of performance after the proposed replacements.

(e) The Administrator will determine, within 30 days of the receipt of the notice required by paragraph (d) of this section and any additional information he may reasonably require, whether the proposed replacement constitutes reconstruction.

(f) The Administrator's determination under paragraph (e) shall be based on:

(1) The fixed capital cost of the replacements in comparison to the fixed capital cost that would be required to construct a comparable entirely new facility;

(2) The estimated life of the facility after the replacements compared to the life of a comparable entirely new facility;

(3) The extent to which the components being replaced cause or contribute to the emissions from the facility; and

(4) Any economic or technical limitations on compliance with applicable standards of performance which are inherent in the proposed replacements.

(g) Individual subparts of this part may include specific provisions which refine and delimit the concept of reconstruction set forth in this section.

[40 FR 58420, Dec. 16, 1975]

§ 60.16 PRIORITY LIST.

A LIST OF PRIORITIZED MAJOR SOURCE CATEGORIES MAY BE FOUND AT THE FOLLOWING EPA WEB SITE: **HTTP://ECFR.GPOACCESS.GOV/CGI/T/TEXT/TEXT-IDX?C=ECFR&RGN=DIV6&VIEW=TEXT&NODE=40:6.0.1.1.1.1&IDNO=40**

§ 60.17 INCORPORATIONS BY REFERENCE.

The materials listed below are incorporated by reference in the corresponding sections noted. These incorporations by reference were approved by the Director of the Federal Register on the date listed. These materials are incorporated as they exist on the date of the approval, and a notice of any change in these materials will be published in the Federal Register. The materials are available for purchase at the corresponding address noted below, and all are available for inspection at the Library (C267–01), U.S. EPA, Research Triangle Park, NC or at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202–741–6030, or go to: *http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html.*

(a) The following materials are available for purchase from at least one of the following addresses: American Society for Testing and Materials (ASTM), 100 Barr Harbor Drive, Post Office Box C700, West Conshohocken, PA 19428–2959; or ProQuest, 300 North Zeeb Road, Ann Arbor, MI 48106.

(1) ASTM A99–76, 82 (Reapproved 1987), Standard Specification for Ferromanganese, incorporation by reference (IBR) approved for §60.261.

(2) ASTM A100–69, 74, 93, Standard Specification for Ferrosilicon, IBR approved for §60.261.

(3) ASTM A101–73, 93, Standard Specification for Ferrochromium, IBR approved for §60.261.

(4) ASTM A482–76, 93, Standard Specification for Ferrochromesilicon, IBR approved for §60.261.

(5) ASTM A483–64, 74 (Reapproved 1988), Standard Specification for Silicomanganese, IBR approved for §60.261.

(6) ASTM A495–76, 94, Standard Specification for Calcium-Silicon and Calcium Manganese-Silicon, IBR approved for §60.261.

(7) ASTM D86–78, 82, 90, 93, 95, 96, Distillation of Petroleum Products, IBR approved for §§60.562–2(d), 60.593(d), 60.593a(d), and 60.633(h).

(8) ASTM D129–64, 78, 95, 00, Standard Test Method for Sulfur in Petroleum Products (General Bomb Method), IBR approved for §§60.106(j)(2), 60.335(b)(10)(i), and Appendix A: Method 19, 12.5.2.2.3.

(9) ASTM D129–00 (Reapproved 2005), Standard Test Method for Sulfur in Petroleum Products (General Bomb Method), IBR approved for §60.4415(a)(1)(i).

(10) ASTM D240–76, 92, Standard Test Method for Heat of Combustion of Liquid Hydrocarbon Fuels by Bomb Calorimeter, IBR approved for §§60.46(c), 60.296(b), and Appendix A: Method 19, Section 12.5.2.2.3.

(11) ASTM D270–65, 75, Standard Method of Sampling Petroleum and Petroleum Products, IBR approved for Appendix A: Method 19, Section 12.5.2.2.1.

(12) ASTM D323–82, 94, Test Method for Vapor Pressure of Petroleum Products (Reid Method), IBR approved for §§60.111(l), 60.111a(g), 60.111b(g), and 60.116b(f)(2)(ii).

(13) ASTM D388–77, 90, 91, 95, 98a, 99 (Reapproved 2004)ε^1 , Standard Specification for Classification of Coals by Rank, IBR approved for §§60.24(h)(8), 60.41 of subpart D of this part, 60.45(f)(4)(i), 60.45(f)(4)(ii), 60.45(f)(4)(vi), 60.41Da of subpart Da of this part, 60.41b of subpart Db of this part, 60.41c of subpart Dc of this part, and 60.4102.

(14) ASTM D388–77, 90, 91, 95, 98a, Standard Specification for Classification of Coals by Rank, IBR approved for §§60.251(b) and (c) of subpart Y of this part.

(15) ASTM D396–78, 89, 90, 92, 96, 98, Standard Specification for Fuel Oils, IBR approved for §§60.41b of subpart Db of this part, 60.41c of subpart Dc of this part, 60.111(b) of subpart K of this part, and 60.111a(b) of subpart Ka of this part.

(16) ASTM D975–78, 96, 98a, Standard Specification for Diesel Fuel Oils, IBR approved for §§60.111(b) of subpart K of this part and 60.111a(b) of subpart Ka of this part.

(17) ASTM D1072–80, 90 (Reapproved 1994), Standard Test Method for Total Sulfur in Fuel Gases, IBR approved for §60.335(b)(10)(ii).

(18) ASTM D1072–90 (Reapproved 1999), Standard Test Method for Total Sulfur in Fuel Gases, IBR approved for §60.4415(a)(1)(ii).

(19) ASTM D1137–53, 75, Standard Method for Analysis of Natural Gases and Related Types of Gaseous Mixtures by the Mass Spectrometer, IBR approved for §60.45(f)(5)(i).

(20) ASTM D1193–77, 91, Standard Specification for Reagent Water, IBR approved for Appendix A: Method 5, Section 7.1.3; Method 5E, Section 7.2.1; Method 5F, Section 7.2.1; Method 6, Section 7.1.1; Method 7, Section 7.1.1; Method 7C, Section 7.1.1; Method 7D, Section 7.1.1; Method 10A, Section 7.1.1; Method 11, Section 7.1.3; Method 12, Section 7.1.3; Method 13A, Section 7.1.2; Method 26, Section 7.1.2; Method 26A, Section 7.1.2; and Method 29, Section 7.2.2.

(21) ASTM D1266–87, 91, 98, Standard Test Method for Sulfur in Petroleum Products (Lamp Method), IBR approved for §§60.106(j)(2) and 60.335(b)(10)(i).

(22) ASTM D1266–98 (Reapproved 2003)e1, Standard Test Method for Sulfur in Petroleum Products (Lamp Method), IBR approved for §60.4415(a)(1)(i).

(23) ASTM D1475–60 (Reapproved 1980), 90, Standard Test Method for Density of Paint, Varnish Lacquer, and Related Products, IBR approved for §60.435(d)(1), Appendix A: Method 24, Section 6.1; and Method 24A, Sections 6.5 and 7.1.

(24) ASTM D1552–83, 95, 01, Standard Test Method for Sulfur in Petroleum Products (High-Temperature Method), IBR approved for §§60.106(j)(2), 60.335(b)(10)(i), and Appendix A: Method 19, Section 12.5.2.2.3.

(25) ASTM D1552–03, Standard Test Method for Sulfur in Petroleum Products (High-Temperature Method), IBR approved for §60.4415(a)(1)(i).

(26) ASTM D1826–77, 94, Standard Test Method for Calorific Value of Gases in Natural Gas Range by Continuous Recording Calorimeter, IBR approved for §§60.45(f)(5)(ii), 60.46(c)(2), 60.296(b)(3), and Appendix A: Method 19, Section 12.3.2.4.

(27) ASTM D1835–87, 91, 97, 03a, Standard Specification for Liquefied Petroleum (LP) Gases, IBR approved for §§60.41Da of subpart Da of this part, 60.41b of subpart Db of this part, and 60.41c of subpart Dc of this part.

(28) ASTM D1945–64, 76, 91, 96, Standard Method for Analysis of Natural Gas by Gas Chromatography, IBR approved for §60.45(f)(5)(i).

(29) ASTM D1946–77, 90 (Reapproved 1994), Standard Method for Analysis of Reformed Gas by Gas Chromatography, IBR approved for §§60.18(f)(3), 60.45(f)(5)(i), 60.564(f)(1), 60.614(e)(2)(ii), 60.614(e)(4), 60.664(e)(2)(ii), 60.664(e)(4), 60.704(d)(2)(ii), and 60.704(d)(4).

(30) ASTM D2013–72, 86, Standard Method of Preparing Coal Samples for Analysis, IBR approved for Appendix A: Method 19, Section 12.5.2.1.3.

(31) ASTM D2015–77 (Reapproved 1978), 96, Standard Test Method for Gross Calorific Value of Solid Fuel by the Adiabatic Bomb Calorimeter, IBR approved for §60.45(f)(5)(ii), 60.46(c)(2), and Appendix A: Method 19, Section 12.5.2.1.3.

(32) ASTM D2016–74, 83, Standard Test Methods for Moisture Content of Wood, IBR approved for Appendix A: Method 28, Section 16.1.1.

(33) ASTM D2234–76, 96, 97b, 98, Standard Methods for Collection of a Gross Sample of Coal, IBR approved for Appendix A: Method 19, Section 12.5.2.1.1.

(34) ASTM D2369–81, 87, 90, 92, 93, 95, Standard Test Method for Volatile Content of Coatings, IBR approved for Appendix A: Method 24, Section 6.2.

(35) ASTM D2382–76, 88, Heat of Combustion of Hydrocarbon Fuels by Bomb Calorimeter (High-Precision Method), IBR approved for §§60.18(f)(3), 60.485(g)(6), 60.485a(g)(6), 60.564(f)(3), 60.614(e)(4), 60.664(e)(4), and 60.704(d)(4).

(36) ASTM D2504–67, 77, 88 (Reapproved 1993), Noncondensable Gases in C3 and Lighter Hydrocarbon Products by Gas Chromatography, IBR approved for §§60.485(g)(5) and 60.485a(g)(5).

(37) ASTM D2584–68 (Reapproved 1985), 94, Standard Test Method for Ignition Loss of Cured Reinforced Resins, IBR approved for §60.685(c)(3)(i).

(38) ASTM D2597–94 (Reapproved 1999), Standard Test Method for Analysis of Demethanized Hydrocarbon Liquid Mixtures Containing Nitrogen and Carbon Dioxide by Gas Chromatography, IBR approved for §60.335(b)(9)(i).

(39) ASTM D2622–87, 94, 98, Standard Test Method for Sulfur in Petroleum Products by Wavelength Dispersive X-Ray Fluorescence Spectrometry, IBR approved for §§60.106(j)(2) and 60.335(b)(10)(i).

(40) ASTM D2622–05, Standard Test Method for Sulfur in Petroleum Products by Wavelength Dispersive X-Ray Fluorescence Spectrometry, IBR approved for §60.4415(a)(1)(i).

(41) ASTM D2879–83, 96, 97, Test Method for Vapor Pressure-Temperature Relationship and Initial Decomposition Temperature of Liquids by Isoteniscope, IBR approved for §§60.111b(f)(3), 60.116b(e)(3)(ii), 60.116b(f)(2)(i), 60.485(e)(1), and 60.485a(e)(1).

(42) ASTM D2880–78, 96, Standard Specification for Gas Turbine Fuel Oils, IBR approved for §§60.111(b), 60.111a(b), and 60.335(d).

(43) ASTM D2908–74, 91, Standard Practice for Measuring Volatile Organic Matter in Water by Aqueous-Injection Gas Chromatography, IBR approved for §60.564(j).

(44) ASTM D2986–71, 78, 95a, Standard Method for Evaluation of Air, Assay Media by the Monodisperse DOP (Dioctyl Phthalate) Smoke Test, IBR approved for Appendix A: Method 5, Section 7.1.1; Method 12, Section 7.1.1; and Method 13A, Section 7.1.1.2.

(45) ASTM D3173–73, 87, Standard Test Method for Moisture in the Analysis Sample of Coal and Coke, IBR approved for Appendix A: Method 19, Section 12.5.2.1.3.

(46) ASTM D3176–74, 89, Standard Method for Ultimate Analysis of Coal and Coke, IBR approved for §60.45(f)(5)(i) and Appendix A: Method 19, Section 12.3.2.3.

(47) ASTM D3177–75, 89, Standard Test Method for Total Sulfur in the Analysis Sample of Coal and Coke, IBR approved for Appendix A: Method 19, Section 12.5.2.1.3.

(48) ASTM D3178–73 (Reapproved 1979), 89, Standard Test Methods for Carbon and Hydrogen in the Analysis Sample of Coal and Coke, IBR approved for §60.45(f)(5)(i).

(49) ASTM D3246–81, 92, 96, Standard Test Method for Sulfur in Petroleum Gas by Oxidative Microcoulometry, IBR approved for §60.335(b)(10)(ii).

(50) ASTM D3246–05, Standard Test Method for Sulfur in Petroleum Gas by Oxidative Microcoulometry, IBR approved for §60.4415(a)(1)(ii).

(51) ASTM D3270–73T, 80, 91, 95, Standard Test Methods for Analysis for Fluoride Content of the Atmosphere and Plant Tissues (Semiautomated Method), IBR approved for Appendix A: Method 13A, Section 16.1.

(52) ASTM D3286–85, 96, Standard Test Method for Gross Calorific Value of Coal and Coke by the Isoperibol Bomb Calorimeter, IBR approved for Appendix A: Method 19, Section 12.5.2.1.3.

(53) ASTM D3370–76, 95a, Standard Practices for Sampling Water, IBR approved for §60.564(j).

(54) ASTM D3792–79, 91, Standard Test Method for Water Content of Water-Reducible Paints by Direct Injection into a Gas Chromatograph, IBR approved for Appendix A: Method 24, Section 6.3.

(55) ASTM D4017–81, 90, 96a, Standard Test Method for Water in Paints and Paint Materials by the Karl Fischer Titration Method, IBR approved for Appendix A: Method 24, Section 6.4.

(56) ASTM D4057–81, 95, Standard Practice for Manual Sampling of Petroleum and Petroleum Products, IBR approved for Appendix A: Method 19, Section 12.5.2.2.3.

(57) ASTM D4057–95 (Reapproved 2000), Standard Practice for Manual Sampling of Petroleum and Petroleum Products, IBR approved for §60.4415(a)(1).

(58) ASTM D4084–82, 94, Standard Test Method for Analysis of Hydrogen Sulfide in Gaseous Fuels (Lead Acetate Reaction Rate Method), IBR approved for §60.334(h)(1).

(59) ASTM D4084–05, Standard Test Method for Analysis of Hydrogen Sulfide in Gaseous Fuels (Lead Acetate Reaction Rate Method), IBR approved for §§60.4360 and 60.4415(a)(1)(ii).

(60) ASTM D4177–95, Standard Practice for Automatic Sampling of Petroleum and Petroleum Products, IBR approved for Appendix A: Method 19, Section 12.5.2.2.1.

(61) ASTM D4177–95 (Reapproved 2000), Standard Practice for Automatic Sampling of Petroleum and Petroleum Products, IBR approved for §60.4415(a)(1).

(62) ASTM D4239–85, 94, 97, Standard Test Methods for Sulfur in the Analysis Sample of Coal and Coke Using High Temperature Tube Furnace Combustion Methods, IBR approved for Appendix A: Method 19, Section 12.5.2.1.3.

(63) ASTM D4294–02, Standard Test Method for Sulfur in Petroleum and Petroleum Products by Energy-Dispersive X-Ray Fluorescence Spectrometry, IBR approved for §60.335(b)(10)(i).

(64) ASTM D4294–03, Standard Test Method for Sulfur in Petroleum and Petroleum Products by Energy-Dispersive X-Ray Fluorescence Spectrometry, IBR approved for §60.4415(a)(1)(i).

(65) ASTM D4442–84, 92, Standard Test Methods for Direct Moisture Content Measurement in Wood and Wood-base Materials, IBR approved for Appendix A: Method 28, Section 16.1.1.

(66) ASTM D4444–92, Standard Test Methods for Use and Calibration of Hand-Held Moisture Meters, IBR approved for Appendix A: Method 28, Section 16.1.1.

(67) ASTM D4457–85 (Reapproved 1991), Test Method for Determination of Dichloromethane and 1, 1, 1-Trichloroethane in Paints and Coatings by Direct Injection into a Gas Chromatograph, IBR approved for Appendix A: Method 24, Section 6.5.

(68) ASTM D4468–85 (Reapproved 2000), Standard Test Method for Total Sulfur in Gaseous Fuels by Hydrogenolysis and Rateometric Colorimetry, IBR approved for §§60.335(b)(10)(ii) and 60.4415(a)(1)(ii).

(69) ASTM D4629–02, Standard Test Method for Trace Nitrogen in Liquid Petroleum Hydrocarbons by Syringe/Inlet Oxidative Combustion and Chemiluminescence Detection, IBR approved for §§60.49b(e) and 60.335(b)(9)(i).

(70) ASTM D4809–95, Standard Test Method for Heat of Combustion of Liquid Hydrocarbon Fuels by Bomb Calorimeter (Precision Method), IBR approved for §§60.18(f)(3), 60.485(g)(6), 60.485a(g)(6), 60.564(f)(3), 60.614(d)(4), 60.664(e)(4), and 60.704(d)(4).

(71) ASTM D4810–88 (Reapproved 1999), Standard Test Method for Hydrogen Sulfide in Natural Gas Using Length of Stain Detector Tubes, IBR approved for §§60.4360 and 60.4415(a)(1)(ii).

(72) ASTM D5287–97 (Reapproved 2002), Standard Practice for Automatic Sampling of Gaseous Fuels, IBR approved for §60.4415(a)(1).

(73) ASTM D5403–93, Standard Test Methods for Volatile Content of Radiation Curable Materials, IBR approved for Appendix A: Method 24, Section 6.6.

(74) ASTM D5453–00, Standard Test Method for Determination of Total Sulfur in Light Hydrocarbons, Motor Fuels and Oils by Ultraviolet Fluorescence, IBR approved for §60.335(b)(10)(i).

(75) ASTM D5453–05, Standard Test Method for Determination of Total Sulfur in Light Hydrocarbons, Motor Fuels and Oils by Ultraviolet Fluorescence, IBR approved for §60.4415(a)(1)(i).

(76) ASTM D5504–01, Standard Test Method for Determination of Sulfur Compounds in Natural Gas and Gaseous Fuels by Gas Chromatography and Chemiluminescence, IBR approved for §§60.334(h)(1) and 60.4360.

(77) ASTM D5762–02, Standard Test Method for Nitrogen in Petroleum and Petroleum Products by Boat-Inlet Chemiluminescence, IBR approved for §60.335(b)(9)(i).

(78) ASTM D5865–98, Standard Test Method for Gross Calorific Value of Coal and Coke, IBR approved for §60.45(f)(5)(ii), 60.46(c)(2), and Appendix A: Method 19, Section 12.5.2.1.3.

(79) ASTM D6216–98, Standard Practice for Opacity Monitor Manufacturers to Certify Conformance with Design and Performance Specifications, IBR approved for Appendix B, Performance Specification 1.

(80) ASTM D6228–98, Standard Test Method for Determination of Sulfur Compounds in Natural Gas and Gaseous Fuels by Gas Chromatography and Flame Photometric Detection, IBR approved for §60.334(h)(1).

(81) ASTM D6228–98 (Reapproved 2003), Standard Test Method for Determination of Sulfur Compounds in Natural Gas and Gaseous Fuels by Gas Chromatography and Flame Photometric Detection, IBR approved for §§60.4360 and 60.4415.

(82) ASTM D6348–03, Standard Test Method for Determination of Gaseous Compounds by Extractive Direct Interface Fourier Transform Infrared (FTIR) Spectroscopy, IBR approved for table 7 of Subpart IIII of this part and table 2 of subpart JJJJ of this part.

(83) ASTM D6366–99, Standard Test Method for Total Trace Nitrogen and Its Derivatives in Liquid Aromatic Hydrocarbons by Oxidative Combustion and Electrochemical Detection, IBR approved for §60.335(b)(9)(i).

(84) ASTM D6420–99 (Reapproved 2004) Standard Test Method for Determination of Gaseous Organic Compounds by Direct Interface Gas Chromatography-Mass Spectrometry, IBR approved for table 2 of subpart JJJJ of this part.

(85) ASTM D6522–00, Standard Test Method for Determination of Nitrogen Oxides, Carbon Monoxide, and Oxygen Concentrations in Emissions from Natural Gas-Fired Reciprocating Engines, Combustion Turbines, Boilers, and Process Heaters Using Portable Analyzers, IBR approved for §60.335(a).

(86) ASTM D6522–00 (Reapproved 2005), Standard Test Method for Determination of Nitrogen Oxides, Carbon Monoxide, and Oxygen Concentrations in Emissions from Natural Gas-Fired Reciprocating Engines, Combustion Turbines, Boilers, and Process Heaters Using Portable Analyzers, IBR approved for table 2 of subpart JJJJ of this part.

(87) ASTM D6667–01, Standard Test Method for Determination of Total Volatile Sulfur in Gaseous Hydrocarbons and Liquefied Petroleum Gases by Ultraviolet Fluorescence, IBR approved for §60.335(b)(10)(ii).

(88) ASTM D6667–04, Standard Test Method for Determination of Total Volatile Sulfur in Gaseous Hydrocarbons and Liquefied Petroleum Gases by Ultraviolet Fluorescence, IBR approved for §60.4415(a)(1)(ii).

(89) ASTM D6784–02, Standard Test Method for Elemental, Oxidized, Particle-Bound and Total Mercury in Flue Gas Generated from Coal-Fired Stationary Sources (Ontario Hydro Method), IBR approved for Appendix B to part 60, Performance Specification 12A, Section 8.6.2.

(90) ASTM E168–67, 77, 92, General Techniques of Infrared Quantitative Analysis, IBR approved for §§60.485a(d)(1), 60.593(b)(2), 60.593a(b)(2), and 60.632(f).

(91) ASTM E169–63, 77, 93, General Techniques of Ultraviolet Quantitative Analysis, IBR approved for §§60.485a(d)(1), 60.593(b)(2), 60.593a(b)(2), and 60.632(f).

(92) ASTM E260–73, 91, 96, General Gas Chromatography Procedures, IBR approved for §§60.485a(d)(1), 60.593(b)(2), 60.593a(b)(2), and 60.632(f).

(b) The following material is available for purchase from the Association of Official Analytical Chemists, 1111 North 19th Street, Suite 210, Arlington, VA 22209.

(1) AOAC Method 9, Official Methods of Analysis of the Association of Official Analytical Chemists, 11th edition, 1970, pp. 11–12, IBR approved January 27, 1983 for §§60.204(b)(3), 60.214(b)(3), 60.224(b)(3), 60.234(b)(3).

(c) The following material is available for purchase from the American Petroleum Institute, 1220 L Street NW., Washington, DC 20005.

(1) API Publication 2517, Evaporation Loss from External Floating Roof Tanks, Second Edition, February 1980, IBR approved January 27, 1983, for §§60.111(i), 60.111a(f), 60.111a(f)(1) and 60.116b(e)(2)(i).

(d) The following material is available for purchase from the Technical Association of the Pulp and Paper Industry (TAPPI), Dunwoody Park, Atlanta, GA 30341.

(1) TAPPI Method T624 os–68, IBR approved January 27, 1983 for §60.285(d)(3).

(e) The following material is available for purchase from the Water Pollution Control Federation (WPCF), 2626 Pennsylvania Avenue NW., Washington, DC 20037.

(1) Method 209A, Total Residue Dried at 103–105 °C, in Standard Methods for the Examination of Water and Wastewater, 15th Edition, 1980, IBR approved February 25, 1985 for §60.683(b).

(f) The following material is available for purchase from the following address: Underwriter's Laboratories, Inc. (UL), 333 Pfingsten Road, Northbrook, IL 60062.

(1) UL 103, Sixth Edition revised as of September 3, 1986, Standard for Chimneys, Factory-built, Residential Type and Building Heating Appliance.

(g) The following material is available for purchase from the following address: West Coast Lumber Inspection Bureau, 6980 SW. Barnes Road, Portland, OR 97223.

(1) West Coast Lumber Standard Grading Rules No. 16, pages 5–21 and 90 and 91, September 3, 1970, revised 1984.

(h) The following material is available for purchase from the American Society of Mechanical Engineers (ASME), Three Park Avenue, New York, NY 10016–5990.

(1) ASME QRO–1–1994, Standard for the Qualification and Certification of Resource Recovery Facility Operators, IBR approved for §§60.56a, 60.54b(a), 60.54b(b), 60.1185(a), 60.1185(c)(2), 60.1675(a), and 60.1675(c)(2).

(2) ASME PTC 4.1–1964 (Reaffirmed 1991), Power Test Codes: Test Code for Steam Generating Units (with 1968 and 1969 Addenda), IBR approved for §§60.46b of subpart Db of this part, 60.58a(h)(6)(ii), 60.58b(i)(6)(ii), 60.1320(a)(3) and 60.1810(a)(3).

(3) ASME Interim Supplement 19.5 on Instruments and Apparatus: Application, Part II of Fluid Meters, 6th Edition (1971), IBR approved for §§60.58a(h)(6)(ii), 60.58b(i)(6)(ii), 60.1320(a)4), and 60.1810(a)(4).

(4) ANSI/ASME PTC 19.10–1981, Flue and Exhaust Gas Analyses [Part 10, Instruments and Apparatus], IBR approved for Tables 1 and 3 of subpart EEEE, Tables 2 and 4 of subpart FFFF, Table 2 of subpart JJJJ, and §§60.4415(a)(2) and 60.4415(a)(3) of subpart KKKK of this part.

(i) Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Publication SW–846 Third Edition (November 1986), as amended by Updates I (July 1992), II (September 1994), IIA (August, 1993), IIB (January 1995), and III (December 1996). This document may be obtained from the U.S. EPA, Office of Solid Waste and Emergency Response, Waste Characterization Branch, Washington, DC 20460, and is incorporated by reference for appendix A to part 60, Method 29, Sections 7.5.34; 9.2.1; 9.2.3; 10.2; 10.3; 11.1.1; 11.1.3; 13.2.1; 13.2.2; 13.3.1; and Table 29–3.

(j) "Standard Methods for the Examination of Water and Wastewater," 16th edition, 1985. Method 303F: "Determination of Mercury by the Cold Vapor Technique." This document may be obtained from the American Public Health Association, 1015 18th Street, NW., Washington, DC 20036, and is incorporated by reference for appendix A to part 60, Method 29, Sections 9.2.3; 10.3; and 11.1.3.

(k) This material is available for purchase from the American Hospital Association (AHA) Service, Inc., Post Office Box 92683, Chicago, Illinois 60675–2683. You may inspect a copy at EPA's Air and Radiation Docket and Information Center (Docket A–91–61, Item IV–J–124), Room M–1500, 1200 Pennsylvania Ave., NW., Washington, DC.

(1) An Ounce of Prevention: Waste Reduction Strategies for Health Care Facilities. American Society for Health Care Environmental Services of the American Hospital Association. Chicago, Illinois. 1993. AHA Catalog No. 057007. ISBN 0–87258–673–5. IBR approved for §60.35e and §60.55c.

(l) This material is available for purchase from the National Technical Information Services, 5285 Port Royal Road, Springfield, Virginia 22161. You may inspect a copy at EPA's Air and Radiation Docket and Information Center (Docket A–91–61, Item IV–J–125), Room M–1500, 1200 Pennsylvania Ave., NW., Washington, DC.

(1) OMB Bulletin No. 93–17: Revised Statistical Definitions for Metropolitan Areas. Office of Management and Budget, June 30, 1993. NTIS No. PB 93–192–664. IBR approved for §60.31e.

(m) This material is available for purchase from at least one of the following addresses: The Gas Processors Association, 6526 East 60th Street, Tulsa, OK, 74145; or Information Handling Services, 15 Inverness Way East, PO Box 1154, Englewood, CO 80150–1154. You may inspect a copy at EPA's Air and Radiation Docket and Information Center, Room B108, 1301 Constitution Ave., NW., Washington, DC 20460.

(1) Gas Processors Association Method 2377–86, Test for Hydrogen Sulfide and Carbon Dioxide in Natural Gas Using Length of Stain Tubes, IBR approved for §§60.334(h)(1), 60.4360, and 60.4415(a)(1)(ii).

(2) [Reserved]

(n) This material is available for purchase from IHS Inc., 15 Inverness Way East, Englewood, CO 80112.

(1) International Organization for Standards 8178–4: 1996(E), Reciprocating Internal Combustion Engines—Exhaust Emission Measurement—Part 4: Test Cycles for Different Engine Applications, IBR approved for §60.4241(b).

(2) [Reserved]

[48 FR 3735, Jan. 27, 1983]

Editorial Note: For Federal Register citations affecting §60.17, see the List of CFR Sections Affected, which appears in the Finding Aids section of the printed volume and on GPO Access.

§ 60.18 GENERAL CONTROL DEVICE REQUIREMENTS.

(a) *Introduction.* This section contains requirements for control devices used to comply with applicable subparts of parts 60 and 61. The requirements are placed here for administrative convenience and only apply to facilities covered by subparts referring to this section.

(b) *Flares.* Paragraphs (c) through (f) apply to flares.

(c)

(1) Flares shall be designed for and operated with no visible emissions as determined by the methods specified in paragraph (f), except for periods not to exceed a total of 5 minutes during any 2 consecutive hours.

(2) Flares shall be operated with a flame present at all times, as determined by the methods specified in paragraph (f).

(3) An owner/operator has the choice of adhering to either the heat content specifications in paragraph (c)(3)(ii) of this section and the maximum tip velocity specifications in paragraph (c)(4) of this section, or adhering to the requirements in paragraph (c)(3)(i) of this section.

(i)

(A) Flares shall be used that have a diameter of 3 inches or greater, are nonassisted, have a hydrogen content of 8.0 percent (by volume), or greater, and are designed for and operated with an exit velocity less than 37.2 m/sec (122 ft/sec) and less than the velocity, V_{max}, as determined by the following equation:

$$V_{max}=(X_{H2}-K_1)* K_2$$

Where:

V_{max} = Maximum permitted velocity, m/sec.

K_1 = Constant, 6.0 volume-percent hydrogen.

K_2 = Constant, 3.9(m/sec)/volume-percent hydrogen.

X_{H2} = The volume-percent of hydrogen, on a wet basis, as calculated by using the American Society for Testing and Materials (ASTM) Method D1946–77. (Incorporated by reference as specified in §60.17).

(B) The actual exit velocity of a flare shall be determined by the method specified in paragraph (f)(4) of this section.

(ii) Flares shall be used only with the net heating value of the gas being combusted being 11.2 MJ/scm (300 Btu/scf) or greater if the flare is steam-assisted or air-assisted; or with the net heating value of the gas being combusted being 7.45 MJ/scm (200 Btu/scf) or greater if the flare is nonassisted. The net heating value of the gas being combusted shall be determined by the methods specified in paragraph (f)(3) of this section.

(4)

(i) Steam-assisted and nonassisted flares shall be designed for and operated with an exit velocity, as determined by the methods specified in paragraph (f)(4) of this section, less than 18.3 m/sec (60 ft/sec), except as provided in paragraphs (c)(4) (ii) and (iii) of this section.

(ii) Steam-assisted and nonassisted flares designed for and operated with an exit velocity, as determined by the methods specified in paragraph (f)(4), equal to or greater than 18.3 m/sec (60 ft/sec) but less than 122 m/sec (400 ft/sec) are allowed if the net heating value of the gas being combusted is greater than 37.3 MJ/scm (1,000 Btu/scf).

(iii) Steam-assisted and nonassisted flares designed for and operated with an exit velocity, as determined by the methods specified in paragraph (f)(4), less than the velocity, V_{max}, as determined by the method specified in paragraph (f)(5), and less than 122 m/sec (400 ft/sec) are allowed.

(5) Air-assisted flares shall be designed and operated with an exit velocity less than the velocity, V_{max}, as determined by the method specified in paragraph (f)(6).

(6) Flares used to comply with this section shall be steam-assisted, air-assisted, or nonassisted.

(d) Owners or operators of flares used to comply with the provisions of this subpart shall monitor these control devices to ensure that they are operated and maintained in conformance with their designs. Applicable subparts will provide provisions stating how owners or operators of flares shall monitor these control devices.

(e) Flares used to comply with provisions of this subpart shall be operated at all times when emissions may be vented to them.

(f)

(1) Method 22 of appendix A to this part shall be used to determine the compliance of flares with the visible emission provisions of this subpart. The observation period is 2 hours and shall be used according to Method 22.

(2) The presence of a flare pilot flame shall be monitored using a thermocouple or any other equivalent device to detect the presence of a flame.

(3) The net heating value of the gas being combusted in a flare shall be calculated using the following equation:

$$H_T = K \sum_{i=1}^{n} C_i H_i$$

where:

H_T = Net heating value of the sample, MJ/scm; where the net enthalpy per mole of off gas is based on combustion at 25 °C and 760 mm Hg, but the standard temperature for determining the volume corresponding to one mole is 20 °C;

$$K = \text{Constant}, 1.740 \times 10^{-7} \left(\frac{1}{ppm}\right) \left(\frac{g\ mole}{scm}\right) \left(\frac{MJ}{kcal}\right)$$

where the standard temperature for $\left(\frac{g\ mole}{scm}\right)$ is 20°C;

C_i = Concentration of sample component i in ppm on a wet basis, as measured for organics by Reference Method 18 and measured for hydrogen and carbon monoxide by ASTM D1946–77 or 90 (Reapproved 1994) (Incorporated by reference as specified in §60.17); and

H_i = Net heat of combustion of sample component i, kcal/g mole at 25 °C and 760 mm Hg. The heats of combustion may be determined using ASTM D2382–76 or 88 or D4809–95 (incorporated by reference as specified in §60.17) if published values are not available or cannot be calculated.

(4) The actual exit velocity of a flare shall be determined by dividing the volumetric flowrate (in units of standard temperature and pressure), as determined by Reference Methods 2, 2A, 2C, or 2D as appropriate; by the unobstructed (free) cross sectional area of the flare tip.

(5) The maximum permitted velocity, V_{max}, for flares complying with paragraph (c)(4)(iii) shall be determined by the following equation.

$$\text{Log}_{10}(V_{max})=(H_T+28.8)/31.7$$

V_{max} = Maximum permitted velocity, M/sec

28.8 = Constant

31.7 = Constant

H_T = The net heating value as determined in paragraph (f)(3).

(6) The maximum permitted velocity, V_{max}, for air-assisted flares shall be determined by the following equation.

$$V_{max} = 8.706+0.7084\ (H_T)$$

V_{max} = Maximum permitted velocity, m/sec

8.706 = Constant

0.7084 = Constant

H_T = The net heating value as determined in paragraph (f)(3).

[51 FR 2701, Jan. 21, 1986, as amended at 63 FR 24444, May 4, 1998; 65 FR 61752, Oct. 17, 2000]

§ 60.19 GENERAL NOTIFICATION AND REPORTING REQUIREMENTS.

(a) For the purposes of this part, time periods specified in days shall be measured in calendar days, even if the word "calendar" is absent, unless otherwise specified in an applicable requirement.

(b) For the purposes of this part, if an explicit postmark deadline is not specified in an applicable requirement for the submittal of a notification, application, report, or other written communication to the Administrator, the owner or operator shall postmark the submittal on or before the number of days specified in the applicable requirement. For example, if a notification must be submitted 15 days before a particular event is scheduled to take place, the notification shall be postmarked on or before 15 days preceding the event; likewise, if a notification must be submitted 15 days after a particular event takes place, the notification shall be delivered or postmarked on or before 15 days following the end of the event. The use of reliable non-Government mail carriers that provide indications of verifiable delivery of information required to be submitted to the Administrator, similar to the postmark provided by the U.S. Postal Service, or alternative means of delivery, including the use of electronic media, agreed to by the permitting authority, is acceptable.

(c) Notwithstanding time periods or postmark deadlines specified in this part for the submittal of information to the Administrator by an owner or operator, or the review of such information by the Administrator, such time periods or deadlines may be changed by mutual agreement between the owner or operator and the Administrator. Procedures governing the implementation of this provision are specified in paragraph (f) of this section.

(d) If an owner or operator of an affected facility in a State with delegated authority is required to submit periodic reports under this part to the State, and if the State has an established timeline for the submission of periodic reports that is consistent with the reporting frequency(ies) specified for such facility under this part, the owner or operator may change the dates by which periodic reports under this part shall be submitted (without changing the frequency of reporting) to be consistent with the State's schedule by mutual agreement between the owner or operator and the State. The allowance in the previous sentence applies in each State beginning 1 year after the affected facility is required to be in compliance with the applicable subpart in this part. Procedures governing the implementation of this provision are specified in paragraph (f) of this section.

(e) If an owner or operator supervises one or more stationary sources affected by standards set under this part and standards set under part 61, part 63, or both such parts of this chapter, he/she may arrange by mutual agreement between the owner or operator and the Administrator (or the State with an approved permit program) a common schedule on which periodic reports required by each applicable standard shall be submitted throughout the year. The allowance in the previous sentence applies in each State beginning 1 year after the stationary source is required to be in compliance with the applicable subpart in this part, or 1 year after the stationary source is required to be in compliance with the applicable 40 CFR part 61 or part 63 of this chapter standard, whichever is latest. Procedures governing the implementation of this provision are specified in paragraph (f) of this section.

(f)

(1)

(i) Until an adjustment of a time period or postmark deadline has been approved by the Administrator under paragraphs (f)(2) and (f)(3) of this section, the owner or operator of an affected facility remains strictly subject to the requirements of this part.

(ii) An owner or operator shall request the adjustment provided for in paragraphs (f)(2) and (f)(3) of this section each time he or she wishes to change an applicable time period or postmark deadline specified in this part.

(2) Notwithstanding time periods or postmark deadlines specified in this part for the submittal of information to the Administrator by an owner or operator, or the review of such information by the Administrator, such time periods or deadlines may be changed by mutual agreement between the owner or operator and the Administrator. An owner or operator who wishes to request a change in a time period or postmark deadline for a particular requirement shall request the adjustment in writing as soon as practicable before the subject activity is required to take place. The owner or operator shall include in the request whatever information he or she considers useful to convince the Administrator that an adjustment is warranted.

(3) If, in the Administrator's judgment, an owner or operator's request for an adjustment to a particular time period or postmark deadline is warranted, the Administrator will approve the adjustment. The Administrator will notify the owner or operator in writing of approval or disapproval of the request for an adjustment within 15 calendar days of receiving sufficient information to evaluate the request.

(4) If the Administrator is unable to meet a specified deadline, he or she will notify the owner or operator of any significant delay and inform the owner or operator of the amended schedule.

[59 FR 12428, Mar. 16, 1994, as amended at 64 FR 7463, Feb. 12, 1998]

40 CFR Part 60, Subpart Kb — Standards of Performance for Volatile Organic Liquid Storage Vessels

[Last Updated 10/15/03]
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Subpart Kb — Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984

§ 60.110b Applicability and designation of affected facility.

(a) Except as provided in paragraph (b) of this section, the affected facility to which this subpart applies is each storage vessel with a capacity greater than or equal to 75 cubic meters (m^3) that is used to store volatile organic liquids (VOL) for which construction, reconstruction, or modification is commenced after July 23, 1984.

(b) This subpart does not apply to storage vessels with a capacity greater than or equal to 151m3 storing a liquid with a maximum true vapor pressure less than 3.5 kilopascals (kPa) or with a capacity greater than or equal to 75 m^3 but less than 151 m^3 storing a liquid with a maximum true vapor pressure less than 15.0 kPa.

(c) [Reserved]

(d) This subpart does not apply to the following:

(1) Vessels at coke oven by-product plants.

(2) Pressure vessels designed to operate in excess of 204.9 kPa and without emissions to the atmosphere.

(3) Vessels permanently attached to mobile vehicles such as trucks, rail-cars, barges, or ships.

(4) Vessels with a design capacity less than or equal to 1,589.874 m^3 used for petroleum or condensate stored, processed, or treated prior to custody transfer.

(5) Vessels located at bulk gasoline plants.

(6) Storage vessels located at gasoline service stations.

(7) Vessels used to store beverage alcohol.

(8) Vessels subject to subpart GGGG of 40 CFR part 63.

(e) *Alternative means of compliance* -- (1) *Option to comply with part 65.* Owners or operators may choose to comply with 40 CFR part 65, subpart C, to satisfy the requirements of §§ 60.112b through 60.117b for storage vessels that are subject to this subpart that meet the specifications in paragraphs (e)(1)(i) and (ii) of this section. When choosing to comply with 40 CFR part 65, subpart C, the monitoring requirements of § 60.116b(c), (e), (f)(1), and (g) still apply. Other provisions applying to owners or operators who choose to comply with 40 CFR part 65 are provided in 40 CFR 65.1.

(i) A storage vessel with a design capacity greater than or equal to 151 m3 containing a VOL that, as stored, has a maximum true vapor pressure equal to or greater than 5.2 kPa; or

(ii) A storage vessel with a design capacity greater than 75 m3 but less than 151 m3 containing a VOL that, as stored, has a maximum true vapor pressure equal to or greater than 27.6 kPa.

(2) *Part 60, subpart A.* Owners or operators who choose to comply with 40 CFR part 65, subpart C, must also comply with §§ 60.1, 60.2, 60.5, 60.6, 60.7(a)(1) and (4), 60.14, 60.15, and 60.16 for those storage vessels. All sections and paragraphs of subpart A of this part that are not mentioned in this paragraph (e)(2) do not apply to owners or operators of storage vessels complying with 40 CFR part 65, subpart C, except that provisions required to be met prior to implementing 40 CFR part 65 still apply. Owners and operators who choose to comply with 40 CFR part 65, subpart C, must comply with 40 CFR part 65, subpart A.

(3) *Internal floating roof report.* If an owner or operator installs an internal floating roof and, at initial startup, chooses to comply with 40 CFR part 65, subpart C, a report shall be furnished to the Administrator stating that the control equipment meets the specifications of 40 CFR 65.43. This report shall be an attachment to the notification required by 40 CFR 65.5(b).

(4) *External floating roof report.* If an owner or operator installs an external floating roof and, at initial startup, chooses to comply with 40 CFR part 65, subpart C, a report shall be furnished to the Administrator stating that the control equipment meets the specifications of 40 CFR 65.44. This report shall be an attachment to the notification required by 40 CFR 65.5(b).

§ 60.111b Definitions.

Terms used in this subpart are defined in the Act, in subpart A of this part, or in this subpart as follows:

Bulk gasoline plant means any gasoline distribution facility that has a gasoline throughput less than or equal to 75,700 liters per day. Gasoline throughput shall be the maximum calculated design throughput as may be limited by compliance with an enforceable condition under Federal requirement or Federal, State or local law, and discoverable by the Administrator and any other person.

Condensate means hydrocarbon liquid separated from natural gas that condenses due to changes in the temperature or pressure, or both, and remains liquid at standard conditions.

Custody transfer means the transfer of produced petroleum and/or condensate, after processing and/or treatment in the producing operations, from storage vessels or automatic transfer facilities to pipelines or any other forms of transportation.

Fill means the introduction of VOL into a storage vessel but not necessarily to complete capacity.

Gasoline service station means any site where gasoline is dispensed to motor vehicle fuel tanks from stationary storage tanks.

Maximum true vapor pressure means the equilibrium partial pressure exerted by the volatile organic compounds (as defined in 40 CFR 51.100) in the stored VOL at the temperature equal to the highest calendar-month average of the VOL storage temperature for VOL's stored above or below the ambient temperature or at the local maximum monthly average temperature as reported by the National Weather Service for VOL's stored at the ambient temperature, as determined:

(1) In accordance with methods de-scribed in American Petroleum institute Bulletin 2517, Evaporation Loss From External Floating Roof Tanks, (incorporated by reference—see § 60.17); or

(2) As obtained from standard reference texts; or

(3) As determined by ASTM Method D2879–83, 96, or 97 (incorporated by reference— see § 60.17);

(4) Any other method approved by the Administrator.

Reid vapor pressure means the absolute vapor pressure of volatile crude oil and volatile nonviscous petroleum liquids except liquified petroleum gases, as determined by ASTM D323–82 or 94 (incorporated by reference—see § 60.17).

Petroleum means the crude oil removed from the earth and the oils derived from tar sands, shale, and coal.

Petroleum liquids means petroleum, condensate, and any finished or intermediate products manufactured in a petroleum refinery.

Process tank means a tank that is used within a process (including a solvent or raw material recovery process) to collect material discharged from a feedstock storage vessel or equipment within the process before the material is transferred to other equipment within the process, to a product or by-product storage vessel, or to a vessel used to store recovered solvent or raw material. In many process tanks, unit operations such as reactions and blending are conducted. Other process tanks, such as surge control vessels and bottoms receivers, however, may not involve unit operations.

Storage vessel means each tank, reservoir, or container used for the storage of volatile organic liquids but does not include:

(1) Frames, housing, auxiliary supports, or other components that are not directly involved in the containment of liquids or vapors;

(2) Subsurface caverns or porous rock reservoirs; or

(3) Process tanks.

Volatile organic liquid (VOL) means any organic liquid which can emit volatile organic compounds (as defined in 40 CFR 51.100) into the atmosphere.

Waste means any liquid resulting from industrial, commercial, mining or agricultural operations, or from community activities that is discarded or is being accumulated, stored, or physically, chemically, or biologically treated prior to being discarded or recycled.
[52 FR 11429, Apr. 8, 1987, as amended at 54 FR 32973, Aug. 11, 1989]

§ 60.112b Standard for volatile organic compounds (VOC).

(a) The owner or operator of each storage vessel either with a design capacity greater than or equal to 151 m^3 containing a VOL that, as stored, has a maximum true vapor pressure equal to or greater than 5.2 kPa but less than 76.6 kPa or with a design capacity greater than or equal to 75 m^3 but less than 151 m^3 containing a VOL that, as stored, has a maximum true vapor pressure equal to or greater than 27.6 kPa but less than 76.6 kPa, shall equip each storage vessel with one of the following:

(1) A fixed roof in combination with an internal floating roof meeting the following specifications:

(i) The internal floating roof shall rest or float on the liquid surface (but not necessarily in complete contact with it) inside a storage vessel that has a fixed roof. The internal floating roof shall be floating on the liquid surface at all times, except during initial fill and during those intervals when the storage vessel is completely emptied or subsequently emptied and refilled. When the roof is resting on the leg supports, the process of filling, emptying, or refilling shall be continuous and shall be accomplished as rapidly as possible.

(ii) Each internal floating roof shall be equipped with one of the following closure devices between the wall of the storage vessel and the edge of the internal floating roof:

(A) A foam- or liquid-filled seal mounted in contact with the liquid (liquid-mounted seal). A liquid-mounted seal means a foam- or liquid-filled seal mounted in contact with the liquid between the wall of the storage vessel and the floating roof continuously around the circumference of the tank.

(B) Two seals mounted one above the other so that each forms a continuous closure that completely covers the space between the wall of the storage vessel and the edge of the internal floating roof. The lower seal may be vapor-mounted, but both must be continuous.

(C) A mechanical shoe seal. A mechanical shoe seal is a metal sheet held vertically against the wall of the storage vessel by springs or weighted levers and is connected by braces to the floating

roof. A flexible coated fabric (envelope) spans the annular space between the metal sheet and the floating roof.

(iii) Each opening in a noncontact internal floating roof except for automatic bleeder vents (vacuum breaker vents) and the rim space vents is to provide a projection below the liquid surface.

(iv) Each opening in the internal floating roof except for leg sleeves, automatic bleeder vents, rim space vents, column wells, ladder wells, sample wells, and stub drains is to be equipped with a cover or lid which is to be maintained in a closed position at all times (i.e., no visible gap) except when the device is in actual use. The cover or lid shall be equipped with a gasket. Covers on each access hatch and automatic gauge float well shall be bolted except when they are in use.

(v) Automatic bleeder vents shall be equipped with a gasket and are to be closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports.

(vi) Rim space vents shall be equipped with a gasket and are to be set to open only when the internal floating roof is not floating or at the manufacturer's recommended setting.

(vii) Each penetration of the internal floating roof for the purpose of sampling shall be a sample well. The sample well shall have a slit fabric cover that covers at least 90 percent of the opening.

(viii) Each penetration of the internal floating roof that allows for passage of a column supporting the fixed roof shall have a flexible fabric sleeve seal or a gasketed sliding cover.

(ix) Each penetration of the internal floating roof that allows for passage of a ladder shall have a gasketed sliding cover.

(2) An external floating roof. An external floating roof means a pontoon-type or double-deck type cover that rests on the liquid surface in a vessel with no fixed roof. Each external floating roof must meet the following specifications:

(i) Each external floating roof shall be equipped with a closure device between the wall of the storage vessel and the roof edge. The closure device is to consist of two seals, one above the other. The lower seal is referred to as the primary seal, and the upper seal is referred to as the secondary seal.

(A) The primary seal shall be either a mechanical shoe seal or a liquid-mounted seal. Except as provided in § 60.113b(b)(4), the seal shall completely cover the annular space between the edge of the floating roof and tank wall.

(B) The secondary seal shall completely cover the annular space between the external floating roof and the wall of the storage vessel in a continuous fashion except as allowed in § 60.113b(b)(4).

(ii) Except for automatic bleeder vents and rim space vents, each opening in a noncontact external floating roof shall provide a projection below the liquid surface. Except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves, each opening in the roof is to be equipped with a gasketed cover, seal, or lid that is to be maintained in a closed position at all times (i.e., no visible gap) except when the device is in actual use. Automatic bleeder vents are to be closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Rim vents are to be set to open when the roof is being floated off the roof legs supports or at the manufacturer's recommended setting. Automatic bleeder vents and rim space vents are to be gasketed. Each emergency roof drain is to be provided with a slotted membrane fabric cover that covers at least 90 percent of the area of the opening.

(iii) The roof shall be floating on the liquid at all times (i.e., off the roof leg supports) except during initial fill until the roof is lifted off leg supports and when the tank is completely emptied and subsequently refilled. The process of filling, emptying, or refilling when the roof is resting on the leg supports shall be continuous and shall be accomplished as rapidly as possible.

(3) A closed vent system and control device meeting the following specifications:

(i) The closed vent system shall be designed to collect all VOC vapors and gases discharged from the storage vessel and operated with no detectable emissions as indicated by an instrument reading of less than 500 ppm above background and visual inspections, as determined in part 60, subpart VV, § 60.485(b).

(ii) The control device shall be designed and operated to reduce inlet VOC emissions by 95 percent or greater. If a flare is used as the control device, it shall meet the specifications described in the general control device requirements (§ 60.18) of the General Provisions.

(4) A system equivalent to those described in paragraphs (a)(1), (a)(2), or (a)(3) of this section as provided in § 60.114b of this subpart.

(b) The owner or operator of each storage vessel with a design capacity greater than or equal to 75 m^3 which contains a VOL that, as stored, has a maximum true vapor pressure greater than or equal to 76.6 kPa shall equip each storage vessel with one of the following:

(1) A closed vent system and control device as specified in § 60.112b(a)(3).

(2) A system equivalent to that described in paragraph (b)(1) as provided in § 60.114b of this subpart.

(c) *Site-specific standard for Merck & Co., Inc.'s Stonewall Plant in Elkton, Virginia.* This paragraph applies only to the pharmaceutical manufacturing facility, commonly referred to as the Stonewall Plant, located at Route 340 South, in Elkton, Virginia (''site'').

(1) For any storage vessel that otherwise would be subject to the control technology requirements of paragraphs (a) or (b) of this section, the site shall have the option of either complying directly with the requirements of this subpart, or reducing the site-wide total criteria pollutant emissions cap (total emissions cap) in accordance with the procedures set forth in a permit issued pursuant to 40 CFR 52.2454. If the site chooses the option of reducing the total emissions cap in accordance with the procedures set forth in such permit, the requirements of such permit shall apply in lieu of the otherwise applicable requirements of this subpart for such storage vessel.

(2) For any storage vessel at the site not subject to the requirements of 40 CFR 60.112b (a) or (b), the requirements of 40 CFR 60.116b (b) and (c) and the General Provisions (subpart A of this part) shall not apply. [52 FR 11429, Apr. 8, 1987, as amended at 62 FR 52641, Oct. 8, 1997]

§ 60.113b Testing and procedures.

The owner or operator of each storage vessel as specified in § 60.112b(a) shall meet the requirements of paragraph (a), (b), or (c) of this section. The applicable paragraph for a particular storage vessel depends on the control equipment installed to meet the requirements of § 60.112b.

(a) After installing the control equipment required to meet § 60.112b(a)(1) (permanently affixed roof and internal floating roof), each owner or operator shall:

(1) Visually inspect the internal floating roof, the primary seal, and the secondary seal (if one is in service), prior to filling the storage vessel with VOL. If there are holes, tears, or other openings in the primary seal, the secondary seal, or the seal fabric or defects in the internal floating roof, or both, the owner or operator shall repair the items before filling the storage vessel.

(2) For Vessels equipped with a liquid-mounted or mechanical shoe primary seal, visually inspect the internal floating roof and the primary seal or the secondary seal (if one is in service) through manholes and roof hatches on the fixed roof at least once every 12 months after initial fill. If the internal floating roof is not resting on the surface of the VOL inside the storage vessel, or there is liquid accumulated on the roof, or the seal is detached, or there are holes or tears in the seal fabric, the owner or operator shall repair the items or empty and remove the storage vessel from service within 45 days. If a failure that is detected during inspections required in this paragraph cannot be repaired within 45 days and if the vessel cannot be emptied within 45 days, a 30-day extension may be requested from the Administrator in the inspection report required in § 60.115b(a)(3). Such a request for an extension must document that alternate storage capacity is unavailable and specify a schedule of actions the company will take that will assure that the control equipment will be repaired or the vessel will be emptied as soon as possible.

(3) For vessels equipped with a double-seal system as specified in § 60.112b(a)(1)(ii)(B):

(i) Visually inspect the vessel as specified in paragraph (a)(4) of this section at least every 5 years; or

(ii) Visually inspect the vessel as specified in paragraph (a)(2) of this section.

(4) Visually inspect the internal floating roof, the primary seal, the secondary seal (if one is in service), gaskets, slotted membranes and sleeve seals (if any) each time the storage vessel is emptied and degassed. If the internal floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, or the gaskets no longer close off the liquid surfaces from the atmosphere, or the slotted membrane has more than 10 percent open area, the owner or operator shall repair the items as necessary so that none of the conditions specified in this paragraph exist before refilling the storage vessel with VOL. In no event shall inspections conducted in accordance with this provision occur at intervals greater than 10 years in the case of vessels conducting the annual visual inspection as specified in paragraphs (a)(2) and (a)(3)(ii) of this section and at intervals no greater than 5 years in the case of vessels specified in paragraph (a)(3)(i) of this section.

(5) Notify the Administrator in writing at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by paragraphs (a)(1) and (a)(4) of this section to afford the Administrator the opportunity to have an observer present. If the inspection required by paragraph (a)(4) of this section is not planned and the owner or operator could not have known about the inspection 30 days in advance or refilling the tank, the owner or operator shall notify the Administrator at least 7 days prior to the refilling of the storage vessel. Notification shall be made by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, this notification including the written documentation may be made in writing and sent by express mail so that it is received by the Administrator at least 7 days prior to the refilling.

(b) After installing the control equipment required to meet § 60.112b(a)(2) (external floating roof), the owner or operator shall:

(1) Determine the gap areas and maximum gap widths, between the primary seal and the wall of the storage vessel and between the secondary seal and the wall of the storage vessel according to the following frequency.

(i) Measurements of gaps between the tank wall and the primary seal (seal gaps) shall be performed during the hydrostatic testing of the vessel or within 60 days of the initial fill with VOL and at least once every 5 years thereafter.

(ii) Measurements of gaps between the tank wall and the secondary seal shall be performed within 60 days of the initial fill with VOL and at least once per year thereafter.

(iii) If any source ceases to store VOL for a period of 1 year or more, subsequent introduction of VOL into the vessel shall be considered an initial fill for the purposes of paragraphs (b)(1)(i) and (b)(1)(ii) of this section.

(2) Determine gap widths and areas in the primary and secondary seals individually by the following procedures:

(i) Measure seal gaps, if any, at one or more floating roof levels when the roof is floating off the roof leg supports.

(ii) Measure seal gaps around the entire circumference of the tank in each place where a 0.32-cm diameter uniform probe passes freely (without forcing or binding against seal) between the seal and the wall of the storage vessel and measure the circumferential distance of each such location.

(iii) The total surface area of each gap described in paragraph (b)(2)(ii) of this section shall be determined by using probes of various widths to measure accurately the actual distance from the tank wall to the seal and multiplying each such width by its respective circumferential distance.

(3) Add the gap surface area of each gap location for the primary seal and the secondary seal individually and divide the sum for each seal by the nominal diameter of the tank and compare each ratio to the respective standards in paragraph (b)(4) of this section.

(4) Make necessary repairs or empty the storage vessel within 45 days of identification in any inspection for seals not meeting the requirements listed in (b)(4) (i) and (ii) of this section:

(i) The accumulated area of gaps between the tank wall and the mechanical shoe or liquid-mounted primary seal shall not exceed 212 Cm^2 per meter of tank diameter, and the width of any portion of any gap shall not exceed 3.81 cm.

(A) One end of the mechanical shoe is to extend into the stored liquid, and the other end is to extend a minimum vertical distance of 61 cm above the stored liquid surface.

(B) There are to be no holes, tears, or other openings in the shoe, seal fabric, or seal envelope.

(ii) The secondary seal is to meet the following requirements:

(A) The secondary seal is to be installed above the primary seal so that it completely covers the space between the roof edge and the tank wall except as provided in paragraph (b)(2)(iii) of this section.

(B) The accumulated area of gaps between the tank wall and the secondary seal shall not exceed 21.2 cm 2 per meter of tank diameter, and the width of any portion of any gap shall not exceed 1.27 cm.

(C) There are to be no holes, tears, or other openings in the seal or seal fabric.

(iii) If a failure that is detected during inspections required in paragraph (b)(1) of § 60.113b(b) cannot be repaired within 45 days and if the vessel cannot be emptied within 45 days, a 30-day extension may be requested from the Administrator in the inspection report required in § 60.115b(b)(4). Such extension request must include a demonstration of unavailability of alternate storage capacity and a specification of a schedule that will assure that the control equipment will be repaired or the vessel will be emptied as soon as possible.

(5) Notify the Administrator 30 days in advance of any gap measurements required by paragraph (b)(1) of this section to afford the Administrator the opportunity to have an observer present.

(6) Visually inspect the external floating roof, the primary seal, secondary seal, and fittings each time the vessel is emptied and degassed.

(i) If the external floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, the owner or operator shall repair the items as necessary so that none of the conditions specified in this paragraph exist before filling or refilling the storage vessel with VOL.

(ii) For all the inspections required by paragraph (b)(6) of this section, the owner or operator shall notify the Administrator in writing at least 30 days prior to the filling or refilling of each storage vessel to afford the Administrator the opportunity to inspect the storage vessel prior to refilling. If the inspection required by paragraph (b)(6) of this section is not planned and the owner or operator could not have known about the inspection 30 days in advance of refilling the tank, the owner or operator shall notify the Administrator at least 7 days prior to the refilling of the storage vessel. Notification shall be made by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, this notification including the written documentation may be made in writing and sent by express mail so that it is received by the Administrator at least 7 days prior to the refilling.

(c) The owner or operator of each source that is equipped with a closed vent system and control device as required in § 60.112b (a)(3) or (b)(2) (other than a flare) is exempt from § 60.8 of the General Provisions and shall meet the following requirements.

(1) Submit for approval by the Administrator as an attachment to the notification required by § 60.7(a)(1) or, if the facility is exempt from § 60.7(a)(1), as an attachment to the notification required by § 60.7(a)(2), an operating plan containing the information listed below.

(i) Documentation demonstrating that the control device will achieve the required control efficiency during maximum loading conditions. This documentation is to include a description of the gas stream which enters the control device, including flow and VOC content under varying liquid level conditions (dynamic and static) and manufacturer's design specifications for the control device. If the control device or the closed vent capture system receives vapors, gases, or liquids other than fuels from sources that are not designated sources under this subpart, the efficiency demonstration is to include consideration of all vapors, gases, and liquids received by the closed vent capture system and control device. If an enclosed combustion device with a minimum residence time of 0.75 seconds and a minimum temperature of 816 °C is used to meet the 95 percent requirement, documentation that those conditions will exist is sufficient to meet the requirements of this paragraph.

(ii) A description of the parameter or parameters to be monitored to ensure that the control device will be operated in conformance with its design and an explanation of the criteria used for selection of that parameter (or parameters).

(2) Operate the closed vent system and control device and monitor the parameters of the closed vent system and control device in accordance with the operating plan submitted to the Administrator in accordance with paragraph (c)(1) of this section, unless the plan was modified by the Administrator during the review process. In this case, the modified plan applies.

(d) The owner or operator of each source that is equipped with a closed vent system and a flare to meet the requirements in § 60.112b (a)(3) or (b)(2) shall meet the requirements as specified in the general control device requirements, § 60.18 (e) and (f).
[52 FR 11429, Apr. 8, 1987, as amended at 54 FR 32973, Aug. 11, 1989]

§ 60.114b Alternative means of emission limitation.

(a) If, in the Administrator's judgment, an alternative means of emission limitation will achieve a reduction in emissions at least equivalent to the reduction in emissions achieved by any requirement in § 60.112b, the Administrator will publish in the FEDERAL REGISTER a notice permitting the use of the alternative means for purposes of compliance with that requirement.

(b) Any notice under paragraph (a) of this section will be published only after notice and an opportunity for a hearing.

(c) Any person seeking permission under this section shall submit to the Administrator a written application including:

(1) An actual emissions test that uses a full-sized or scale-model storage vessel that accurately collects and measures all VOC emissions from a given control device and that accurately simulates wind and accounts for other emission variables such as temperature and barometric pressure.

(2) An engineering evaluation that the Administrator determines is an accurate method of determining equivalence.

(d) The Administrator may condition the permission on requirements that may be necessary to ensure operation and maintenance to achieve the same emissions reduction as specified in § 60.112b.

§ 60.115b Reporting and recordkeeping requirements.

The owner or operator of each storage vessel as specified in § 60.112b(a) shall keep records and furnish reports as required by paragraphs (a), (b), or (c) of this section depending upon the control equipment installed to meet the requirements of § 60.112b. The owner or operator shall keep copies of all reports and records required by this section, except for the record required by (c)(1), for at least 2 years. The record required by (c)(1) will be kept for the life of the control equipment.

(a) After installing control equipment in accordance with § 60.112b(a)(1) (fixed roof and internal floating roof), the owner or operator shall meet the following requirements.

(1) Furnish the Administrator with a report that describes the control equipment and certifies that the control equipment meets the specifications of § 60.112b(a)(1) and § 60.113b(a)(1). This report shall be an attachment to the notification required by § 60.7(a)(3).

(2) Keep a record of each inspection performed as required by § 60.113b (a)(1), (a)(2), (a)(3), and (a)(4). Each record shall identify the storage vessel on which the inspection was performed and shall contain the date the vessel was inspected and the observed condition of each component of the control equipment (seals, internal floating roof, and fittings).

(3) If any of the conditions described in § 60.113b(a)(2) are detected during the annual visual inspection required by § 60.113b(a)(2), a report shall be furnished to the Administrator within 30 days of the inspection. Each report shall identify the storage vessel, the nature of the defects, and the date the storage vessel was emptied or the nature of and date the repair was made.

(4) After each inspection required by § 60.113b(a)(3) that finds holes or tears in the seal or seal fabric, or defects in the internal floating roof, or other control equipment defects listed in § 60.113b(a)(3)(ii), a report shall be furnished to the Administrator within 30 days of the inspection. The report shall identify the storage vessel and the reason it did not meet the specifications of § 61.112b(a)(1) or § 60.113b(a)(3) and list each repair made.

(b) After installing control equipment in accordance with § 61.112b(a)(2) (external floating roof), the owner or operator shall meet the following requirements.

(1) Furnish the Administrator with a report that describes the control equipment and certifies that the control equipment meets the specifications of § 60.112b(a)(2) and § 60.113b(b)(2), (b)(3), and (b)(4). This report shall be an attachment to the notification required by § 60.7(a)(3).

(2) Within 60 days of performing the seal gap measurements required by § 60.113b(b)(1), furnish the Administrator with a report that contains:

(i) The date of measurement.

(ii) The raw data obtained in the measurement.

(iii) The calculations described in § 60.113b (b)(2) and (b)(3).

(3) Keep a record of each gap measurement performed as required by § 60.113b(b). Each record shall identify the storage vessel in which the measurement was performed and shall contain:

(i) The date of measurement.

(ii) The raw data obtained in the measurement.

(iii) The calculations described in § 60.113b (b)(2) and (b)(3).

(4) After each seal gap measurement that detects gaps exceeding the limitations specified by § 60.113b(b)(4), submit a report to the Administrator within 30 days of the inspection. The report will identify the vessel and contain the information specified in paragraph (b)(2) of this section and the date the vessel was emptied or the repairs made and date of repair.

(c) After installing control equipment in accordance with § 60.112b (a)(3) or (b)(1) (closed vent system and control device other than a flare), the owner or operator shall keep the following records.

(1) A copy of the operating plan.

(2) A record of the measured values of the parameters monitored in accordance with § 60.113b(c)(2).

(d) After installing a closed vent system and flare to comply with § 60.112b, the owner or operator shall meet the following requirements.

(1) A report containing the measurements required by § 60.18(f) (1), (2), (3), (4), (5), and (6) shall be furnished to the Administrator as required by § 60.8 of the General Provisions. This report shall be submitted within 6 months of the initial start-up date.

(2) Records shall be kept of all periods of operation during which the flare pilot flame is absent.

(3) Semiannual reports of all periods recorded under § 60.115b(d)(2) in which the pilot flame was absent shall be furnished to the Administrator.

§ 60.116b Monitoring of operations.

(a) The owner or operator shall keep copies of all records required by this section, except for the record required by paragraph (b) of this section, for at least 2 years. The record required by paragraph (b) of this section will be kept for the life of the source.

(b) The owner or operator of each storage vessel as specified in § 60.110b(a) shall keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel.

(c) Except as provided in paragraphs (f) and (g) of this section, the owner or operator of each storage vessel either with a design capacity greater than or equal to 151 m^3 storing a liquid with a maximum true vapor pressure greater than or equal to 3.5 kPa or with a design capacity greater than or equal to 75 m^3 but less than 151 m^3 storing a liquid with a maximum true vapor pressure greater than or equal to 15.0 kPa shall maintain a record of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period.

(d) Except as provided in paragraph (g) of this section, the owner or operator of each storage vessel either with a design capacity greater than or equal to 151 m^3 storing a liquid with a maximum true vapor pressure that is normally less than 5.2 kPa or with a design capacity greater than or equal to 75 m^3 but less than 151 m^3 storing a liquid with a maximum true vapor pressure that is normally less than 27.6 kPa shall notify the Administrator within 30 days when the maximum true vapor pressure of the liquid exceeds the respective maximum true vapor pressure values for each volume range.

(e) Available data on the storage temperature may be used to determine the maximum true vapor pressure as determined below.

(1) For vessels operated above or below ambient temperatures, the maximum true vapor pressure is calculated based upon the highest expected calendar-month average of the storage temperature. For vessels operated at ambient temperatures, the maximum true vapor pressure is calculated based upon the maximum local monthly average ambient temperature as reported by the National Weather Service.

(2) For crude oil or refined petroleum products the vapor pressure may be obtained by the following:

(i) Available data on the Reid vapor pressure and the maximum expected storage temperature based on the highest expected calendar-month average temperature of the stored product may be used to determine the maximum true vapor pressure from nomographs contained in API Bulletin 2517 (incorporated by reference—see § 60.17), unless the Administrator specifically requests that the liquid be sampled, the actual storage temperature determined, and the Reid vapor pressure determined from the sample(s).

(ii) The true vapor pressure of each type of crude oil with a Reid vapor pressure less than 13.8 kPa or with physical properties that preclude determination by the recommended method is to be determined from available data and recorded if the estimated maximum true vapor pressure is greater than 3.5 kPa.

(3) For other liquids, the vapor pressure:

(i) May be obtained from standard reference texts, or
(ii) Determined by ASTM Method D2879–83, 96, or 97 (incorporated by reference— see § 60.17); or
(iii) Measured by an appropriate method approved by the Administrator; or
(iv) Calculated by an appropriate method approved by the Administrator.

(f) The owner or operator of each vessel storing a waste mixture of indeterminate or variable composition shall be subject to the following requirements.

(1) Prior to the initial filling of the vessel, the highest maximum true vapor pressure for the range of anticipated liquid compositions to be stored will be determined using the methods described in paragraph (e) of this section.

(2) For vessels in which the vapor pressure of the anticipated liquid composition is above the cutoff for monitoring but below the cutoff for controls as defined in §60.112b(a), an initial physical test of the vapor pressure is required; and a physical test at least once every 6 months thereafter is required as determined by the following methods:

(i) ASTM Method D2879–83, 96, or 97 (incorporated by reference—see § 60.17); or
(ii) ASTM Method D323–82 or 94 (incorporated by reference—see §60.17); or
(iii) As measured by an appropriate method as approved by the Administrator.

(g) The owner or operator of each vessel equipped with a closed vent system and control device meeting the specifications of § 60.112b or with emissions reduction equipment as specified in 40 CFR 65.5(b)(4), (b)(5), (b)(6), or (c) is exempt from the requirements of paragraphs (c) and (d) of this section.

§ 60.117b Delegation of authority.

(a) In delegating implementation and enforcement authority to a State under section 111(c) of the Act, the authorities contained in paragraph (b) of this section shall be retained by the Administrator and not transferred to a State.

(b) Authorities which will not be delegated to States: §§ 60.111b(f)(4), 60.114b, 60.116b(e)(3)(iii), 60.116b(e)(3)(iv), and 60.116b(f)(2)(iii).
[52 FR 11429, Apr. 8, 1987, as amended at 52 FR 22780, June 16, 1987]

40 CFR Part 60, Subpart VV-a — Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry Volatile Organic Liquid Storage Vessels

SUBPART VVA—STANDARDS OF PERFORMANCE FOR EQUIPMENT LEAKS OF VOC IN THE SYNTHETIC ORGANIC CHEMICALS MANUFACTURING INDUSTRY FOR WHICH CONSTRUCTION, RECONSTRUCTION, OR MODIFICATION COMMENCED AFTER NOVEMBER 7, 2006

Source: 72 FR 64883, Nov. 16, 2007, unless otherwise noted.

§ 60.480A APPLICABILITY AND DESIGNATION OF AFFECTED FACILITY.

(a)(1) The provisions of this subpart apply to affected facilities in the synthetic organic chemicals manufacturing industry.

(2) The group of all equipment (defined in §60.481a) within a process unit is an affected facility.

(b) Any affected facility under paragraph (a) of this section that commences construction, reconstruction, or modification after November 7, 2006, shall be subject to the requirements of this subpart.

(c) Addition or replacement of equipment for the purpose of process improvement which is accomplished without a capital expenditure shall not by itself be considered a modification under this subpart.

(d)(1) If an owner or operator applies for one or more of the exemptions in this paragraph, then the owner or operator shall maintain records as required in §60.486a(i).

(2) Any affected facility that has the design capacity to produce less than 1,000 Mg/yr (1,102 ton/yr) of a chemical listed in §60.489 is exempt from §§60.482–1a through 60.482–11a.

(3) If an affected facility produces heavy liquid chemicals only from heavy liquid feed or raw materials, then it is exempt from §§60.482–1a through 60.482–11a.

(4) Any affected facility that produces beverage alcohol is exempt from §§60.482–1a through 60.482–11a.

(5) Any affected facility that has no equipment in volatile organic compounds (VOC) service is exempt from §§60.482–1a through 60.482–11a.

(e) *Alternative means of compliance* —(1) *Option to comply with part 65.* (i) Owners or operators may choose to comply with the provisions of 40 CFR part 65, subpart F, to satisfy the requirements of §§60.482–1a through 60.487a for an affected facility. When choosing to comply with 40 CFR part 65, subpart F, the requirements of §§60.485a(d), (e), and (f), and 60.486a(i) and (j) still apply. Other provisions applying to an owner or operator who chooses to comply with 40 CFR part 65 are provided in 40 CFR 65.1.

(ii) *Part 60, subpart A.* Owners or operators who choose to comply with 40 CFR part 65, subpart F must also comply with §§60.1, 60.2, 60.5, 60.6, 60.7(a)(1) and (4), 60.14, 60.15, and 60.16 for that equipment. All sections and paragraphs of subpart A of this part that are not mentioned in this paragraph (e)(1)(ii) do not apply to owners or operators of equipment subject to this subpart complying with 40 CFR part 65, subpart F, except that provisions required to be met prior to implementing 40 CFR part 65 still apply. Owners and operators who choose to comply with 40 CFR part 65, subpart F, must comply with 40 CFR part 65, subpart A.

(2) *Part 63, subpart H.* (i) Owners or operators may choose to comply with the provisions of 40 CFR part 63, subpart H, to satisfy the requirements of §§60.482–1a through 60.487a for an affected facility. When choosing to comply with 40 CFR part 63, subpart H, the requirements of §60.485a(d), (e), and (f), and §60.486a(i) and (j) still apply.

(ii) *Part 60, subpart A.* Owners or operators who choose to comply with 40 CFR part 63, subpart H must also comply with §§60.1, 60.2, 60.5, 60.6, 60.7(a)(1) and (4), 60.14, 60.15, and 60.16 for that equipment. All sections and paragraphs of subpart A of this part that are not mentioned in this paragraph (e)(2)(ii) do not apply to owners or operators of equipment subject to this subpart complying with 40 CFR part 63, subpart H, except that provisions required to be met prior to implementing 40 CFR part 63 still apply. Owners and operators who choose to comply with 40 CFR part 63, subpart H, must comply with 40 CFR part 63, subpart A.

(f) *Stay of standards.* (1) Owners or operators that start a new, reconstructed, or modified affected source prior to November 16, 2007 are not required to comply with the requirements in this paragraph until EPA takes final action to require compliance and publishes a document in the Federal Register.

(i) The definition of “capital expenditure” in §60.481a of this subpart. While the definition of “capital expenditure” is stayed, owners or operators should use the definition found in §60.481 of subpart VV of this part.

(ii) [Reserved]

(2) Owners or operators are not required to comply with the requirements in this paragraph until EPA takes final action to require compliance and publishes a document in the Federal Register.

(i) The definition of “process unit” in §60.481a of this subpart. While the definition of “process unit” is stayed, owners or operators should use the following definition:

Process unit means components assembled to produce, as intermediate or final products, one or more of the chemicals listed in §60.489 of this part. A process unit can operate independently if supplied with sufficient feed or raw materials and sufficient storage facilities for the product.

(ii) The method of allocation of shared storage vessels in §60.482–1a(g) of this subpart.

(iii) The standards for connectors in gas/vapor service and in light liquid service in §60.482–11a of this subpart.

[72 FR 64883, Nov. 16, 2007, as amended at 73 FR 31375, June 2, 2008]

§ 60.481A DEFINITIONS.

As used in this subpart, all terms not defined herein shall have the meaning given them in the Clean Air Act (CAA) or in subpart A of part 60, and the following terms shall have the specific meanings given them.

Capital expenditure means, in addition to the definition in 40 CFR 60.2, an expenditure for a physical or operational change to an existing facility that:

(a) Exceeds P, the product of the facility's replacement cost, R, and an adjusted annual asset guideline repair allowance, A, as reflected by the following equation: P = R × A, where:

(1) The adjusted annual asset guideline repair allowance, A, is the product of the percent of the replacement cost, Y, and the applicable basic annual asset guideline repair allowance, B, divided by 100 as reflected by the following equation:

A = Y × (B ÷ 100);

(2) The percent Y is determined from the following equation: Y = 1.0 − 0.575 log X, where X is 2006 minus the year of construction; and

(3) The applicable basic annual asset guideline repair allowance, B, is selected from the following table consistent with the applicable subpart:

Table for Determining Applicable Value for B

Subpart applicable to facility	Value of B to be used in equation
VVa	12.5
GGGa	7.0

Closed-loop system means an enclosed system that returns process fluid to the process.

Closed-purge system means a system or combination of systems and portable containers to capture purged liquids. Containers for purged liquids must be covered or closed when not being filled or emptied.

Closed vent system means a system that is not open to the atmosphere and that is composed of hard-piping, ductwork, connections, and, if necessary, flow-inducing devices that transport gas or vapor from a piece or pieces of equipment to a control device or back to a process.

Connector means flanged, screwed, or other joined fittings used to connect two pipe lines or a pipe line and a piece of process equipment or that close an opening in a pipe that could be connected to another pipe. Joined fittings welded completely around the circumference of the interface are not considered connectors for the purpose of this regulation.

Control device means an enclosed combustion device, vapor recovery system, or flare.

Distance piece means an open or enclosed casing through which the piston rod travels, separating the compressor cylinder from the crankcase.

Double block and bleed system means two block valves connected in series with a bleed valve or line that can vent the line between the two block valves.

Duct work means a conveyance system such as those commonly used for heating and ventilation systems. It is often made of sheet metal and often has sections connected by screws or crimping. Hard-piping is not ductwork.

Equipment means each pump, compressor, pressure relief device, sampling connection system, open-ended valve or line, valve, and flange or other connector in VOC service and any devices or systems required by this subpart.

First attempt at repair means to take action for the purpose of stopping or reducing leakage of organic material to the atmosphere using best practices.

Fuel gas means gases that are combusted to derive useful work or heat.

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Fuel gas system means the offsite and onsite piping and flow and pressure control system that gathers gaseous stream(s) generated by onsite operations, may blend them with other sources of gas, and transports the gaseous stream for use as fuel gas in combustion devices or in-process combustion equipment, such as furnaces and gas turbines, either singly or in combination.

Hard-piping means pipe or tubing that is manufactured and properly installed using good engineering judgment and standards such as ASME B31.3, Process Piping (available from the American Society of Mechanical Engineers, P.O. Box 2300, Fairfield, NJ 07007–2300).

In gas/vapor service means that the piece of equipment contains process fluid that is in the gaseous state at operating conditions.

In heavy liquid service means that the piece of equipment is not in gas/vapor service or in light liquid service.

In light liquid service means that the piece of equipment contains a liquid that meets the conditions specified in §60.485a(e).

In-situ sampling systems means nonextractive samplers or in-line samplers.

In vacuum service means that equipment is operating at an internal pressure which is at least 5 kilopascals (kPa) (0.7 psia) below ambient pressure.

In VOC service means that the piece of equipment contains or contacts a process fluid that is at least 10 percent VOC by weight. (The provisions of §60.485a(d) specify how to determine that a piece of equipment is not in VOC service.)

Initial calibration value means the concentration measured during the initial calibration at the beginning of each day required in §60.485a(b)(1), or the most recent calibration if the instrument is recalibrated during the day (i.e., the calibration is adjusted) after a calibration drift assessment.

Liquids dripping means any visible leakage from the seal including spraying, misting, clouding, and ice formation.

Open-ended valve or line means any valve, except safety relief valves, having one side of the valve seat in contact with process fluid and one side open to the atmosphere, either directly or through open piping.

Pressure release means the emission of materials resulting from system pressure being greater than set pressure of the pressure relief device.

Process improvement means routine changes made for safety and occupational health requirements, for energy savings, for better utility, for ease of maintenance and operation, for correction of design deficiencies, for bottleneck removal, for changing product requirements, or for environmental control.

Process unit means the components assembled and connected by pipes or ducts to process raw materials and to produce, as intermediate or final products, one or more of the chemicals listed in §60.489. A process unit can operate independently if supplied with sufficient feed or raw materials and sufficient storage facilities for the product. For the purpose of this subpart, process unit includes any feed, intermediate and final product storage vessels (except as specified in §60.482–1a(g)), product transfer racks, and connected ducts and piping. A process unit includes all equipment as defined in this subpart.

Process unit shutdown means a work practice or operational procedure that stops production from a process unit or part of a process unit during which it is technically feasible to clear process material from a process unit or part of a process unit consistent with safety constraints and during which repairs can be accomplished. The following are not considered process unit shutdowns:

(1) An unscheduled work practice or operational procedure that stops production from a process unit or part of a process unit for less than 24 hours.

(2) An unscheduled work practice or operational procedure that would stop production from a process unit or part of a process unit for a shorter period of time than would be required to clear the process unit or part of the process unit of materials and start up the unit, and would result in greater emissions than delay of repair of leaking components until the next scheduled process unit shutdown.

(3) The use of spare equipment and technically feasible bypassing of equipment without stopping production.

Quarter means a 3-month period; the first quarter concludes on the last day of the last full month during the 180 days following initial startup.

Repaired means that equipment is adjusted, or otherwise altered, in order to eliminate a leak as defined in the applicable sections of this subpart and, except for leaks identified in accordance with §§60.482–2a(b)(2)(ii) and (d)(6)(ii) and (d)(6)(iii), 60.482–3a(f), and 60.482–10a(f)(1)(ii), is re-monitored as specified in §60.485a(b) to verify that emissions from the equipment are below the applicable leak definition.

Replacement cost means the capital needed to purchase all the depreciable components in a facility.

Sampling connection system means an assembly of equipment within a process unit used during periods of representative operation to take samples of the process fluid. Equipment used to take nonroutine grab samples is not considered a sampling connection system.

Sensor means a device that measures a physical quantity or the change in a physical quantity such as temperature, pressure, flow rate, pH, or liquid level.

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Storage vessel means a tank or other vessel that is used to store organic liquids that are used in the process as raw material feedstocks, produced as intermediates or final products, or generated as wastes. Storage vessel does not include vessels permanently attached to motor vehicles, such as trucks, railcars, barges or ships.

Synthetic organic chemicals manufacturing industry means the industry that produces, as intermediates or final products, one or more of the chemicals listed in §60.489.

Transfer rack means the collection of loading arms and loading hoses, at a single loading rack, that are used to fill tank trucks and/or railcars with organic liquids.

Volatile organic compounds or VOC means, for the purposes of this subpart, any reactive organic compounds as defined in §60.2 Definitions.

Effective Date Note: At 73 FR 31376, June 2, 2008, in §60.481a, the definitions of "capital expenditure" and "process unit" were stayed until further notice.

§ 60.482-1A STANDARDS: GENERAL.

(a) Each owner or operator subject to the provisions of this subpart shall demonstrate compliance with the requirements of §§60.482–1a through 60.482–10a or §60.480a(e) for all equipment within 180 days of initial startup.

(b) Compliance with §§60.482–1a to 60.482–10a will be determined by review of records and reports, review of performance test results, and inspection using the methods and procedures specified in §60.485a.

(c)(1) An owner or operator may request a determination of equivalence of a means of emission limitation to the requirements of §§60.482–2a, 60.482–3a, 60.482–5a, 60.482–6a, 60.482–7a, 60.482–8a, and 60.482–10a as provided in §60.484a.

(2) If the Administrator makes a determination that a means of emission limitation is at least equivalent to the requirements of §§60.482–2a, 60.482–3a, 60.482–5a, 60.482–6a, 60.482–7a, 60.482–8a, or 60.482–10a, an owner or operator shall comply with the requirements of that determination.

(d) Equipment that is in vacuum service is excluded from the requirements of §§60.482–2a through 60.482–10a if it is identified as required in §60.486a(e)(5).

(e) Equipment that an owner or operator designates as being in VOC service less than 300 hr/yr is excluded from the requirements of §§60.482–2a through 60.482–11a if it is identified as required in §60.486a(e)(6) and it meets any of the conditions specified in paragraphs (e)(1) through (3) of this section.

(1) The equipment is in VOC service only during startup and shutdown, excluding startup and shutdown between batches of the same campaign for a batch process.

(2) The equipment is in VOC service only during process malfunctions or other emergencies.

(3) The equipment is backup equipment that is in VOC service only when the primary equipment is out of service.

(f)(1) If a dedicated batch process unit operates less than 365 days during a year, an owner or operator may monitor to detect leaks from pumps, valves, and open-ended valves or lines at the frequency specified in the following table instead of monitoring as specified in §§60.482–2a, 60.482–7a, and 60.483.2a:

Operating time (percent of hours during year)	Equivalent monitoring frequency time in use		
	Monthly	Quarterly	Semiannually
0 to <25	Quarterly	Annually	Annually.
25 to <50	Quarterly	Semiannually	Annually.
50 to <75	Bimonthly	Three quarters	Semiannually.
75 to 100	Monthly	Quarterly	Semiannually.

(2) Pumps and valves that are shared among two or more batch process units that are subject to this subpart may be monitored at the frequencies specified in paragraph (f)(1) of this section, provided the operating time of all such process units is considered.

(3) The monitoring frequencies specified in paragraph (f)(1) of this section are not requirements for monitoring at specific intervals and can be adjusted to accommodate process operations. An owner or operator may monitor at any time during the specified monitoring period (e.g., month, quarter, year), provided the monitoring is conducted at a reasonable interval after completion of the last monitoring campaign. Reasonable intervals are defined in paragraphs (f)(3)(i) through (iv) of this section.

(i) When monitoring is conducted quarterly, monitoring events must be separated by at least 30 calendar days.

(ii) When monitoring is conducted semiannually (*i.e.* , once every 2 quarters), monitoring events must be separated by at least 60 calendar days.

(iii) When monitoring is conducted in 3 quarters per year, monitoring events must be separated by at least 90 calendar days.

(iv) When monitoring is conducted annually, monitoring events must be separated by at least 120 calendar days.

(g) If the storage vessel is shared with multiple process units, the process unit with the greatest annual amount of stored materials (predominant use) is the process unit the storage vessel is assigned to. If the storage vessel is shared equally among process units, and one of the process units has equipment subject to this subpart, the storage vessel is assigned to that process unit. If the storage vessel is shared equally among process units, none of which have equipment subject to this subpart of this part, the storage vessel is assigned to any process unit subject to subpart VV of this part. If the predominant use of the storage vessel varies from year to year, then the owner or operator must estimate the predominant use initially and reassess every 3 years. The owner or operator must keep records of the information and supporting calculations that show how predominant use is determined. All equipment on the storage vessel must be monitored when in VOC service.

Effective Date Note: At 73 FR 31376, June 2, 2008, in §60.482–1a, paragraph (g) was stayed until further notice.

§ 60.482-2A STANDARDS: PUMPS IN LIGHT LIQUID SERVICE.

(a)(1) Each pump in light liquid service shall be monitored monthly to detect leaks by the methods specified in §60.485a(b), except as provided in §60.482–1a(c) and (f) and paragraphs (d), (e), and (f) of this section. A pump that begins operation in light liquid service after the initial startup date for the process unit must be monitored for the first time within 30 days after the end of its startup period, except for a pump that replaces a leaking pump and except as provided in §60.482–1a(c) and paragraphs (d), (e), and (f) of this section.

(2) Each pump in light liquid service shall be checked by visual inspection each calendar week for indications of liquids dripping from the pump seal, except as provided in §60.482–1a(f).

(b)(1) The instrument reading that defines a leak is specified in paragraphs (b)(1)(i) and (ii) of this section.

(i) 5,000 parts per million (ppm) or greater for pumps handling polymerizing monomers;

(ii) 2,000 ppm or greater for all other pumps.

(2) If there are indications of liquids dripping from the pump seal, the owner or operator shall follow the procedure specified in either paragraph (b)(2)(i) or (ii) of this section. This requirement does not apply to a pump that was monitored after a previous weekly inspection and the instrument reading was less than the concentration specified in paragraph (b)(1)(i) or (ii) of this section, whichever is applicable.

(i) Monitor the pump within 5 days as specified in §60.485a(b). A leak is detected if the instrument reading measured during monitoring indicates a leak as specified in paragraph (b)(1)(i) or (ii) of this section, whichever is applicable. The leak shall be repaired using the procedures in paragraph (c) of this section.

(ii) Designate the visual indications of liquids dripping as a leak, and repair the leak using either the procedures in paragraph (c) of this section or by eliminating the visual indications of liquids dripping.

(c)(1) When a leak is detected, it shall be repaired as soon as practicable, but not later than 15 calendar days after it is detected, except as provided in §60.482–9a.

(2) A first attempt at repair shall be made no later than 5 calendar days after each leak is detected. First attempts at repair include, but are not limited to, the practices described in paragraphs (c)(2)(i) and (ii) of this section, where practicable.

(i) Tightening the packing gland nuts;

(ii) Ensuring that the seal flush is operating at design pressure and temperature.

(d) Each pump equipped with a dual mechanical seal system that includes a barrier fluid system is exempt from the requirements of paragraph (a) of this section, provided the requirements specified in paragraphs (d)(1) through (6) of this section are met.

(1) Each dual mechanical seal system is:

(i) Operated with the barrier fluid at a pressure that is at all times greater than the pump stuffing box pressure; or

(ii) Equipped with a barrier fluid degassing reservoir that is routed to a process or fuel gas system or connected by a closed vent system to a control device that complies with the requirements of §60.482–10a; or

(iii) Equipped with a system that purges the barrier fluid into a process stream with zero VOC emissions to the atmosphere.

(2) The barrier fluid system is in heavy liquid service or is not in VOC service.

(3) Each barrier fluid system is equipped with a sensor that will detect failure of the seal system, the barrier fluid system, or both.

(4)(i) Each pump is checked by visual inspection, each calendar week, for indications of liquids dripping from the pump seals.

(ii) If there are indications of liquids dripping from the pump seal at the time of the weekly inspection, the owner or operator shall follow the procedure specified in either paragraph (d)(4)(ii)(A) or (B) of this section prior to the next required inspection.

(A) Monitor the pump within 5 days as specified in §60.485a(b) to determine if there is a leak of VOC in the barrier fluid. If an instrument reading of 2,000 ppm or greater is measured, a leak is detected.

(B) Designate the visual indications of liquids dripping as a leak.

(5)(i) Each sensor as described in paragraph (d)(3) is checked daily or is equipped with an audible alarm.

(ii) The owner or operator determines, based on design considerations and operating experience, a criterion that indicates failure of the seal system, the barrier fluid system, or both.

(iii) If the sensor indicates failure of the seal system, the barrier fluid system, or both, based on the criterion established in paragraph (d)(5)(ii) of this section, a leak is detected.

(6)(i) When a leak is detected pursuant to paragraph (d)(4)(ii)(A) of this section, it shall be repaired as specified in paragraph (c) of this section.

(ii) A leak detected pursuant to paragraph (d)(5)(iii) of this section shall be repaired within 15 days of detection by eliminating the conditions that activated the sensor.

(iii) A designated leak pursuant to paragraph (d)(4)(ii)(B) of this section shall be repaired within 15 days of detection by eliminating visual indications of liquids dripping.

(e) Any pump that is designated, as described in §60.486a(e)(1) and (2), for no detectable emissions, as indicated by an instrument reading of less than 500 ppm above background, is exempt from the requirements of paragraphs (a), (c), and (d) of this section if the pump:

(1) Has no externally actuated shaft penetrating the pump housing;

(2) Is demonstrated to be operating with no detectable emissions as indicated by an instrument reading of less than 500 ppm above background as measured by the methods specified in §60.485a(c); and

(3) Is tested for compliance with paragraph (e)(2) of this section initially upon designation, annually, and at other times requested by the Administrator.

(f) If any pump is equipped with a closed vent system capable of capturing and transporting any leakage from the seal or seals to a process or to a fuel gas system or to a control device that complies with the requirements of §60.482–10a, it is exempt from paragraphs (a) through (e) of this section.

(g) Any pump that is designated, as described in §60.486a(f)(1), as an unsafe-to-monitor pump is exempt from the monitoring and inspection requirements of paragraphs (a) and (d)(4) through (6) of this section if:

(1) The owner or operator of the pump demonstrates that the pump is unsafe-to-monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with paragraph (a) of this section; and

(2) The owner or operator of the pump has a written plan that requires monitoring of the pump as frequently as practicable during safe-to-monitor times, but not more frequently than the periodic monitoring schedule otherwise applicable, and repair of the equipment according to the procedures in paragraph (c) of this section if a leak is detected.

(h) Any pump that is located within the boundary of an unmanned plant site is exempt from the weekly visual inspection requirement of paragraphs (a)(2) and (d)(4) of this section, and the daily requirements of paragraph (d)(5) of this section, provided that each pump is visually inspected as often as practicable and at least monthly.

§ 60.482-3A STANDARDS: COMPRESSORS.

(a) Each compressor shall be equipped with a seal system that includes a barrier fluid system and that prevents leakage of VOC to the atmosphere, except as provided in §60.482–1a(c) and paragraphs (h), (i), and (j) of this section.

(b) Each compressor seal system as required in paragraph (a) of this section shall be:

(1) Operated with the barrier fluid at a pressure that is greater than the compressor stuffing box pressure; or

(2) Equipped with a barrier fluid system degassing reservoir that is routed to a process or fuel gas system or connected by a closed vent system to a control device that complies with the requirements of §60.482–10a; or

(3) Equipped with a system that purges the barrier fluid into a process stream with zero VOC emissions to the atmosphere.

(c) The barrier fluid system shall be in heavy liquid service or shall not be in VOC service.

(d) Each barrier fluid system as described in paragraph (a) shall be equipped with a sensor that will detect failure of the seal system, barrier fluid system, or both.

(e)(1) Each sensor as required in paragraph (d) of this section shall be checked daily or shall be equipped with an audible alarm.

(2) The owner or operator shall determine, based on design considerations and operating experience, a criterion that indicates failure of the seal system, the barrier fluid system, or both.

(f) If the sensor indicates failure of the seal system, the barrier system, or both based on the criterion determined under paragraph (e)(2) of this section, a leak is detected.

(g)(1) When a leak is detected, it shall be repaired as soon as practicable, but not later than 15 calendar days after it is detected, except as provided in §60.482–9a.

(2) A first attempt at repair shall be made no later than 5 calendar days after each leak is detected.

(h) A compressor is exempt from the requirements of paragraphs (a) and (b) of this section, if it is equipped with a closed vent system to capture and transport leakage from the compressor drive shaft back to a process or fuel gas system or to a control device that complies with the requirements of §60.482–10a, except as provided in paragraph (i) of this section.

(i) Any compressor that is designated, as described in §60.486a(e)(1) and (2), for no detectable emissions, as indicated by an instrument reading of less than 500 ppm above background, is exempt from the requirements of paragraphs (a) through (h) of this section if the compressor:

(1) Is demonstrated to be operating with no detectable emissions, as indicated by an instrument reading of less than 500 ppm above background, as measured by the methods specified in §60.485a(c); and

(2) Is tested for compliance with paragraph (i)(1) of this section initially upon designation, annually, and at other times requested by the Administrator.

(j) Any existing reciprocating compressor in a process unit which becomes an affected facility under provisions of §60.14 or §60.15 is exempt from paragraphs (a) through (e) and (h) of this section, provided the owner or operator demonstrates that recasting the distance piece or replacing the compressor are the only options available to bring the compressor into compliance with the provisions of paragraphs (a) through (e) and (h) of this section.

§ 60.482-4A STANDARDS: PRESSURE RELIEF DEVICES IN GAS/VAPOR SERVICE.

(a) Except during pressure releases, each pressure relief device in gas/vapor service shall be operated with no detectable emissions, as indicated by an instrument reading of less than 500 ppm above background, as determined by the methods specified in §60.485a(c).

(b)(1) After each pressure release, the pressure relief device shall be returned to a condition of no detectable emissions, as indicated by an instrument reading of less than 500 ppm above background, as soon as practicable, but no later than 5 calendar days after the pressure release, except as provided in §60.482–9a.

(2) No later than 5 calendar days after the pressure release, the pressure relief device shall be monitored to confirm the conditions of no detectable emissions, as indicated by an instrument reading of less than 500 ppm above background, by the methods specified in §60.485a(c).

(c) Any pressure relief device that is routed to a process or fuel gas system or equipped with a closed vent system capable of capturing and transporting leakage through the pressure relief device to a control device as described in §60.482–10a is exempted from the requirements of paragraphs (a) and (b) of this section.

(d)(1) Any pressure relief device that is equipped with a rupture disk upstream of the pressure relief device is exempt from the requirements of paragraphs (a) and (b) of this section, provided the owner or operator complies with the requirements in paragraph (d)(2) of this section.

(2) After each pressure release, a new rupture disk shall be installed upstream of the pressure relief device as soon as practicable, but no later than 5 calendar days after each pressure release, except as provided in §60.482–9a.

§ 60.482-5A STANDARDS: SAMPLING CONNECTION SYSTEMS.

(a) Each sampling connection system shall be equipped with a closed-purge, closed-loop, or closed-vent system, except as provided in §60.482–1a(c) and paragraph (c) of this section.

(b) Each closed-purge, closed-loop, or closed-vent system as required in paragraph (a) of this section shall comply with the requirements specified in paragraphs (b)(1) through (4) of this section.

(1) Gases displaced during filling of the sample container are not required to be collected or captured.

(2) Containers that are part of a closed-purge system must be covered or closed when not being filled or emptied.

(3) Gases remaining in the tubing or piping between the closed-purge system valve(s) and sample container valve(s) after the valves are closed and the sample container is disconnected are not required to be collected or captured.

(4) Each closed-purge, closed-loop, or closed-vent system shall be designed and operated to meet requirements in either paragraph (b)(4)(i), (ii), (iii), or (iv) of this section.

(i) Return the purged process fluid directly to the process line.

(ii) Collect and recycle the purged process fluid to a process.

(iii) Capture and transport all the purged process fluid to a control device that complies with the requirements of §60.482–10a.

(iv) Collect, store, and transport the purged process fluid to any of the following systems or facilities:

(A) A waste management unit as defined in 40 CFR 63.111, if the waste management unit is subject to and operated in compliance with the provisions of 40 CFR part 63, subpart G, applicable to Group 1 wastewater streams;

(B) A treatment, storage, or disposal facility subject to regulation under 40 CFR part 262, 264, 265, or 266;

(C) A facility permitted, licensed, or registered by a state to manage municipal or industrial solid waste, if the process fluids are not hazardous waste as defined in 40 CFR part 261;

(D) A waste management unit subject to and operated in compliance with the treatment requirements of 40 CFR 61.348(a), provided all waste management units that collect, store, or transport the purged process fluid to the treatment unit are subject to and operated in compliance with the management requirements of 40 CFR 61.343 through 40 CFR 61.347; or

(E) A device used to burn off-specification used oil for energy recovery in accordance with 40 CFR part 279, subpart G, provided the purged process fluid is not hazardous waste as defined in 40 CFR part 261.

(c) In-situ sampling systems and sampling systems without purges are exempt from the requirements of paragraphs (a) and (b) of this section.

§ 60.482-6A STANDARDS: OPEN-ENDED VALVES OR LINES.

(a)(1) Each open-ended valve or line shall be equipped with a cap, blind flange, plug, or a second valve, except as provided in §60.482–1a(c) and paragraphs (d) and (e) of this section.

(2) The cap, blind flange, plug, or second valve shall seal the open end at all times except during operations requiring process fluid flow through the open-ended valve or line.

(b) Each open-ended valve or line equipped with a second valve shall be operated in a manner such that the valve on the process fluid end is closed before the second valve is closed.

(c) When a double block-and-bleed system is being used, the bleed valve or line may remain open during operations that require venting the line between the block valves but shall comply with paragraph (a) of this section at all other times.

(d) Open-ended valves or lines in an emergency shutdown system which are designed to open automatically in the event of a process upset are exempt from the requirements of paragraphs (a), (b), and (c) of this section.

(e) Open-ended valves or lines containing materials which would autocatalytically polymerize or would present an explosion, serious overpressure, or other safety hazard if capped or equipped with a double block and bleed system as specified in paragraphs (a) through (c) of this section are exempt from the requirements of paragraphs (a) through (c) of this section.

§ 60.482-7A STANDARDS: VALVES IN GAS/VAPOR SERVICE AND IN LIGHT LIQUID SERVICE.

(a)(1) Each valve shall be monitored monthly to detect leaks by the methods specified in §60.485a(b) and shall comply with paragraphs (b) through (e) of this section, except as provided in paragraphs (f), (g), and (h) of this section, §60.482–1a(c) and (f), and §§60.483–1a and 60.483–2a.

(2) A valve that begins operation in gas/vapor service or light liquid service after the initial startup date for the process unit must be monitored according to paragraphs (a)(2)(i) or (ii), except for a valve that replaces a leaking valve and except as provided in paragraphs (f), (g), and (h) of this section, §60.482–1a(c), and §§60.483–1a and 60.483–2a.

(i) Monitor the valve as in paragraph (a)(1) of this section. The valve must be monitored for the first time within 30 days after the end of its startup period to ensure proper installation.

(ii) If the existing valves in the process unit are monitored in accordance with §60.483–1a or §60.483–2a, count the new valve as leaking when calculating the percentage of valves leaking as described in §60.483–2a(b)(5). If less than 2.0 percent of the valves are leaking for that process unit,

the valve must be monitored for the first time during the next scheduled monitoring event for existing valves in the process unit or within 90 days, whichever comes first.

(b) If an instrument reading of 500 ppm or greater is measured, a leak is detected.

(c)(1)(i) Any valve for which a leak is not detected for 2 successive months may be monitored the first month of every quarter, beginning with the next quarter, until a leak is detected.

(ii) As an alternative to monitoring all of the valves in the first month of a quarter, an owner or operator may elect to subdivide the process unit into two or three subgroups of valves and monitor each subgroup in a different month during the quarter, provided each subgroup is monitored every 3 months. The owner or operator must keep records of the valves assigned to each subgroup.

(2) If a leak is detected, the valve shall be monitored monthly until a leak is not detected for 2 successive months.

(d)(1) When a leak is detected, it shall be repaired as soon as practicable, but no later than 15 calendar days after the leak is detected, except as provided in §60.482–9a.

(2) A first attempt at repair shall be made no later than 5 calendar days after each leak is detected.

(e) First attempts at repair include, but are not limited to, the following best practices where practicable:

(1) Tightening of bonnet bolts;

(2) Replacement of bonnet bolts;

(3) Tightening of packing gland nuts;

(4) Injection of lubricant into lubricated packing.

(f) Any valve that is designated, as described in §60.486a(e)(2), for no detectable emissions, as indicated by an instrument reading of less than 500 ppm above background, is exempt from the requirements of paragraph (a) of this section if the valve:

(1) Has no external actuating mechanism in contact with the process fluid,

(2) Is operated with emissions less than 500 ppm above background as determined by the method specified in §60.485a(c), and

(3) Is tested for compliance with paragraph (f)(2) of this section initially upon designation, annually, and at other times requested by the Administrator.

(g) Any valve that is designated, as described in §60.486a(f)(1), as an unsafe-to-monitor valve is exempt from the requirements of paragraph (a) of this section if:

(1) The owner or operator of the valve demonstrates that the valve is unsafe to monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with paragraph (a) of this section, and

(2) The owner or operator of the valve adheres to a written plan that requires monitoring of the valve as frequently as practicable during safe-to-monitor times.

(h) Any valve that is designated, as described in §60.486a(f)(2), as a difficult-to-monitor valve is exempt from the requirements of paragraph (a) of this section if:

(1) The owner or operator of the valve demonstrates that the valve cannot be monitored without elevating the monitoring personnel more than 2 meters above a support surface.

(2) The process unit within which the valve is located either:

(i) Becomes an affected facility through §60.14 or §60.15 and was constructed on or before January 5, 1981; or

(ii) Has less than 3.0 percent of its total number of valves designated as difficult-to-monitor by the owner or operator.

(3) The owner or operator of the valve follows a written plan that requires monitoring of the valve at least once per calendar year.

§ 60.482-8A STANDARDS: PUMPS, VALVES, AND CONNECTORS IN HEAVY LIQUID SERVICE AND PRESSURE RELIEF DEVICES IN LIGHT LIQUID OR HEAVY LIQUID SERVICE.

(a) If evidence of a potential leak is found by visual, audible, olfactory, or any other detection method at pumps, valves, and connectors in heavy liquid service and pressure relief devices in light liquid or heavy liquid service, the owner or operator shall follow either one of the following procedures:

(1) The owner or operator shall monitor the equipment within 5 days by the method specified in §60.485a(b) and shall comply with the requirements of paragraphs (b) through (d) of this section.

(2) The owner or operator shall eliminate the visual, audible, olfactory, or other indication of a potential leak within 5 calendar days of detection.

(b) If an instrument reading of 10,000 ppm or greater is measured, a leak is detected.

(c)(1) When a leak is detected, it shall be repaired as soon as practicable, but not later than 15 calendar days after it is detected, except as provided in §60.482–9a.

(2) The first attempt at repair shall be made no later than 5 calendar days after each leak is detected.

(d) First attempts at repair include, but are not limited to, the best practices described under §§60.482–2a(c)(2) and 60.482–7a(e).

§ 60.482-9A STANDARDS: DELAY OF REPAIR.

(a) Delay of repair of equipment for which leaks have been detected will be allowed if repair within 15 days is technically infeasible without a process unit shutdown. Repair of this equipment shall occur before the end of the next process unit shutdown. Monitoring to verify repair must occur within 15 days after startup of the process unit.

(b) Delay of repair of equipment will be allowed for equipment which is isolated from the process and which does not remain in VOC service.

(c) Delay of repair for valves and connectors will be allowed if:

(1) The owner or operator demonstrates that emissions of purged material resulting from immediate repair are greater than the fugitive emissions likely to result from delay of repair, and

(2) When repair procedures are effected, the purged material is collected and destroyed or recovered in a control device complying with §60.482–10a.

(d) Delay of repair for pumps will be allowed if:

(1) Repair requires the use of a dual mechanical seal system that includes a barrier fluid system, and

(2) Repair is completed as soon as practicable, but not later than 6 months after the leak was detected.

(e) Delay of repair beyond a process unit shutdown will be allowed for a valve, if valve assembly replacement is necessary during the process unit shutdown, valve assembly supplies have been depleted, and valve assembly supplies had been sufficiently stocked before the supplies were depleted. Delay of repair beyond the next process unit shutdown will not be allowed unless the next process unit shutdown occurs sooner than 6 months after the first process unit shutdown.

(f) When delay of repair is allowed for a leaking pump, valve, or connector that remains in service, the pump, valve, or connector may be considered to be repaired and no longer subject to delay of repair requirements if two consecutive monthly monitoring instrument readings are below the leak definition.

§ 60.482-10A STANDARDS: CLOSED VENT SYSTEMS AND CONTROL DEVICES.

(a) Owners or operators of closed vent systems and control devices used to comply with provisions of this subpart shall comply with the provisions of this section.

(b) Vapor recovery systems (for example, condensers and absorbers) shall be designed and operated to recover the VOC emissions vented to them with an efficiency of 95 percent or greater, or to an exit concentration of 20 parts per million by volume (ppmv), whichever is less stringent.

(c) Enclosed combustion devices shall be designed and operated to reduce the VOC emissions vented to them with an efficiency of 95 percent or greater, or to an exit concentration of 20 ppmv, on a dry basis, corrected to 3 percent oxygen, whichever is less stringent or to provide a minimum residence time of 0.75 seconds at a minimum temperature of 816 °C.

(d) Flares used to comply with this subpart shall comply with the requirements of §60.18.

(e) Owners or operators of control devices used to comply with the provisions of this subpart shall monitor these control devices to ensure that they are operated and maintained in conformance with their designs.

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(f) Except as provided in paragraphs (i) through (k) of this section, each closed vent system shall be inspected according to the procedures and schedule specified in paragraphs (f)(1) and (2) of this section.

(1) If the vapor collection system or closed vent system is constructed of hard-piping, the owner or operator shall comply with the requirements specified in paragraphs (f)(1)(i) and (ii) of this section:

(i) Conduct an initial inspection according to the procedures in §60.485a(b); and

(ii) Conduct annual visual inspections for visible, audible, or olfactory indications of leaks.

(2) If the vapor collection system or closed vent system is constructed of ductwork, the owner or operator shall:

(i) Conduct an initial inspection according to the procedures in §60.485a(b); and

(ii) Conduct annual inspections according to the procedures in §60.485a(b).

(g) Leaks, as indicated by an instrument reading greater than 500 ppmv above background or by visual inspections, shall be repaired as soon as practicable except as provided in paragraph (h) of this section.

(1) A first attempt at repair shall be made no later than 5 calendar days after the leak is detected.

(2) Repair shall be completed no later than 15 calendar days after the leak is detected.

(h) Delay of repair of a closed vent system for which leaks have been detected is allowed if the repair is technically infeasible without a process unit shutdown or if the owner or operator determines that emissions resulting from immediate repair would be greater than the fugitive emissions likely to result from delay of repair. Repair of such equipment shall be complete by the end of the next process unit shutdown.

(i) If a vapor collection system or closed vent system is operated under a vacuum, it is exempt from the inspection requirements of paragraphs (f)(1)(i) and (f)(2) of this section.

(j) Any parts of the closed vent system that are designated, as described in paragraph (l)(1) of this section, as unsafe to inspect are exempt from the inspection requirements of paragraphs (f)(1)(i) and (f)(2) of this section if they comply with the requirements specified in paragraphs (j)(1) and (2) of this section:

(1) The owner or operator determines that the equipment is unsafe to inspect because inspecting personnel would be exposed to an imminent or potential danger as a consequence of complying with paragraphs (f)(1)(i) or (f)(2) of this section; and

(2) The owner or operator has a written plan that requires inspection of the equipment as frequently as practicable during safe-to-inspect times.

(k) Any parts of the closed vent system that are designated, as described in paragraph (l)(2) of this section, as difficult to inspect are exempt from the inspection requirements of paragraphs (f)(1)(i) and (f)(2) of this section if they comply with the requirements specified in paragraphs (k)(1) through (3) of this section:

(1) The owner or operator determines that the equipment cannot be inspected without elevating the inspecting personnel more than 2 meters above a support surface; and

(2) The process unit within which the closed vent system is located becomes an affected facility through §§60.14 or 60.15, or the owner or operator designates less than 3.0 percent of the total number of closed vent system equipment as difficult to inspect; and

(3) The owner or operator has a written plan that requires inspection of the equipment at least once every 5 years. A closed vent system is exempt from inspection if it is operated under a vacuum.

(l) The owner or operator shall record the information specified in paragraphs (l)(1) through (5) of this section.

(1) Identification of all parts of the closed vent system that are designated as unsafe to inspect, an explanation of why the equipment is unsafe to inspect, and the plan for inspecting the equipment.

(2) Identification of all parts of the closed vent system that are designated as difficult to inspect, an explanation of why the equipment is difficult to inspect, and the plan for inspecting the equipment.

(3) For each inspection during which a leak is detected, a record of the information specified in §60.486a(c).

(4) For each inspection conducted in accordance with §60.485a(b) during which no leaks are detected, a record that the inspection was performed, the date of the inspection, and a statement that no leaks were detected.

(5) For each visual inspection conducted in accordance with paragraph (f)(1)(ii) of this section during which no leaks are detected, a record that the inspection was performed, the date of the inspection, and a statement that no leaks were detected.

(m) Closed vent systems and control devices used to comply with provisions of this subpart shall be operated at all times when emissions may be vented to them.

§ 60.482-11A STANDARDS: CONNECTORS IN GAS/VAPOR SERVICE AND IN LIGHT LIQUID SERVICE.

(a) The owner or operator shall initially monitor all connectors in the process unit for leaks by the later of either 12 months after the compliance date or 12 months after initial startup. If all connectors in the process unit have been monitored for leaks prior to the compliance date, no initial monitoring is required provided either no process changes have been made since the monitoring or the owner or operator can determine that the results of the monitoring, with or without adjustments, reliably demonstrate compliance despite process changes. If required to monitor because of a process change, the owner or operator is required to monitor only those connectors involved in the process change.

(b) Except as allowed in §60.482–1a(c), §60.482–10a, or as specified in paragraph (e) of this section, the owner or operator shall monitor all connectors in gas and vapor and light liquid service as specified in paragraphs (a) and (b)(3) of this section.

(1) The connectors shall be monitored to detect leaks by the method specified in §60.485a(b) and, as applicable, §60.485a(c).

(2) If an instrument reading greater than or equal to 500 ppm is measured, a leak is detected.

(3) The owner or operator shall perform monitoring, subsequent to the initial monitoring required in paragraph (a) of this section, as specified in paragraphs (b)(3)(i) through (iii) of this section, and shall comply with the requirements of paragraphs (b)(3)(iv) and (v) of this section. The required period in which monitoring must be conducted shall be determined from paragraphs (b)(3)(i) through (iii) of this section using the monitoring results from the preceding monitoring period. The percent leaking connectors shall be calculated as specified in paragraph (c) of this section.

(i) If the percent leaking connectors in the process unit was greater than or equal to 0.5 percent, then monitor within 12 months (1 year).

(ii) If the percent leaking connectors in the process unit was greater than or equal to 0.25 percent but less than 0.5 percent, then monitor within 4 years. An owner or operator may comply with the requirements of this paragraph by monitoring at least 40 percent of the connectors within 2 years of the start of the monitoring period, provided all connectors have been monitored by the end of the 4-year monitoring period.

(iii) If the percent leaking connectors in the process unit was less than 0.25 percent, then monitor as provided in paragraph (b)(3)(iii)(A) of this section and either paragraph (b)(3)(iii)(B) or (b)(3)(iii)(C) of this section, as appropriate.

(A) An owner or operator shall monitor at least 50 percent of the connectors within 4 years of the start of the monitoring period.

(B) If the percent of leaking connectors calculated from the monitoring results in paragraph (b)(3)(iii)(A) of this section is greater than or equal to 0.35 percent of the monitored connectors, the owner or operator shall monitor as soon as practical, but within the next 6 months, all connectors that have not yet been monitored during the monitoring period. At the conclusion of monitoring, a new monitoring period shall be started pursuant to paragraph (b)(3) of this section, based on the percent of leaking connectors within the total monitored connectors.

(C) If the percent of leaking connectors calculated from the monitoring results in paragraph (b)(3)(iii)(A) of this section is less than 0.35 percent of the monitored connectors, the owner or operator shall monitor all connectors that have not yet been monitored within 8 years of the start of the monitoring period.

(iv) If, during the monitoring conducted pursuant to paragraphs (b)(3)(i) through (iii) of this section, a connector is found to be leaking, it shall be re-monitored once within 90 days after repair to confirm that it is not leaking.

(v) The owner or operator shall keep a record of the start date and end date of each monitoring period under this section for each process unit.

(c) For use in determining the monitoring frequency, as specified in paragraphs (a) and (b)(3) of this section, the percent leaking connectors as used in paragraphs (a) and (b)(3) of this section shall be calculated by using the following equation:

$\%C_L = C_L / C_t * 100$

Where:

$\%C_L$= Percent of leaking connectors as determined through periodic monitoring required in paragraphs (a) and (b)(3)(i) through (iii) of this section.

C_L= Number of connectors measured at 500 ppm or greater, by the method specified in §60.485a(b).

C_t= Total number of monitored connectors in the process unit or affected facility.

(d) When a leak is detected pursuant to paragraphs (a) and (b) of this section, it shall be repaired as soon as practicable, but not later than 15 calendar days after it is detected, except as provided in §60.482–9a. A first attempt at repair as defined in this subpart shall be made no later than 5 calendar days after the leak is detected.

(e) Any connector that is designated, as described in §60.486a(f)(1), as an unsafe-to-monitor connector is exempt from the requirements of paragraphs (a) and (b) of this section if:

(1) The owner or operator of the connector demonstrates that the connector is unsafe-to-monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with paragraphs (a) and (b) of this section; and

(2) The owner or operator of the connector has a written plan that requires monitoring of the connector as frequently as practicable during safe-to-monitor times but not more frequently than the periodic monitoring schedule otherwise applicable, and repair of the equipment according to the procedures in paragraph (d) of this section if a leak is detected.

(f) *Inaccessible, ceramic, or ceramic-lined connectors* . (1) Any connector that is inaccessible or that is ceramic or ceramic-lined (e.g., porcelain, glass, or glass-lined), is exempt from the monitoring requirements of paragraphs (a) and (b) of this section, from the leak repair requirements of paragraph (d) of this section, and from the recordkeeping and reporting requirements of §§63.1038 and 63.1039. An inaccessible connector is one that meets any of the provisions specified in paragraphs (f)(1)(i) through (vi) of this section, as applicable:

(i) Buried;

(ii) Insulated in a manner that prevents access to the connector by a monitor probe;

(iii) Obstructed by equipment or piping that prevents access to the connector by a monitor probe;

(iv) Unable to be reached from a wheeled scissor-lift or hydraulic-type scaffold that would allow access to connectors up to 7.6 meters (25 feet) above the ground;

(v) Inaccessible because it would require elevating the monitoring personnel more than 2 meters (7 feet) above a permanent support surface or would require the erection of scaffold; or

(vi) Not able to be accessed at any time in a safe manner to perform monitoring. Unsafe access includes, but is not limited to, the use of a wheeled scissor-lift on unstable or uneven terrain, the use of a motorized man-lift basket in areas where an ignition potential exists, or access would require near proximity to hazards such as electrical lines, or would risk damage to equipment.

(2) If any inaccessible, ceramic, or ceramic-lined connector is observed by visual, audible, olfactory, or other means to be leaking, the visual, audible, olfactory, or other indications of a leak to the atmosphere shall be eliminated as soon as practical.

(g) Except for instrumentation systems and inaccessible, ceramic, or ceramic-lined connectors meeting the provisions of paragraph (f) of this section, identify the connectors subject to the requirements of this subpart. Connectors need not be individually identified if all connectors in a designated area or length of pipe subject to the provisions of this subpart are identified as a group, and the number of connectors subject is indicated.

Effective Date Note: At 73 FR 31376, June 2, 2008, §60.482–11a was stayed until further notice.

§ 60.483-1A ALTERNATIVE STANDARDS FOR VALVES—ALLOWABLE PERCENTAGE OF VALVES LEAKING.

(a) An owner or operator may elect to comply with an allowable percentage of valves leaking of equal to or less than 2.0 percent.

(b) The following requirements shall be met if an owner or operator wishes to comply with an allowable percentage of valves leaking:

(1) An owner or operator must notify the Administrator that the owner or operator has elected to comply with the allowable percentage of valves leaking before implementing this alternative standard, as specified in §60.487a(d).

(2) A performance test as specified in paragraph (c) of this section shall be conducted initially upon designation, annually, and at other times requested by the Administrator.

(3) If a valve leak is detected, it shall be repaired in accordance with §60.482–7a(d) and (e).

(c) Performance tests shall be conducted in the following manner:

(1) All valves in gas/vapor and light liquid service within the affected facility shall be monitored within 1 week by the methods specified in §60.485a(b).

(2) If an instrument reading of 500 ppm or greater is measured, a leak is detected.

(3) The leak percentage shall be determined by dividing the number of valves for which leaks are detected by the number of valves in gas/vapor and light liquid service within the affected facility.

(d) Owners and operators who elect to comply with this alternative standard shall not have an affected facility with a leak percentage greater than 2.0 percent, determined as described in §60.485a(h).

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§ 60.483-2A ALTERNATIVE STANDARDS FOR VALVES—SKIP PERIOD LEAK DETECTION AND REPAIR.

(a)(1) An owner or operator may elect to comply with one of the alternative work practices specified in paragraphs (b)(2) and (3) of this section.

(2) An owner or operator must notify the Administrator before implementing one of the alternative work practices, as specified in §60.487(d)a.

(b)(1) An owner or operator shall comply initially with the requirements for valves in gas/vapor service and valves in light liquid service, as described in §60.482–7a.

(2) After 2 consecutive quarterly leak detection periods with the percent of valves leaking equal to or less than 2.0, an owner or operator may begin to skip 1 of the quarterly leak detection periods for the valves in gas/vapor and light liquid service.

(3) After 5 consecutive quarterly leak detection periods with the percent of valves leaking equal to or less than 2.0, an owner or operator may begin to skip 3 of the quarterly leak detection periods for the valves in gas/vapor and light liquid service.

(4) If the percent of valves leaking is greater than 2.0, the owner or operator shall comply with the requirements as described in §60.482–7a but can again elect to use this section.

(5) The percent of valves leaking shall be determined as described in §60.485a(h).

(6) An owner or operator must keep a record of the percent of valves found leaking during each leak detection period.

(7) A valve that begins operation in gas/vapor service or light liquid service after the initial startup date for a process unit following one of the alternative standards in this section must be monitored in accordance with §60.482–7a(a)(2)(i) or (ii) before the provisions of this section can be applied to that valve.

§ 60.484A EQUIVALENCE OF MEANS OF EMISSION LIMITATION.

(a) Each owner or operator subject to the provisions of this subpart may apply to the Administrator for determination of equivalence for any means of emission limitation that achieves a reduction in emissions of VOC at least equivalent to the reduction in emissions of VOC achieved by the controls required in this subpart.

(b) Determination of equivalence to the equipment, design, and operational requirements of this subpart will be evaluated by the following guidelines:

(1) Each owner or operator applying for an equivalence determination shall be responsible for collecting and verifying test data to demonstrate equivalence of means of emission limitation.

(2) The Administrator will compare test data for demonstrating equivalence of the means of emission limitation to test data for the equipment, design, and operational requirements.

(3) The Administrator may condition the approval of equivalence on requirements that may be necessary to assure operation and maintenance to achieve the same emission reduction as the equipment, design, and operational requirements.

(c) Determination of equivalence to the required work practices in this subpart will be evaluated by the following guidelines:

(1) Each owner or operator applying for a determination of equivalence shall be responsible for collecting and verifying test data to demonstrate equivalence of an equivalent means of emission limitation.

(2) For each affected facility for which a determination of equivalence is requested, the emission reduction achieved by the required work practice shall be demonstrated.

(3) For each affected facility, for which a determination of equivalence is requested, the emission reduction achieved by the equivalent means of emission limitation shall be demonstrated.

(4) Each owner or operator applying for a determination of equivalence shall commit in writing to work practice(s) that provide for emission reductions equal to or greater than the emission reductions achieved by the required work practice.

(5) The Administrator will compare the demonstrated emission reduction for the equivalent means of emission limitation to the demonstrated emission reduction for the required work practices and will consider the commitment in paragraph (c)(4) of this section.

(6) The Administrator may condition the approval of equivalence on requirements that may be necessary to assure operation and maintenance to achieve the same emission reduction as the required work practice.

(d) An owner or operator may offer a unique approach to demonstrate the equivalence of any equivalent means of emission limitation.

(e)(1) After a request for determination of equivalence is received, the Administrator will publish a notice in the Federal Register and provide the opportunity for public hearing if the Administrator judges that the request may be approved.

(2) After notice and opportunity for public hearing, the Administrator will determine the equivalence of a means of emission limitation and will publish the determination in the Federal Register.

(3) Any equivalent means of emission limitations approved under this section shall constitute a required work practice, equipment, design, or operational standard within the meaning of section 111(h)(1) of the CAA.

(f)(1) Manufacturers of equipment used to control equipment leaks of VOC may apply to the Administrator for determination of equivalence for any equivalent means of emission limitation that achieves a reduction in emissions of VOC achieved by the equipment, design, and operational requirements of this subpart.

(2) The Administrator will make an equivalence determination according to the provisions of paragraphs (b), (c), (d), and (e) of this section.

§ 60.485A TEST METHODS AND PROCEDURES.

(a) In conducting the performance tests required in §60.8, the owner or operator shall use as reference methods and procedures the test methods in appendix A of this part or other methods and procedures as specified in this section, except as provided in §60.8(b).

(b) The owner or operator shall determine compliance with the standards in §§60.482–1a through 60.482–11a, 60.483a, and 60.484a as follows:

(1) Method 21 shall be used to determine the presence of leaking sources. The instrument shall be calibrated before use each day of its use by the procedures specified in Method 21 of appendix A–7 of this part. The following calibration gases shall be used:

(i) Zero air (less than 10 ppm of hydrocarbon in air); and

(ii) A mixture of methane or n-hexane and air at a concentration no more than 2,000 ppm greater than the leak definition concentration of the equipment monitored. If the monitoring instrument's design allows for multiple calibration scales, then the lower scale shall be calibrated with a calibration gas that is no higher than 2,000 ppm above the concentration specified as a leak, and the highest scale shall be calibrated with a calibration gas that is approximately equal to 10,000 ppm. If only one scale on an instrument will be used during monitoring, the owner or operator need not calibrate the scales that will not be used during that day's monitoring.

(2) A calibration drift assessment shall be performed, at a minimum, at the end of each monitoring day. Check the instrument using the same calibration gas(es) that were used to calibrate the instrument before use. Follow the procedures specified in Method 21 of appendix A–7 of this part, Section 10.1, except do not adjust the meter readout to correspond to the calibration gas value. Record the instrument reading for each scale used as specified in §60.486a(e)(7). Calculate the average algebraic difference between the three meter readings and the most recent calibration value. Divide this algebraic difference by the initial calibration value and multiply by 100 to express the calibration drift as a percentage. If any calibration drift assessment shows a negative drift of more than 10 percent from the initial calibration value, then all equipment monitored since the last calibration with instrument readings below the appropriate leak definition and above the leak definition multiplied by (100 minus the percent of negative drift/divided by 100) must be re-monitored. If any calibration drift assessment shows a positive drift of more than 10 percent from the initial calibration value, then, at the owner/operator's discretion, all equipment since the last calibration with instrument readings above the appropriate leak definition and below the leak definition multiplied by (100 plus the percent of positive drift/divided by 100) may be re-monitored.

(c) The owner or operator shall determine compliance with the no-detectable-emission standards in §§60.482–2a(e), 60.482–3a(i), 60.482–4a, 60.482–7a(f), and 60.482–10a(e) as follows:

(1) The requirements of paragraph (b) shall apply.

(2) Method 21 of appendix A–7 of this part shall be used to determine the background level. All potential leak interfaces shall be traversed as close to the interface as possible. The arithmetic difference between the maximum concentration indicated by the instrument and the background level is compared with 500 ppm for determining compliance.

(d) The owner or operator shall test each piece of equipment unless he demonstrates that a process unit is not in VOC service, i.e., that the VOC content would never be reasonably expected to exceed 10 percent by weight. For purposes of this demonstration, the following methods and procedures shall be used:

(1) Procedures that conform to the general methods in ASTM E260–73, 91, or 96, E168–67, 77, or 92, E169–63, 77, or 93 (incorporated by reference—see §60.17) shall be used to determine the percent VOC content in the process fluid that is contained in or contacts a piece of equipment.

(2) Organic compounds that are considered by the Administrator to have negligible photochemical reactivity may be excluded from the total quantity of organic compounds in determining the VOC content of the process fluid.

(3) Engineering judgment may be used to estimate the VOC content, if a piece of equipment had not been shown previously to be in service. If the Administrator disagrees with the judgment, paragraphs (d)(1) and (2) of this section shall be used to resolve the disagreement.

(e) The owner or operator shall demonstrate that a piece of equipment is in light liquid service by showing that all the following conditions apply:

(1) The vapor pressure of one or more of the organic components is greater than 0.3 kPa at 20 °C (1.2 in. H_2O at 68 °F). Standard reference texts or ASTM D2879–83, 96, or 97 (incorporated by reference—see §60.17) shall be used to determine the vapor pressures.

(2) The total concentration of the pure organic components having a vapor pressure greater than 0.3 kPa at 20 °C (1.2 in. H_2O at 68 °F) is equal to or greater than 20 percent by weight.

(3) The fluid is a liquid at operating conditions.

(f) Samples used in conjunction with paragraphs (d), (e), and (g) of this section shall be representative of the process fluid that is contained in or contacts the equipment or the gas being combusted in the flare.

(g) The owner or operator shall determine compliance with the standards of flares as follows:

(1) Method 22 of appendix A–7 of this part shall be used to determine visible emissions.

(2) A thermocouple or any other equivalent device shall be used to monitor the presence of a pilot flame in the flare.

(3) The maximum permitted velocity for air assisted flares shall be computed using the following equation:

$V_{max} = K_1 + K_2 H_T$

Where:

V_{max}= Maximum permitted velocity, m/sec (ft/sec).

H_T= Net heating value of the gas being combusted, MJ/scm (Btu/scf).

K_1= 8.706 m/sec (metric units) = 28.56 ft/sec (English units).

K_2= 0.7084 m^4 /(MJ-sec) (metric units) = 0.087 ft^4 /(Btu-sec) (English units).

(4) The net heating value (HT) of the gas being combusted in a flare shall be computed using the following equation:

$$H_T = K \sum_{i=1}^{n} C_i H_i$$

Where:

K = Conversion constant, 1.740×10^{-7} (g-mole)(MJ)/(ppm-scm-kcal) (metric units) = 4.674×10^{-6} [(g-mole)(Btu)/(ppm-scf-kcal)] (English units).

C_i= Concentration of sample component “i,” ppm

H_i= net heat of combustion of sample component “i” at 25 °C and 760 mm Hg (77 °F and 14.7 psi), kcal/g-mole.

(5) Method 18 of appendix A–6 of this part or ASTM D6420–99 (2004) (where the target compound(s) are those listed in Section 1.1 of ASTM D6420–99, and the target concentration is between 150 parts per billion by volume and 100 ppmv) and ASTM D2504–67, 77, or 88 (Reapproved 1993) (incorporated by reference-see §60.17) shall be used to determine the concentration of sample component “i.”

(6) ASTM D2382–76 or 88 or D4809–95 (incorporated by reference-see §60.17) shall be used to determine the net heat of combustion of component “i” if published values are not available or cannot be calculated.

(7) Method 2, 2A, 2C, or 2D of appendix A–7 of this part, as appropriate, shall be used to determine the actual exit velocity of a flare. If needed, the unobstructed (free) cross-sectional area of the flare tip shall be used.

(h) The owner or operator shall determine compliance with §60.483–1a or §60.483–2a as follows:

(1) The percent of valves leaking shall be determined using the following equation:

$\%V_L = (V_L / V_T) * 100$

Where:

$\%V_L$= Percent leaking valves.

V_L= Number of valves found leaking.

V_T= The sum of the total number of valves monitored.

(2) The total number of valves monitored shall include difficult-to-monitor and unsafe-to-monitor valves only during the monitoring period in which those valves are monitored.

(3) The number of valves leaking shall include valves for which repair has been delayed.

(4) Any new valve that is not monitored within 30 days of being placed in service shall be included in the number of valves leaking and the total number of valves monitored for the monitoring period in which the valve is placed in service.

(5) If the process unit has been subdivided in accordance with §60.482–7a(c)(1)(ii), the sum of valves found leaking during a monitoring period includes all subgroups.

(6) The total number of valves monitored does not include a valve monitored to verify repair.

§ 60.486A RECORDKEEPING REQUIREMENTS.

(a)(1) Each owner or operator subject to the provisions of this subpart shall comply with the recordkeeping requirements of this section.

(2) An owner or operator of more than one affected facility subject to the provisions of this subpart may comply with the recordkeeping requirements for these facilities in one recordkeeping system if the system identifies each record by each facility.

(3) The owner or operator shall record the information specified in paragraphs (a)(3)(i) through (v) of this section for each monitoring event required by §§60.482–2a, 60.482–3a, 60.482–7a, 60.482–8a, 60.482–11a, and 60.483–2a.

(i) Monitoring instrument identification.

(ii) Operator identification.

(iii) Equipment identification.

(iv) Date of monitoring.

(v) Instrument reading.

(b) When each leak is detected as specified in §§60.482–2a, 60.482–3a, 60.482–7a, 60.482–8a, 60.482–11a, and 60.483–2a, the following requirements apply:

(1) A weatherproof and readily visible identification, marked with the equipment identification number, shall be attached to the leaking equipment.

(2) The identification on a valve may be removed after it has been monitored for 2 successive months as specified in §60.482–7a(c) and no leak has been detected during those 2 months.

(3) The identification on a connector may be removed after it has been monitored as specified in §60.482–11a(b)(3)(iv) and no leak has been detected during that monitoring.

(4) The identification on equipment, except on a valve or connector, may be removed after it has been repaired.

(c) When each leak is detected as specified in §§60.482–2a, 60.482–3a, 60.482–7a, 60.482–8a, 60.482–11a, and 60.483–2a, the following information shall be recorded in a log and shall be kept for 2 years in a readily accessible location:

(1) The instrument and operator identification numbers and the equipment identification number, except when indications of liquids dripping from a pump are designated as a leak.

(2) The date the leak was detected and the dates of each attempt to repair the leak.

(3) Repair methods applied in each attempt to repair the leak.

(4) Maximum instrument reading measured by Method 21 of appendix A–7 of this part at the time the leak is successfully repaired or determined to be nonrepairable, except when a pump is repaired by eliminating indications of liquids dripping.

(5) “Repair delayed” and the reason for the delay if a leak is not repaired within 15 calendar days after discovery of the leak.

(6) The signature of the owner or operator (or designate) whose decision it was that repair could not be effected without a process shutdown.

(7) The expected date of successful repair of the leak if a leak is not repaired within 15 days.

(8) Dates of process unit shutdowns that occur while the equipment is unrepaired.

(9) The date of successful repair of the leak.

(d) The following information pertaining to the design requirements for closed vent systems and control devices described in §60.482–10a shall be recorded and kept in a readily accessible location:

(1) Detailed schematics, design specifications, and piping and instrumentation diagrams.

(2) The dates and descriptions of any changes in the design specifications.

(3) A description of the parameter or parameters monitored, as required in §60.482–10a(e), to ensure that control devices are operated and maintained in conformance with their design and an explanation of why that parameter (or parameters) was selected for the monitoring.

(4) Periods when the closed vent systems and control devices required in §§60.482–2a, 60.482–3a, 60.482–4a, and 60.482–5a are not operated as designed, including periods when a flare pilot light does not have a flame.

(5) Dates of startups and shutdowns of the closed vent systems and control devices required in §§60.482–2a, 60.482–3a, 60.482–4a, and 60.482–5a.

(e) The following information pertaining to all equipment subject to the requirements in §§60.482–1a to 60.482–11a shall be recorded in a log that is kept in a readily accessible location:

(1) A list of identification numbers for equipment subject to the requirements of this subpart.

(2)(i) A list of identification numbers for equipment that are designated for no detectable emissions under the provisions of §§60.482–2a(e), 60.482–3a(i), and 60.482–7a(f).

(ii) The designation of equipment as subject to the requirements of §60.482–2a(e), §60.482–3a(i), or §60.482–7a(f) shall be signed by the owner or operator. Alternatively, the owner or operator may establish a mechanism with their permitting authority that satisfies this requirement.

(3) A list of equipment identification numbers for pressure relief devices required to comply with §60.482–4a.

(4)(i) The dates of each compliance test as required in §§60.482–2a(e), 60.482–3a(i), 60.482–4a, and 60.482–7a(f).

(ii) The background level measured during each compliance test.

(iii) The maximum instrument reading measured at the equipment during each compliance test.

(5) A list of identification numbers for equipment in vacuum service.

(6) A list of identification numbers for equipment that the owner or operator designates as operating in VOC service less than 300 hr/yr in accordance with §60.482–1a(e), a description of the conditions under which the equipment is in VOC service, and rationale supporting the designation that it is in VOC service less than 300 hr/yr.

(7) The date and results of the weekly visual inspection for indications of liquids dripping from pumps in light liquid service.

(8) Records of the information specified in paragraphs (e)(8)(i) through (vi) of this section for monitoring instrument calibrations conducted according to sections 8.1.2 and 10 of Method 21 of appendix A–7 of this part and §60.485a(b).

(i) Date of calibration and initials of operator performing the calibration.

(ii) Calibration gas cylinder identification, certification date, and certified concentration.

(iii) Instrument scale(s) used.

(iv) A description of any corrective action taken if the meter readout could not be adjusted to correspond to the calibration gas value in accordance with section 10.1 of Method 21 of appendix A–7 of this part.

(v) Results of each calibration drift assessment required by §60.485a(b)(2) (i.e., instrument reading for calibration at end of monitoring day and the calculated percent difference from the initial calibration value).

(vi) If an owner or operator makes their own calibration gas, a description of the procedure used.

(9) The connector monitoring schedule for each process unit as specified in §60.482–11a(b)(3)(v).

(10) Records of each release from a pressure relief device subject to §60.482–4a.

(f) The following information pertaining to all valves subject to the requirements of §60.482–7a(g) and (h), all pumps subject to the requirements of §60.482–2a(g), and all connectors subject to the requirements of §60.482–11a(e) shall be recorded in a log that is kept in a readily accessible location:

(1) A list of identification numbers for valves, pumps, and connectors that are designated as unsafe-to-monitor, an explanation for each valve, pump, or connector stating why the valve, pump, or connector is unsafe-to-monitor, and the plan for monitoring each valve, pump, or connector.

(2) A list of identification numbers for valves that are designated as difficult-to-monitor, an explanation for each valve stating why the valve is difficult-to-monitor, and the schedule for monitoring each valve.

(g) The following information shall be recorded for valves complying with §60.483–2a:

(1) A schedule of monitoring.

(2) The percent of valves found leaking during each monitoring period.

(h) The following information shall be recorded in a log that is kept in a readily accessible location:

(1) Design criterion required in §§60.482–2a(d)(5) and 60.482–3a(e)(2) and explanation of the design criterion; and

(2) Any changes to this criterion and the reasons for the changes.

(i) The following information shall be recorded in a log that is kept in a readily accessible location for use in determining exemptions as provided in §60.480a(d):

(1) An analysis demonstrating the design capacity of the affected facility,

(2) A statement listing the feed or raw materials and products from the affected facilities and an analysis demonstrating whether these chemicals are heavy liquids or beverage alcohol, and

(3) An analysis demonstrating that equipment is not in VOC service.

(j) Information and data used to demonstrate that a piece of equipment is not in VOC service shall be recorded in a log that is kept in a readily accessible location.

(k) The provisions of §60.7(b) and (d) do not apply to affected facilities subject to this subpart.

§ 60.487A REPORTING REQUIREMENTS.

(a) Each owner or operator subject to the provisions of this subpart shall submit semiannual reports to the Administrator beginning 6 months after the initial startup date.

(b) The initial semiannual report to the Administrator shall include the following information:

(1) Process unit identification.

(2) Number of valves subject to the requirements of §60.482–7a, excluding those valves designated for no detectable emissions under the provisions of §60.482–7a(f).

(3) Number of pumps subject to the requirements of §60.482–2a, excluding those pumps designated for no detectable emissions under the provisions of §60.482–2a(e) and those pumps complying with §60.482–2a(f).

(4) Number of compressors subject to the requirements of §60.482–3a, excluding those compressors designated for no detectable emissions under the provisions of §60.482–3a(i) and those compressors complying with §60.482–3a(h).

(5) Number of connectors subject to the requirements of §60.482–11a.

(c) All semiannual reports to the Administrator shall include the following information, summarized from the information in §60.486a:

(1) Process unit identification.

(2) For each month during the semiannual reporting period,

(i) Number of valves for which leaks were detected as described in §60.482–7a(b) or §60.483–2a,

(ii) Number of valves for which leaks were not repaired as required in §60.482–7a(d)(1),

(iii) Number of pumps for which leaks were detected as described in §60.482–2a(b), (d)(4)(ii)(A) or (B), or (d)(5)(iii),

(iv) Number of pumps for which leaks were not repaired as required in §60.482–2a(c)(1) and (d)(6),

(v) Number of compressors for which leaks were detected as described in §60.482–3a(f),

(vi) Number of compressors for which leaks were not repaired as required in §60.482–3a(g)(1),

(vii) Number of connectors for which leaks were detected as described in §60.482–11a(b)

(viii) Number of connectors for which leaks were not repaired as required in §60.482–11a(d), and

(ix)–(x) [Reserved]

(xi) The facts that explain each delay of repair and, where appropriate, why a process unit shutdown was technically infeasible.

(3) Dates of process unit shutdowns which occurred within the semiannual reporting period.

(4) Revisions to items reported according to paragraph (b) of this section if changes have occurred since the initial report or subsequent revisions to the initial report.

(d) An owner or operator electing to comply with the provisions of §§60.483–1a or 60.483–2a shall notify the Administrator of the alternative standard selected 90 days before implementing either of the provisions.

(e) An owner or operator shall report the results of all performance tests in accordance with §60.8 of the General Provisions. The provisions of §60.8(d) do not apply to affected facilities subject to the provisions of this subpart except that an owner or operator must notify the Administrator of the schedule for the initial performance tests at least 30 days before the initial performance tests.

(f) The requirements of paragraphs (a) through (c) of this section remain in force until and unless EPA, in delegating enforcement authority to a state under section 111(c) of the CAA, approves reporting requirements or an alternative means of compliance surveillance adopted by such state. In that event, affected sources within the state will be relieved of the obligation to comply with the requirements of paragraphs (a) through (c) of this section, provided that they comply with the requirements established by the state.

§ 60.488A RECONSTRUCTION.

For the purposes of this subpart:

(a) The cost of the following frequently replaced components of the facility shall not be considered in calculating either the “fixed capital cost of the new components” or the “fixed capital costs that would be required to construct a comparable new facility” under §60.15: Pump seals, nuts and bolts, rupture disks, and packings.

(b) Under §60.15, the “fixed capital cost of new components” includes the fixed capital cost of all depreciable components (except components specified in §60.488a(a)) which are or will be replaced pursuant to all continuous programs of component replacement which are commenced within any 2-year period following the applicability date for the appropriate subpart. (See the “Applicability and designation of affected facility” section of the appropriate subpart.) For purposes of this paragraph, “commenced” means that an owner or operator has undertaken a continuous program of component replacement or that an owner or operator has entered into a contractual obligation to undertake and complete, within a reasonable time, a continuous program of component replacement.

§ 60.489A LIST OF CHEMICALS PRODUCED BY AFFECTED FACILITIES.

Process units that produce, as intermediates or final products, chemicals listed in §60.489 are covered under this subpart. The applicability date for process units producing one or more of these chemicals is November 8, 2006.

Title 40: Protection of Environment

PART 80—REGULATION OF FUELS AND FUEL ADDITIVES

SUBPART A—GENERAL PROVISIONS

§ 80.1 SCOPE.

(a) This part prescribes regulations for the control and/or prohibition of fuels and additives for use in motor vehicles and motor vehicle engines. These regulations are based upon a determination by the Administrator that the emission product of a fuel or additive will endanger the public health, or will impair to a significant degree the performance of a motor vehicle emission control device in general use or which the Administrator finds has been developed to a point where in a reasonable time it would be in general use were such regulations promulgated; and certain other findings specified by the Act.

(b) Nothing in this part is intended to preempt the ability of State or local governments to control or prohibit any fuel or additive for use in motor vehicles and motor vehicle engines which is not explicitly regulated by this part.

[38 FR 1255, Jan. 10, 1973, as amended at 38 FR 33741, Dec. 6, 1973; 42 FR 25732, May 19, 1977]

§ 80.2 DEFINITIONS.

As used in this part:

(a) *Act* means the Clean Air Act, as amended (42 U.S.C. 1857 *et seq.*).

(b) *Administrator* means the Administrator of the Environmental Protection Agency.

(c) *Gasoline* means any fuel sold in any State[1] for use in motor vehicles and motor vehicle engines, and commonly or commercially known or sold as gasoline.

[1] *State* means a State, the District of Columbia, the Commonwealth of Puerto Rico, the Virgin Islands, Guam, American Samoa and the Commonwealth of the Northern Mariana Islands.

(d) *Previously certified gasoline,* or PCG, means gasoline or RBOB that previously has been included in a batch for purposes of complying with the standards in Subparts D, E, H, and J of this part, as appropriate.

(e) *Lead additive* means any substance containing lead or lead compounds.

(f) *Previously designated diesel fuel* or *PDD* means diesel fuel that has been previously designated and included by a refiner or importer in a batch for purposes of complying with the standards and requirements of subpart I of this part.

(g) *Unleaded gasoline* means gasoline which is produced without the use of any lead additive and which contains not more than 0.05 gram of lead per gallon and not more than 0.005 gram of phosphorus per gallon.

(h) *Refinery* means any facility, including but not limited to, a plant, tanker truck, or vessel where gasoline or diesel fuel is produced, including any facility at which blendstocks are combined to produce gasoline or diesel fuel, or at which blendstock is added to gasoline or diesel fuel.

(i) *Refiner* means any person who owns, leases, operates, controls, or supervises a refinery.

(j) *Retail outlet* means any establishment at which gasoline, diesel fuel, methanol, natural gas or liquified petroleum gas is sold or offered for sale for use in motor vehicles or nonroad engines, including locomotive engines or marine engines.

(k) *Retailer* means any person who owns, leases, operates, controls, or supervises a retail outlet.

(l) *Distributor* means any person who transports or stores or causes the transportation or storage of gasoline or diesel fuel at any point between any gasoline or diesel fuel refinery or importer's facility and any retail outlet or wholesale purchaser-consumer's facility.

(m) *Lead additive manufacturer* means any person who produces a lead additive or sells a lead additive under his own name.

(n) *Reseller* means any person who purchases gasoline or diesel fuel identified by the corporate, trade, or brand name of a refiner from such refiner or a distributor and resells or transfers it to retailers or wholesale purchaser-consumers displaying the refiner's brand, and whose assets or facilities are not substantially owned, leased, or controlled by such refiner.

(o) *Wholesale purchaser-consumer* means any person that is an ultimate consumer of gasoline, diesel fuel, methanol, natural gas, or liquified petroleum gas and which purchases or obtains gasoline, diesel fuel, natural gas or liquified petroleum gas from a supplier for use in motor vehicles or nonroad engines, including locomotive engines or marine engines and, in the case of gasoline, diesel fuel, methanol or liquified petroleum gas, receives delivery of that product into a storage tank of at least 550-gallon capacity substantially under the control of that person.

(p)–(q) [Reserved]

(r) *Importer* means a person who imports gasoline, gasoline blending stocks or components, or diesel fuel from a foreign country into the United States (including the Commonwealth of Puerto Rico, the Virgin Islands, Guam, American Samoa, and the Northern Mariana Islands).

(s) *Gasoline blending stock, blendstock, or component* means any liquid compound which is blended with other liquid compounds to produce gasoline.

(t) *Carrier* means any distributor who transports or stores or causes the transportation or storage of gasoline or diesel fuel without taking title to or otherwise having any ownership of the gasoline or diesel fuel, and without altering either the quality or quantity of the gasoline or diesel fuel.

(u) *Ethanol blending plant* means any refinery at which gasoline is produced solely through the addition of ethanol to gasoline, and at which the quality or quantity of gasoline is not altered in any other manner.

(v) *Ethanol blender* means any person who owns, leases, operates, controls, or supervises an ethanol blending plant.

(w) *Cetane index* or *"Calculated cetane index"* is a number representing the ignition properties of diesel fuel oils from API gravity and mid-boiling point as determined by ASTM standard method D 976–80, entitled "Standard Methods for Calculated Cetane Index of Distillate Fuels". ASTM test method D 976–80 is incorporated by reference. This incorporation by reference was approved by the Director of the Federal Register in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. A copy may be obtained from the American Society for Testing and Materials, 1916 Race Street, Philadelphia, PA 19103. A copy may be inspected at the Air Docket Section (A–130), Room M–1500, U.S. Environmental Protection Agency, Docket No. A–86–03, 401 M Street SW., Washington, DC 20460 or at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202–741–6030, or go to: *http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html.*

(x) *Diesel fuel* means any fuel sold in any State or Territory of the United States and suitable for use in diesel engines, and that is—

(1) A distillate fuel commonly or commercially known or sold as No. 1 diesel fuel or No. 2 diesel fuel;

(2) A non-distillate fuel other than residual fuel with comparable physical and chemical properties (*e.g.* , biodiesel fuel); or

(3) A mixture of fuels meeting the criteria of paragraphs (1) and (2) of this definition.

(y) *Motor vehicle diesel fuel* means any diesel fuel or other distillate fuel that is used, intended for use, or made available for use in motor vehicles or motor vehicle engines.

(z) *Aromatic content* is the aromatic hydrocarbon content in volume percent as determined by ASTM standard test method D1319–03ϵ[1] , entitled, "Standard Test Method for Hydrocarbon Types in Liquid Petroleum Products by Fluorescent Indicator Adsorption". ASTM standard test method D1319–03ϵ[1] , approved November 1, 2003, is incorporated by reference. This incorporation by reference was approved by the Director of the Federal Register in accordance 5 U.S.C. 552(a) and 1 CFR part 51. Copies may be obtained from the American Society for Testing and Materials, 100 Barr Harbor Dr., West Conshohocken, PA 19428–2959, or by contacting ASTM customer service at 610–832–9585, or by contacting the e-mail address of *service@astm.org* from the ASTM Web site of *http://www.astm.org.* For further information on this test method, please contact the Environmental Protection Agency at 734–214–4582. Copies may be inspected at the Air Docket, EPA/DC, EPA West, Room B102, 1301 Constitution Ave., NW., Washington, DC, or at the National Archives and Records Administration (NARA). The telephone number for the Air Docket Public Reading Room is (202) 566–1742. For information on the availability of this material at NARA, call 202–741–6030 or go to: *http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html.*

(aa) [Reserved]

(bb) *Sulfur percentage* is the percentage of sulfur in diesel fuel by weight, as determined using the applicable sampling and testing methodologies set forth in §80.580.

(cc) *Designated Volatility Nonattainment Area* means any area designated as being in nonattainment with the National Ambient Air Quality Standard for ozone pursuant to rulemaking under section 107(d)(4)(A)(ii) of the Clean Air Act.

(dd) *Designated Volatility Attainment Area* means an area not designated as being in nonattainment with the National Ambient Air Quality Standard for ozone pursuant to rulemaking under section 107(d)(4)(A)(ii) of the Clean Air Act.

(ee) *Reformulated gasoline* means any gasoline whose formulation has been certified under §80.40, and which meets each of the standards and requirements prescribed under §80.41.

(ff) *Conventional gasoline* means any gasoline which has not been certified under §80.40.

(gg) *Batch of gasoline* means a quantity of gasoline that is homogeneous with regard to those properties that are specified for conventional or reformulated gasoline.

(hh) *Covered area* means each of the geographic areas specified in §80.70 in which only reformulated gasoline may be sold or dispensed to ultimate consumers.

(ii) *Reformulated gasoline credit* means the unit of measure for the paper transfer of benzene content resulting from reformulated gasoline which contains less than 0.95 volume percent benzene.

(jj) *Oxygenate* means any substance which, when added to gasoline, increases the oxygen content of that gasoline. Lawful use of any of the substances or any combination of these substances requires that they be "substantially similar" under section 211(f)(1) of the Clean Air Act, or be permitted under a waiver granted by the Administrator under the authority of section 211(f)(4) of the Clean Air Act.

(kk) *Reformulated gasoline blendstock for oxygenate blending, or RBOB* means a petroleum product which, when blended with a specified type and percentage of oxygenate, meets the definition of reformulated gasoline, and to which the specified type and percentage of oxygenate is added other than by the refiner or importer of the RBOB at the refinery or import facility where the RBOB is produced or imported.

(ll) *Oxygenate blending facility* means any facility (including a truck) at which oxygenate is added to gasoline or blendstock, and at which the quality or quantity of gasoline is not altered in any other manner except for the addition of deposit control additives.

(mm) *Oxygenate blender* means any person who owns, leases, operates, controls, or supervises an oxygenate blending facility, or who owns or controls the blendstock or gasoline used or the gasoline produced at an oxygenate blending facility.

(nn) [Reserved]

(oo) *Liquefied petroleum gas* means a liquid hydrocarbon fuel that is stored under pressure and is composed primarily of species that are gases at atmospheric conditions (temperature = 25 °C and pressure = 1 atm), excluding natural gas.

(pp) *Control area* means a geographic area in which only oxygenated gasoline under the oxygenated gasoline program may be sold or dispensed, with boundaries determined by section 211(m) of the Act.

(qq) *Control period* means the period during which oxygenated gasoline must be sold or dispensed in any control area, pursuant to section 211(m)(2) of the Act.

(rr) *Oxygenated gasoline* means gasoline which contains a measurable amount of oxygenate.

(ss) *Tank truck* means a truck and/or trailer used to transport or cause the transportation of gasoline or diesel fuel, that meets the definition of motor vehicle in section 216(2) of the Act.

(tt) *Natural gas* means a fuel whose primary constituent is methane.

(uu) *Methanol* means any fuel sold for use in motor vehicles and commonly known or commercially sold as methanol or MXX, where XX is the percent methanol (CH_3OH) by volume.

(vv) *Opt-in area.* An area which becomes a covered area under §80.70 pursuant to section 211(k)(6) of the Clean Air Act.

(ww) *Gasoline Treated as Blendstock, or GTAB,* means imported gasoline that is excluded from the import facility's compliance calculations, but is treated as blendstock in a related refinery that includes the GTAB in its refinery compliance calculations.

(xx) *Diesel fuel additive* means any substance not composed solely of carbon and/or hydrogen, or of diesel blendstocks, that is added to, intended to be added to, used in, or offered for use in motor vehicle diesel fuel or NRLM diesel fuel or in diesel motor vehicle or diesel NRLM engine fuel systems subsequent to the production of diesel fuel by processing crude oil from refinery processing units.

(yy)–(zz) [Reserved]

(aaa) *Distillate fuel* means diesel fuel and other petroleum fuels that can be used in engines that are designed for diesel fuel. For example, jet fuel, heating oil, kerosene, No. 4 fuel, DMX, DMA, DMB, and DMC are distillate fuels; and natural gas, LPG, gasoline, and residual fuel are not distillate fuels. Blends containing residual fuel may be distillate fuels.

(bbb) *Residual fuel* means a petroleum fuel that can only be used in diesel engines if it is preheated before injection. For example, No. 5 fuels, No. 6 fuels, and RM grade marine fuels are residual fuels. Note: Residual fuels do not necessarily require heating for storage or pumping.

(ccc) *Heating Oil* means any #1, #2, or non-petroleum diesel blend that is sold for use in furnaces, boilers, stationary diesel engines, and similar applications and which is commonly or commercially known or sold as heating oil, fuel oil, and similar trade names, and that is not jet fuel, kerosene, or MVNRLM diesel fuel.

(ddd) *Jet fuel* means any distillate fuel used, intended for use, or made available for use in aircraft.

(eee) *Kerosene* means any No.1 distillate fuel commonly or commercially sold as kerosene.

(fff) *#1D* means the distillate fuel classification relating to "No. 1–D" diesel fuels as described in ASTM D 975–04. The Director of the Federal Register approved the incorporation by reference of ASTM D 975–04, Standard Specification for Diesel Fuel Oils, as prescribed in 5 U.S.C. 552(a) and 1 CFR part 51. Anyone may purchase copies of this standard from the American Society for Testing and Materials, 100 Barr Harbor Dr., West Conshohocken, PA 19428. Anyone may inspect copies at the U.S. EPA, Air and Radiation Docket and Information Center, 1301 Constitution Ave., NW., Room B102, EPA West Building, Washington, DC 20460 or at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202–741–6030, or go to: *http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html.*

(ggg) *#2D* means the distillate fuel classification relating to "No. 2–D" diesel fuels as described in ASTM D 975–04.

(hhh)–(jjj) [Reserved]

(kkk) *Nonroad diesel engine* means an engine that is designed to operate with diesel fuel that meets the definition of nonroad engine in 40 CFR 1068.30, including locomotive and marine diesel engines.

(lll) *Locomotive engine* means an engine used in a locomotive as defined under 40 CFR 92.2.

(mmm) *Marine engine* and *Category 3* have the meanings given under 40 CFR 94.2.

(nnn) *Nonroad, locomotive, or marine (NRLM) diesel fuel* means any diesel fuel or other distillate fuel that is used, intended for use, or made available for use, as a fuel in any nonroad diesel engines, including locomotive and marine diesel engines, except the following: Distillate fuel with a T90 greater than 700 °F that is used only in Category 2 and 3 marine engines is not NRLM diesel fuel. Use the distillation test method specified in 40 CFR 1065.1010 to determine the T90 of the fuel. NR diesel fuel and LM diesel fuel are subcategories of NRLM diesel fuel.

(ooo) *Nonroad (NR) diesel fuel* means any NRLM diesel fuel that is not "locomotive or marine (LM) diesel fuel."

(ppp) *Locomotive or marine (LM) diesel fuel* means any diesel fuel or other distillate fuel that is used, intended for use, or made available for use, as a fuel in locomotive or marine diesel engines, except for the following fuels:

(1) Fuel that is also used, intended for use, or made available for use in motor vehicle engines or nonroad engines other than locomotive and marine diesel engines is not LM diesel fuel.

(2) Distillate fuel with a T90 greater than 700 °F that is used only in Category 2 and 3 marine engines is not LM diesel fuel. Use the distillation test method specified in 40 CFR 1065.1010 to determine the T90 of the fuel.

(qqq) *MVNRLM diesel fuel* means any diesel fuel or other distillate fuel that meets the definition of motor vehicle (MV) or nonroad, locomotive, or marine (NRLM) diesel fuel. Motor vehicle diesel fuel, NRLM diesel fuel, NR diesel fuel, and LM diesel fuel are subcategories of MVNRLM diesel fuel.

(rrr) *Solvent yellow 124* means N-ethyl-N-[2-[1-(2-methylpropoxy)ethoxyl]-4-phenylazo]-benzeneamine.

(sss) *Non-petroleum diesel (NP diesel)* means a diesel fuel that contains at least 80 percent mono-alkyl esters of long chain fatty acids derived from vegetable oils or animal fats.

(Sec. 211, (Sec. 223, Pub. L. 95-95, 91 Stat. 764, 42 U.S.C. 7545(g)) and sec. 301(a) 42 U.S.C. 7602(a), formerly 42 U.S.C. 1857g(a)) of the Clean Air Act, as amended)

[38 FR 1255, Jan. 10, 1973]

Editorial Note: For Federal Register citations affecting §80.2, see the List of CFR Sections Affected, which appears in the Finding Aids section of the printed volume and on GPO Access.

§ 80.3 TEST METHODS.

The lead and phosphorus content of gasoline shall be determined in accordance with test methods set forth in the appendices to this part.

[47 FR 765, Jan. 7, 1982]

§ 80.4 RIGHT OF ENTRY; TESTS AND INSPECTIONS.

The Administrator or his authorized representative, upon presentation of appropriate credentials, shall have a right to enter upon or through any refinery, retail outlet, wholesale purchaser-consumer facility, or detergent manufacturer facility; or the premises or property of any gasoline or detergent distributor, carrier, or importer; or any place where gasoline or detergent is stored; and shall have the right to make inspections, take samples, obtain information and records, and conduct tests to determine compliance with the requirements of this part.

[61 FR 35356, July 5, 1996]

§ 80.5 PENALTIES.

Any person who violates these regulations shall be liable to the United States for a civil penalty of not more than the sum of $25,000 for every day of such violation and the amount of economic benefit or savings resulting from the violation. Any violation with respect to a regulation proscribed under section 211(c), (k), (l) or (m) of the Act which establishes a regulatory standard based upon a multi-day averaging period shall constitute a separate day of violation for each and every day in the averaging period. Civil penalties shall be assessed in accordance with section 205(b) and (c) of the Act.

[58 FR 65554, Dec. 15, 1993]

§ 80.7 REQUESTS FOR INFORMATION.

(a) When the Administrator, the Regional Administrator, or their delegates have reason to believe that a violation of section 211(c) or section 211(n) of the Act and the regulations there under has occurred, they may require any refiner, distributor, wholesale purchaser-consumer, or retailer to report

the following information regarding receipt, transfer, delivery, or sale of gasoline represented to be unleaded gasoline and to allow the reproduction of such information at all reasonable times.

(1) For any bulk shipment of gasoline represented to be unleaded gasoline which is transferred, sold, or delivered within the previous 6 months by a refiner or a distributor to a distributor, wholesale purchaser-consumer or a retail outlet, the refiner or distributor shall maintain and provide the following information as applicable:

(i) Business or corporate name and address of distributors, wholesale purchaser-consumers or retail outlets to which the gasoline has been transferred, sold, or delivered.

(ii) Quantity of gasoline involved.

(iii) Date of delivery.

(iv) Storage location of gasoline prior to transit via delivery vessel (e.g., location of a bulk terminal).

(v) Business or corporate name and address of the person who delivered the gasoline.

(vi) Identification of delivery vessel (e.g., truck number). This information shall be supplied by the person in paragraph (a)(1)(v) of this section who performed the delivery, e.g., common or contract carrier.

(2) For any bulk shipment of gasoline represented to be unleaded gasoline received by a retail outlet or a wholesale-purchaser-consumer facility within the previous 6 months, whether by purchase or otherwise, the retailer or wholesale purchaser-consumer shall maintain accessibility to and provide the following information:

(i) Business or corporate name and address of the distributor.

(ii) Quantity of gasoline received.

(iii) Date of receipt.

(b) Upon request by the Administrator, the Regional Administrator, or their delegates, any retailer shall provide documentation of his annual total sales volume in gallons of gasoline for each retail outlet for each calendar year beginning with 1971.

(c) Any refiner, distributor, wholesale purchaser-consumer, retailer, or importer shall provide such other information as the Administrator or his authorized representative may reasonably require to enable him to determine whether such refiner, distributor, wholesale purchaser-consumer, retailer, or importer has acted or is acting in compliance with sections 211(c) and 211(n) of the Act and the regulations there under and shall, upon request of the Administrator or his authorized representative, produce and allow reproduction of any relevant records at all reasonable times. Such information may include but is not limited to records of unleaded gasoline inventory at a wholesale purchaser-consumer facility or a retail outlet, unleaded pump meter readings at a wholesale purchaser-consumer facility or a retail outlet, and receipts providing the date of acquisition of signs, labels, and nozzles required by §80.22. No person shall be required to furnish information requested under this paragraph if he can establish that such information is not maintained in the normal course of his business.

(Secs. 211, 301, Clean Air Act, as amended (42 U.S.C. 1857f–6c, 1857g))

[40 FR 36336, Aug. 20, 1975, as amended at 42 FR 45307, Sept. 9, 1977; 47 FR 49332, Oct. 29, 1982; 61 FR 3837, Feb. 2, 1996]

§ 80.8 SAMPLING METHODS FOR GASOLINE AND DIESEL FUEL.

The sampling methods specified in this section shall be used to collect samples of gasoline and diesel fuel for purposes of determining compliance with the requirements of this part.

(a) *Manual sampling.* Manual sampling of tanks and pipelines shall be performed according to the applicable procedures specified in American Society for Testing and Materials (ASTM) method D 4057–95(2000), entitled “Standard Practice for Manual Sampling of Petroleum and Petroleum Products.”

(b) *Automatic sampling.* Automatic sampling of petroleum products in pipelines shall be performed according to the applicable procedures specified in ASTM method D 4177–95(2000), entitled “Standard Practice for Automatic Sampling of Petroleum and Petroleum Products.”

(c) *Sampling and sample handling for volatility measurement.* Samples to be analyzed for Reid Vapor Pressure (RVP) shall be collected and handled according to the applicable procedures in ASTM method D 5842–95(2000), entitled “Standard Practice for Sampling and Handling of Fuels for Volatility Measurement.”

(d) *Sample compositing.* Composite samples shall be prepared using the applicable procedures in ASTM method D 5854–96(2000), entitled “Standard Practice for Mixing and Handling of Liquid Samples of Petroleum and Petroleum Products.”

(e) *Incorporations by reference.* ASTM standard practices D 4057–95(2000), D 4177–95(2000), D 5842–95(2000), and D 5854–96(2000), are incorporated by reference. These incorporations by reference were approved by the Director of the Federal Register in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. Copies may be obtained from the American Society for Testing and Materials, 100 Barr Harbor Dr., West Conshohocken, PA 19428–2959. Copies may be inspected at the Air Docket Section (LE–131), room M–1500, U.S. Environmental Protection Agency, Docket No. A–

97–03, 401 M Street, SW., Washington, DC 20460, or at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202–741–6030, or go to: *http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html.*

[67 FR 8736, Feb. 26, 2002]

§ 80.9 ROUNDING A TEST RESULT FOR DETERMINING CONFORMANCE WITH A FUELS STANDARD.

(a) For purposes of determining compliance with the fuel standards of 40 CFR part 80, a test result will be rounded to the nearest unit of significant digits specified in the applicable fuel standard in accordance with the rounding method described in the ASTM standard practice, ASTM E 29–02ϵ^1, entitled, "Standard Practice for Using Significant Digits in Test Data to Determine Conformance with Specifications".

(b) ASTM standard practice, E 29–02$\epsilon^1$is incorporated by reference. This incorporation by reference was approved by the Director of the Federal Register in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. A copy may be obtained from the American Society for Testing and Materials, 100 Barr Harbor Dr., West Conshohocken, PA 19428–2959. Copies may be inspected at the Air Docket, EPA/DC, EPA West, Room B102, 1301 Constitution Ave., NW., Washington, DC, or at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202–741–6030 or go to: *http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html.*

[71 FR 16499, Apr. 3, 2006]

Title 40: Protection of Environment
PART 80—REGULATION OF FUELS AND FUEL ADDITIVES

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SUBPART I—MOTOR VEHICLE, NONROAD, LOCOMOTIVE, AND MARINE DIESEL FUEL

Source: 66 FR 5136, Jan. 18, 2001, unless otherwise noted.

GENERAL INFORMATION

§ 80.500 WHAT ARE THE IMPLEMENTATION DATES FOR THE MOTOR VEHICLE DIESEL FUEL SULFUR CONTROL PROGRAM?

The implementation dates for standards for motor vehicle diesel fuel and diesel fuel additives, and for other provisions of this subpart, are as follows:

(a) *Implementation date for standards applicable to production or importation of motor vehicle diesel fuel, and to motor vehicle diesel fuel additives.* Except as provided in paragraph (d) of this section, beginning June 1, 2006:

(1) The standards and requirements under §80.520(a) and (b) shall apply to any motor vehicle diesel fuel produced or imported by any refiner or importer; and

(2) The standards and requirements under §80.521 shall apply to any motor vehicle diesel fuel additive.

(b) *Implementation date for standards applicable to motor vehicle diesel fuel downstream of the refinery or importer.* Except as provided in paragraphs (c) and (d) of this section, beginning September 1, 2006, the standards and requirements under §80.520(a) shall apply to any motor vehicle diesel fuel at any downstream location.

(c) *Implementation date for standards applicable to motor vehicle diesel fuel at retail outlets and wholesale purchaser-consumer facilities.* Except as provided in paragraph (d) of this section, beginning October 15, 2006, the standards and requirements under §80.520(a) shall apply to any motor vehicle diesel fuel at any retail outlet or wholesale purchaser-consumer facility.

(d) *Implementation date for motor vehicle diesel fuel subject to the 500 ppm sulfur content standard in §80.520(c).* (1) Beginning June 1, 2006, the sulfur content standard of §80.520(c) shall apply to motor vehicle diesel fuel, but only where authorized under, and subject to, an applicable provision of this Subpart.

(2) Beginning June 1, 2010, the sulfur content standard of §80.520(c) shall no longer apply to any motor vehicle diesel fuel produced or imported by any refiner or importer.

(3) Beginning October 1, 2010, the sulfur content standard of §80.520(c) shall no longer apply to any motor vehicle diesel fuel at any downstream location other than a retail or wholesale purchaser-consumer facility.

(4) Beginning December 1, 2010, the sulfur content standard of §80.520(c) shall no longer apply to any motor vehicle diesel fuel.

(e) *Other provisions.* All other provisions of this subpart apply beginning June 1, 2006, unless another date is specified.

[66 FR 5136, Jan. 18, 2001, as amended at 69 FR 39168, June 29, 2004; 70 FR 70509, Nov. 22, 2005]

§ 80.501 WHAT FUEL IS SUBJECT TO THE PROVISIONS OF THIS SUBPART?

(a) *Included fuel and additives.* The provisions of this subpart apply to the following fuels and additives except as specified in paragraph (b) of this section:

(1) Motor vehicle diesel fuel.

(2) Nonroad, locomotive, or marine diesel fuel.

(3) Diesel fuel additives.

(4) Heating oil.

(5) Other distillate fuels.

(6) Motor oil that is used as or intended for use as fuel in diesel motor vehicles or nonroad diesel engines or is blended with diesel fuel for use in diesel motor vehicles or nonroad diesel engines, including locomotive and marine diesel engines, at any downstream location.

(b) *Excluded fuel.* The provisions of this subpart do not apply to distillate fuel that is designated for export outside the United States in accordance with §80.598, identified for export by a transfer document as required under §80.590, and that is exported.

[69 FR 39168, June 29, 2004]

§ 80.502 WHAT DEFINITIONS APPLY FOR PURPOSES OF THIS SUBPART?

The definitions of §80.2 and the following additional definitions apply to this subpart I:

(a) *Entity* means any refiner, importer, distributor, retailer or wholesale-purchaser consumer of any distillate fuel.

(b) *Facility* means any place, or series of places, where an entity produces, imports, or maintains custody of any distillate fuel from the time it is received to the time custody is transferred to another entity, except as described in paragraphs (b)(1) through (b)(4) of this section:

(1) Where an entity maintains custody of a batch of diesel fuel from one place in the distribution system to another place (*e.g.* , from a pipeline to a terminal), all owned by the same entity, both places combined are considered to be one single aggregated facility, except where an entity chooses to treat components of such an aggregated facility as separate facilities. The choice made to treat these places as separate facilities may not be changed by the entity during any applicable compliance period. Except as specified in paragraph (b)(2) of this section, where compliance requirements depend upon facility-type, the entire facility must comply with the requirements that apply to its components as follows:

(i) If an aggregated facility includes a refinery, the entire facility must comply with the requirements applicable to refineries.

(ii) If an aggregated facility includes a truck loading terminal but not a refinery, the entire facility must comply with the requirements applicable to truck loading terminals.

(iii) *Situations where a refinery is aggregated with a truck loading terminal.*

(A) Where a refinery is aggregated with a truck loading terminal, diesel fuel or other product subject to the requirements of this subpart I produced by such refinery and distributed over the truck terminal rack must be included in refinery batches that may be based on shipments to a truck terminal rack tank or on the total volumes delivered to tanker trucks for a period not to exceed 1 calendar month per batch.

(B) Where a refinery is aggregated with a truck loading terminal, diesel fuel or other product subject to the requirements of this subpart I that were imported or produced by another refinery, and that are distributed through the refinery or truck terminal rack, must be treated as previously designated fuel for which the aggregated facility is responsible for all applicable balance and downgrade requirements under §§80.527, 80.598, 80.599 and related recordkeeping and reporting requirements like any other distributor downstream from the refiner or importer.

(2) A refinery or import facility may not be aggregated with facilities that receive fuel from other refineries or import facilities, either directly or indirectly. For example, a refinery may not be aggregated with a terminal that receives any fuel from a common carrier pipeline. However, a refinery may be aggregated with a pipeline and terminal that are owned by the same entity and which receive no fuel from any source other than the refinery. Likewise, a refinery may not be aggregated with a mobile facility that is also carrying another entity's fuel; it may however be aggregated with a mobile facility that does not receive fuel from any source other than the refinery. If a refinery or import facility is aggregated with other facilities, then the aggregated facility is treated as a refinery or import facility.

(3) Retail outlets or wholesale purchaser consumers may not be aggregated with any other facility.

(4) Mobile components and mobile facilities. (i) Where an entity maintains custody of diesel fuel in one or more mobile components (*e.g.* , rail, barge, shipping, or trucking operations), the mobile components may be aggregated as a single facility. Mobile components may also be aggregated with a facility from which they receive fuel or a facility to which they deliver fuel. However, mobile components may not be aggregated with both a facility from which they receive fuel and a facility to which they deliver fuel.

(ii) When an entity maintains title to, but not custody of, diesel fuel in one or more mobile components, the entity may treat the mobile component(s) as a facility under this paragraph (b), but only for the fuel to which the entity has title. In the event that title changes while a mobile component is in transport (but the fuel physically remains in the same mobile facility), the original entity that had title to the fuel continues to be responsible for the designate and track requirements until custody of the fuel is transferred from the mobile facility.

(5) An individual refinery or contiguous pipeline may not be subdivided into more than one facility. An individual terminal may not be subdivided into more than one facility unless approved by the Administrator.

(c) *Truck loading terminal* means any facility that dyes NRLM diesel fuel, pays taxes on motor vehicle diesel fuel per IRS code (26 CFR part 48), or adds a fuel marker pursuant to §80.510 to heating oil and delivers diesel fuel or heating oil into trucks for delivery to retail or ultimate consumer locations.

(d) *Batch* means a quantity of diesel fuel or distillate which is homogeneous with regard to those properties that are specified for MVNRLM diesel fuel under this subpart I of this part, has the same designation under this subpart I (if applicable), and whose custody is transferred from one facility to another facility.

(1) In the case of aggregated facilities consisting of a refinery and a truck loading terminal, a batch may be defined by one of the following methods:

(i) The sum of the deliveries from the truck loading terminal rack to trucks for periods not to exceed 1 month;

(ii) Each individual truck or truck compartment; or

(iii) For refineries with “certification tanks” where testing is performed and “rack tanks” that feed the truck loading terminal rack, each transfer from the

certification tank to the rack tank. If this method of determining a batch is selected, it must be the sole method used and must be performed such that no double-counting or undercounting of volumes occurs.

(2) [Reserved]

(e) *Downstream location* means any point in the diesel fuel distribution system that is downstream of refineries and import facilities, for example, diesel fuel at facilities of distributors, carriers, retailers, kerosene blenders, and wholesale purchaser-consumers.

(f) *Definition of PADD.* For the purposes of this subpart only, the following definitions of PADDs apply:

(1) The following States are included in PADD I:

Connecticut

Delaware

District of Columbia

Florida

Georgia

Maine

Maryland

Massachusetts

New Hampshire

New Jersey

New York

North Carolina

Pennsylvania

Rhode Island

South Carolina

Vermont

Virginia

West Virginia

(2) The following States are included in PADD II:

Illinois

Indiana

Iowa

Kansas

Kentucky

Michigan

Minnesota

Missouri

Nebraska

North Dakota

Ohio

Oklahoma

South Dakota

Tennessee

Wisconsin

(3) The following States are included in PADD III:

Alabama

Arkansas

Louisiana

Mississippi

New Mexico

Texas

(4) The following States are included in PADD IV:

Colorado

Idaho

Montana

Utah

Wyoming

(5) The following States are included in PADD V:

Alaska

Arizona

California

Hawaii

Nevada

Oregon

Washington

(6) The following areas are included in PADD VI:

U.S. Virgin Islands

Commonwealth of Puerto Rico

[69 FR 39168, June 29, 2004, as amended at 70 FR 70509, Nov. 22, 2005; 71 FR 25716, May 1, 2006]

§§ 80.503-80.509 [RESERVED]

§ 80.510 WHAT ARE THE STANDARDS AND MARKER REQUIREMENTS FOR NRLM DIESEL FUEL?

(a) *Beginning June 1, 2007* . Except as otherwise specifically provided in this subpart, all NRLM diesel fuel is subject to the following per-gallon standards:

(1) Sulfur content. 500 parts per million (ppm) maximum.

(2) Cetane index or aromatic content, as follows:

(i) A minimum cetane index of 40; or

(ii) A maximum aromatic content of 35 volume percent.

(b) *Beginning June 1, 2010* . Except as otherwise specifically provided in this subpart, all NR and LM diesel fuel is subject to the following per-gallon standards:

(1) Sulfur content.

(i) 15 ppm maximum for NR diesel fuel.

(ii) 500 ppm maximum for LM diesel fuel.

(2) Cetane index or aromatic content, as follows:

(i) A minimum cetane index of 40; or

(ii) A maximum aromatic content of 35 volume percent.

(c) *Beginning June 1, 2012* . Except as otherwise specifically provided in this subpart, all NRLM diesel fuel is subject to the following per-gallon standards:

(1) Sulfur content. 15 ppm maximum.

(2) Cetane index or aromatic content, as follows:

(i) A minimum cetane index of 40; or

(ii) A maximum aromatic content of 35 volume percent.

(d) *Marking provisions.* From June 1, 2007 through May 31, 2010:

(1) Except as provided for in paragraph (i) of this section, prior to distribution from a truck loading terminal, all heating oil shall contain six milligrams per liter of marker solvent yellow 124.

(2) All motor vehicle and NRLM diesel fuel shall be free of solvent yellow 124.

(3) Any diesel fuel that contains greater than or equal to 0.10 milligrams per liter of marker solvent yellow 124 shall be deemed to be heating oil and shall be prohibited from use in any motor vehicle or nonroad diesel engine (including locomotive, or marine diesel engines).

(4) Except as provided for in paragraph (i) of this section, any diesel fuel, other than jet fuel or kerosene that is downstream of a truck loading terminal, that contains less than 0.10 milligrams per liter of marker solvent yellow 124 shall be considered motor vehicle diesel fuel or NRLM diesel fuel, as appropriate.

(5) Any heating oil that is required to contain marker solvent yellow 124 pursuant to the requirements of this paragraph (d) must also contain visible evidence of dye solvent red 164.

(e) *Marking provisions.* From June 1, 2010 through May 31, 2012:

(1) Except as provided for in paragraph (i) of this section, prior to distribution from a truck loading terminal, all heating oil and diesel fuel designated as 500 ppm sulfur LM diesel fuel shall contain six milligrams per liter of solvent yellow 124.

(2) All motor vehicle and NR diesel fuel shall be free of marker solvent yellow 124.

(3) Any diesel fuel that contains greater than or equal to 0.10 milligrams per liter of marker solvent yellow 124 shall be deemed to be LM diesel fuel or heating oil, as appropriate, and shall be prohibited from use in any motor vehicle or nonroad diesel engine (except for locomotive or marine diesel engines).

(4) Except as provided for in paragraph (i) of this section, any diesel fuel, other than jet fuel or kerosene that is downstream of a truck loading terminal, that contains less than 0.10 milligrams per liter of marker solvent yellow 124 shall be considered motor vehicle diesel fuel or NR diesel fuel, as appropriate.

(5) Any LM diesel fuel or heating oil that is required to contain marker solvent yellow 124 pursuant to the requirements of this paragraph (e) must also contain visible evidence of dye solvent red 164.

(f) *Marking provisions.* Beginning June 1, 2012:

(1) Except as provided for in paragraph (i) of this section, prior to distribution from a truck loading terminal, all heating oil shall contain six milligrams per liter of marker solvent yellow 124.

(2) All motor vehicle and NRLM diesel fuel shall be free of marker solvent yellow 124.

(3) Any diesel fuel that contains greater than or equal to 0.10 milligrams per liter of marker solvent yellow 124 shall be deemed to be heating oil and shall be prohibited from use in any motor vehicle or nonroad diesel engine (including locomotive, or marine diesel engines).

(4) Except as provided for in paragraph (i) of this section, any diesel fuel, other than jet fuel or kerosene that is downstream of a truck loading terminal, that contains less than 0.10 milligrams per liter of marker solvent yellow 124 shall be considered motor vehicle diesel fuel or NRLM diesel fuel, as appropriate.

(5) Any heating oil that is required to contain marker solvent yellow 124 pursuant to the requirements of this paragraph (f) must also contain visible evidence of dye solvent red 164.

(g) Special provisions in this part apply to the following areas:

(1) Northeast/Mid-Atlantic Area which includes the following states and counties: North Carolina, Virginia, Maryland, Delaware, New Jersey, Connecticut, Rhode Island, Massachusetts, Vermont, New Hampshire, Maine, Washington D.C., New York (except for the counties of Chautauqua, Cattaraugus, and Allegany), Pennsylvania (except for the counties of Erie, Warren, Mc Kean, Potter, Cameron, Elk, Jefferson, Clarion, Forest, Venango, Mercer, Crawford, Lawrence, Beaver, Washington, and Greene), and the eight eastern-most counties of West Virginia (Jefferson, Berkeley, Morgan, Hampshire, Mineral, Hardy, Grant, and Pendleton).

(2) Alaska.

(h) Pursuant and subject to the provisions of §80.536, §80.554, §80.560, or §80.561:

(1) Except as provided in paragraph (j) of this section, from June 1, 2007 through May 31, 2010, NRLM diesel fuel produced or imported in full compliance with the requirements of §§80.536, 80.554, 80.560, and 80.561 is exempt from the per-gallon sulfur content standard and cetane or aromatics standard of paragraph (a) of this section.

(2) Except as provided in paragraph (j) of this section, from June 1, 2010 through May 31, 2012 for NR diesel fuel and from June 1, 2012 through May 31, 2014 for NRLM diesel fuel produced or imported in full compliance with the requirements of §§80.536, 80.554, 80.560, and 80.561 is exempt from the per-gallon standards of paragraphs (b) and (c) of this section, but is subject to the per-gallon standards of paragraph (a) of this section.

(i) The marking requirements of paragraphs (d)(1), (d)(4), (e)(1), (e)(4), (f)(1), and (f)(4) of this section do not apply to heating oil, or, for paragraphs (e)(1) and (e)(4) of this section, diesel fuel designated as LM diesel fuel that is distributed from a truck loading terminal located within the areas listed in paragraphs (g)(1) and (g)(2) of this section and is for sale or intended for sale within these areas, or that is distributed from any other truck loading terminal and is for sale or intended for sale within the area listed in (g)(2) of this section.

(j) The provisions of paragraphs (h)(1) and (h)(2) of this section do not apply to diesel fuel sold or intended for sale in the areas listed in paragraph (g)(1) of this section that is produced or imported in full compliance with the requirements of §§80.536 and 80.554 or to diesel fuel sold or intended for sale in the area listed in paragraph (g)(2) of this section that is produced or imported in full compliance with the requirements of §80.536.

[69 FR 39168, June 29, 2004, as amended at 70 FR 40895, July 15, 2005]

§ 80.511 WHAT ARE THE PER-GALLON AND MARKER REQUIREMENTS THAT APPLY TO NRLM DIESEL FUEL AND HEATING OIL DOWNSTREAM OF THE REFINER OR IMPORTER?

(a) *Applicable dates for marker requirements* . Beginning June 1, 2006, all NRLM diesel fuel shall contain less than 0.10 milligrams per liter of the marker solvent yellow 124, except for LM diesel fuel subject to the marking requirements of §80.510(e).

(b) *Applicable dates for per-gallon standards.* (1) Beginning June 1, 2006, all NRLM diesel fuel must comply with the per-gallon sulfur standard for the designation or classification stated on its PTD, pump label, or other documentation. Based on the provisions of §80.510(h) and (j), there is no uniform downstream sulfur standard until the downstream dates identified in paragraphs (b)(3) through (b)(8) of this section.

(2) Except as provided in paragraphs (b)(5) and (b)(8) of this section, beginning December 1, 2010, all NRLM diesel fuel must comply with the cetane index or aromatics standard of §80.510.

(3) Except as provided in paragraphs (b)(5) through (b)(8) of this section, the per-gallon sulfur standard of §80.510(a) shall apply to all NRLM diesel fuel beginning August 1, 2010 for all downstream locations other than retail outlets or wholesale purchaser-consumer facilities, shall apply to all NRLM diesel fuel beginning October 1, 2010 for retail outlets and wholesale purchaser-consumer facilities, and shall apply to all NRLM diesel fuel beginning December 1, 2010 for all locations.

(4) Except as provided in paragraphs (b)(5) through (b)(8) of this section, the per-gallon sulfur standard of §80.510(c) shall apply to all NRLM diesel fuel beginning August 1, 2014 for all downstream locations other than retail outlets or wholesale purchaser-consumer facilities, shall apply to all NRLM diesel fuel beginning October 1, 2014 for retail outlets and wholesale purchaser-consumer facilities, and shall apply to all NRLM diesel fuel beginning December 1, 2014 for all locations. This paragraph (b)(4) does not apply to LM diesel fuel that is sold or intended for sale in areas other than those listed in §80.510(g)(1) or (g)(2).

(5) For all NRLM diesel fuel that is sold or intended for sale in the areas listed in §80.510(g)(1), the per-gallon sulfur standard and the cetane index or aromatics standard of 80.510(a) shall apply to all NRLM diesel fuel beginning August 1, 2007 for all downstream locations other than retail outlets or wholesale purchaser-consumer facilities, shall apply to all NRLM diesel fuel beginning October 1, 2007 for retail outlets and wholesale purchaser-consumer facilities, and shall apply to all NRLM diesel fuel beginning December 1, 2007 for all locations.

(6) For all NR diesel fuel that is sold or intended for sale in the areas listed in §80.510(g)(1), the per-gallon sulfur standard of §80.510(b) shall apply to all NR diesel fuel beginning August 1, 2010 for all downstream locations other than retail outlets or wholesale purchaser-consumer facilities, shall apply to all NR diesel fuel beginning October 1, 2010 for retail outlets and wholesale purchaser-consumer facilities, and shall apply to all NR diesel fuel beginning December 1, 2010 for all locations.

(7) For all NRLM diesel fuel that is sold or intended for sale in the areas listed in §80.510(g)(1), the per-gallon sulfur standard of §80.510(c) shall apply to all NRLM diesel fuel beginning August 1, 2012 for all downstream locations other than retail outlets or wholesale purchaser-consumer facilities, shall apply to all NRLM diesel fuel beginning October 1, 2012 for retail outlets and wholesale purchaser-consumer facilities, and shall apply to all NRLM diesel fuel beginning December 1, 2012 for all locations.

(8) The provisions of paragraphs (b)(5) through (b)(7) of this section shall apply for all NRLM or NR diesel fuel that is sold or intended for sale in the area listed in §80.510(g)(2), except for NRLM or NR diesel fuel that is produced in accordance with a compliance plan approved under §80.554.

(9) For the purposes of this section, distributors that have their own fuel storage tanks and deliver only to ultimate consumers shall be treated the same as retailers and their facilities treated the same as retail outlets.

[69 FR 39169, June 29, 2004]

§ 80.512 MAY AN IMPORTER TREAT DIESEL FUEL AS BLENDSTOCK?

An importer may exclude diesel fuel that it imports from the requirements under this subpart, and instead may designate such diesel fuel as diesel fuel treated as blendstock (DTAB), if all the following conditions are met:

(a) The DTAB must be included in all applicable designation, credit and compliance calculations for diesel fuel for a refinery operated by the same entity that is the importer . That entity must meet all refiner standards and requirements.

(b) The importer entity may not transfer title of the DTAB to another entity until the DTAB has been used to produce diesel fuel and all refiner standards and requirements have been met for the diesel fuel produced.

(c) The refinery at which the DTAB is used to produce diesel fuel must be physically located at either the same terminal at which the DTAB first arrives in the U.S., the import facility, or at a facility to which the DTAB is directly transported from the import facility.

(d) The DTAB must be completely segregated from any other diesel fuel, including any diesel fuel tank bottoms, prior to the point of blending, sampling and testing in the importer entity's refinery operation. The DTAB may, however, be added to a diesel fuel blending tank where the diesel fuel tank bottom is not included as part of the batch volume for a prior batch. In addition, the DTAB may be placed into a storage tank that contains other DTAB imported by that importer. The DTAB also may be discharged into a tank containing finished diesel fuel of the same category as the diesel fuel which will be produced using the DTAB (for example, 15 ppm sulfur undyed or 15 ppm sulfur dyed diesel fuel) provided the blending process is performed in that same tank.

(e) The entity must account for the volume of diesel fuel produced using DTAB in a manner that excludes the volume of any previously designated diesel fuel. The diesel fuel tank bottom may not be included in the company's refinery compliance calculations for that batch of diesel fuel if the fuel in that tank bottom has been previously designated by a refiner or importer. This exclusion of previously designated diesel fuel must be accomplished using the following approach:

(1) Determine the volume of any tank bottom that is previously designated diesel fuel before any diesel fuel production begins.

(2) Add the DTAB plus any blendstock to the storage tank, and completely mix the tank.

(3) Determine the volume and sulfur content of the diesel fuel contained in the storage tank after blending is complete. Mathematically subtract the volume of the tank bottom to determine the volume of the DTAB plus blendstock added, and subsequently transferred to another facility. Such fuel is reported to EPA as a batch of diesel fuel under §§80.593, 80.601, and 80.604.

(4) If previously designated motor vehicle diesel fuel having a sulfur content of 15 ppm or less is blended with DTAB, and the combined product after blending has a sulfur content that exceeds 15 ppm, the importer entity, in its capacity as a refiner, must redesignate all the diesel fuel as 500 ppm sulfur motor vehicle diesel fuel for purposes of the temporary compliance option under §80.530, or other permissible redesignation under §80.598. If #2D 15 ppm sulfur motor vehicle diesel fuel is redesignated as #2D 500 ppm sulfur motor vehicle diesel fuel, such entity must apply the volume of previously designated 15 ppm sulfur diesel fuel, for purposes of its operations as a distributor, to its downgrading limitation under §80.527, if applicable, and for volume balancing purposes under §80.599.

(5) As an alternative to paragraphs (e)(1) through (e)(4) of this section, where an importer has a blending tank that is used only to combine DTAB and blending components, and no previously designated diesel fuel is added to the tank, the importer entity, in its capacity as a refiner, may account for the diesel fuel produced in such a blending tank by sampling and testing for the sulfur content of the batch after DTAB and blendstock are added and mixed, and reporting the volume of diesel fuel transferred from that tank to a different facility, up to the point where a new blend is produced by adding new DTAB and blendstock.

(f) The importer must include the volume and sulfur content of each batch of DTAB in the annual importer reports to EPA, as prescribed under §§80.593, 80.601, and 80.604, but with a notation that the batch is not included in the importer compliance calculations because the product is DTAB. Any DTAB that ultimately is not used in the importer's refinery operation (for example, a tank bottom of DTAB at the conclusion of the refinery operation), must be treated as newly imported diesel fuel, for which all required sampling and testing, and recordkeeping must be accomplished, and included in the importer's compliance calculations for the averaging period when this sampling and testing occurs.

(g) The importer must retain records that reflect the importation, sampling and testing, and physical movement of any DTAB, and must make these records available to EPA on request.

[69 FR 39170, June 29, 2004]

§ 80.513 WHAT PROVISIONS APPLY TO TRANSMIX PROCESSING FACILITIES?

For purposes of this section, transmix means a mixture of finished fuels that no longer meets the specifications for a fuel that can be used or sold without further processing. This section applies to refineries that produce diesel fuel from transmix by distillation or other refining processes but do not produce diesel fuel by processing crude oil. This section only applies to the volume of diesel fuel produced by such a transmix processor using these processes, and does not apply to any diesel fuel produced by the blending of blendstocks.

(a) From June 1, 2006 through May 31, 2010, motor vehicle diesel fuel produced by a transmix processor is subject to the 500 ppm sulfur standard under §80.520(c).

(b) Beginning June 1, 2010, motor vehicle diesel fuel produced by a transmix processor is subject to the sulfur standard under §80.520(a)(1).

(c) From June 1, 2007 through May 31, 2010, NRLM diesel fuel produced by a transmix processor is exempt from the standards of §80.510(a). This paragraph (c) does not apply to NRLM diesel fuel that is sold or intended for sale in the areas listed in §80.510(g)(1) or (g)(2).

(d) From June 1, 2010 through May 31, 2014, NRLM diesel fuel produced by a transmix processor is subject to the standards under §80.510(a). This paragraph (d) does not apply to NRLM diesel fuel that is sold or intended for sale in the areas listed in §80.510(g)(1) or (g)(2).

(e) From June 1, 2014 and beyond, NRLM diesel fuel produced by a transmix processor is subject to the standards of §80.510(c), except that LM diesel fuel is subject to the sulfur standard of §80.510(a). This paragraph (e) does not apply to NRLM or LM diesel fuel that is sold or intended for sale in the areas listed in §80.510(g)(1) or (g)(2).

[69 FR 39171, June 29, 2004]

§§ 80.514-80.519 [RESERVED]

MOTOR VEHICLE DIESEL FUEL STANDARDS AND REQUIREMENTS

§ 80.520 WHAT ARE THE STANDARDS AND DYE REQUIREMENTS FOR MOTOR VEHICLE DIESEL FUEL?

(a) *Standards.* All motor vehicle diesel fuel is subject to the following per-gallon standards:

(1) *Sulfur content.* 15 parts per million (ppm) maximum, except as provided in paragraph (c) of this section;

(2) *Cetane index and aromatic content.* (i) A minimum cetane index of 40; or

(ii) A maximum aromatic content of 35 volume percent.

(b) *Dye requirements* . (1) All motor vehicle diesel fuel shall be free of visible evidence of dye solvent red 164 (which has a characteristic red color in diesel fuel), except for motor vehicle diesel fuel that is used in a manner that is tax exempt under section 4082 of the Internal Revenue Code. All motor vehicle diesel fuel shall be free of yellow solvent 124.

(2) Until June 1, 2010, any #1D or #2D distillate, or NP diesel fuel that does not show visible evidence of dye solvent red 164 shall be considered to be motor vehicle diesel fuel and subject to all the requirements of this subpart for motor vehicle diesel fuel, except for distillate fuel designated or classified as any of the following:

(i) For use only in the State of Alaska, as provided under 40 CFR 69.51.

(ii) For use under a national security exemption under §80.606 or for use only in a research and development testing program exempted under §80.607.

(iii) For use in the U.S. Territories as provided under §80.608.

(iv) Jet fuel meeting the definition under §80.2.

(v) Kerosene meeting the definition under §80.2.

(vi) Diesel fuel that is produced beginning June 1, 2006, with a sulfur level less than or equal to 500 ppm, and designated as NRLM or LM that has not yet been distributed from a truck loading terminal or bulk terminal to a retail outlet, wholesale purchaser-consumer or ultimate consumer.

(c) Pursuant and subject to the provisions of §§80.530–80.532, 80.552(a), 80.560–80.561, and 80.620, only motor vehicle diesel fuel produced or imported in full compliance with the requirements of those provisions is subject to the following per-gallon standard for sulfur content: 500 ppm maximum.

[66 FR 5136, Jan. 18, 2001, as amended at 69 FR 39171, June 29, 2004; 71 FR 25717, May 1, 2006]

§ 80.521 WHAT ARE THE STANDARDS AND IDENTIFICATION REQUIREMENTS FOR DIESEL FUEL ADDITIVES?

(a) Except as provided in paragraph (b) of this section, any diesel fuel additive that is added to, intended for adding to, used in, or offered for use in any MVNRLM diesel fuel subject to the 15 ppm sulfur content standards of §80.510(b), §80.510(c), or §80.520(a) at any downstream location must—

(1) Have a sulfur content less than or equal to 15 ppm.

(2) Be accompanied by a product transfer document pursuant to §80.591 indicating that the additive complies with the 15 ppm sulfur standard for diesel fuel, except for those diesel fuel additives which are only sold in containers for use by the ultimate consumer of diesel fuel and which are subject to the requirements of §80.591(d).

(b) Any diesel fuel additive that is added to, intended for adding to, used in, or offered for use in diesel fuel subject to the 15 ppm sulfur content standards of §80.510(b) or (c) or §80.520(a) may have a sulfur content exceeding 15 ppm provided that each of the following conditions are met:

(1) The additive is added to or used in the diesel fuel in a quantity less than one percent by volume of the resultant additive/diesel fuel mixture;

(2) The product transfer document complies with the informational requirements of §80.591; and

(3) The additive is not used or intended for use by an ultimate consumer in diesel motor vehicles or nonroad diesel engines.

[69 FR 39171, June 29, 2004]

§ 80.522 MAY USED MOTOR OIL BE DISPENSED INTO DIESEL MOTOR VEHICLES OR NONROAD DIESEL ENGINES?

No person may introduce used motor oil, or used motor oil blended with diesel fuel, into the fuel system of model year 2007 or later diesel motor vehicles or model year 2011 or later nonroad diesel engines (not including locomotive or marine diesel engines), unless both of the following requirements have been met:

(a) The vehicle or engine manufacturer has received a Certificate of Conformity under 40 CFR part 86, 40 CFR part 89, or 40 CFR part 1039 and the certification of the vehicle or engine configuration is explicitly based on emissions data with the addition of motor oil; and

(b) The oil is added in a manner and rate consistent with the conditions of the Certificate of Conformity.

[69 FR 39171, June 29, 2004]

§ 80.523 [RESERVED]

§ 80.524 WHAT SULFUR CONTENT STANDARD APPLIES TO MOTOR VEHICLE DIESEL FUEL DOWNSTREAM OF THE REFINERY OR IMPORTER?

(a) Except as provided in paragraph (b) of this section or otherwise in the provisions of this Subpart I, the 15 ppm sulfur content standard of §80.520(a) shall apply to all motor vehicle diesel fuel at any downstream location.

(b) Prior to the October 1, 2010 and December 1, 2010 dates specified in §80.500(d)(3) and (4), the 500 ppm sulfur content standard of §80.520(c) shall apply to motor vehicle diesel fuel at any downstream location, provided the following conditions are met:

(1) The product transfer documents comply with the requirements of §80.590, including indicating that the fuel complies with the 500 ppm sulfur standard for motor vehicle diesel fuel and is for use only in model year 2006 and older diesel motor vehicles, or the fuel is downgraded pursuant to the provision of §80.527 to motor vehicle diesel fuel subject to the 500 ppm sulfur standard;

(2) The motor vehicle diesel fuel is not represented or intended for sale or use as subject to the 15 ppm sulfur content standard, and is not dispensed, or intended to be dispensed, into model year 2007 and later motor vehicles by a retailer or wholesale purchaser-consumer; and

(3) For retailers or wholesale purchaser-consumers, the pump labeling requirements of §80.570(a) are satisfied.

§ 80.525 WHAT REQUIREMENTS APPLY TO KEROSENE BLENDERS?

(a) For purposes of this subpart, a kerosene blender means any refiner who produces NRLM or motor vehicle diesel fuel by adding kerosene to NRLM or motor vehicle diesel fuel downstream of the refinery that produced that fuel or of the import facility where the fuel was imported, without altering the quality or quantity of the fuel in any other manner.

(b) Kerosene blenders are not subject to the requirements of this subpart applicable to refiners of motor vehicle diesel fuel, but are subject to the requirements and prohibitions applicable to downstream parties.

(c) For purposes of compliance with §§80.524(b)(1) and 80.511(b)(1), the product transfer documents must indicate that the fuel to which kerosene is added complies with the 500 ppm sulfur standard for motor vehicle diesel fuel and is for use only in model year 2006 and older diesel motor vehicles, the fuel is properly downgraded pursuant to the provisions of §80.527 to motor vehicle diesel fuel subject to the 500 ppm sulfur standard, or the applicable NRLM standard.

(d) Kerosene that a kerosene blender adds or intends to add to motor vehicle diesel fuel subject to the 15 ppm sulfur content standard must meet the 15 ppm sulfur content standard, and the following requirements:

(1) The product transfer document received by the kerosene blender indicates that the kerosene is motor vehicle diesel fuel that complies with the 15 ppm sulfur content standard; or

(2) The kerosene blender has test results indicating the kerosene complies with the 15 ppm sulfur standard.

[66 FR 5136, Jan. 18, 2001, as amended at 70 FR 40895, July 15, 2005]

§ 80.526 [RESERVED]

§ 80.527 UNDER WHAT CONDITIONS MAY MOTOR VEHICLE DIESEL FUEL SUBJECT TO THE 15 PPM SULFUR STANDARD BE DOWNGRADED TO MOTOR VEHICLE DIESEL FUEL SUBJECT TO THE 500 PPM SULFUR STANDARD?

(a) *Definitions* . As used in this section, downgrade means changing the designation or classification of motor vehicle diesel fuel subject to the 15 ppm sulfur standard under §80.520(a)(1) to motor vehicle diesel fuel subject to the 500 ppm sulfur standard under §80.520(c). A downgrade occurs when the change in designation or classification takes place. Changing the designation or classification of motor vehicle diesel fuel subject to the 15 ppm sulfur standard under §80.520(a)(1) to any designation or classification that is not a motor vehicle diesel fuel is not a downgrade for purposes of this section.

(b) *Who is subject to the downgrade limitation:* Any distributor, retailer, or wholesale purchaser consumer that takes custody of any diesel fuel designated or classified as #2D 15 ppm sulfur motor vehicle diesel fuel and delivers any diesel fuel designated or classified as #2D 500 ppm motor vehicle diesel fuel.

(c) *Downgrading limitation* . The provisions of this section apply beginning October 15, 2006.

(1) Except as provided in paragraphs (d) and (e) of this section, a person described in paragraph (b) of this section may not downgrade a total of more than 20 percent of the #2D motor vehicle diesel fuel (by volume) that is subject to the 15 ppm sulfur standard of §80.520(a)(1) to #2D motor vehicle diesel fuel subject to the sulfur standard of §80.520(c) while such person has custody of such fuel.

(2) The limitation of paragraph (c)(1) of this section applies separately to each facility as defined under §80.502 where there is custody of the fuel when it is downgraded.

(3) Compliance with the limitation of paragraph (c)(1) of this section applies separately for the compliance periods of October 15, 2006 through May 31, 2007; June 1, 2007 through June 30, 2008; July 1, 2008 through June 30, 2009; July 1, 2009 through May 31, 2010.

(4) Except as provided in paragraph (e) of this section, compliance with the limitation of paragraph (c)(1) of this section shall be as calculated under §80.599(e).

(d) *Diesel fuel in violation of the 15 ppm standard* . Where motor vehicle diesel fuel subject to the 15 ppm sulfur standard of §80.520(a)(1) is found to be in violation of any standard under §80.520(a) and is consequently downgraded to 500 ppm sulfur motor vehicle diesel fuel, the person having custody of the fuel at the time it is found to be in violation must include the volume of such downgraded fuel toward its 20 percent volume limitation under paragraph (c)(1) of this section, unless the person demonstrates that it did not cause the violation.

(e) *Special provisions for retail outlets and wholesale purchaser-consumer facilities.* Notwithstanding the provisions of paragraph (c)(1) of this section, retailers and wholesale purchaser-consumers shall comply with the downgrading limitation as follows:

(1) Retailers and wholesale purchaser-consumers who sell, offer for sale, or dispense motor vehicle diesel fuel that is subject to the 15 ppm sulfur standard under §80.520(a)(1) are exempt from the volume limitations of paragraph (c)(1) of this section.

(2) A retailer or wholesale purchaser-consumer who does not sell, offer for sale, or dispense motor vehicle diesel fuel subject to the 15 ppm sulfur standard under §80.520(a)(1) must comply with the downgrading limitations of paragraph (c) of this section, such that it may not downgrade a volume of motor vehicle diesel fuel, designated as subject to the 15 ppm sulfur standard, for more than 20% of the total volume of motor vehicle diesel fuel that it sells, offers for sale, or dispenses in any compliance period.

(f) *Termination of downgrading limitations.* The provisions of this section shall not apply after May 31, 2010.

[69 FR 39172, June 29, 2004, as amended at 71 FR 25717, May 1, 2006]

§§ 80.528-80.529 [RESERVED]

TEMPORARY COMPLIANCE OPTION

§ 80.530 UNDER WHAT CONDITIONS CAN 500 PPM MOTOR VEHICLE DIESEL FUEL BE PRODUCED OR IMPORTED AFTER MAY 31, 2006?

(a) Beginning June 1, 2006, a refiner or importer may produce or import motor vehicle diesel fuel subject to the 500 ppm sulfur content standard of §80.520(c) if all of the following requirements are met:

(1) Each batch of motor vehicle diesel fuel subject to the 500 ppm sulfur content standard must be designated by the refiner or importer as subject to such standard, pursuant to §80.598(a).

(2) The refiner or importer must meet the requirements for product transfer documents in §80.590 for each batch subject to the 500 ppm sulfur content standard.

(3)(i) The volume of motor vehicle diesel fuel that is produced or imported during a compliance period (V_{500}, as provided in paragraph (a)(5) of this section, may not exceed the following volume limit:

(A) For the compliance periods prior to the period from July 1, 2009 through May 31, 2010, 20 percent of the volume of motor vehicle diesel fuel that is produced or imported during a compliance period (V_t) plus an additional volume of motor vehicle diesel fuel represented by credits properly generated and used pursuant to the requirements of §§80.531 and 80.532.

(B) For the compliance period from July 1, 2009 through May 31, 2010, 20 percent of the volume of motor vehicle diesel fuel that is produced or imported prior to January 1, 2010 during the compliance period (V_t), plus an additional volume of motor vehicle diesel fuel represented by credits properly generated and used pursuant to the requirements of §§80.531 and 80.532. From January 1, 2010 through May 31, 2010, the volume of motor vehicle diesel fuel that is produced or imported shall not exceed the volume represented by credits used pursuant to §80.532.

(ii) The terms $V_{500}$and $V_t$have the meaning specified in §80.531(a)(2).

(4) Compliance with the volume limit in paragraph (a)(3) of this section must be determined separately for each refinery. For an importer, such compliance must be determined separately for each Credit Trading Area (as defined in §80.531) into which motor vehicle diesel fuel is imported. If a party is both a refiner and an importer, such compliance shall be determined separately for the refining and importation activities.

(5) Compliance with the volume limit in paragraph (a)(3) of this section shall be determined on an annual basis, where the annual compliance period is from July 1 through June 30. For the year 2006, compliance shall be determined for the period June 1, 2006 through June 30, 2007. For the year 2010, compliance shall be determined for the period of July 1, 2009 through May 31, 2010.

(6) Any motor vehicle diesel fuel produced or imported above the volume limit in paragraph (a)(3) of this section shall be subject to the 15 ppm sulfur content standard. However, for any compliance period prior to the compliance period July 1, 2009 through May 31, 2010, a refiner or importer may exceed the volume limit in paragraph (a)(3) of this section by no more than 5 percent of the volume of diesel fuel produced or imported during the compliance period (V_t), provided that for the immediately following compliance period:

(i) The refiner or importer complies with the volume limit in paragraph (a)(3) of this section; and

(ii) The refiner or importer produces or imports a volume of motor vehicle diesel fuel subject to the 15 ppm sulfur standard, or obtains credits properly generated and used pursuant to the requirements of §§80.531 and 80.532 that represent a volume of motor vehicle diesel fuel, equal to the volume of the exceedance for the prior compliance period.

(b) After May 31, 2010, no refiner or importer may produce or import motor vehicle diesel fuel subject to the 500 ppm sulfur content standard pursuant to this section.

[69 FR 39172, June 29, 2004]

§ 80.531 HOW ARE MOTOR VEHICLE DIESEL FUEL CREDITS GENERATED?

(a) *Generation of credits from June 1, 2006 through December 31, 2009.* (1) A refiner or importer may generate credits during the period June 1, 2006 through December 31, 2009, for motor vehicle diesel fuel produced or imported that is designated as subject to the 15 ppm sulfur content standard under §80.520(a)(1). Credits may be generated only if the volume of motor vehicle diesel fuel designated under §80.598(a) as subject to the 15 ppm sulfur standard of §80.520(a) exceeds 80 percent of the total volume of motor vehicle diesel fuel produced or imported as described in paragraph (a)(2) of this section.

(2) The number of motor vehicle diesel fuel credits generated shall be calculated for each compliance period (as specified in §80.530(a)(5)) as follows:

$C = V15_{15} - (0.80 \times V_t)$

Where:

C = the positive number of motor vehicle diesel fuel credits generated, in gallons.

V_{15}= the total volume in gallons of diesel fuel produced or imported that is designated under §80.598 as motor vehicle diesel fuel and subject to the standards of §80.520(a) during the compliance period.

$V_t n = V_{15} + V_{500}$

V_{500}= the total volume in gallons of diesel fuel produced or imported that is designated under §80.598(a) as motor vehicle diesel fuel and subject to the 500 ppm sulfur standard under §80.520(c) plus the total volume of any other diesel fuel (not including V_{15}, diesel fuel that is dyed in accordance with §80.520(b) at the refinery or import facility where the diesel fuel is produced or imported, or diesel fuel that is designated as NRLM under §80.598(a)) represented as having a sulfur content less than or equal to 500 ppm.

(3) Credits shall be generated and designated as follows:

(i) Credits shall be generated separately for each refinery of a refiner.

(ii) Credits shall be generated separately for each credit trading area (CTA), as defined in paragraph (a)(5) of this section, into which motor vehicle diesel fuel is imported by an importer.

(iii) Credits shall be designated separately by year of generation and by CTA of generation. In the case of a refiner, credits shall also be designated by refinery, and in the case of an importer, credits shall also be designated by port of import.

(iv) Credits may not be generated by both a foreign refiner and by an importer for the same motor vehicle diesel fuel.

(4) Credits shall be generated by a foreign refiner as provided in §80.620(c) and this section.

(5) For purposes of this subpart, the CTAs are:

(i) PADDs I, II, III and IV, as described in §80.502(f) except as provided in paragraph (a)(5)(iv) of this section. The CTAs shall be designated as CTA 1, 2, 3, and 4, respectively, and correspond to PADDs I, II, III, and IV, respectively;

(ii) CTA 5 shall correspond to PADD V, as described in §80.502(f), except as provided in paragraphs (a)(5)(iii) and (iv) of this section;

(iii) The states of Hawaii and Alaska shall each be treated as a separate CTA and not a part of CTA 5. Alaska shall be CTA 6. Hawaii shall be CTA 7;

(iv) If any state (through a waiver of federal preemption under Section 211(c)(4) of the Clean Air Act, 42 U.S.C. 7545(c)(4)) implements a law or regulation that requires a greater volume of motor vehicle diesel fuel to meet a sulfur standard of less than or equal to 15 ppm than the volume that is required under this subpart, no motor vehicle diesel fuel produced in that state or imported directly into that state may generate credits under this subpart, effective on the implementation date of the sulfur program under the state statute or regulation that implements the more stringent state requirements.

(v) The U.S. territories specified in §80.502(f)(6) shall be included in CTA 1.

(6) No credits may be generated under this paragraph (a) after December 31, 2009.

(7) No refinery may generate credits under both this paragraph (a) and under paragraph (e) of this section.

(b) *Generation of early credits from June 1, 2001 through May 31, 2005.* (1) Beginning June 1, 2001, a refiner or importer may generate one credit for each gallon of motor vehicle diesel fuel meeting the sulfur content standard in §80.520(a)(1) that is used in vehicles with engines that are certified to meet the model year 2007 heavy duty engine PM standard under 40 CFR 86.007–11, or vehicles with retrofit technologies that achieve emission levels equivalent to the 2007 NO_Xor PM emission standard verified as part of a retrofit program administered by EPA or a state. Such refiners and importers must comply with the requirements of paragraphs (b) and (d) of this section.

(2)(i) Any refiner or importer planning to generate credits under this paragraph must provide notice of intent to generate early credits at least 120 calendar days prior to the date it begins generating credits under this paragraph by submitting such notice to Attn: Early Diesel Credits Notice, at the address in §80.595.

(ii) The notice shall include a detailed plan that demonstrates that the motor vehicle diesel fuel meeting the 15 ppm sulfur standard of §80.520(a)(1) for which credits are generated under this paragraph will be used in vehicles with engines that are certified to meet the model year 2007 heavy duty engine PM standard under 40 CFR 86.007–11 or in vehicles with retrofit technologies that achieve emission levels equivalent to the 2007 NO_Xor PM emission standard verified as part of a retrofit program administered by EPA or a state. The notice must include the refiner's or importer's detailed plan for ensuring that all motor vehicle diesel fuel that generates early credits under this paragraph will be segregated from all other motor vehicle diesel fuel not meeting the sulfur

standard under §80.520(a)(1), from the refinery or import facility to its ultimate use in motor vehicles.

(3) No credits may be generated under this paragraph (b) after May 31, 2005.

(4) A refiner or importer may generate credits under this paragraph and also generate credits under paragraph (a) of this section, and a small refiner, as defined under §80.550, may generate credits under this paragraph (b) and paragraph (e) of this section.

(c) *Generation of early credits from June 1, 2005 through May 31, 2006.* (1) Beginning June 1, 2005, a refiner or importer may generate one credit for each gallon of motor vehicle diesel fuel produced or imported that meets the 15 ppm sulfur standard in §80.520(a)(1) that is delivered into the distribution system. Such refiners and importers must comply with the requirements of this paragraph (c) and paragraph (d) of this section.

(2)(i) Any refiner or importer planning to generate credits under this paragraph must provide notice of intent to generate early credits at least 30 calendar days prior to the date it begins generating credits under this paragraph (c).

(ii) [Reserved]

(3) No credits may be generated under this paragraph after May 31, 2006.

(4) A refiner or importer may generate credits under this paragraph (c) and also generate credits under paragraph (a) of this section, and a small refiner, as defined under §80.550, may generate credits under this paragraph (c) and paragraph (e) of this section.

(5) *Credit transfers for early credits.* For early credits generated under §80.531(c), credits may be used in any of the CTAs 1 through 5 that were generated in any of the CTAs 1 through 7 to achieve compliance with the volume limit in §80.503(a)(3);

(d) *Additional requirements for early credits.* Early credits generated under paragraphs (b) and (c) of this section are subject to the following additional requirements:

(1) The designation requirements of §80.598, and all recordkeeping and reporting requirements of §§80.592 (except for paragraph (a)(3)), 80.593, 80.594, 80.600, and 80.601.

(2) Credits generated under paragraphs (b) and (c) of this section shall be generated separately by CTA as defined in paragraph (a)(5) of this section and must be designated by CTA of generation, and by the refiner and refinery, or by importer and port of import, as applicable, except as provided under paragraph (c)(5) of this section.

(3) Credits may not be generated for the same fuel by both a foreign refiner and an importer.

(4) [Reserved]

(5) In addition to the reporting requirements under paragraph (d)(1) of this section, the refiner or importer must submit a report to the Administrator no later than August 31, 2005 for the period from June 1, 2004 through May 31, 2005, or August 31, 2006 for the period from June 1, 2005 through May 31, 2006, demonstrating that all the motor vehicle diesel fuel produced or imported for which credits were generated met the applicable requirements of paragraph (b), (c), or (d)(4) of this section. If the Administrator finds that such credits did not in fact meet the requirements of paragraphs (b)(1) and (c)(1) of this section, as applicable, or if the Administrator determines that there is insufficient information to determine the validity of such credits, the Administrator may deny the credits submitted in whole or in part.

(e) *Credits generated by small refiners.* (1) Notwithstanding the provisions of paragraph (a) of this section, a small refiner that is approved by the EPA as a small refiner under §80.551(g) may generate credits under §80.552(b). Such a small refiner may generate one credit for each gallon of motor vehicle diesel fuel produced that is designated under §80.598 as motor vehicle diesel fuel subject to the 15 ppm sulfur standard under §80.520(a)(1).

(2)(i) Credits may be generated under this paragraph (e) and §80.552(b) only during the compliance periods beginning June 1, 2006 and ending on May 31, 2010, however diesel fuel produced after December 31, 2009 shall not generate credits. Credits shall be designated separately by refinery, separately by CTA of generation, and separately by annual compliance period. The annual compliance period for 2006 shall be June 1, 2006 through June 30, 2007. The annual compliance period for 2010 shall be July 1, 2009 through May 31, 2010.

(ii) The small refiner must meet the requirements of paragraphs (d)(1), (d)(2) and (d)(3) of this section, and the recordkeeping and reporting requirements of §§80.592, 80.593 and 80.594.

(iii) In addition, a foreign refiner that is approved by the Administrator to generate credits under §80.552(b) shall comply with the requirements of §80.620.

[66 FR 5136, Jan. 18, 2001, as amended at 69 FR 39173, June 29, 2004; 70 FR 40895, July 15, 2005; 70 FR 70510, Nov. 22, 2005; 71 FR 25717, May 1, 2006]

§ 80.532 HOW ARE MOTOR VEHICLE DIESEL FUEL CREDITS USED AND TRANSFERRED?

(a) *Credit use stipulations.* Motor vehicle diesel fuel credits generated under §80.531 may be used to meet the volume limit of §80.530(a)(3) provided that:

(1) The motor vehicle diesel fuel credits were generated and reported according to the requirements of this subpart; and

(2) The conditions of this section are met.

(b) *Use of credits generated under §80.531.* Motor vehicle diesel fuel credits generated under §80.531 may be used by a refiner or by an importer to comply with §80.530 by applying one credit for every gallon of motor vehicle diesel fuel needed to meet compliance with the volume limit of §80.530(a)(3).

(c) *Credit banking.* Motor vehicle diesel fuel credits generated may be banked for use or transfer in a later compliance period or may be transferred to another refiner or importer for use as provided in paragraph (d) of this section.

(d) *Credit transfers.* (1) Motor vehicle diesel fuel credits obtained from another refiner or from another importer, including early motor vehicle diesel fuel credits and small refiner motor vehicle diesel fuel credits as described in §80.531(b) through (e), may be used to satisfy the volume limit of §80.530(a)(3) if all the following conditions are met:

(i) The motor vehicle diesel fuel credits were generated in the same CTA as the CTA in which motor vehicle diesel fuel credits are used to achieve compliance, except as provided in §80.531(c)(5);

(ii) The motor vehicle diesel fuel credits are used in compliance with the time period limitations for credit use in this subpart;

(iii) Any credit transfer takes place no later than the August 31 following the compliance period when the motor vehicle diesel fuel credits are used;

(iv) No credit may be transferred more than twice, as follows: The first transfer by the refiner or importer who generated the credit may only be made to a refiner or importer who intends to use the credit; if the transferee cannot use the credit, it may make a second and final transfer only to a refiner or importer who intends to use the credit. In no case may a credit be transferred more than twice before being used or terminated;

(v) The credit transferor must apply any motor vehicle diesel fuel credits necessary to meet the transferor's annual compliance requirements before transferring motor vehicle diesel fuel credits to any other refinery or importer;

(vi) No motor vehicle diesel fuel credits may be transferred that would result in the transferor having a negative credit balance; and

(vii) Each transferor must supply to the transferee records indicating the year the motor vehicle diesel fuel credits were generated, the identity of the refiner (and refinery) or importer who generated the motor vehicle diesel fuel credits, the CTA of credit generation, and the identity of the transferring entity, if it is not the same entity who generated the motor vehicle diesel fuel credits.

(2) In the case of motor vehicle diesel fuel credits that have been calculated or created improperly, or are otherwise determined to be invalid, the following provisions apply:

(i) Invalid motor vehicle diesel fuel credits cannot be used to achieve compliance with the transferee's volume requirements regardless of the transferee's good faith belief that the motor vehicle diesel fuel credits were valid.

(ii) The refiner or importer who used the motor vehicle diesel fuel credits, and any transferor of the motor vehicle diesel fuel credits, must adjust their credit records, reports and compliance calculations as necessary to reflect the proper motor vehicle diesel fuel credits.

(iii) Any properly created motor vehicle diesel fuel credits existing in the transferor's credit balance after correcting the credit balance, and after the transferor applies motor vehicle diesel fuel credits as needed to meet the compliance requirements at the end of the compliance period, must first be applied to correct the invalid transfers before the transferor trades or banks the motor vehicle diesel fuel credits.

(e) *Limitations on credit use.* (1) Motor vehicle diesel fuel credits may not be used to achieve compliance with any requirements of this subpart other than the volume limit of §80.530(a)(3), unless specifically approved by the Administrator pursuant to a hardship relief petition under §80.560 or 80.561.

(2) A refiner or importer possessing motor vehicle diesel fuel credits must use all motor vehicle diesel fuel credits in its possession prior to applying the credit deficit provisions of §80.530(a)(6).

(3) No motor vehicle diesel fuel credits may be used to meet compliance with this subpart subsequent to the compliance period ending May 31, 2010.

[69 FR 39173, June 29, 2004, as amended at 71 FR 25717, May 1, 2006]

§ 80.533 HOW DOES A REFINER OR IMPORTER APPLY FOR A MOTOR VEHICLE OR NON-HIGHWAY BASELINE FOR THE GENERATION OF NRLM CREDITS OR THE USE OF THE NRLM SMALL REFINER COMPLIANCE OPTIONS?

(a) A refiner or importer wishing to generate credits under §80.535 or use the small refiner provisions under §80.554 must submit an application to EPA that includes the information required under paragraph (c) of this section by the dates specified in paragraph (f) of this section. A refiner must apply for a motor vehicle baseline for each refinery in order to generate credits under §80.535 and apply for a non-highway baseline for each refinery to use the provisions of §80.554 (a), (b), or (d).

(b) The baseline must be sent to the following address: U.S. EPA—Attn: Nonroad Rule Diesel Fuel Baseline, Transportation and Regional Programs Division (6406J), 1200 Pennsylvania Avenue, NW., Washington, DC 20460 (regular mail) or U.S. EPA, Attn: Nonroad Rule Diesel Fuel Baseline, Transportation and Regional Programs Division (6406J), 1310 L Street, NW., 6th floor, Washington, DC 20005 (express mail).

(c) A baseline application must be submitted for each refinery or import facility and include the following information:

(1) A listing of the names and addresses of all refineries or import facilities owned by the company for which the refiner or importer is applying for a motor vehicle or non-highway baseline.

(2)(i) For purposes of a motor vehicle baseline volume for use in determining early credits per §80.535(a) and (b) and for purposes of a non-highway baseline volume used in determining compliance with the provisions of §80.554(a) or (d), the baseline volume produced during the three calendar years beginning January 1, 2003, 2004, and 2005, as calculated under paragraph (e)(1) of this section.

(ii) For purposes of a motor vehicle baseline volume for use in determining early credits per §80.535(c) and for purposes of a non-highway baseline volume used in determining compliance with the provisions of §80.554(b), the baseline volumes produced during the three calendar years beginning January 1, 2006, 2007, and 2008, as calculated under paragraph (e)(2) of this section.

(iii) For purposes of a total diesel baseline volume for use in determining compliance with the provisions of §80.554(d), the baseline volumes of motor vehicle diesel fuel produced during the calendar years beginning January 1, 1998 and 1999 (per §§80.595(a) and 80.596(a)); and the baseline volumes of non-highway diesel fuel produced during the three calendar years beginning January 1, 2003, 2004, and 2005. This shall be calculated as stated under paragraph (f) of this section.

(3) A letter signed by the president, chief operating officer of the company, or his/her delegate, stating that the information contained in the motor vehicle or non-highway baseline application is true to the best of his/her knowledge.

(4) Name, address, phone number, facsimile number and e-mail address of a corporate contact person.

(5) For each batch of diesel fuel produced or imported during each calendar year:

(i) The date that production was completed or importation occurred for the batch and the batch designation or classification.

(ii) The batch volume.

(6) Other appropriate information as requested by EPA.

(d) *Calculation of the Motor vehicle Baseline,* B_{MV}. (1) Under paragraph (c)(2)(i) of this section, B_{MV}equals the average annual volume of motor vehicle diesel fuel produced or imported from January 1, 2003 through December 31, 2005.

(2) Under paragraph (c)(2)(ii) of this section, B_{MV}equals the average annual volume of motor vehicle diesel fuel produced or imported during the period from January 1, 2006 through December 31, 2008.

(3) For purposes of this paragraph, fuel produced for export, jet fuel (kerosene), and fuel specifically produced to meet military specifications (such as JP–4, JP–8, and F–76), shall not be included in baseline calculations.

(e) *Calculation of the Non-highway Baseline,* B_{NRLM}. For purposes of this paragraph (e), B_{MV}shall only include the average annual volume of #2D distillate fuel.

(1) Under paragraphs (c)(2)(i) and (c)(2)(iii) of this section, B_{NRLM}equals the average annual volume of all #2D distillate produced or imported from January 1, 2003 through December 31, 2005, less B_{MV}as determined in paragraph (d)(1) of this section.

(2) Under paragraph (c)(2)(ii) of this section, B_{NRLM}equals the average annual volume of MVNRLM produced or imported from January 1, 2006 through December 31, 2008, less B_{MV}as determined in paragraph (d)(2) of this section.

(3) For purposes of this paragraph (e), fuel produced for export, jet fuel, kerosene, and fuel specifically produced to meet military specification (such as JP–4, JP–8, and F–76), shall not be included in baseline calculations.

(f) *Calculation of the Total Diesel Baseline* , *B* MVNRLM. B_{MVNRLM}equals the sum of B_{MV}(as calculated under §80.596) plus B_{NRLM}(as calculated under paragraph (e)(1) of this section).

(g)(1) Applications submitted under paragraphs (c)(2)(i) and (c)(2)(iii) of this section must be postmarked by February 28, 2006.

(2) Applications submitted under paragraph (c)(2)(ii) of this section must be postmarked by February 28, 2009.

(h)(1) For applications submitted under paragraphs (c)(2)(i) and (c)(2)(iii) of this section, EPA will notify refiners or importers by June 1, 2006 of approval of the baselines for each of the refiner's refineries or importer's import facilities or of any deficiencies in the refiner's or importer's application.

(2) For applications submitted under paragraph (c)(2)(ii) of this section, EPA will notify refiners or importers by June 1, 2009 regarding approval of the baselines for each of the refiner's refineries or importer's import facilities of any deficiencies in the refiner's or importer's application.

(i) If at any time the motor vehicle baseline or non-highway baseline submitted in accordance with the requirements of this section is determined to be incorrect, EPA will notify the refiner or importer of the corrected baseline and any compliance calculations made on the basis of that baseline will have to be

adjusted retroactively.

[69 FR 39174, June 29, 2004, as amended at 70 FR 70510, Nov. 22, 2005; 71 FR 25717, May 1, 2006]

§ 80.534 [RESERVED]

§ 80.535 HOW ARE NRLM DIESEL FUEL CREDITS GENERATED?

(a) *Generation of high sulfur NRLM credits from June 1, 2006 through May 31, 2007.* (1) During the period June 1, 2006 through May 31, 2007, a refiner or importer may generate credits pursuant to the provisions of this section if all of the following conditions are met:

(i) The refiner or importer notifies EPA of its intention to generate credits and the period during which it will generate credits. This notification must be received by EPA at least 30 calendar days prior to the date it begins generating credits under this section.

(ii) Each batch or partial batch of NRLM diesel fuel for which credits are claimed shall be subject to all of the provisions of this subpart for NRLM diesel fuel as if it had been produced after June 1, 2007 and before June 1, 2010.

(iii) The number of high-sulfur NRLM credits (HSC) that are generated shall be a positive number.

(2) The refiner or importer shall choose one of the following methods for calculating credits for each calculation period.

(i) For fuel that is dyed under the provisions of §80.520, HSC equals the volume of fuel in gallons produced or imported during the period identified in paragraph (a)(1) of this section that is designated as NRLM diesel fuel and that is subject to and complies with the provisions of §80.510(a); or

(ii) For dyed or undyed fuel that complies with the provisions of §80.598 for a calculation period of June 1, 2006 through May 31, 2007, determine HSC as follows:

$HSC = V_{510} + V_{520} - B_{MV}$

Where:

V_{510}= The total volume of NRLM diesel fuel produced or imported during the annual calculation period that complies with the standards of §80.510(a) or (b).

V_{520}= The total volume of motor vehicle diesel fuel produced or imported during the annual calculation period that complies with the standards of §80.520(a) or (c).

B_{MV}= As calculated in §80.533(d)(1).

(3) High-sulfur NRLM credits shall be generated and designated as follows:

(i) Credits shall be generated separately for each refiner or importer.

(ii) Credits may not be generated by both a foreign refiner and by an importer for the same motor vehicle diesel fuel.

(iii) Credits shall not be generated under both §80.531 and this section for the same diesel fuel.

(iv) Any credits generated by a foreign refiner shall be generated as provided in §80.620(c) and this section.

(4) No credits may be generated under this paragraph (a) after May 31, 2007.

(5) Any fuel for which a refiner or importer wishes to generate credits must be designated as 500 ppm sulfur NRLM diesel fuel when delivered to the next entity. The refiner may not designate the fuel as 500 ppm sulfur with the intent that it be mixed by the next entity with a batch of distillate with a higher sulfur level to create a fuel with a classification other than 500 ppm sulfur or the classification of the fuel it is mixed with (*e.g.* , it cannot mix fuel designated as 500 ppm sulfur with fuel classified as high sulfur to produce a fuel classified as 2000 ppm sulfur to meet state or local sulfur limits).

(6) The refiner or importer must submit a report to the Administrator no later than July 31, 2007. The report must demonstrate that all the NRLM diesel fuel produced or imported which generated credits met the applicable requirements of paragraphs (a)(1) through (a)(5) of this section. If the Administrator finds that such credits did not in fact meet the requirements of paragraphs (a)(1) through (a)(5) of this section, as applicable, or if the Administrator determines that there is insufficient information to determine the validity of such credits, the Administrator may deny the credits submitted in whole or in part.

(b) *Generation of high-sulfur NRLM credits by small refiners from June 1, 2006 through May 31, 2010.* (1) Notwithstanding the dates specified in paragraph (a) of this section, during the period from June 1, 2006 through May 31, 2010, a refiner that is approved by the EPA as a small refiner under §80.551 may generate credits under paragraph (a) of this section during any compliance period as specified under §80.599(a)(2) for diesel fuel produced or imported that is designated as NRLM diesel fuel and complies with the provisions of §80.510(a).

(2) The small refiner must submit a report to the Administrator no later than August 31 after the end of each calculation period during which credits were

generated. The report must demonstrate that all the NRLM diesel fuel produced or imported which generated credits met the applicable requirements of paragraphs (a)(1) through (a)(5) of this section. If the Administrator finds that such credits did not in fact meet the requirements of paragraphs (a)(1) through (a)(5) of this section, as applicable, or if the Administrator determines that there is insufficient information to determine the validity of such credits, the Administrator may deny the credits submitted in whole or in part.

(3) In addition, a foreign refiner that is approved by the Administrator to generate credits under §80.554 shall comply with the requirements of §80.620.

(c) *Generation of 500 ppm sulfur NRLM credits from June 1, 2009 through May 31, 2010.* (1) During the period of June 1, 2009 through May 31, 2010, a refiner or importer may generate credits pursuant to the provisions of this section if all of the following conditions are met:

(i) The refiner or importer notifies EPA of its intention to generate credits and the period during which it will generate credits. This notification must be received by EPA at least 30 calendar days prior to the date it begins generating credits under this section.

(ii) Each batch or partial batch of NRLM diesel fuel for which credits are claimed shall be subject to all of the provisions of this subpart for NRLM diesel fuel as if it had been produced after June 1, 2010.

(iii) The number of 500 ppm sulfur NRLM credits in gallons that are generated, C_{500}, shall be a positive number calculated as follows:

$C500 = V_{15} - B_{MV}$

Where:

V_{15}= The total volume in gallons of 15 ppm diesel fuel produced or imported during the period stated under paragraph (c)(1)(i) of this section that is designated as either motor vehicle diesel fuel or NRLM diesel fuel.

B_{MV}= As determined in §80.533(d)(2).

(2) 500 ppm sulfur NRLM credits shall be generated and designated as follows:

(i) Credits shall be generated separately for each refiner or importer.

(ii) Credits may not be generated by both a foreign refiner and by an importer for the same diesel fuel.

(iii) Credits shall not be generated under both §80.531 and this section for the same diesel fuel.

(iv) Any credits generated by a foreign refiner shall be generated as provided in §80.620(c) and this section.

(3) No credits may be generated under this paragraph (c) after May 31, 2010.

(4) The refiner or importer must submit a report to the Administrator no later than August 31, 2010. The report must demonstrate that all the 15 ppm sulfur NRLM diesel fuel produced or imported which generated credits met the applicable requirements of paragraphs (c)(1) through (c)(3) of this section. If the Administrator finds that such credits did not in fact meet the requirements of paragraphs (c)(1) through (c)(3) of this section, as applicable, or if the Administrator determines that there is insufficient information to determine the validity of such credits, the Administrator may deny the credits submitted in whole or in part.

(d) *Generation of 500 ppm sulfur NRLM credits by small refiners from June 1, 2009 through December 31, 2013.* (1) Notwithstanding the dates specified in paragraph (c) of this section, during the period from June 1, 2009 through December 31, 2013, a refiner that is approved by the EPA as a small refiner under §80.551 may generate credits under paragraph (c) of this section during any compliance period as specified under §80.599(a)(2) for diesel fuel produced or imported that is designated as NR or NRLM diesel fuel and complies with the provisions of §80.510(b) or (c).

(2) The small refiner must submit a report to the Administrator no later than August 31 after the end of each calculation period during which credits were generated. The report must demonstrate that all the 15 ppm sulfur NR or NRLM diesel fuel produced or imported for which credits were generated met the applicable requirements of paragraphs (c)(1) through (c)(3) of this section. If the Administrator finds that such credits did not in fact meet the requirements of paragraphs (c)(1) through (c)(3) of this section, as applicable, or if the Administrator determines that there is insufficient information to determine the validity of such credits, the Administrator may deny the credits submitted in whole or in part.

(3) In addition, a foreign refiner that is approved by the Administrator to generate credits under §80.554 shall comply with the requirements of §80.620.

[69 FR 39175, June 29, 2004, as amended at 71 FR 25718, May 1, 2006]

§ 80.536 HOW ARE NRLM DIESEL FUEL CREDITS USED AND TRANSFERRED?

(a) *Credit use stipulations.* Credits generated under §80.535(a) and (b) may be used to meet the NRLM diesel fuel sulfur standard of §80.510(a), and credits generated under 80.535(c) and (d) may be used to meet the NR and NRLM diesel fuel sulfur standard of 80.510(b) and (c), respectively, provided that:

(1) The credits were generated and reported according to the requirements of this subpart; and

(2) The conditions of this section are met.

(b) *Using credits generated under §80.535.* Credits generated under §80.535 may be used by a refiner or an importer to comply with the diesel fuel standards of §80.510 (a), (b), and (c) by applying one credit for every gallon of diesel fuel that does not comply with the applicable standard.

(c) *Credit banking.* Credits generated may be banked for use at a later time or may be transferred to any other refiner or importer nationwide for use as provided in paragraph (d) of this section.

(d) *Credit transfers.* (1) Credits generated under §80.535 that are obtained from another refiner or importer may be used to comply with the diesel fuel sulfur standards of §80.510(a), (b), and (c) if all the following conditions are met:

(i) The credits are used in compliance with the time period limitations for credit use in this subpart;

(ii) Any credit transfer is completed no later than August 31 following the compliance period when the credits are used to comply with a standard under paragraph (a) of this section;

(iii) No credit is transferred more than twice, as follows:

(A) The first transfer by the refiner or importer who generated the credit may only be made to a refiner or importer that intends to use the credit; if the transferee cannot use the credit, it may make a second and final transfer only to a refiner or importer who intends to use the credit; and

(B) In no case may a credit be transferred more than twice before it is used or it expires;

(iv) The credit transferor applies any credits necessary to meet the transferor's annual compliance requirements before transferring credits to any other refinery or importer;

(v) No credits are transferred that would result in the transferor having a negative credit balance; and

(vi) Each transferor supplies to the transferee records indicating the year the credits were generated, the identity of the refiner (and refinery) or importer that generated the credits, and the identity of the transferor, if it is not the same party that generated the credits.

(2) In the case of credits that have been calculated or created improperly, or are otherwise determined to be invalid, the following provisions apply:

(i) Invalid credits cannot be used to achieve compliance with the transferee's volume requirements regardless of the transferee's good faith belief that the credits were valid.

(ii) The refiner or importer that used the credits, and any transferor of the credits, must adjust its credit records, reports and compliance calculations as necessary to reflect the proper credits.

(iii) Any properly created credits existing in the transferor's credit balance after correcting the credit balance, and after the transferor applies credits as needed to meet the compliance requirements at the end of the calendar year, must first be applied to correct the invalid transfers before the transferor trades or banks the credits.

(e) *General limitation on credit use.* Credits may not be used to achieve compliance with any requirements of this subpart other than the standards of §80.510(a), (b), and (c), unless specifically approved by the Administrator pursuant to a hardship relief petition under §80.560 or §80.561.

(f) *Use of high sulfur NRLM credits.* (1) High sulfur NRLM credits generated under §80.535(a) or (b) may be used on a one-for-one basis to meet the NRLM diesel fuel sulfur standard of §80.510(a) from June 1, 2007 through May 31, 2010. For example, one credit generated by the production or importation of one gallon of NRLM diesel fuel subject to the NRLM diesel fuel sulfur standard of §80.510 (a) may be used to produce or import one gallon of NRLM diesel fuel that is exempt from the sulfur standard of §80.510(a) during the period from June 1, 2007 through May 31, 2010.

(2) Any high sulfur NRLM diesel fuel produced after June 1, 2007 through the use of credits must—

(i) Be dyed red under the provisions of §80.520 at the point of production or importation;

(ii) Be associated with a product transfer document that bears a unique product code as specified in §80.590; and

(iii) Not be used to sell or deliver diesel fuel into areas specified in §80.510(g)(1) or (g)(2).

(3) No high sulfur NRLM credits may be used subsequent to the compliance period ending May 31, 2010.

(4) Any high sulfur NRLM credits not used under the provisions of paragraph (f)(1) of this section may be converted into 500 ppm sulfur NRLM credits on a one-for-one basis for use under paragraph (g) of this section.

(g) *Use of 500 ppm sulfur NRLM credits.* (1) 500 ppm sulfur NRLM credits generated under §80.535(c) or (d) or converted from high sulfur NRLM credits under paragraph (f)(3) of this section may be used on a one-for-one basis to meet the NR or NRLM diesel fuel sulfur standards of §80.510(b) or (c) from June 1, 2010 through May 31, 2014. For example, one credit generated by the production or importation of one gallon of NRLM diesel fuel subject to the

NRLM diesel fuel sulfur standard of §80.510 (c) may be used to produce or import one gallon of NR diesel fuel that is subject to the sulfur standard of §80.510(a) during the period from June 1, 2010 through May 31, 2014.

(2) Any 500 ppm sulfur NR or NRLM diesel fuel produced or imported after June 1, 2010 through the use of these credits must—

(i) Bear a unique product code as specified in §80.590; and

(ii) Not be used to sell or deliver diesel fuel into areas specified in §80.510(g)(1) or (g)(2).

(3) No 500 ppm sulfur NRLM credits may be used after May 31, 2014.

[69 FR 39176, June 29, 2004]

§§ 80.537-80.539 [RESERVED]
GEOGRAPHIC PHASE-IN PROVISIONS
§ 80.540 HOW MAY A REFINER BE APPROVED TO PRODUCE GASOLINE UNDER THE GPA GASOLINE SULFUR STANDARDS IN 2007 AND 2008?

(a) A refiner that has been approved by EPA under §80.217 for the geographic phase-in area (GPA) gasoline sulfur content standards under §80.216 may apply to EPA for approval to produce gasoline subject to the GPA standards in 2007 and 2008. Such application shall be submitted to EPA, at the address provided in §80.595(b), by December 31, 2001. A foreign refiner must apply under the provisions of paragraph (n) of this section.

(b) The refiner must submit an application in accordance with the provisions of §§80.595 and 80.596. The application must also include information, as provided in §80.594(c), demonstrating that starting no later than June 1, 2006, 95 percent of the motor vehicle diesel fuel produced by the refinery for United States use will comply with the 15 ppm sulfur standard under §80.520(a)(1), and that the volume of motor vehicle diesel fuel produced will comply with the volume requirements of paragraph (e) of this section.

(c) The Administrator may approve a refiner's application to produce gasoline subject to the GPA gasoline sulfur content standards in 2007 and 2008 if the provisions of paragraph (b) of this section are satisfied. In approving an application, the Administrator shall establish a motor vehicle diesel fuel volume baseline under §§80.595 and 80.596.

(d) From June 1, 2006 through December 31, 2008, 95 percent of the motor vehicle diesel fuel produced by a refiner that has been approved under paragraph (c) of this section to produce gasoline subject to the GPA gasoline sulfur standards in 2007 and 2008, must be accurately designated under §80.598 as meeting the 15 ppm sulfur standard of §80.520(a)(1).

(e) The total volume of motor vehicle diesel fuel produced for use in the United States and designated as meeting the 15 ppm sulfur standard under paragraph (d) of this section must meet or exceed 85 percent of the baseline volume established under paragraph (c) of this section, except that for the first compliance period from June 1, 2006 through June 30, 2007, the total volume must meet or exceed 92 percent of the baseline volume.

(f) Compliance with the volume requirements in paragraph (e) of this section shall be determined each compliance period. Annual compliance periods shall be from July 1 through June 30. For the year 2006, the compliance period shall be from June 1, 2006 through June 30, 2007.

(g) If a refiner fails to comply with the requirements of paragraph (d) of this section, or if the approval of the application, including the baseline, was based on false or inaccurate information, the approval to produce gasoline subject to the GPA gasoline sulfur content standards under this section during the years 2007 and 2008 shall be void ab initio, and gasoline produced for use in the GPA must meet the gasoline sulfur content standards of subpart H of this Part as if there had been no approval to produce gasoline subject to the GPA gasoline sulfur content standards in 2007 and 2008.

(h) If for any compliance period a refiner fails to meet the volume requirements in paragraph (e) of this section, the approval to produce gasoline subject to the GPA gasoline sulfur content standards shall be void for that compliance period and for all succeeding compliance periods, and gasoline produced for use in the GPA must meet the gasoline sulfur standards under subpart H of this subpart as if there had been no approval to produce gasoline subject to the GPA gasoline sulfur content standards under this section in 2007 and 2008.

(i) A refiner that is approved for production of gasoline subject to the GPA gasoline sulfur standards under this section in 2007 and 2008 must meet all applicable recordkeeping and reporting requirements of §§80.592, 80.593, and 80.594, and shall meet all the recordkeeping and reporting requirements under §§80.219, 80.365 and 80.370.

(j) A refiner approved to produce gasoline subject to the GPA gasoline sulfur standards under this section in 2007 and 2008 may not generate or use credits under §80.531(a) or (e), or §80.532 unless the approval is vacated as provided in paragraph (k) of this section.

(k) A refiner may petition the Administrator to vacate approval to produce gasoline subject to the GPA gasoline sulfur content standards in 2007 and 2008. EPA may grant such a petition, effective January 1 of the compliance period following EPA's receipt of such petition (or effective June 1, in 2006, if applicable). Upon such effective date and thereafter, gasoline produced for use in the GPA must meet the gasoline sulfur content standards under subpart H of this Part as if there had been no approval to produce gasoline subject to the GPA gasoline sulfur content standards under this section in 2007 and 2008. Upon such effective date, the refiner shall not be subject to the requirements of this section.

(l) The provisions of this section shall apply separately for each refinery of a refiner.

(m) If any refinery is approved for production of gasoline subject to GPA gasoline sulfur content standards under this section in 2007 and 2008, the GPA

downstream gasoline sulfur standard under §80.220(a)(2) shall apply as follows:

(1) During the period of February 1, 2005 through January 31, 2009, the sulfur content of GPA gasoline at any downstream location other than at a retail outlet or wholesale purchaser-consumer facility shall not exceed 326 ppm.

(2) During the period of March 1, 2005 through February 28, 2009, the sulfur content of GPA gasoline at any downstream location shall not exceed 326 ppm.

(n) A foreign refiner may apply to the Administrator to produce gasoline that is subject to the gasoline sulfur standards for GPA gasoline under §80.216 for the compliance years 2007 and 2008. Such application must be submitted to the EPA, at the address in §80.595(b), by December 31, 2001.

(1) The Administrator may approve such interim GPA gasoline sulfur standards for the foreign refiner provided that the foreign refiner applies for a gasoline sulfur baseline under paragraph (n)(2) of this section and complies with:

(i) The requirements of paragraphs (b) through (l) of this section;

(ii) The requirements for the import of motor vehicle diesel fuel under §80.620; and

(iii) All applicable gasoline requirements for refiners under subpart H of this Part, including the foreign refiner requirements under §80.410, the attest requirements of §80.415, the recordkeeping and reporting requirements of §§80.365 and 80.370, the designation and product transfer document requirements of §80.219, the sampling and testing requirements of §80.330, and the sample retention requirements of §80.335.

(2) The refiner must submit an application for a gasoline sulfur baseline under the provisions of §§80.216(a), 80.295, and 80.410(b).

(3) After review of the foreign refiner's individual refinery gasoline sulfur baseline, its individual refinery motor vehicle diesel fuel baseline, and other information submitted with the application, the Administrator may approve such baselines and the application for GPA gasoline sulfur standards for 2007 and 2008.

(o) An importer is not eligible for approval to import gasoline subject to the GPA standards in 2007 or 2008 under this section.

[66 FR 5136, Jan. 18, 2001, as amended at 69 FR 39177, June 29, 2004]

§§ 80.541-80.549 [RESERVED]

SMALL REFINER HARDSHIP PROVISIONS

§ 80.550 WHAT IS THE DEFINITION OF A MOTOR VEHICLE DIESEL FUEL SMALL REFINER OR A NRLM DIESEL FUEL SMALL REFINER UNDER THIS SUBPART?

(a) A motor vehicle diesel fuel small refiner is defined as any person, as defined by 42 U.S.C. 7602(e), who—

(1) Produces diesel fuel at a refinery by processing crude oil through refinery processing units; and

(2) Employed an average of no more than 1,500 people, based on the average number of employees for all pay periods from January 1, 1999, to January 1, 2000; and

(3) Had an average crude oil capacity less than or equal to 155,000 barrels per calendar day (bpcd) for 1999; or

(4) Has been approved by EPA as a small refiner under §80.235 and continues to meet the criteria of a small refiner under §80.225.

(b) A NRLM diesel fuel small refiner is defined as any person, as defined by 42 U.S.C. 7602(e), who—

(1) Produces diesel fuel at a refinery by processing crude oil through refinery processing units;

(2) Employed an average of no more than 1,500 people, based on the average number of employees for all pay periods from January 1, 2002, to January 1, 2003; and

(3) Had an average crude oil capacity less than or equal to 155,000 barrels per calendar day (bpcd) for 2002.

(c) Determine the number of employees and crude oil capacity under paragraphs (a) or (b) of this section, as follows:

(1) The refiner shall include the employees and crude oil capacity of any subsidiary companies, any parent company and subsidiaries of the parent company in which the parent has 50 percent or greater ownership, and any joint venture partners.

(2) For any refiner owned by a governmental entity, the number of employees and total crude oil capacity as specified in paragraph (a) of this section shall include all employees and crude oil production of the government to which the governmental entity is a part.

(3) Any refiner owned and controlled by an Alaska Regional or Village Corporation organized pursuant to the Alaska Native Claims Settlement Act (43 U.S.C. 1601) is not considered an affiliate of such entity, or with other concerns owned by such entity solely because of their common ownership.

(d)(1) Notwithstanding the provisions of paragraph (a) of this section, a refiner that acquires or reactivates a refinery that was shut down or non-operational between January 1, 1999, and January 1, 2000, may apply for motor vehicle diesel fuel small refiner status in accordance with the provisions of §80.551(c)(1)(ii).

(2) Notwithstanding the provisions of paragraph (b) of this section, a refiner that acquires or reactivates a refinery that was shutdown or non-operational between January 1, 2002, and January 1, 2003, may apply for NRLM diesel fuel small refiner status in accordance with the provisions of §80.551(c)(2)(ii).

(e) The following are ineligible for the small refiner provisions:

(1)(i) For motor vehicle diesel fuel, refiners with refineries built or started up after January 1, 2000.

(ii) For NRLM diesel fuel, refiners with refineries built or started up after January 1, 2003.

(2)(i) For motor vehicle diesel fuel, persons who exceed the employee or crude oil capacity criteria under this section on January 1, 2000, but who meet these criteria after that date, regardless of whether the reduction in employees or crude oil capacity is due to operational changes at the refinery or a company sale or reorganization.

(ii) For NRLM diesel fuel, persons who exceed the employee or crude oil capacity criteria under this section on January 1, 2003, but who meet these criteria after that date, regardless of whether the reduction in employees or crude oil capacity is due to operational changes at the refinery or a company sale or reorganization.

(3) Importers.

(4) Refiners who produce motor vehicle diesel fuel or NRLM diesel fuel other than by processing crude oil through refinery processing units.

(f)(1)(i) Refiners who qualify as motor vehicle diesel fuel small refiners under this section and subsequently cease production of diesel fuel from processing crude oil through refinery processing units, or employ more than 1,500 people or exceed the 155,000 bpcd crude oil capacity limit after January 1, 2004 as a result of merger with or acquisition of or by another entity, are disqualified as small refiners, except as provided for under paragraph (f)(4) of this section. If disqualification occurs, the refiner shall notify EPA in writing no later than 20 days following this disqualifying event.

(ii) Except as provided under paragraph (f)(3) of this section, any refiner whose status changes under this paragraph shall meet the applicable standards of §80.520 within a period of up to 30 months from the disqualifying event for any of its refineries that were previously subject to the small refiner standards of §80.552, but no later than the May 31, 2010.

(2)(i) Refiners who qualify as NRLM diesel fuel small refiners under this section and subsequently cease production of diesel fuel from crude oil, or employ more than 1,500 people or exceed the 155,000 bpcd crude oil capacity limit after January 1, 2004 as a result of merger with or acquisition of or by another entity, are disqualified as small refiners, except as provided for under paragraph (f)(4) of this section. If disqualification occurs, the refiner shall notify EPA in writing no later than 20 days following this disqualifying event.

(ii) Except as provided under paragraph (f)(3) of this section, any refiner whose status changes under this paragraph shall meet the applicable standards of §80.510 within a period of up to 30 months of the disqualifying event for any of its refineries that were previously subject to the small refiner standards of §80.552, but no later than the dates specified in §80.554(a) or (b), as applicable.

(3) A refiner may apply to EPA for up to an additional six months to comply with the standards of §80.510 or §80.520 if more than 30 months would be required for the necessary engineering, permitting, construction, and start-up work to be completed. Such applications must include detailed technical information supporting the need for additional time. EPA will base a decision to approve additional time on information provided by the refiner and on other relevant information. In no case will EPA extend the compliance date beyond May 31, 2010 for a motor vehicle diesel fuel small refiner or beyond the dates specified in §80.554(a) or (b), as applicable, for a NRLM diesel fuel small refiner.

(4) Disqualification under paragraphs (f)(1) or (f)(2) of this section shall not apply in the case of a merger between two previously approved small refiners.

(5) During the period of time up to 30 months provided under paragraph (f)(1)(ii) of this section, and any extension provided under paragraph (f)(3) of this section, the refiner may not generate motor vehicle diesel fuel sulfur credits under §80.531(e). During the period of time up to 30 months provided under paragraph (f)(2)(ii) of this section, and any extension provided under paragraph (f)(3) of this section, the refiner may not generate NRLM diesel fuel sulfur credits under §80.535(b) or (d).

(g) Notwithstanding the criteria in paragraph (a) of this section, any small refiner that has been approved by EPA as a small refiner under §80.235 and meets the criteria of paragraph (a)(1) of this section, will be considered a small refiner under this section as well, for as long as they are a small refiner under §80.225. The provisions of paragraph (f) of this section apply to any such refiner.

[66 FR 5136, Jan. 18, 2001, as amended at 69 FR 39177, June 29, 2004; 70 FR 40896, July 15, 2005]

§ 80.551 HOW DOES A REFINER OBTAIN APPROVAL AS A SMALL REFINER UNDER THIS SUBPART?

(a)(1)(i) Applications for motor vehicle diesel fuel small refiner status must be submitted to EPA by December 31, 2001.

(ii) Applications for NRLM diesel fuel small refiner status must be submitted to EPA by December 31, 2004.

(2)(i) In the case of a refiner who acquires or reactivates a refinery that was shutdown or non-operational between January 1, 1999, and January 1, 2000, the application for motor vehicle diesel fuel small refiner status must be submitted to EPA by June 1, 2003.

(ii) In the case of a refiner who acquires or reactivates a refinery that was shutdown or non-operational between January 1, 2002, and January 1, 2003, the application for NRLM diesel fuel small refiner status must be submitted to EPA by June 1, 2006.

(b) Applications for small refiner status must be sent via certified mail with return receipt or express mail with return receipt to: U.S. EPA—Attn: Diesel Small Refiner Status (6406J), 1200 Pennsylvania Avenue, NW., Washington, DC 20460 (certified mail/return receipt) or Attn: Diesel Small Refiner Status, Transportation and Regional Programs Division, 1310 L Street, NW., 6th floor, Washington, DC 20005 (express mail/return receipt).

(c) The small refiner status application must contain the following information for the company seeking small refiner status, plus any subsidiary companies, any parent company and subsidiaries of the parent company in which the parent has 50 percent or greater ownership, and any joint venture partners:

(1) For motor vehicle diesel fuel small refiners—

(i) A listing of the name and address of each location where any employee worked during the 12 months preceding January 1, 2000; the average number of employees at each location based upon the number of employees for each pay period for the 12 months preceding January 1, 2000; and the type of business activities carried out at each location; or

(ii) In the case of a refiner who acquires or reactivates a refinery that was shutdown or non-operational between January 1, 1999, and January 1, 2000, a listing of the name and address of each location where any employee of the refiner worked since the refiner acquired or reactivated the refinery; the average number of employees at any such acquired or reactivated refinery during each calendar year since the refiner acquired or reactivated the refinery; and the type of business activities carried out at each location.

(2) For NRLM diesel fuel small refiners—

(i) A listing of the name and address of each location where any employee worked during the 12 months preceding January 1, 2003; the average number of employees at each location based upon the number of employees for each pay period for the 12 months preceding January 1, 2003; and the type of business activities carried out at each location; or

(ii) In the case of a refiner who acquires or reactivates a refinery that was shutdown or non-operational between January 1, 2002, and January 1, 2003, a listing of the name and address of each location where any employee of the refiner worked since the refiner acquired or reactivated the refinery; the average number of employees at any such acquired or reactivated refinery during each calendar year since the refiner acquired or reactivated the refinery; and the type of business activities carried out at each location.

(3) The total corporate crude oil capacity of each refinery as reported to the Energy Information Administration (EIA) of the U.S. Department of Energy (DOE) for the most recent 12 months of operation. The information submitted to EIA is presumed to be correct. In cases where a company disagrees with this information, the company may petition EPA with appropriate data to correct the record when the company submits its application for small refiner status. EPA may accept such alternate data at its discretion.

(4) For motor vehicle diesel fuel, an indication of whether the refiner, for each refinery, is applying for—

(i) The ability to produce motor vehicle diesel fuel subject to the 500 ppm sulfur standard under §80.520(c) or generate credits under §80.531, pursuant to the provisions of §80.552(a) or (b); or

(ii) An extension of the duration of its small refiner gasoline sulfur standard under §80.553, pursuant to the provisions of §80.552(c).

(5) For NRLM diesel fuel, an indication of whether the refiner, for each refinery, is applying for—

(i) The ability to delay compliance under §80.554(a) or (b), or to generate NRLM diesel sulfur credits under §80.535(b) or (d), pursuant to the provisions of §80.554(c); or

(ii) An adjustment to its small refiner gasoline sulfur standards under §80.240(a), pursuant to the provisions of §80.554(d).

(6) A letter signed by the president, chief operating or chief executive officer of the company, or his/her designee, stating that the information contained in the application is true to the best of his/her knowledge.

(7) Name, address, phone number, facsimile number and e-mail address (if available) of a corporate contact person.

(d) For joint ventures, the total number of employees includes the combined employee count of all corporate entities in the venture.

(e) For government-owned refiners, the total employee count includes all government employees.

(f) Approval of small refiner status for refiners who apply under §80.550(d) will be based on all information submitted under paragraph (c)(ii) of this section, except as provided in §80.550(e).

(g) EPA will notify a refiner of approval or disapproval of small refiner status by letter. If disapproved, the refiner must comply with the sulfur standards in

§80.510 or 80.520, as appropriate, except as otherwise provided in this subpart.

(h) If EPA finds that a refiner provided false or inaccurate information on its application for small refiner status, upon notice from EPA the refiner's small refiner status will be void *ab initio.*

(i) Upon notification to EPA, an approved small refiner may withdraw its status as a small refiner. Effective on January 1 of the year following such notification, the small refiner will become subject to the sulfur standards in §80.510 or 80.520, as appropriate, unless one of the other hardship provisions of this subpart apply.

[69 FR 39178, June 29, 2004, as amended at 70 FR 40896, July 15, 2005]

Editorial Note: At 71 FR 25718, May 1, 2006, §80.551 was amended by adding paragraph (f); however, the paragraph already exists in this section. For the convenience of the user, the added text is set forth as follows:

§ 80.551 HOW DOES A REFINER OBTAIN APPROVAL AS A SMALL REFINER UNDER THIS SUBPART?

(f) Approval of small refiner status for refiners who apply under §80.550(e) will be based on all information submitted under paragraph (c) of this section, except as provided in §80.550(e).

§ 80.552 WHAT COMPLIANCE OPTIONS ARE AVAILABLE TO MOTOR VEHICLE DIESEL FUEL SMALL REFINERS?

(a) A refiner that has been approved by EPA as a motor vehicle diesel fuel small refiner under §80.551(g) may produce motor vehicle diesel fuel subject to the 500 ppm sulfur standard pursuant to the provisions of §80.530, except that the volume limits of §80.530(a)(3) shall only apply to that volume of diesel fuel that is produced or imported during an annual compliance period that exceeds 105 percent of the baseline volume established under §80.595 (V_{500}). The annual compliance period shall be from July 1 through June 30. For the year 2006, the compliance period shall be from June 1, 2006 through June 30, 2007, and the volume limits shall only apply to that volume V_{500}that exceeds 113 percent of the baseline volume.

(b) A refiner that has been approved by EPA as a motor vehicle diesel fuel small refiner under §80.551(g) may generate motor vehicle diesel fuel credits pursuant to the provisions of §80.531, except that for purposes of §80.531(a), the term “Credit” shall equal V_{15}, without further adjustment.

(c) A refiner that has been approved by EPA as a motor vehicle diesel fuel small refiner under §80.551(g) may apply for an extension of the duration of its small refiner gasoline sulfur standards pursuant to §80.553.

(d) A refiner that produces motor vehicle diesel fuel under the provisions of paragraph (a) of this section or generates credits under the provisions of paragraph (b) of this section may not receive an extension of its small refiner gasoline sulfur standard under the provisions of paragraph (c) of this section. A refiner that receives an extension of its small refiner gasoline sulfur standard under the provisions of paragraph (c) of this section may not produce motor vehicle diesel fuel under the provisions of paragraph (a) of this section and may not generate credits under the provisions of paragraph (b) of this section.

(e) The provisions of this section shall apply separately for each refinery owned or operated by a motor vehicle diesel fuel small refiner.

[66 FR 5136, Jan. 18, 2001, as amended at 69 FR 39179, June 29, 2004]

§ 80.553 UNDER WHAT CONDITIONS MAY THE SMALL REFINER GASOLINE SULFUR STANDARDS BE EXTENDED FOR A SMALL REFINER OF MOTOR VEHICLE DIESEL FUEL?

(a) A refiner that has been approved by EPA for small refiner gasoline sulfur standards under §80.240 may apply, under §80.551, for an extension of the duration of its small refiner gasoline sulfur standards through the calendar year 2010 annual averaging period.

(b) As part of its application, the refiner must submit an application for a motor vehicle diesel fuel baseline in accordance with the provisions of §§80.595 and 80.596. The application must also include information, as provided in §80.594, demonstrating that starting no later than June 1, 2006, 95 percent of the motor vehicle diesel fuel produced by the refiner will comply with the 15 ppm sulfur content standard under §80.520(a)(1), and that the volume of motor vehicle diesel fuel produced will comply with the volume requirements of paragraph (e) of this section.

(c) The Administrator may approve an application for extension of the small refiner gasoline sulfur standards if the provisions of paragraph (b) of this section and §§80.595 and 80.596 are satisfied. In approving an application for extension, the Administrator shall establish a motor vehicle diesel fuel volume baseline under §§80.595 and 80.596.

(d) Beginning June 1, 2006, and continuing through December 31, 2010, 95 percent of the motor vehicle diesel fuel produced by a refiner that has received an extension of its small refiner gasoline sulfur standards under this section must be accurately designated under §80.598 as meeting the 15 ppm sulfur content standard under §80.520(a)(1).

(e) The total volume of motor vehicle diesel fuel produced for use in the United States and designated as meeting the 15 ppm sulfur content standard under paragraph (d) of this section must meet or exceed 85 percent of the baseline volume established under paragraph (c) of this section, except that for the first compliance period from June 1, 2006 through June 30, 2007, the total volume must meet or exceed 92 percent of the baseline volume.

(f) Compliance with the volume requirements in paragraph (e) of this section shall be determined each compliance period. Annual compliance periods shall be from July 1 through June 30. For the year 2006, the compliance period shall be from June 1, 2006 through June 30, 2007 and for the year 2009 the

compliance period shall be from July 1, 2009 through May 31, 2010.

(g) If a refiner fails to comply with the requirements of paragraph (d) of this section, or if approval of the application, including the baseline, was based on false or inaccurate information, the extension of the applicable small refiner gasoline sulfur standards under this section shall be void ab initio, and all gasoline produced by the refinery must meet the gasoline sulfur standards under subpart H of this Part as if there had been no extension of the small refiner gasoline sulfur standards.

(h) If for any compliance period a refiner fails to meet the volume requirements in paragraph (e) of this section, the extension of the small refiner gasoline sulfur standards shall be void for that compliance period and for all succeeding compliance periods and all gasoline produced by the refinery must meet the gasoline sulfur standards under subpart H of this part as if there had been no extension of the small refiner gasoline sulfur standards under this section for such compliance periods.

(i) A refiner that is approved for an extension of the interim small refiner gasoline sulfur standards under this section must meet all applicable recordkeeping and reporting requirements of §§80.592, 80.593, and 80.594, and shall meet all the recordkeeping and reporting requirements under §§80.210, 80.365 and 80.370. Any foreign refiner shall meet all additional requirements under §§80.620 and 80.410.

(j) A refiner approved for the small refiner gasoline sulfur standards extension under this section may not generate or use credits under §80.531(a) or (e), or §80.532.

(k) A refiner may petition the Administrator to vacate an extension of the small refiner gasoline sulfur content standards. EPA may grant such a petition, effective July 1 of the compliance period following receipt of such petition (or effective June 1, 2006, if applicable). Upon such effective date, all gasoline produced by the refiner must meet the gasoline sulfur content standards under subpart H of this part as if there had been no extension of the small refiner gasoline sulfur content standards under this section. Upon such effective date, the refiner shall not be subject to the requirements of this section.

(l) The provisions of this section shall apply separately for each refinery of a refiner.

[66 FR 5136, Jan. 18, 2001, as amended at 69 FR 39179, June 29, 2004; 71 FR 25718, May 1, 2006]

§ 80.554 WHAT COMPLIANCE OPTIONS ARE AVAILABLE TO NRLM DIESEL FUEL SMALL REFINERS?

(a) *Option 1:* A refiner that has been approved by EPA as a NRLM diesel fuel small refiner under §80.551(g) may produce NRLM diesel fuel from crude oil from June 1, 2007 through May 31, 2010, that is exempt from the standards under §80.510(a), but only for a refinery located outside the areas specified under §80.510(g)(1).

(1) The volume of NRLM diesel fuel that is exempt from §80.510(a) must be less than or equal to 105 percent of B_{NRLM}as defined under §80.533, less any volume of heating oil produced.

(2) Any volume of NRLM diesel fuel in excess of the volume allowed under (a)(1) of this section will be subject to the 500 ppm sulfur standard under §80.510(a).

(3) High-sulfur NRLM produced under this paragraph must—

(i) Be dyed red pursuant to the provisions of §80.520 at the point of production or importation;

(ii) Be associated with a product transfer document that bears a unique product code as specified under §80.590; and

(iii) Not be delivered into areas specified under §80.510(g)(1).

(4) From June 1, 2007 through May 31, 2010, a refiner that has been approved by EPA as a NRLM diesel fuel small refiner under §80.551(g) may produce at a refinery located in 80.510(g)(2) NRLM diesel fuel that is exempt from the standards under §80.510(a) only if the refiner first obtains approval from the Administrator for a compliance plan. The compliance plan must detail how the refiner will segregate any fuel produced that does not meet the standards under §80.510(a) from the refinery through to the ultimate consumer from fuel having any other designations and from fuel produced by any other refiner. The compliance plan must also identify all ultimate consumers to whom the refiner supplies the fuel that does not meet the standards under §80.510(a).

(b) *Option 2:* A refiner that has been approved by EPA as a NRLM diesel fuel small refiner under §80.551(g) may produce NR diesel fuel from crude oil from June 1, 2010, through May 31, 2014, and NRLM diesel fuel from crude oil from June 1, 2012 through May 31, 2014 that is subject to the standards under §80.510(a), but only for a refinery located outside the areas specified under §80.510(g)(1).

(1) The volume of NR diesel fuel that may be subject to the 500 ppm sulfur standard from June 1, 2010 through June 30, 2011 must be less than or equal to 113 percent of B_{NRLM}, and from July 1, 2011 through May 31, 2012 must be less than or equal to 96 percent of B_{NRLM}, as defined under §80.533, less any volume of locomotive and marine diesel fuel produced.

(2) The volume of NRLM diesel fuel that may be subject to the 500 ppm sulfur standard from June 1, 2012 through June 30, 2013 must be less than or equal to 113 percent of B_{NRLM}, and from July 1, 2013 through May 31, 2014 must be less than or equal to 96 percent of B_{NRLM}, as defined under §80.533.

(3) NRLM diesel fuel produced in excess of the volume allowed under paragraph (b)(1) of this section will be subject to the standards under §80.510(b) and (c).

(4) 500 ppm sulfur NRLM diesel fuel produced under this paragraph must—

(i) Bear a unique product code as specified under §80.590; and

(ii) Not be sold or delivered into areas specified under §80.510(g)(1).

(5) From June 1, 2010 through May 31, 2012, for NR diesel fuel, and from June 1, 2012 through May 31, 2014 for NRLM diesel fuel, a refiner that has been approved by EPA as a NRLM diesel fuel small refiner under §80.551(g) may produce, at a refinery located in Alaska, NR and NRLM diesel fuel, as applicable, from crude oil that is subject to the standards of §80.510(a), only if the refiner first obtains approval from the Administrator for a compliance plan. The compliance plan must detail how the refiner will segregate any fuel produced subject to the standards under §80.510(a) from the refinery through to the ultimate consumer from fuel having any other designations and from fuel produced by any other refiner. The compliance plan must also identify all ultimate consumers to whom the refiner supplies the fuel that does not meet the standards under §80.510(a).

(c) *Option 3:* A refiner that has been approved by EPA as a NRLM diesel fuel small refiner under §80.551(g) may generate diesel fuel credits under the provisions of §80.535(b) and (d), except as provided in paragraph (d)(1) of this section.

(d) *Option 4:* (1) In lieu of Options 1, 2, and 3 of this section, a refiner that has been approved by EPA as a NRLM diesel fuel small refiner under §80.551(g) may choose to adjust its small refiner gasoline sulfur standards, subject to the following conditions:

(i) From June 1, 2006 until the expiration of the refiner's small refiner gasoline sulfur standards (through December 31, 2007 or 2010) 95 percent of the total MVNRLM diesel fuel produced by the refiner must be accurately designated under §80.598(a) as meeting the 15 ppm sulfur standard of §80.510(b).

(ii) The refiner must produce MVNRLM diesel fuel each year or partial year under paragraph (d)(1)(i) of this section at a volume that is equal to or greater than 85 percent of B_{MVNRLM}, as defined in §80.533, calculated on an annual basis.

(2)(i) For a refiner meeting the conditions of paragraph (d)(1) of this section, beginning January 1, 2004, the applicable small refiner's annual average and per-gallon cap gasoline sulfur standards will be the standards of §80.240(a) increased by a factor of 1.20 for the duration of the refiner's small refiner gasoline sulfur standards under §80.240(a) or §80.553 (*i.e.,* through calendar years 2007 or 2010).

(ii) In no case may the per-gallon cap exceed 450 ppm.

(3)(i) If the refiner fails to produce the necessary volume of 15 ppm sulfur MVNRLM diesel fuel by June 1, 2006 and every year thereafter through the deadlines specified under paragraph (d)(1)(i) of this section, the refiner must report this in its annual report under §80.604, and the adjustment of gasoline sulfur standards under paragraph (d)(2)(i) of this section will be considered void as of January 1, 2004.

(ii) If such a refiner had produced gasoline above its interim gasoline sulfur standard of §80.240(a) prior to June 1, 2006, such fuel will not be considered in violation of the small refiner standards under §80.240(a), provided the refiner obtains and uses a quantity of gasoline sulfur credits equal to the volume of gasoline exceeding the small refiner standards multiplied by the number of parts per million by which the gasoline exceeded the small refiner standards.

(e) *Multiple refineries.* The provisions of this section shall apply separately for each refinery owned or operated by a NRLM diesel fuel small refiner.

(f) *Other provisions.* From June 1, 2007 through May 31, 2010, a refiner who is an approved motor vehicle diesel fuel small refiner under §80.550(a) but does not qualify as a NRLM diesel fuel small refiner under §80.550(b) may produce NRLM diesel fuel that is exempt from the per-gallon sulfur standard and the cetane or aromatics standard of §80.510(a). This exemption does not apply to diesel fuel sold or intended for sale in the areas listed in §80.510(g)(1) or (g)(2). From June 1, 2010 through May 31, 2012, NR and LM diesel fuel produced by such refiners is subject to the standards under §80.510(b) and beginning June 1, 2012, all NRLM diesel fuel is subject to the standards under §80.510(c).

[69 FR 39179, June 29, 2004, as amended at 71 FR 25718, May 1, 2006]

§ 80.555 WHAT PROVISIONS ARE AVAILABLE TO A LARGE REFINER THAT ACQUIRES A SMALL REFINER OR ONE OR MORE OF ITS REFINERIES?

(a) In the case of a refiner without approved small refiner status who acquires a refinery from a refiner with approved status as a motor vehicle diesel fuel small refiner or a NRLM diesel fuel small refiner under §80.551(g), the applicable small refiner provisions of §§80.552 and 80.554 may apply to the acquired refinery for a period of up to 30 months from the date of acquisition of the refinery. In no case shall this period extend beyond May 31, 2010 for a refinery acquired from a motor vehicle diesel fuel small refiner or beyond the dates specified in §80.554(a) or (b), as applicable, for a refinery acquired from a NRLM diesel fuel small refiner.

(b) A refiner may apply to EPA for up to an additional six months to comply with the standards of §80.510 or 80.520 for the acquired refinery if more than 30 months would be required for the necessary engineering, permitting, construction, and start-up work to be completed. Such applications must include detailed technical information supporting the need for additional time. EPA will base a decision to approve additional time on information provided by the refiner and on other relevant information. In no case will EPA extend the compliance date beyond May 31, 2010 for a refinery acquired from a motor vehicle diesel fuel small refiner or beyond the dates specified in §80.554(a) or (b), as applicable, for a refinery acquired from a NRLM diesel fuel small refiner.

(c) Refiners who acquire a refinery from a refiner with approved status as a motor vehicle diesel fuel small refiner or a NRLM diesel fuel small refiner under §80.551(g), shall notify EPA in writing no later than 20 days following the acquisition.

[69 FR 39180, June 29, 2004]

§§ 80.556-80.559 [RESERVED]
OTHER HARDSHIP PROVISIONS
§ 80.560 HOW CAN A REFINER SEEK TEMPORARY RELIEF FROM THE REQUIREMENTS OF THIS SUBPART IN CASE OF EXTREME HARDSHIP CIRCUMSTANCES?

(a) EPA may, at its discretion, grant a refiner of crude oil that processes crude oil through refinery processing units, for one or more of its refineries, temporary relief from some or all of the provisions of this subpart. Such relief shall be no less stringent than the small refiner compliance options specified in §80.552 for motor vehicle diesel fuel and §80.554 for NRLM diesel fuel. EPA may grant such relief provided that the refiner demonstrates that—

(1) Unusual circumstances exist that impose extreme hardship and significantly affect the refiner's ability to comply by the applicable date; and

(2) It has made best efforts to comply with the requirements of this subpart.

(b)(1) For motor vehicle diesel fuel, applications must be submitted to EPA by June 1, 2002 to the following address: U.S. EPA—Attn: Diesel Hardship, Transportation and Regional Programs Division (6406J), 1200 Pennsylvania Avenue, NW., Washington, DC 20460 (certified mail/return receipt) or Attn: Diesel Hardship, Transportation and Regional Programs Division, 1310 L Street, NW., 6th floor, Washington, DC 20005 (express mail/return receipt). EPA reserves the right to deny applications for appropriate reasons, including unacceptable environmental impact. Approval to distribute motor vehicle diesel fuel not subject to the 15 ppm sulfur standard may be granted for such time period as EPA determines is appropriate, but shall not extend beyond May 31, 2010.

(2) For NRLM diesel fuel, applications must be submitted to EPA by June 1, 2005 to the following address: U.S. EPA—Attn: Diesel Hardship, Transportation and Regional Programs Division (6406J), 1200 Pennsylvania Avenue, NW., Washington, DC 20460 (certified mail/return receipt) or Attn: Diesel Hardship, Transportation and Regional Programs Division, 1310 L Street, NW., 6th floor, Washington, DC 20005 (express mail/return receipt). EPA reserves the right to deny applications for appropriate reasons, including unacceptable environmental impact. Approval to distribute NRLM diesel fuel not subject to the 500 ppm sulfur standard may be granted for such time period as EPA determines is appropriate, but shall not extend beyond May 31, 2010 for NR diesel fuel and May 31, 2012 for NRLM diesel fuel. Approval to distribute NRLM diesel fuel not subject to the 15 ppm sulfur standard may be granted for such time period as EPA determines is appropriate, but shall not extend beyond May 31, 2014.

(c) Applications must include a plan demonstrating how the refiner will comply with the requirements of this subpart as expeditiously as possible. The plan shall include a showing that contracts are or will be in place for engineering and construction of desulfurization equipment a plan for applying for and obtaining any permits necessary for construction or operation, projected timeline for beginning and completing construction, and for beginning actual operation of such equipment, and a description of plans to obtain necessary capital, and a detailed estimate of when the requirements of this subpart will be met.

(d) Applicants must provide, at a minimum, the following information:

(1) Detailed description of efforts to obtain capital for refinery investments and efforts made to obtain credits for compliance under §80.531 for motor vehicle diesel fuel or §§80.535 through 80.536 for NRLM diesel fuel;

(2) Bond rating of entity that owns the refinery (in the case of joint ventures, include the bond rating of the joint venture entity and the bond ratings of all partners; in the case of corporations, include the bond ratings of any parent or subsidiary corporations); and

(3) Estimated capital investment needed to comply with the requirements of this subpart by the applicable date.

(e) In addition to the application requirements of paragraph (b) through (d) of this section, a refiner's application for temporary relief under this paragraph (e) must also include a compliance plan. Such compliance plan shall demonstrate how the refiner will engage in a quality assurance testing program, where appropriate, to ensure that the following conditions are met:

(1)(i) Its motor vehicle diesel fuel subject solely to the sulfur standards under §80.520(c) has not caused motor vehicle diesel fuel subject to the 15 ppm sulfur standard §80.520(a)(1) to fail to comply with that standard; or

(ii) Its NRLM diesel fuel subject solely to the 500 ppm sulfur standard under §80.510(a) has not caused NRLM diesel fuel subject to the 15 ppm sulfur standard under §80.510(b) or (c) to fail to comply with that standard.

(2) The quality assurance program must at least include periodic sampling and testing at the party's own facilities and at downstream facilities in the refiner's or importer's diesel fuel distribution system, to determine compliance with the applicable sulfur standards for both categories of motor vehicle diesel fuel; examination at the party's own facilities and at applicable downstream facilities, of product transfer documents to confirm appropriate transfers and deliveries of both products; and inspection of retailer and wholesale purchaser-consumer pump stands for the presence of the labels and warning signs required under this section. Any violations that are discovered shall be reported to EPA within 48 hours of discovery.

(f) Applications under this section must be accompanied by:

(1) A letter signed by the president, chief operating or chief executive officer of the company, or his/her designee, stating that the information contained in the application is true to the best of his/her knowledge.

(2) The name, address, phone number, facsimile number and e-mail address of a corporate contact person.

(g) Applicants must also provide any other relevant information requested by EPA.

(h) Refiners who are granted a hardship relief standard for any refinery and importers of fuel subject to temporary foreign refiner relief standards, must comply with the requirements of §80.561(f).

(i) EPA may impose any reasonable conditions on waivers under this section, including limitations on the refinery's volume of motor vehicle diesel fuel and NRLM diesel fuel subject to temporary refiner relief standards.

(j) The provisions of this section are available only to refineries that produce diesel fuel from crude.

(k) The individual refinery sulfur standard and the compliance plan will be approved or disapproved by the Administrator, and approval will be effective when the refiner receives an approval letter from EPA. Unless approved, the refiner or, where applicable, the importer must comply with the motor vehicle diesel fuel standard under §80.520(a)(1) by the appropriate compliance date specified in §80.500 or the NRLM diesel fuel standards and compliance dates under §80.510(a), (b), and (c) as applicable.

(l) If EPA finds that a refiner provided false or inaccurate information on its application for hardship relief, EPA's approval of the refiners application will be void *ab initio.*

[66 FR 5136, Jan. 18, 2001, as amended at 69 FR 39181, June 29, 2004]

§ 80.561 HOW CAN A REFINER OR IMPORTER SEEK TEMPORARY RELIEF FROM THE REQUIREMENTS OF THIS SUBPART IN CASE OF EXTREME UNFORSEEN CIRCUMSTANCES?

In appropriate extreme, unusual, and unforeseen circumstances (for example, natural disaster or refinery fire) which are clearly outside the control of the refiner or importer and which could not have been avoided by the exercise of prudence, diligence, and due care, EPA may permit a refiner or importer, for a brief period, to distribute motor vehicle diesel fuel or NRLM diesel fuel which does not meet the requirements of this subpart if:

(a) It is in the public interest to do so (e.g., distribution of the nonconforming diesel fuel is necessary to meet projected shortfalls which cannot otherwise be compensated for);

(b) The refiner or importer exercised prudent planning and was not able to avoid the violation and has taken all reasonable steps to minimize the extent of the nonconformity;

(c) The refiner or importer can show how the requirements for motor vehicle diesel fuel or NRLM diesel fuel will be expeditiously achieved;

(d) The refiner or importer agrees to make up any air quality detriment associated with the nonconforming motor vehicle diesel fuel or NRLM diesel fuel, where practicable;

(e) The refiner or importer pays to the U.S. Treasury an amount equal to the economic benefit of the nonconformity minus the amount expended pursuant to paragraph (d) of this section, in making up the air quality detriment; and

(f)(1) In the case of motor vehicle diesel fuel distributed under this section that does not meet the 15 ppm sulfur standard under §80.520(a)(1), such diesel fuel shall not be distributed for use in model year 2007 or later motor vehicles, and must meet all the requirements and prohibitions of this subpart applicable to diesel fuel meeting the sulfur standard under §80.520(c), or to diesel fuel that is not motor vehicle diesel fuel, as applicable.

(2) In the case of NRLM diesel fuel distributed under this section from June 1, 2007 through May 31, 2010 that does not meet the 500 ppm sulfur standard under §80.510(a), such diesel fuel must meet the requirements and prohibitions applicable to high sulfur NRLM credit fuel under §80.536(f)(1)(i) and (ii).

(3) In the case of NR diesel fuel distributed under this section after May 31, 2010 that does not meet the 15 ppm sulfur standard under §80.510(b), such diesel fuel shall not be distributed for use in model year 2011 or later nonroad engines, and must meet all the requirements and prohibitions of this subpart applicable to diesel fuel meeting the sulfur standard under §80.510(a) for NRLM diesel fuel.

(4) In the case of NRLM diesel fuel distributed under this section after May 31, 2012 that does not meet the 15 ppm sulfur standard under §80.510(c), such diesel fuel shall not be distributed for use in model year 2011 or later nonroad engines, and must meet all the requirements and prohibitions of this subpart applicable to diesel fuel meeting the sulfur standard under §80.510(a) for NRLM diesel fuel.

[66 FR 5136, Jan. 18, 2001, as amended at 69 FR 39181, June 29, 2004]

§§ 80.562-80.569 [RESERVED]

LABELING REQUIREMENTS

§ 80.570 WHAT LABELING REQUIREMENTS APPLY TO RETAILERS AND WHOLESALE PURCHASER-CONSUMERS OF DIESEL FUEL BEGINNING JUNE 1, 2006?

(a) From June 1, 2006 through May 31, 2010, any retailer or wholesale purchaser-consumer who sells, dispenses, or offers for sale or dispensing, motor vehicle diesel fuel subject to the 15 ppm sulfur standard of §80.520(a)(1), must affix the following conspicuous and legible label, in block letters of no less than 24-point bold type, and printed in a color contrasting with the background, to each pump stand:

ULTRA-LOW SULFUR HIGHWAY DIESEL FUEL (15 ppm Sulfur Maximum)

Required for use in all model year 2007 and later highway diesel vehicles and engines.

Recommended for use in all diesel vehicles and engines.

(b) From June 1, 2006 through September 30, 2010, any retailer or wholesale purchaser-consumer who sells, dispenses, or offers for sale or dispensing, motor vehicle diesel fuel subject to the 500 ppm sulfur standard of §80.520(c), must prominently and conspicuously display in the immediate area of each pump stand from which motor vehicle fuel subject to the 500 ppm sulfur standard is offered for sale or dispensing, the following legible label, in block letters of no less than 24-point bold type, printed in a color contrasting with the background:

LOW SULFUR HIGHWAY DIESEL FUEL (500 ppm Sulfur Maximum)

WARNING

Federal law *prohibits* use in model year 2007 and later highway vehicles and engines.

Its use may damage these vehicles and engines.

(c) From June 1, 2006 through May 31, 2007, any retailer or wholesale purchaser-consumer who sells, dispenses, or offers for sale or dispensing, diesel fuel for non-motor vehicle equipment that does not meet the standards for motor vehicle diesel fuel, must affix the following conspicuous and legible label, in block letters of no less than 24-point bold type, and printed in a color contrasting with the background, to each pump stand:

NON-HIGHWAY DIESEL FUEL (May Exceed 500 ppm Sulfur)

WARNING

Federal law *prohibits* use in highway vehicles or engines.

Its use may damage these vehicles and engines.

(d) The labels required by paragraphs (a) through (c) of this section must be placed on the vertical surface of each pump housing and on each side that has gallon and price meters. The labels shall be on the upper two-thirds of the pump, in a location where they are clearly visible.

(e) Alternative labels to those specified in paragraphs (a) through (c) of this section may be used as approved by EPA.

[69 FR 39182, June 29, 2004, as amended at 71 FR 25718, May 1, 2006]

§ 80.571 WHAT LABELING REQUIREMENTS APPLY TO RETAILERS AND WHOLESALE PURCHASER-CONSUMERS OF NRLM DIESEL FUEL OR HEATING OIL BEGINNING JUNE 1, 2007?

Any retailer or wholesale purchaser-consumer who sells, dispenses, or offers for sale or dispensing nonroad, locomotive or marine (NRLM) diesel fuel (including nonroad (NR) and locomotive or marine (LM)), or heating oil, must prominently and conspicuously display in the immediate area of each pump stand from which non-highway diesel fuel is offered for sale or dispensing, one of the following legible labels, as applicable, in block letters of no less than 24-point bold type, printed in a color contrasting with the background:

(a) From June 1, 2007 through May 31, 2010, for pumps dispensing NRLM diesel fuel meeting the 15 ppm sulfur standard of §80.510(b):

ULTRA-LOW SULFUR NON-HIGHWAY DIESEL FUEL (15 ppm Sulfur Maximum)

Required for use in all model year 2011 and newer nonroad diesel engines.

Recommended for use in all nonroad, locomotive, and marine diesel engines.

WARNING

Federal Law *prohibits* use in highway vehicles or engines.

(b) From June 1, 2007 through May 31, 2010, for pumps dispensing NRLM diesel fuel meeting the 500 ppm sulfur standard of §80.510(a):

LOW SULFUR NON-HIGHWAY DIESEL FUEL (500 ppm Sulfur Maximum)

WARNING

Federal Law *prohibits* use in highway vehicles or engines.

(c) From June 1, 2007 through September 30, 2010, for pumps dispensing NRLM diesel fuel not meeting, or not offered as meeting, the 500 ppm sulfur standard of §80.510(a) or the 15 ppm sulfur standard of §80.510(b):

HIGH SULFUR NON-HIGHWAY DIESEL FUEL (May Exceed 500 ppm Sulfur)

WARNING

Federal law *prohibits* use in highway vehicles or engines.

May damage nonroad diesel engines required to use low-sulfur or ultra-low sulfur diesel fuel.

(d) From June 1, 2007 and beyond, for pumps dispensing non-motor vehicle diesel fuel for use other than in nonroad, locomotive or marine engines, such as for use in stationary diesel engines or as heating oil:

HEATING OIL (May Exceed 500 ppm Sulfur)

WARNING

Federal law *prohibits* use in highway vehicles or engines, or in nonroad, locomotive, or marine diesel engines.

Its use may damage these diesel engines.

(e) The labels required by paragraphs (a) through (d) of this section must be placed on the vertical surface of each pump housing and on each side that has gallon and price meters. The labels shall be on the upper two-thirds of the pump, in a location where they are clearly visible.

(f) Alternative labels to those specified in paragraphs (a) through (d) of this section may be used as approved by EPA.

[69 FR 39182, June 29, 2004, as amended at 71 FR 25718, May 1, 2006]

§ 80.572 WHAT LABELING REQUIREMENTS APPLY TO RETAILERS AND WHOLESALE PURCHASER-CONSUMERS OF NR AND NRLM DIESEL FUEL AND HEATING OIL BEGINNING JUNE 1, 2010?

Any retailer or wholesale purchaser-consumer who sells, dispenses, or offers for sale or dispensing nonroad, locomotive or marine (NRLM) diesel fuel (including nonroad (NR) and locomotive or marine (LM)), or heating oil, must prominently and conspicuously display in the immediate area of each pump stand from which non-highway diesel fuel is offered for sale or dispensing, one of the following legible labels, as applicable, in block letters of no less than 24-point bold type, printed in a color contrasting with the background:

(a) From June 1, 2010 and beyond, any retailer or wholesale purchaser-consumer who sells, dispenses, or offers for sale or dispensing, motor vehicle diesel fuel subject to the 15 ppm sulfur standard of §80.520(a)(1), must affix the following conspicuous and legible label, in block letters of no less than 24-point bold type, and printed in a color contrasting with the background, to each pump stand:

ULTRA-LOW SULFUR HIGHWAY DIESEL FUEL (15 ppm Sulfur Maximum)

Required for use in all highway diesel vehicles and engines.

Recommended for use in all diesel vehicles and engines.

(b) From June 1, 2010 through May 31, 2012, for pumps dispensing NR diesel fuel subject to the 15 ppm sulfur standard of §80.510(b):

ULTRA-LOW SULFUR NON-HIGHWAY DIESEL FUEL (15 ppm Sulfur Maximum)

Required for use in all model year 2011 and later nonroad diesel engines.

Recommended for use in all other non-highway diesel engines.

WARNING

Federal law *prohibits* use in highway vehicles or engines.

(c) From June 1, 2010 through September 30, 2014, for pumps dispensing NRLM diesel fuel subject to the 500 ppm sulfur standard of §80.510(a):

LOW SULFUR NON-HIGHWAY DIESEL FUEL (500 ppm Sulfur Maximum)

WARNING

Federal law *prohibits* use in all model year 2011 and newer nonroad engines.

May damage model year 2011 and newer nonroad engines.

Federal law *prohibits* use in highway vehicles or engines.

(d) From June 1, 2010 through September 30, 2012, for pumps dispensing LM diesel fuel subject to the 500 ppm sulfur standard of §80.510(a):

LOW SULFUR LOCOMOTIVE AND MARINE DIESEL FUEL (500 ppm Sulfur Maximum)

WARNING

Federal law *prohibits* use in nonroad engines or in highway vehicles or engines.

(e) The labels required by paragraphs (a) through (d) of this section must be placed on the vertical surface of each pump housing and on each side that has gallon and price meters. The labels shall be on the upper two-thirds of the pump, in a location where they are clearly visible.

(f) Alternative labels to those specified in paragraphs (a) through (d) of this section may be used as approved by EPA.

[69 FR 39183, June 29, 2004, as amended at 71 FR 25718, May 1, 2006]

§ 80.573 WHAT LABELING REQUIREMENTS APPLY TO RETAILERS AND WHOLESALE PURCHASER-CONSUMERS OF NRLM DIESEL FUEL AND HEATING OIL BEGINNING JUNE 1, 2012?

Any retailer or wholesale purchaser-consumer who sells, dispenses, or offers for sale or dispensing nonroad, locomotive or marine (NRLM) diesel fuel (including nonroad (NR) and locomotive or marine (LM)), or heating oil, must prominently and conspicuously display in the immediate area of each pump stand from which non-highway diesel fuel is offered for sale or dispensing, one of the following legible labels, as applicable, in block letters of no less than 24-point bold type, printed in a color contrasting with the background:

(a) From June 1, 2012 through May 31, 2014, for pumps dispensing NRLM diesel fuel subject to the 15 ppm sulfur standard of §80.510(c):

ULTRA-LOW SULFUR NON-HIGHWAY DIESEL FUEL (15 ppm Sulfur Maximum)

Required for use in all model year 2011 and later nonroad diesel engines.

Recommended for use in all other non-highway diesel engines.

WARNING

Federal law *prohibits* use in highway vehicles or engines.

(b) The labels required by paragraph (a) of this section must be placed on the vertical surface of each pump housing and on each side that has gallon and price meters. The labels shall be on the upper two-thirds of the pump, in a location where they are clearly visible.

(c) Alternative labels to those specified in paragraph (a) of this section may be used as approved by EPA.

[69 FR 39183, June 29, 2004, as amended at 71 FR 25718, May 1, 2006]

§ 80.574 WHAT LABELING REQUIREMENTS APPLY TO RETAILERS AND WHOLESALE PURCHASER-CONSUMERS OF NRLM DIESEL FUEL, OR HEATING OIL BEGINNING JUNE 1,

2014?

Any retailer or wholesale purchaser-consumer who sells, dispenses, or offers for sale or dispensing nonroad, locomotive or marine (NRLM) diesel fuel (including nonroad (NR) and locomotive or marine (LM)), or heating oil, must prominently and conspicuously display in the immediate area of each pump stand from which non-highway diesel fuel is offered for sale or dispensing, one of the following legible labels, as applicable, in block letters of no less than 24-point bold type, printed in a color contrasting with the background:

(a) From June 1, 2014 and beyond, for pumps dispensing NRLM diesel fuel subject to the 15 ppm sulfur standard of §80.510(c):

ULTRA-LOW SULFUR NON-HIGHWAY DIESEL FUEL (15 ppm Sulfur Maximum)

Required for use in all nonroad diesel engines.

Recommended for use in all locomotive and marine diesel engines.

WARNING

Federal law *prohibits* use in highway vehicles or engines.

(b) From June 1, 2014 and beyond, for pumps dispensing LM diesel fuel subject to the 500 ppm sulfur standard of §80.510(a):

LOW SULFUR LOCOMOTIVE OR MARINE DIESEL FUEL (500 ppm Sulfur Maximum)

WARNING

Federal law *prohibits* use in nonroad engines or in highway vehicles or engines.

Its use may damage these engines.

(c) The labels required by paragraphs (a) and (b) of this section must be placed on the vertical surface of each pump housing and on each side that has gallon and price meters. The labels shall be on the upper two-thirds of the pump, in a location where they are clearly visible.

(d) Alternative labels to those specified in paragraphs (a) and (b) of this section may be used as approved by EPA.

[69 FR 39183, June 29, 2004, as amended at 71 FR 25719, May 1, 2006]

§§ 80.575-80.579 [RESERVED]
SAMPLING AND TESTING
§ 80.580 WHAT ARE THE SAMPLING AND TESTING METHODS FOR SULFUR?

The sulfur content of diesel fuel and diesel fuel additives is to be determined in accordance with this section.

(a) *Sampling method.* The applicable sampling methodology is provided in §80.330(b).

(b) *Test method for sulfur.* (1) [Reserved]

(2) For motor vehicle diesel fuel and diesel fuel additives subject to the 500 ppm sulfur standard of §80.520(c), and NRLM diesel fuel subject to the 500 ppm sulfur standard of §80.510(a)(1), sulfur content may be determined using ASTM D2622 (incorporated by reference, see paragraph (e) of this section).

(3) Beginning August 30, 2004, for motor vehicle diesel fuel and diesel fuel additives subject to the 15 ppm sulfur standard of §80.520(a)(1), sulfur content may be determined using any test method approved under §80.585.

(4) Beginning August 30, 2004, for NRLM diesel fuel and diesel fuel additives subject to the 15 ppm standard of §80.510(b), sulfur content may be determined using any test method approved under §80.585.

(c) *Alternative test methods for sulfur.* (1) [Reserved]

(2) *Options for testing sulfur content of 500 ppm diesel fuel.* (i) For motor vehicle diesel fuel and diesel fuel additives subject to the 500 ppm sulfur standard of §80.520(c), and for NRLM diesel fuel subject to the 500 ppm sulfur standard of §80.510(a), sulfur content may be determined using ASTM D4294, ASTM D5453, or ASTM D6920 (all incorporated by reference, see paragraph (e) of this section), provided that the refiner or importer test result is correlated with the appropriate method specified in paragraph (b)(2) of this section; or

(ii) For motor vehicle diesel fuel and diesel fuel additives subject to the 500 ppm sulfur standard of §80.520(c), and for NRLM diesel fuel subject to the 500 ppm sulfur standard of §80.510(a), sulfur content may be determined using any test method approved under §80.585.

(d) *Adjustment factor for downstream test results.* (1) Except as specified in paragraph (d)(1)(i) of this section, an adjustment factor of negative two ppm sulfur shall be applied to the test results from any testing of motor vehicle diesel fuel or NRLM diesel fuel downstream of the refinery or import facility, to account for test variability, but only for testing of motor vehicle diesel fuel or NRLM diesel fuel identified as subject to the 15 ppm sulfur standard of §80.510(b) or §80.520(a)(1).

(i) Prior to October 15, 2008 an adjustment factor of negative three ppm sulfur shall be applied to the test results, to account for test variability, but only for testing of motor vehicle diesel fuel or NRLM diesel fuel identified as subject to the 15 ppm sulfur standard of §80.510(b) or §80.520(a)(1).

(ii) [Reserved]

(2) In addition to the adjustment factor provided in paragraph (d)(1)(i) of this section, prior to September 1, 2006, an adjustment factor of negative 7 ppm shall be applied to the test results from any testing of motor vehicle diesel fuel downstream of the refinery or import facility, to facilitate the transition to ULSD fuel, but only for testing of motor vehicle diesel fuel identified as subject to the 15 ppm sulfur standard of §80.520(a)(1).

(3) In addition to the adjustment factor provided in paragraph (d)(1)(i) of this section, prior to October 15, 2006, an adjustment factor of negative 7 ppm shall be applied to the test results from any testing of motor vehicle diesel fuel at any retail outlet or wholesale purchaser-consumer facility, to facilitate the transition to ULSD fuel, but only for testing of motor vehicle diesel fuel identified as subject to the 15 ppm sulfur standard of §80.520(a)(1).

(e) *Materials incorporated by reference.* The Director of the Federal Register approved the incorporation by reference of the document listed in this section as prescribed in 5 U.S.C. 552(a) and 1 CFR part 51. Anyone may inspect copies at the U.S. EPA, Air and Radiation Docket and Information Center, 1301 Constitution Ave., NW., Room B102, EPA West Building, Washington, DC 20460, under EPA docket ID Number EPA–HQ–OAR–2008–0558, or at the National Archives and Records Administration (NARA). The telephone number for the Air Docket Public Reading Room is (202) 566–1742. For information on the availability of this material at NARA, call 202–741–6030 or go to: *http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html.* For further information on these test methods, please contact the Environmental Protection Agency at 734–214–4582.

(1) *ASTM material.* Anyone may purchase copies of these materials from the American Society for Testing and Materials (ASTM), 100 Barr Harbor Dr., West Conshohocken, PA 19428–2959, or by contacting ASTM customer service at 610–832–9585, or by contacting the e-mail address of *service@astm.org* from the ASTM Web site of *http://www.astm.org.*

(i) ASTM standard method D2622–05 (“ASTM D2622”), Standard Test Method for Sulfur in Petroleum Products by Wavelength Dispersive X-Ray Fluorescence Spectrometry, approved November 1, 2005.

(ii) [Reserved]

(iii) ASTM standard method D4294–03 (“ASTM D4294), Standard Test Method for Sulfur in Petroleum and Petroleum Products by Energy Dispersive X-ray Fluorescence Spectrometry, approved November 1, 2003.

(iv) ASTM standard method D5453–08a (“ASTM D5453”), Standard Test Method for Determination of Total Sulfur in Light Hydrocarbons, Spark Ignition Engine Fuel, Diesel Engine Fuel, and Engine Oil by Ultraviolet Fluorescence, approved February 1, 2008.

(v) ASTM standard method D6920–07 (“ASTM D6920”), Standard Test Method for Total Sulfur in Naphtha’s, Distillates, Reformulated Gasolines, Diesels, Biodiesels, and Motor Fuels by Oxidative Combustion and Electrochemical Detection, approved December 1, 2007.

(2) [Reserved]

[69 FR 39184, June 29, 2004, as amended at 70 FR 40896, July 15, 2005; 70 FR 70510, Nov. 22, 2005; 71 FR 16500, Apr. 3, 2006; 71 FR 25719, May 1, 2006; 73 FR 74357, Dec. 8, 2008]

§ 80.581 WHAT ARE THE BATCH TESTING AND SAMPLE RETENTION REQUIREMENTS FOR MOTOR VEHICLE AND NRLM DIESEL FUEL?

(a) Beginning on June 1, 2006 or earlier pursuant to §80.531 for motor vehicle diesel fuel, and beginning June 1, 2010 or earlier pursuant to §80.535 for NRLM diesel fuel, each refiner and importer shall collect a representative sample from each batch of motor vehicle or NRLM diesel fuel produced or imported and subject to the 15 ppm sulfur content standard. Batch, for the purposes of this section, means batch as defined under §80.2 but without the reference to transfer of custody from one facility to another facility.

(b) Except as provided in paragraph (c) of this section, the refiner or importer shall test each sample collected pursuant to paragraph (a) of this section to determine its sulfur content for compliance with the requirements of this subpart prior to the diesel fuel leaving the refinery or import facility, using an appropriate sampling and testing method as specified in §80.580.

(c)(1) Any refiner who produces motor vehicle or NRLM diesel fuel using computer-controlled in-line blending equipment, including the use of an on-line analyzer test method that is approved under the provisions of §80.580, and who, subsequent to the production of the diesel fuel batch tests a composited sample of the batch under the provisions of §80.580 for purposes of designation and reporting, is exempt from the requirement of paragraph (b) of this section to obtain the test result required under this section prior to the diesel fuel leaving the refinery, provided that the refiner obtains approval from EPA. The requirement of this paragraph (c)(1) that the in-line blending equipment must include an on-line analyzer test method that is approved under the provisions of §80.580 is effective beginning June 1, 2006.

(2) To obtain an exemption from paragraph (b) of this section, the refiner must submit to EPA all the information required under §80.65(f)(4)(i)(A). A letter signed by the president, chief operating or chief executive officer of the company, or his/her designee, stating that the information contained in the submission is true to the best of his/her belief must accompany any submission under this paragraph (c)(2).

(3) Refiners who seek an exemption under paragraph (c)(2) of this section must comply with any request by EPA for additional information or any other requirements that EPA includes as part of the exemption.

(4) Within 60 days of EPA's receipt of a submission under paragraph (c)(2) of this section, EPA will notify the refiner if the exemption is not approved or of any deficiencies in the refiner's submission, or if any additional information is required or other requirements are included in the exemption pursuant to paragraph (c)(3) of this section. In the absence of such notification from EPA, the effective date of an exemption under this paragraph (c) is 60 days from EPA's receipt of the refiner's submission.

(5) EPA reserves the right to modify the requirements of an exemption under this paragraph (c), in whole or in part, at any time, if EPA determines that the refiner's operation does not effectively or adequately control, monitor or document the sulfur content of the refinery's diesel fuel production, or if EPA determines that any other circumstances exist which merit modification of the requirements of an exemption, such as advancements in the state of the art for in-line blending measurement which allow for additional control or more accurate monitoring or documentation of sulfur content. If EPA finds that a refiner provided false or inaccurate information in any submission required for an exemption under this section, upon notification from EPA, the refiner's exemption will be void *ab initio.*

(d) All test results under this section shall be retained for five years and must be provided to EPA upon request.

(e) Samples collected under this section must be retained for at least 30 days and provided to EPA upon request.

[69 FR 39184, June 29, 2004, as amended at 71 FR 25719, May 1, 2006]

§ 80.582 WHAT ARE THE SAMPLING AND TESTING METHODS FOR THE FUEL MARKER?

For heating oil and NRLM diesel fuel subject to the fuel marker requirement in §80.510(d), (e), or (f), the identification of the presence and concentration of the fuel marker in diesel fuel may be determined using the test procedures qualified in accordance with the requirements in this section.

(a) *Sampling and testing for methods for the fuel marker.* The sampling, sample preparation, and testing methods qualified for use in accordance with the requirements of this section may involve the use of hazardous materials, operations and equipment. This section does not address the associated safety problems which may exist. It is the responsibility of the user of the procedures specified in this section to establish appropriate safety and health practices prior to their use. It is also the responsibility of the user to dispose of any byproducts which might result from conducting these procedures in a manner consistent with applicable safety and health requirements.

(b) *What are the precision and accuracy criteria for qualification of fuel marker test methods?* —(1) *Precision.* A standard deviation of less than 0.10 milligrams per liter is required, computed from the results of a minimum of 20 repeat tests made over 20 days on samples taken from a homogeneous commercially available diesel fuel which meets the applicable industry consensus and federal regulatory specifications and which contains the fuel marker at a concentration in the range of 0.10 to 8 milligrams per liter. In order to qualify, the 20 results must be a series of tests on the same material and there must be a sequential record of the analysis with no omissions. A laboratory facility may exclude a given sample or test result only if the exclusion is for a valid reason under good laboratory practices and it maintains records regarding the sample and test results and the reason for excluding them.

(2) *Accuracy.* (i) The arithmetic average of a continuous series of at least 10 tests performed on a commercially available marker solvent yellow 124 standard in the range of 0.10 to 1 milligrams per liter shall not differ from the ARV of that standard by more than 0.05 milligrams per liter.

(ii) The arithmetic average of a continuous series of at least 10 tests performed on a commercially available marker solvent yellow 124 standard in the range of 4 to 10 milligrams per liter shall not differ from the ARV of that standard by more than 0.05 milligrams per liter.

(iii) In applying the tests of paragraphs (b)(2)(i) and (ii) of this section, individual test results shall be compensated for any known chemical interferences.

(c) *What process must a test facility follow in order to qualify a test method for determining the fuel marker content of distillate fuels and how will EPA qualify or decline to qualify a test method?* —(1) *Qualification of test methods approved by voluntary consensus-based standards bodies.* Any standard test method developed by a Voluntary Consensus-Based Standards Body, such as the American Society for Testing and Materials (ASTM) or International Standards Organization (ISO), shall be considered a qualified test method for determining the fuel marker content of distillate fuel provided that it meets the precision and accuracy criteria under paragraph (b) of this section. The qualification of a test method is limited to the single test facility that performed the testing for accuracy and precision. The individual facility must submit the accuracy and precision results for each method, including information on the date and time of each test measurement used to demonstrate precision, following procedures established by the Administrator.

(2) *Qualification of test methods that have not been approved by a voluntary consensus-based standards body.* A test method that has not been approved by a voluntary consensus-based standards body may be qualified upon approval by the Administrator. The following information must be submitted in the application for approval by each test facility, for each test method that it wishes to have approved:

(i) Full test method documentation, including a description of the technology and/or instrumentation that makes the method functional.

(ii) Information demonstrating that the test method meets the accuracy and precision criteria under paragraph (b) of this section, including information on the date and time of each test measurement used to demonstrate precision.

(iii) Samples used for precision and accuracy determination must be retained for 90 days.

(iv) If requested by the Administrator, test results utilizing the method and performed on a sample of commercially available distillate fuel which meets the applicable industry consensus and federal regulatory specifications and which contains the fuel marker.

(v) Any additional information requested by the Administrator and necessary to render a decision as to qualification of the test method.

(vi) The qualification of a test method is limited to the single test facility that performed the testing for accuracy and precision and any other required testing.

(3)(i) Within 90 days of receipt of all materials required to be submitted under paragraph (c)(1) or (c)(2) of this section, the Administrator shall determine whether to qualify the test method under this section. The Administrator shall qualify the test method if all materials required under this section are received and the test method meets the accuracy and precision criteria of paragraph (b) of this section.

(ii) If the Administrator denies approval of the test method, within 90 days of receipt of all materials required to be submitted under this section, the Administrator will notify the applicant of the reasons for not approving the method. If the Administrator does not notify the applicant within 90 days of receipt of the application, that the test method is not approved, then the test method shall be deemed approved.

(iii) If the Administrator finds that an individual test facility has provided false or inaccurate information under this section, upon notice from the Administrator, the qualification shall be void *ab initio.*

(iv) The qualification of any test method under this paragraph (c) shall be valid for the duration of the period during which the fuel marker requirements remain applicable under this subpart.

(d) *Quality control procedures for fuel marker measurement instrumentation.* A test shall not be considered a test using a qualified test method unless the following quality control procedures are performed separately for each instrument used to make measurements:

(1) Follow all mandatory provisions of ASTM D 6299–02 and construct control charts from the mandatory quality control testing prescribed in paragraph 7.1 of the reference method, following guidelines under A 1.5.1 for individual observation charts and A 1.5.2 for moving range charts. The Director of the Federal Register approved the incorporation by reference of ASTM D 6299–02, Standard Practice for Applying Statistical Quality Assurance Techniques to Evaluate Analytical Measurement System Performance, as prescribed in 5 U.S.C. 552(a) and 1 CFR part 51. Anyone may purchase copies of this standard from the American Society for Testing and Materials, 100 Barr Harbor Dr., West Conshohocken, PA 19428. Anyone may inspect copies at the U.S. EPA, Air and Radiation Docket and Information Center, 1301 Constitution Ave., NW., Room B102, EPA West Building, Washington, DC 20460 or at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202–741–6030, or go to: *http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html.*

(2) Follow paragraph 7.3.1 of ASTM D 6299–02 to check standards using a reference material at least monthly or following any major change to the laboratory equipment or test procedure. Any deviation from the accepted reference value of a check standard greater than 0.10 milligrams per liter must be investigated.

(3) Samples of tested batches must be retained for 30 days or the period equal to the interval between quality control sample tests, whichever is longer.

(4) Upon discovery of any quality control testing violation of paragraph A 1.5.1.3 or A 1.5.2.1 of ASTM D 6299–02, or any check standard deviation greater than 0.10 milligrams per liter, conduct an investigation into the cause of such violation or deviation and, after restoring method performance to statistical control, retest retained samples from batches originally tested since the last satisfactory quality control material or check standard testing occasion.

(5) Retain results of quality control testing and retesting of retained samples under paragraph (d)(3) of this section for five years.

[69 FR 39185, June 29, 2004]

§ 80.583 WHAT ALTERNATIVE SAMPLING AND TESTING REQUIREMENTS APPLY TO IMPORTERS WHO TRANSPORT MOTOR VEHICLE DIESEL FUEL OR NRLM DIESEL FUEL BY TRUCK OR RAIL CAR?

Importers who import diesel fuel subject to the 15 ppm sulfur standard under §80.510(b) or (c) or 80.520(a) into the United States by truck or by rail car may comply with the following requirements instead of the requirements to sample and test each batch of fuel designated as subject to the 15 ppm sulfur standard under §80.581 otherwise applicable to importers:

(a) *Terminal testing.* For purposes of determining compliance with the 15 ppm sulfur standard, the importer may use test results for sulfur content testing conducted by the foreign truck-loading or rail car-loading terminal operator for diesel fuel contained in the storage tank from which trucks or rail cars used to transport diesel fuel designated as subject to the 15 ppm sulfur content standard into the United States are loaded, provided the following conditions are met:

(1) The sampling and testing shall be performed after each receipt of diesel fuel into the storage tank, or immediately before each transfer of diesel fuel to the importer's truck or rail car.

(2) The sampling and testing shall be performed according to §80.580.

(3) At the time of each transfer of diesel fuel to the importer's truck or rail car for import to the U.S., the importer must obtain a copy of the terminal test result that indicates the sulfur content of the truck or rail car load, or truck or rail car compartment load, as applicable.

(b) *Quality assurance program.* The importer must conduct a quality assurance program, as specified in this paragraph (b), for each truck or rail car loading terminal.

(1) Quality assurance samples must be obtained from the truck-loading or rail car loading terminal and tested by the importer, or by an independent laboratory, and the terminal operator must not know in advance when samples are to be collected.

(2) The sampling and testing must be performed using the methods specified in §80.580.

(3) The frequency of the quality assurance sampling and testing must be at least one sample for each 50 of an importer's trucks or rail cars that are loaded at a terminal, or one sample per month, whichever is more frequent.

(c) *Party required to conduct quality assurance testing.* The quality assurance program under paragraph (b) of this section shall be conducted by the importer. In the alternative, this testing may be conducted by an independent laboratory that meets the criteria under §80.65(f)(2)(iii), provided the importer receives copies of all results of tests conducted no later than 21 days after the sample was taken.

(d) *Alternative batch designations.* For purposes of maintaining batch records under §§80.592, 80.600, and 80.602, designation of batches under §80.598, and reporting under §§80.593, 80.601, and 80.604:

(1) In lieu of treating each portion of a tank truck compartment delivered to a different facility as a different batch, a truck importer may treat each compartment as a batch, if all the fuel in the compartment is delivered only to retail outlets, wholesale purchaser-consumers or other end users. Where different compartments contain homogeneous product of identical designations, the total volume of those compartments may be treated as a single batch, if the entire volume is delivered only to retail outlets, wholesale purchaser-consumers or other ultimate consumers.

(2) Each portion of a rail car (or rail cars) delivery of a different designation or each delivery to a different facility is considered to be a separate batch.

(e) *EPA inspections of terminals.* EPA inspectors or auditors must be given full and immediate access to the truck or rail car-loading terminal and any laboratory at which samples of diesel fuel collected at the terminal are analyzed, and must be allowed to conduct inspections, review records, collect diesel fuel samples and perform audits. These inspections or audits may be either announced or unannounced.

(f) *Certified DFR-Diesel.* This section does not apply to Certified DFR-Diesel as defined in §80.620.

(g) *Effect of noncompliance.* If any of the requirements of this section are not met, all motor vehicle diesel fuel and NRLM diesel fuel imported by the truck or rail car importer during the time the requirements are not met is deemed in violation of the 15 ppm sulfur diesel fuel standards in §80.510(b) or (c) or §80.520(a), as applicable. Additionally, if any requirement is not met, EPA may notify the importer of the violation, and, if the requirement is not fulfilled within 10 days of notification, the truck importer may not in the future use the sampling and testing provisions in this section in lieu of the provisions in §80.581.

[69 FR 39186, June 29, 2004]

§ 80.584 WHAT ARE THE PRECISION AND ACCURACY CRITERIA FOR APPROVAL OF TEST METHODS FOR DETERMINING THE SULFUR CONTENT OF MOTOR VEHICLE AND NRLM DIESEL FUEL?

(a) *Precision.* (1) For motor vehicle diesel fuel and diesel fuel additives subject to the 15 ppm sulfur standard of §80.520(a)(1) and NRLM diesel fuel and diesel fuel additives subject to the 15 ppm sulfur standard of §80.510(b) and (c), a standard deviation less than 0.72 ppm, computed from the results of a minimum of 20 repeat tests made over 20 days on samples taken from a single homogeneous commercially available diesel fuel with a sulfur content in the range of 5–15 ppm. The 20 results must be a series of tests with a sequential record of the analyses and no omissions. A laboratory facility may exclude a given sample or test result only if the exclusion is for a valid reason under good laboratory practices and it maintains records regarding the sample and test results and the reason for excluding them.

(2) For motor vehicle diesel fuel subject to the 500 ppm sulfur standard of §80.520(c), and for NRLM diesel fuel subject to the 500 ppm sulfur standard of §80.510(a), of a standard deviation less than 9.68 ppm, computed from the results of a minimum of 20 repeat tests made over 20 days on samples taken from a single homogeneous commercially available diesel fuel with a sulfur content in the range of 200–500 ppm. The 20 results must be a series of tests with a sequential record of the analyses and no omissions. A laboratory facility may exclude a given sample or test result only if the exclusion is for a valid reason under good laboratory practices and it maintains records regarding the sample and test results and the reason for excluding them.

(b) *Accuracy.* (1) For motor vehicle diesel fuel and diesel fuel additives subject to the 15 ppm sulfur standard of §80.520(a)(1) and NRLM diesel fuel and diesel fuel additives subject to the 15 ppm sulfur standard of §80.510(b) and (c):

(i) The arithmetic average of a continuous series of at least 10 tests performed on a commercially available gravimetric sulfur standard in the range of 1–10 ppm sulfur shall not differ from the accepted reference value (ARV) of that standard by more than 0.54 ppm sulfur;

(ii) The arithmetic average of a continuous series of at least 10 tests performed on a commercially available gravimetric sulfur standard in the range of 10–20 ppm sulfur shall not differ from the ARV of that standard by more than 0.54 ppm sulfur; and

(iii) In applying the tests of paragraphs (b)(1)(i) and (ii) of this section, individual test results shall be compensated for any known chemical interferences.

(2) For motor vehicle diesel fuel subject to the 500 ppm sulfur standard of §80.520(c), and for NRLM diesel fuel subject to the 500 ppm sulfur standard of

§80.510(a):

(i) The arithmetic average of a continuous series of at least 10 tests performed on a commercially available gravimetric sulfur standard in the range of 100–200 ppm sulfur shall not differ from the ARV of that standard by more than 7.26 ppm sulfur;

(ii) The arithmetic average of a continuous series of at least 10 tests performed on a commercially available gravimetric sulfur standard in the range of 400–500 ppm sulfur shall not differ from the ARV of that standard by more than 7.26 ppm sulfur; and

(iii) In applying the tests of paragraphs (b)(2)(i) and (ii) of this section, individual test results shall be compensated for any known chemical interferences.

[69 FR 39187, June 29, 2004]

§ 80.585 WHAT IS THE PROCESS FOR APPROVAL OF A TEST METHOD FOR DETERMINING THE SULFUR CONTENT OF DIESEL?

(a) *Approval of test methods approved by voluntary consensus-based standards bodies.* For such a method to be approved, the following information must be submitted to the Administrator by each test facility for each test method that it wishes to have approved: Any test method approved by a voluntary consensus-based standards body, such as the American Society for Testing and Materials (ASTM) or International Standards Organization (ISO), shall be approved as a test method for determining the sulfur content of diesel fuel if it meets the applicable accuracy and precision criteria under §80.584. The approval of a test method is limited to the single test facility that performed the testing for accuracy and precision. The individual facility must submit the accuracy and precision results for each method, including information on the date and time of each test measurement used to demonstrate precision, following procedures established by the Administrator.

(b) *Approval of test methods not approved by a voluntary consensus-based standards body.* For such a method to be approved, the following information must be submitted to the Administrator by each test facility for each test method that it wishes to have approved:

(1) Full test method documentation, including a description of the technology and/or instrumentation that makes the method functional.

(2) Information demonstrating that the test method meets the applicable accuracy and precision criteria of §80.584, including information on the date and time of each test measurement used to demonstrate precision.

(3) If requested by the Administrator, test results from use of the method to analyze samples of commercially available fuel provided by EPA.

(4) Any additional information requested by the Administrator and necessary to render a decision as to approval of the test method.

(c) *Sample retention.* Samples used for precision and accuracy determination must be retained for 90 days.

(d) *EPA approval.* (1) Within 90 days of receipt of all materials required to be submitted under paragraph (a) or (b) of this section, the Administrator shall determine whether the test method is approved under this section.

(2) If the Administrator denies approval of the test method, within 90 days of receipt of all materials required to be submitted under paragraph (a) or (b) of this section, the Administrator will notify the applicant of the reasons for not approving the method. If the Administrator does not notify the applicant within 90 days of receipt of the application, that the test method is not approved, then the test method shall be deemed approved.

(3) If the Administrator finds that an individual test facility has provided false or inaccurate information under this section, upon notice from the Administrator the approval shall be void *ab initio.*

(4) The approval of any test method under paragraph (b) of this section shall be valid for five years from the date of approval by the Administrator and shall not be extended. If the method is later approved by a voluntary consensus-based standards body, the approval shall remain valid as long as the conditions of paragraph (a) of this section are met.

(e) *Quality assurance procedures for sulfur measurement instrumentation.* A test shall not be considered a test using an approved test method unless the following quality control procedures are performed separately for each instrument used to make measurements:

(1) Follow all mandatory provisions of ASTM D 6299–02 and construct control charts from the mandatory quality control testing prescribed in paragraph 7.1 of the reference method, following guidelines under A 1.5.1 for individual observation charts and A 1.5.2 for moving range charts. The Director of the Federal Register approved the incorporation by reference of ASTM D 6299–02, Standard Practice for Applying Statistical Quality Assurance Techniques to Evaluate Analytical Measurement System Performance, as prescribed in 5 U.S.C. 552(a) and 1 CFR part 51. Anyone may purchase copies of this standard from the American Society for Testing and Materials, 100 Barr Harbor Dr., West Conshohocken, PA 19428. Anyone may inspect copies at the U.S. EPA, Air and Radiation Docket and Information Center, 1301 Constitution Ave., NW., Room B102, EPA West Building, Washington, DC 20460 or at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202–741–6030, or go to: *http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html.*

(2) Follow paragraph 7.3.1 of ASTM D 6299–02 to check standards using a reference material at least monthly or following any major change to the laboratory equipment or test procedure. Any deviation from the accepted reference value of a check standard greater than 1.44 ppm (for diesel fuel subject to the 15 ppm sulfur standard) or 19.36 ppm (for diesel fuel subject to the 500 ppm sulfur standard) must be investigated.

(3) Samples of tested batches must be retained for 30 days or the period equal to the interval between quality control sample tests, whichever is longer.

(4) Upon discovery of any quality control testing violation of paragraph A 1.5.1.3 or A 1.5.2.1 of ASTM D 6299–02, or any check standard deviation greater than 1.44 ppm (for diesel fuel subject to the 15 ppm sulfur standard) or 19.36 ppm (for diesel fuel subject to the 500 ppm sulfur standard), conduct an investigation into the cause of such violation or deviation and, after restoring method performance to statistical control, retest retained samples from batches originally tested since the last satisfactory quality control material or check standard testing occasion.

[69 FR 39187, June 29, 2004]

§ 80.586 WHAT ARE THE RECORD RETENTION REQUIREMENTS FOR TEST METHODS APPROVED UNDER THIS SUBPART?

Each individual test facility must retain records related to the establishment of accuracy and precision values, all test method documentation, and any quality control testing and analysis under §§80.582, 80.584 and 80.585, for five years.

[69 FR 39188, June 29, 2004]

§§ 80.587-80.589 [RESERVED]

RECORDKEEPING AND REPORTING REQUIREMENTS

§ 80.590 WHAT ARE THE PRODUCT TRANSFER DOCUMENT REQUIREMENTS FOR MOTOR VEHICLE DIESEL FUEL, NRLM DIESEL FUEL, HEATING OIL AND OTHER DISTILLATES?

(a) On each occasion that any person transfers custody or title to MVNRLM diesel fuel or heating oil, including distillates used or intended to be used as MVNRLM diesel fuel or heating oil, except when such fuel is dispensed into motor vehicles or nonroad, locomotive, or marine equipment, the transferor must provide to the transferee documents which include the following information:

(1) The names and addresses of the transferor and transferee.

(2) The volume of diesel fuel or distillate which is being transferred.

(3) The location of the diesel fuel or distillate at the time of the transfer.

(4) The date of the transfer.

(5) For transfers of MVNRLM diesel fuel, the sulfur content standard the transferor represents the fuel to meet.

(6) Beginning June 1, 2006, when an entity transfers custody of a distillate fuel designated under §80.598, the following information must also be included:

(i) The facility registration number of the transferor and transferee, for terminals and all parties upstream, under §80.597, if any.

(ii) An accurate and clear statement of the applicable designation and/or classification under §80.598, for example, 500 ppm sulfur NRLM diesel fuel; and whether the fuel is dyed or undyed, and for heating oil, whether marked or unmarked.

(7) For transfers of title or custody from one facility to another in the distribution system where diesel fuel or distillates are taxed, dyed or marked, and for any subsequent transfers (except when such fuel is dispensed into motor vehicles or nonroad, locomotive, or marine equipment), an accurate statement on the product transfer document of the applicable fuel uses and classifications, as follows (however, in instances where space is constrained, substantially similar language may be used following approval from EPA):

(i) *Undyed 15 ppm sulfur diesel fuel.* For the period from June 1, 2006 and beyond, “15 ppm sulfur (maximum) Undyed Ultra-Low Sulfur Diesel Fuel. For use in all diesel vehicles and engines.” From June 1, 2006 through May 31, 2010, the product transfer document must also state whether the diesel fuel is #1D or #2D, or NP diesel.

(ii) *Dyed 15 ppm sulfur diesel fuel.* From June 1, 2006 and beyond, “15 ppm sulfur (maximum) Dyed Ultra-Low Sulfur Diesel Fuel. For use in all nonroad diesel engines. Not for use in highway vehicles or engines except for tax-exempt use in accordance with section 4082 of the Internal Revenue Code.”

(iii) *Undyed 500 ppm sulfur diesel fuel.* From June 1, 2006 through September 30, 2010, “500 ppm sulfur (maximum) Undyed Low Sulfur Diesel Fuel. For use in Model Year 2006 and older diesel highway vehicles and engines. Also for use in nonroad, locomotive, and marine diesel engines. Not for use in model year 2007 and newer highway vehicles or engines.”

(iv) *Dyed 500 ppm sulfur diesel fuel.* (A) For the period of June 1, 2006 through September 30, 2010, “500 ppm sulfur (maximum) Dyed Low Sulfur Nonroad, Locomotive or Marine Diesel Fuel. Not for use in highway vehicles or engines except for use in Model Year 2006 and older highway diesel vehicles or engines for tax-exempt use in accordance with section 4082 of the Internal Revenue Code.”

(B) From June 1, 2010 through September 30, 2014, “500 ppm sulfur (maximum) Dyed Low Sulfur Nonroad Diesel Fuel. For use in model year 2010 and older nonroad diesel engines. May be used in locomotive and marine diesel engines. Not for use in highway vehicles and engines or model year 2011 or later nonroad engines other than locomotive or marine diesel engines. Not for use in the Northeast/Mid-Atlantic Area.”

(C) For dyed locomotive and marine diesel fuel beginning June 1, 2010, “500 ppm sulfur (maximum) Dyed Low Sulfur Locomotive and Marine diesel fuel. Not for use in highway or other nonroad vehicles and engines.”

(v) *Dyed High Sulfur NRLM Fuel.* From June 1, 2007 through September 30, 2010, "High Sulfur Dyed Nonroad, Locomotive, or Marine Engine Diesel fuel—sulfur content may exceed 500 ppm sulfur. Not for use in highway vehicles or engines. Not for use in any nonroad engines requiring Ultra-Low Sulfur Diesel Fuel. Not for use in the Northeast/Mid-Atlantic Area."

(vi) *Heating oil.* For heating oil produced or imported beginning June 1, 2007, "Heating Oil. Not for use in highway vehicles or engines or nonroad, locomotive, or marine engines."

(b) The following may be substituted for the descriptions in paragraph (a) of this section, as appropriate:

(1) "This is high sulfur diesel fuel for use only in Guam, American Samoa, or the Northern Mariana Islands.";

(2) "This diesel fuel is for export use only.";

(3) "This diesel fuel is for research, development, or testing purposes only."; or

(4) "This diesel fuel is for use in diesel highway vehicles or nonroad equipment under an EPA-approved national security exemption only."

(c) If undyed and/or unmarked distillate fuel is dyed and/or marked subsequent to the issuance of a product transfer document, at the time the distillate fuel is dyed and/or marked, a new product transfer document must be prepared with the language under paragraph (a)(7) of this section applicable to the changed fuel and provided to subsequent transferees.

(d) Except for transfers to truck carriers, retailers or wholesale purchaser-consumers, product codes may be used to convey the information required under this section if such codes are clearly understood by each transferee. "15", "500", or "greater than 500" or ">500" must appear clearly on the product transfer document, and may be contained in the product code. If the designation is included in the code: codes used to convey the statement in paragraphs (a)(7)(i) and (a)(7)(ii) of this section must contain the number "15", codes used to convey the statement in paragraphs (a)(7)(iii) and (a)(7)(iv) of this section must contain the number "500"; codes used to convey the statement in paragraph (a)(7)(v) of this section must contain the statement "greater than 500" or ">500". If another letter, number, or symbol is being used to convey any of the statements in paragraphs (a)(7)(i), (a)(7)(ii), (a)(7)(iii), (a)(7)(iv), and/or (a)(7)(v) of this section, it must be clearly defined and denoted on the product transfer document.

(e) From June 1, 2001 through May 31, 2005, any transfer subject to this section, which is also subject to the early credit provisions of §80.531(b), must comply with all applicable requirements of this section.

(f) From June 1, 2005 through May 31, 2006, any transfer subject to this section, which is also subject to the early credit requirements of §80.531(c), must comply with all applicable requirements of this section.

(g) *Mobile refuelers.* The provisions of this section shall also apply to a mobile refueler that dispenses fuel from tanker trucks or other vessels into motor vehicles, nonroad diesel engines or nonroad diesel engine equipment. Each visit by the mobile refueler to a location shall be considered a separate occasion for purposes of paragraph (a) of this section. The tank trucks used by mobile refuelers are not subject to the labeling requirements in §§80.570 through 80.574.

(h) Identifications of fuel designations can be limited to a sub-designation that accurately identifies the fuel and do not need to also include the broader designation. For example, NR diesel fuel does not also need to be designated as NRLM or MVNRLM diesel fuel.

(i) *Pipeline Ticketing.* For the case where a pipeline delivers a batch of ULSD to another facility that contains slight amounts of another type of fuel from a preceding or following batch, a clear statement must be included on the PTD denoting this. When this occurs, the receiving facility must handle the fuel appropriately (*e.g.,* redesignate or downgrade any amount of fuel in that batch that does not meet the applicable sulfur standard), in accordance with the provisions of §§80.527 and 80.599.

[69 FR 39188, June 29, 2004, as amended at 70 FR 40896, July 15, 2005; 70 FR 70510, Nov. 22, 2005, as amended at 71 FR 25719, May 1, 2006]

§ 80.591 WHAT ARE THE PRODUCT TRANSFER DOCUMENT REQUIREMENTS FOR ADDITIVES TO BE USED IN DIESEL FUEL?

(a) Except as provided in paragraphs (b) and (d) of this section, on each occasion that any person transfers custody or title to a diesel fuel additive that is subject to the provisions of §80.521 to a party in the additive distribution system or in the diesel fuel distribution system for use downstream of the diesel fuel refiner, the transferor must provide to the transferee documents which identify the additive, and—

(1) Identify the name and address of the transferor and transferee; the date of transfer; the location at which the transfer took place; the volume of additive transferred; and

(2) Indicate compliance with the 15 ppm sulfur standard by inclusion of the following statement: "The sulfur content of this diesel fuel additive does not exceed 15 ppm."

(b) On each occasion that any person transfers custody or title to a diesel fuel additive subject to the requirements of §80.521(b), to a party in the additive distribution system or in the diesel fuel distribution system for use in diesel fuel downstream of the diesel fuel refiner, the transferor must provide to the transferee documents which identify the additive, and do each of the following:

(1) Identify the name and address of the transferor and transferee; the date of transfer; the location at which the transfer took place; the volume of additive

transferred.

(2) Indicate the high sulfur potential of the additive by inclusion of the following statement:

This diesel fuel additive may exceed the federal 15 ppm sulfur standard. Improper use of this additive may result in non-complying diesel fuel.

(3) If the additive package contains a static dissipater additive and/or red dye having a sulfur content greater than 15 ppm, a statement must be included which accurately describes the contents of the additive package pursuant to one of the following choices:

(i) "This diesel fuel additive contains a static dissipater additive having a sulfur content greater than 15 ppm."

(ii) "This diesel fuel additive contains red dye having a sulfur content greater than 15 ppm."

(iii) "This diesel fuel additive contains a static dissipater additive and red dye having a sulfur content greater than 15 ppm."

(4) Include the following information:

(i) The additive package's maximum sulfur concentration.

(ii) The maximum recommended concentration in volume percent for use of the additive package in diesel fuel.

(iii) The contribution to the sulfur level of the fuel, in ppm, that would result if the additive package is used at the maximum recommended concentration.

(c) Except for transfers of diesel fuel additives to truck carriers, retailers or wholesale purchaser-consumers, product codes may be used to convey the information required under paragraphs (a) and (b) of this section, if such codes are clearly understood by each transferee. Codes used to convey the statement in paragraph (a)(2) of this section must contain the number "15" and codes used to convey the statement in paragraph (b)(2) of this section must not contain such number.

(d) For those diesel fuel additives which are sold in containers for use by the ultimate consumer of diesel fuel, each transferor must have displayed on the additive container, in a legible and conspicuous manner, either of the following statements, as applicable:

(1) "This diesel fuel additive complies with the federal low sulfur content requirements for use in diesel motor vehicles and nonroad engines."; or

(2) For those additives sold in containers for use by the ultimate consumer, with a sulfur content in excess of 15 ppm the following statement: "This diesel fuel additive does not comply with federal ultra-low sulfur content requirements for use in model year 2007 and newer diesel motor vehicles or model year 2011 and newer diesel nonroad equipment engines."

[69 FR 39189, June 29, 2004, as amended at 70 FR 40896, July 15, 2005; 71 FR 25719, May 1, 2006]

§ 80.592 WHAT RECORDS MUST BE KEPT BY ENTITIES IN THE MOTOR VEHICLE DIESEL FUEL AND DIESEL FUEL ADDITIVE DISTRIBUTION SYSTEMS?

(a) *Records that must be kept by entities in the motor vehicle diesel fuel and diesel fuel additive distribution systems.* Beginning June 1, 2006, or for a refiner or importer, the first compliance period in which the refiner or importer is generating early credits under §80.531(b) or (c), whichever is earlier, any person who produces, imports, sells, offers for sale, dispenses, distributes, supplies, offers for supply, stores, or transports motor vehicle diesel fuel subject to the provisions of this subpart, must keep all the following records:

(1) The applicable product transfer documents required under §§80.590 and 80.591.

(2) For any sampling and testing for sulfur content for a batch of motor vehicle diesel fuel produced or imported and subject to the 15 ppm sulfur standard or any sampling and testing for sulfur content as part of a quality assurance testing program, and any sampling and testing for cetane index, aromatics content, solvent yellow 124 content or dye solvent red 164 content of motor vehicle diesel fuel or motor vehicle diesel fuel additives:

(i) The location, date, time and storage tank or truck identification for each sample collected;

(ii) The name and title of the person who collected the sample and the person who performed the testing; and

(iii) The results of the tests for sulfur content (including, where applicable, the test results with and without application of the adjustment factor under §80.580(d)) and for cetane index or aromatics content (as applicable), and the volume of product in the storage tank or container from which the sample was taken.

(3) The actions the party has taken, if any, to stop the sale or distribution of any motor vehicle diesel fuel found not to be in compliance with the sulfur standards specified in this subpart, and the actions the party has taken, if any, to identify the cause of any noncompliance and prevent future instances of noncompliance.

(b) *Additional records to be kept by refiners and importers of motor vehicle diesel fuel subject to hardship standards, small refiner standards and early*

credit provisions. Beginning June 1, 2006, or for a refiner or importer, the first compliance period in which the refiner or importer is generating early credits under §80.531(b) or (c), any refiner producing motor vehicle diesel fuel subject to the sulfur standard under §80.520(a)(1), for each of its refineries, and any importer importing such motor vehicle diesel fuel, shall keep records that include the following information for each batch of motor vehicle diesel fuel produced or imported:

(1) The batch volume.

(2) The batch number, assigned under the batch numbering procedures under §80.65(d)(3).

(3) The date of production or import.

(4) A record designating the batch as motor vehicle diesel fuel meeting the 500 ppm sulfur standard or as motor vehicle diesel fuel meeting the 15 ppm sulfur standard.

(5) For foreign refiners, the designations and other records required to be kept under §80.620.

(6) In the case of importers, the designations and other records required under §80.620(o).

(7) Information regarding credits, kept separately for each calendar year compliance period, kept separately for each refinery and in the case of importers, kept separately for imports into each CTA, and designated as motor vehicle diesel fuel credits and kept separately from NRLM credits, as follows:

(i) The number of credits in the refiner's or importer's possession at the beginning of the calendar year;

(ii) The number of credits generated;

(iii) The number of credits used;

(iv) If any were obtained from or transferred to other parties, for each such other party, its name, its EPA refiner or importer registration number consistent with §80.593(d), in the case of credits generated by an importer the port and CTA of import of the diesel fuel that generated the credits, and the number obtained from, or transferred to, the other party;

(v) The number in the refiner's or importer's possession that will carry over into the subsequent calendar year compliance period; and

(vi) Commercial documents that establish each transfer of credits from the transferor to the transferee.

(8) The calculations used to determine compliance with the volume requirements of this subpart.

(9) The calculations used to determine the number of credits generated.

(10) A copy of reports submitted to EPA under §80.593.

(c) *Additional records importers must keep.* Any importer shall keep records that identify and verify the source of each batch of certified diesel fuel program foreign refiner DFR-Diesel and non-certified DFR-Diesel imported and demonstrate compliance with the requirements under §80.620.

(d) *Length of time records must be kept.* The records required in this section shall be kept for five years from the date they were created, except that records relating to credit transfers shall be kept by the transferor for 5 years from the date the credits were transferred, and shall be kept by the transferee for 5 years from the date the credits were transferred, used or terminated, whichever is later.

(e) *Make records available to EPA.* On request by EPA, the records required in this section must be made available to the Administrator or the Administrator's representative. For records that are electronically generated or maintained, the equipment and software necessary to read the records shall be made available, or if requested by EPA, electronic records shall be converted to paper documents which shall be provided to the Administrator's authorized representative.

(f) *Additional records to be kept by aggregated facilities consisting of a refinery and a truck loading terminal.* In addition to the records required by paragraph (a) of this section, such aggregated facilities must also keep the following records beginning June 1, 2006:

(1) The following information for each batch of motor vehicle diesel fuel produced by the refinery and sent over the aggregated facility's truck rack:

(i) The batch volume;

(ii) The batch number, assigned under the batch numbering procedures under §§80.65(d)(3) and 80.502(d)(1);

(iii) The date of receipt or import;

(iv) A record designating the batch as motor vehicle diesel fuel meeting the 500 ppm sulfur standard or as motor vehicle diesel fuel meeting the 15 ppm sulfur standard; and,

(v) A record indicating the volumes that were either taxed, dyed, or dyed and marked.

(2) Volume reports for all motor vehicle diesel fuel from external sources (*i.e.,* from another refiner or importer), as described in §80.601(f)(2), sent over the aggregated facility's truck rack.

[66 FR 5136, Jan. 18, 2001, as amended at 69 FR 39189, June 29, 2004; 70 FR 70510, Nov. 22, 2005; 71 FR 25719, May 1, 2006]

§ 80.593 WHAT ARE THE REPORTING REQUIREMENTS FOR REFINERS AND IMPORTERS OF MOTOR VEHICLE DIESEL FUEL SUBJECT TO TEMPORARY REFINER RELIEF STANDARDS?

Beginning with 2006, or the first compliance period during which credits are generated under §80.531(b) or (c), whichever is earlier, any refiner or importer who produces or imports motor vehicle diesel fuel subject to the 500 ppm sulfur standard under §80.520(c), or any refiner or importer who generates, uses, obtains or transfers credits under §§80.530 through 80.532, and continuing for each year thereafter, must submit to EPA annual reports that contain the information required in this section, and such other information as EPA may require:

(a) *Refiners and importers.* Refiners and importers must report the following information separately for each refinery or CTA, in the case of importers, subject to a phase-in sulfur standard, small refiner standard or temporary refiner relief sulfur standard, or who generates, uses or transfers credits under §§80.530 through 80.532:

(1) The refiner's name and the EPA refinery registration number.

(2) For all motor vehicle diesel fuel produced for use in the United States during the compliance period:

(i) The total volume of motor vehicle diesel fuel produced;

(ii) The volume, in gallons, that complied with a sulfur content standard of 500 ppm; and

(iii) The volume, in gallons, that complied with the 15 ppm sulfur content standard.

(3) The percentage of the volume of motor vehicle diesel fuel produced during the compliance period that met the 15 ppm sulfur standard and the percentage that met the 500 ppm sulfur standard prior to the application of any volume credits.

(4) The percentage of volume of motor vehicle diesel fuel produced meeting the 15 ppm sulfur standard after the inclusion of any credits.

(5) Information regarding credits, separately for each refinery and for credits or debits related to imported motor diesel fuel, separately by importer and separately by CTA of import as follows:

(i) The CTA of the refiner's refinery or the importer's or the foreign refiner's CTA and port of importation;

(ii) The number of credits at the beginning of the compliance period;

(iii) The number of credits generated;

(iv) The number of credits used;

(v) If any credits were obtained from or transferred to other refineries or import ports, for each other refinery or importer, its name, address (or Port) and CTA, EPA refinery or importer registration number, and the number of credits obtained from or transferred to the other refinery or importer (by import CTA);

(vi) The number of credits, if any, that will carry over to the subsequent compliance period; and

(vii) The number of credits in deficit that must be made up for the following year;

(6) The reporting requirements under §80.620, if applicable.

(7) For each batch of motor vehicle diesel fuel produced or imported during the compliance period:

(i) The batch number assigned using the batch numbering conventions under §80.65(d)(3) and the appropriate designation under §80.598.

(ii) The date the batch was produced; and

(iii) The volume of the batch, in gallons.

(8) When submitting reports under this paragraph (a), any importer shall exclude certified DFR-Diesel.

(b) *Additional reporting requirements for importers.* Importers of motor vehicle diesel fuel subject to the 500 ppm sulfur standard must report the following

information:

(1) The importer's name and EPA registration number.

(2) For each foreign refinery from which motor vehicle diesel fuel is imported that is subject to a sulfur standard under §80.520(c), the importer must report, for each batch of diesel fuel imported, the information required to be reported under §80.620(o).

(c) *Report submission.* Any annual report required by this section shall be:

(1) Signed and certified as meeting all the applicable requirements of this subpart by the owner or a responsible corporate officer of the refiner or importer; and

(2) Submitted to EPA no later than August 31 for the prior annual compliance period.

[66 FR 5136, Jan. 18, 2001, as amended at 69 FR 39190, June 29, 2004; 70 FR 70510, Nov. 22, 2005]

§ 80.594 WHAT ARE THE PRE-COMPLIANCE REPORTING REQUIREMENTS FOR MOTOR VEHICLE DIESEL FUEL?

(a) Except as provided in paragraph (d) of this section, beginning on June 1, 2003, and on June 1, 2004 and June 1, 2005, all refiners and importers planning to produce or import motor vehicle diesel fuel subject to the provisions of this subpart, shall submit the following information to EPA:

(1) Any changes to the information submitted for the company registration;

(2) Any changes to the information submitted for any refinery or import facility registration;

(3) An estimate of the average daily volumes (in gallons) of each sulfur grade of motor vehicle diesel fuel produced (or imported) at each refinery (or import facility). These volume estimates must be provided both for fuel produced from crude oil, as well as any fuel produced from other sources, and must be provided for the periods of June 1, 2006 through December 31, 2006, January 1, 2007 through December 31, 2007, January 1, 2008 through December 31, 2008, January 1, 2009 through December 31, 2009, and January 1, 2010 through May 31, 2010, for each refinery and import facility;

(4) If expecting to participate in the temporary compliance options provisions and the credit trading program, estimates of the number of credits to be generated and/or used each year the program is applicable;

(5) Information on project schedule by quarter of known or projected completion date by the stage of the project, for example, following the five project phases described in EPA's June 2002 Highway Diesel Progress Review report (EPA420–R–02–016, *http://www.epa.gov/otaq/regs/hd2007/420r02016.pdf*): Strategic planning, Planning and front-end engineering, Detailed engineering and permitting, Procurement and construction, and Commissioning and startup;

(6) Basic information regarding the selected technology pathway for compliance (*e.g.* , conventional hydro treating vs. other technologies, revamp vs. grassroots, etc.);

(7) Whether capital commitments have been made or are projected to be made; and

(8) The pre-compliance reports due 2004 and 2005 must provide an update of the progress in each of these areas.

(b) Beginning on June 1, 2003, all approved motor vehicle diesel fuel small refiners shall submit the following additional information to EPA, as applicable:

(1) In the case of a refinery with an approved application under §80.552(a):

(i) A showing that sufficient sources of 15 ppm motor vehicle diesel fuel will likely be available in its marketing area after June 1, 2006 and through 2010;

(ii) If after 2003 the sources of 15 ppm motor vehicle diesel fuel decrease, the pre-compliance reports for 2004 and/or 2005 must identify this change and must include a supplementary showing that the sources of 15 ppm motor vehicle diesel fuel are still sufficient.

(2) In the case of a refinery with an approved application under §80.552(c), a demonstration that by June 1, 2006, 95 percent of its motor vehicle diesel fuel will be at 15 ppm sulfur at a volume meeting the requirements of §80.553(e).

(c) For each refiner and importer approved under §80.540, a demonstration that by June 1, 2006, 95 percent of its motor vehicle diesel fuel will be at 15 ppm sulfur at a volume of meeting the requirements of §80.540(e).

(d) By July 1, 2006, each refiner and importer of motor vehicle diesel fuel shall submit a report to EPA stating that the production or importation of 15 ppm sulfur motor vehicle diesel fuel commenced by June 1, 2006.

(e) The pre-compliance reporting requirements of this section do not apply to refineries subject to the provisions of §80.513.

[66 FR 5136, Jan. 18, 2001, as amended at 69 FR 39190, June 29, 2004; 70 FR 40896, July 15, 2005]

§ 80.595 HOW DOES A SMALL OR GPA REFINER APPLY FOR A MOTOR VEHICLE DIESEL FUEL VOLUME BASELINE FOR THE PURPOSE OF EXTENDING THEIR GASOLINE SULFUR STANDARDS?

(a) Any small refiner applying for an extension of the duration of its small refiner gasoline sulfur standards of §80.240, under §§80.552(c) and 80.553, any small refiner applying to produce MVDF under §80.552(a), or any refiner applying for an extension of the duration of the GPA standards under §80.540 must apply for a motor vehicle diesel fuel volume baseline by December 31, 2001. A separate volume baseline must be sought for each refinery for which application of the provisions of §80.553 or §80.540 is sought.

(b) The volume baseline must be sent via certified mail with return receipt or express mail with return receipt to: U.S. EPA-Attn: Diesel Baseline, 1200 Pennsylvania Avenue, NW. (6406J), Washington, DC 20460 (certified mail/return receipt) or Attn: Diesel Baseline, Transportation and Regional Programs Division, 501 3rd Street, NW. (6406J), Washington, DC 20001 (express mail/return receipt).

(c) The motor vehicle diesel fuel volume baseline application must include the following information:

(1) A listing of the names and addresses of all refineries owned by the refiner for which the refiner is applying for a motor vehicle diesel fuel volume baseline.

(2) The average annual volume (in gallons) of motor vehicle diesel fuel produced for U.S. use in 1998 and 1999, for each refinery for which the refiner is applying for such baseline, calculated in accordance with §80.596. The refiner shall follow the procedures, applicable to volume baselines and using motor vehicle diesel fuel instead of gasoline, specified in §§80.91 through 80.93 to establish the volume of motor vehicle diesel fuel that was produced for U.S. use in 1998 and 1999 for purposes of establishing a volume baseline under this section.

(3) A letter signed by the president, chief operating, or chief executive officer of the company, or his/her delegate, stating that the information contained in the volume baseline determination is true to the best of his/her knowledge.

(4) Name, address, phone number, facsimile number, and e-mail address (if available) of a corporate contact person.

(5) The following information for each batch of motor vehicle diesel fuel produced for U.S. use in 1998 and 1999:

(i) Batch number assigned to the batch under procedures such as those in §80.65(d) or §80.101(i), or, if unavailable, such other identifying information as is available; and

(ii) Volume of the batch, in gallons.

(6) For a refinery that was not in operation during part or all of the period 1998 and 1999, the information required under this paragraph (c) for the motor vehicle diesel fuel produced for U.S. use during the most recent calendar year that the refinery was in operation after the refinery was reactivated.

(d) Within 120 days of receipt of an application under this section, EPA will notify the refiner of an approval of the refinery's baseline, or of any deficiencies in the application.

(e) If at any time the baseline submitted in accordance with the requirements of this section is determined to be incorrect, EPA will notify the refiner of the corrected baseline. The corrected baseline shall apply to all applicable compliance calculations under this subpart.

(f)(1) If insufficient information is available for the Administrator to establish a baseline under the provisions of paragraph (c) of this section and §80.596(a), the refiner shall submit additional information sufficient for the Administrator to establish a baseline.

(2) To satisfy the requirements of paragraph (f)(1) of this section, the Administrator may require, and consider, any information pertinent to establish a baseline, including:

(i) Motor vehicle diesel fuel production volumes for other years;

(ii) Crude capacity of the refinery;

(iii) The ratio, or the typical ratio, for other similarly sized or configured refineries, between motor vehicle diesel fuel production and gasoline production.

[66 FR 5136, Jan. 18, 2001, as amended at 70 FR 40896, July 15, 2005]

§ 80.596 HOW IS A REFINERY MOTOR VEHICLE DIESEL FUEL VOLUME BASELINE CALCULATED?

(a) For purposes of this subpart, a refinery's motor vehicle diesel fuel volume baseline is calculated using the following equation:

$$V_{Base} = \frac{\sum_{i=1}^{n}(V_i)}{m/12}$$

Where:

V_{base}= Volume baseline value, in gallons.

V_i= Volume of motor vehicle diesel fuel batch i, in gallons.

n = Total number of batches of motor vehicle diesel fuel produced for U.S. use during January 1, 1998 through December 31, 1999 (or the total number of batches of motor vehicle diesel fuel produced during the most recent calendar year the refinery was in operation after being reactivated pursuant to §80.595(c)(6)); or, for a foreign refinery, the total number of batches of motor vehicle diesel fuel produced and imported into the U.S. during January 1, 1998 through December 31, 1999 (or the total number of batches of motor vehicle diesel fuel produced and imported into the U.S. during the most recent calendar year the refinery was in operation after being reactivated pursuant to §80.595(c)(6)).

i = Individual batch of motor vehicle diesel fuel produced during January 1, 1998 through December 31, 1999 (or individual batch of motor vehicle diesel fuel produced during the most recent calendar year the refinery was in operation after being reactivated pursuant to §80.595(c)(6)); or, for a foreign refinery, individual batch of motor vehicle diesel fuel produced and imported into the U.S. during January 1, 1998 through December 31, 1999 (or individual batch of motor vehicle diesel fuel produced and imported into the U.S. during the most recent calendar year the refinery was in operation after being reactivated pursuant to §80.595(c)(6)).

m = Number of months in the baseline period (24 except in the case of a startup or reactivation).

(b) If insufficient information is available for the Administrator to establish a baseline under paragraph (a) of this section, the baseline may be determined under the provisions of §80.595(f).

[66 FR 5136, Jan. 18, 2001, as amended at 70 FR 40896, July 15, 2005]

§ 80.597 WHAT ARE THE REGISTRATION REQUIREMENTS?

The following registration requirements apply under this subpart:

(a) *Registration for motor vehicle diesel fuel.* Refiners having any refinery that is subject to a sulfur standard under §80.520(a), and importers importing such diesel fuel, must provide EPA the information under §80.76, if such information has not been provided under the provisions of this part. In addition, for each import facility, the same identifying information as required for each refinery under §80.76(c) must be provided.

(b) *Registration for NRLM diesel.* Refiners and importers that intend to produce or supply NRLM diesel fuel by June 1, 2007, must provide EPA the information under §80.76 no later than December 31, 2005, if such information has not been provided under the provisions of this part. In addition, for each import facility, the same identifying information as required for each refinery under §80.76(c) must be provided.

(c) *Entity registration.* (1) Except as prescribed in paragraph (c)(5) of this section, each entity as defined in §80.502 that intends to deliver or receive custody of any of the following fuels from June 1, 2006 through May 31, 2010 must register with EPA by December 31, 2005 or six months prior to commencement of producing, importing, or distributing any distillate listed in paragraphs (c)(1)(i) through (c)(1)(iii) of this section:

(i) Fuel designated as 500 ppm sulfur MVNRLM diesel fuel under §80.598 on which taxes have not been assessed pursuant to IRS code (26 CFR part 48).

(ii) Fuel designated as 15 ppm sulfur MVNRLM diesel fuel under §80.598 on which taxes have not been assessed pursuant to IRS code (26 CFR part 48).

(iii) Fuel designated as NRLM diesel fuel under §80.598 that is undyed pursuant to §80.520.

(iv) Fuel designated as California Diesel fuel under §80.598 on which taxes have not been assessed and red dye has not been added (if required) pursuant to IRS code (26 CFR part 48) and that is delivered by pipeline to a terminal outside of the State of California pursuant to the provisions of §80.617(b).

(2) Except as prescribed in paragraph (c)(5) of this section, each entity as defined in §80.502 that intends to deliver or receive custody of any of the following fuels from June 1, 2007 through May 31, 2014 must register with EPA by December 31, 2005 or six months prior to commencement of producing, importing, or distributing any distillate listed in paragraph (c)(1) of this section:

(i) Fuel designated as 500 ppm sulfur MVNRLM diesel fuel under §80.598 on which taxes have not been assessed pursuant to IRS code (26 CFR part 48).

(ii) Fuel designated as NRLM diesel fuel under §80.598 that is undyed pursuant to §80.520.

(iii) Fuel designated as heating oil under §80.598 that is unmarked pursuant to §80.510(d) through (f).

(iv) Fuel designated as LM diesel fuel under §80.598(a)(2)(iii) that is unmarked pursuant to §80.510(e).

(3) Registration shall be on forms prescribed by the Administrator, and shall include the name, business address, contact name, telephone number, e-mail address, and type of production, importation, or distribution activity or activities engaged in by the entity.

(4) Registration shall include the information required under paragraph (d) of this section for each facility owned or operated by the entity that delivers or receives custody of a fuel described in paragraphs (c)(1) and (c)(2) of this section.

(5) *Exceptions for Excluded Liquids.* An entity that would otherwise be required to register pursuant to the requirements of paragraphs (c)(1) and (c)(2) of this section is exempted from the registration requirements under this section provided that:

(i) The only diesel fuel or heating oil that the entity delivers or receives on which taxes have not been assessed or which is not received dyed pursuant to Internal Revenue Service (IRS) code 26 CFR part 48 is an excluded liquid as defined pursuant to IRS code 26 CFR 4081–1(b).

(ii) The entity does not transfer the excluded liquid to a facility which delivers or receives diesel fuel other than an excluded liquid on which taxes have not been assessed pursuant to IRS code (26 CFR part 48).

(d) *Facility registration.* (1) List for each separate facility of an entity required to register under paragraph (c) of this section, the facility name, physical location, contact name, telephone number, e-mail address and type of facility. For facilities that are aggregated under §80.502, provide information regarding the nature and location of each of the components. If aggregation is changed for any subsequent compliance period, the entity must provide notice to EPA prior to the beginning of such compliance period.

(2) If facility records are kept off-site, list the off-site storage facility name, physical location, contact name, and telephone number.

(3) Mobile facilities:

(i) A description shall be provided in the registration detailing the types of mobile vessels that will likely be included and the nature of the operations.

(ii) Entities may combine all mobile operations into one facility; or may split the operations by vessel, region, route, waterway, etc. and register separate mobile facilities for each.

(iii) The specific vessels need not be identified in the registration, however information regarding specific vessel contracts shall be maintained by each registered entity for its mobile facilities, pursuant to §80.602(d).

(e) *Changes to registration information.* Any company or entity shall submit updated registration information to the Administrator within 30 days of any occasion when the registration information previously supplied for an entity, or any of its registered facilities, becomes incomplete or inaccurate.

(f) *Issuance of registration numbers.* EPA will supply a registration number to each entity and a facility registration number to each of an entity's facilities that is identified, which shall be used in all reports to the Administrator.

[69 FR 39190, June 29, 2004, as amended at 70 FR 70510, Nov. 22, 2005; 71 FR 25720, May 1, 2006]

§ 80.598 WHAT ARE THE DESIGNATION REQUIREMENTS FOR REFINERS, IMPORTERS, AND DISTRIBUTORS?

(a) *Designation requirements for refiners and importers.* (1) Any refiner or importer shall accurately and clearly designate all fuel it produces or imports for use in diesel motor vehicles as either motor vehicle diesel fuel meeting the 15 ppm sulfur standard under §80.520(a)(1) or as motor vehicle diesel fuel meeting the 500 ppm sulfur standard under §80.520(c).

(2) Subject to the restrictions in paragraph (a)(3) of this section, beginning June 1, 2006, any refiner or importer shall accurately and clearly designate each batch of diesel fuel or distillate fuel for which they transfer custody to another entity, according to the following categories, including specifying its volume:

(i) Designate the fuel as one of the following fuel types:

(A) Motor vehicle, nonroad, locomotive or marine (MVNRLM) diesel fuel;

(B) Heating oil;

(C) Jet fuel;

(D) Kerosene;

(E) No. 4 fuel;

(F) Distillate fuel for export only; or

(G) Exempt distillate fuels such as fuels that are covered by a national security exemption under §80.606, fuels that are used for purposes of research and development pursuant to §80.607, and fuels used in the U.S. Territories pursuant to §80.608 (including additional identifying information).

(ii) From June 1, 2006 through May 31, 2014 any batch designated as MVNRLM diesel fuel must also be designated as one of the following:

(A) Motor vehicle diesel fuel; or

(B) NRLM diesel fuel.

(iii) From June 1, 2010 through May 31, 2012 any batch designated as NRLM must also be designated as one of the following:

(A) NR diesel fuel; or

(B) LM diesel fuel.

(iv) Until June 1, 2014, any batch designated as MVNRLM diesel fuel must also be designated according to one of the following three sulfur level specifications:

(A) 15 ppm if its sulfur content is less than or equal to 15 ppm.

(B) 500 ppm if its sulfur content is less than or equal to 500 ppm.

(C) High Sulfur if its sulfur content is greater than 500 ppm.

(v) From June 1, 2006 through May 31, 2010, any batch designated as motor vehicle diesel fuel must also be designated according to one of the following two distillation classifications that most accurately represents the fuel:

(A) #1D.

(B) #2D.

(C) NP diesel (NP).

(3) The following restrictions and clarifications apply:

(i) Prior to June 1, 2006, any batch of MVNRLM not containing visible evidence of red dye under §80.520(b) must be designated as motor vehicle diesel fuel.

(ii) Any distillate fuel containing visible evidence of dye may not be designated as motor vehicle diesel fuel unless it is further designated as tax exempt motor vehicle diesel fuel.

(iii) Any distillate containing the marker required pursuant to the provisions of §80.510(d) through (f) must be designated as heating oil, except that from June 1, 2010 through May 31, 2012 it may also be designated as LM diesel fuel, pursuant to §80.510(e).

(iv) Prior to June 1, 2009 all 15 ppm sulfur MVNRLM diesel fuel must be designated as motor vehicle diesel fuel. A refiner that has been approved as a NRLM diesel fuel small refiner under §80.551(g) and has elected to use the compliance option specified under §80.554(d) may also designate 15 ppm sulfur MVNRLM fuel as NRLM diesel fuel beginning June 1, 2006.

(v) Beginning June 1, 2010 any distillate fuel having a sulfur content greater than 15 ppm may not be designated as motor vehicle diesel fuel.

(vi) Beginning June 1, 2014, any distillate fuel having a sulfur content greater than 15 ppm may not be designated as MVNRLM diesel fuel.

(vii) Any batch of #1D fuel which is suitable for use as MVNRLM and which is also suitable for use as kerosene or jet fuel (*i.e.,* commonly referred to as dual use kerosene) may be designated as MVNRLM, kerosene, or jet fuel (as applicable).

(viii) Beginning June 1, 2007, any distillate fuel with a sulfur content greater than 500 ppm distributed or intended for distribution in the area specified in §80.510(g)(1), may not be designated as MVNRLM diesel fuel.

(ix) From June 1, 2010 through May 31, 2012, any distillate fuel with a sulfur content greater than 15 ppm distributed or intended for distribution in the area specified in §80.510(g)(1), may not be designated as NR diesel fuel.

(x) From June 1, 2012 through May 31, 2014, any distillate fuel with a sulfur content greater than 15 ppm distributed or intended for distribution in the area specified in §80.510(g)(1), may not be designated as NRLM diesel fuel.

(xi) Beginning June 1, 2007, any distillate fuel with a sulfur content greater than 500 ppm distributed or intended for distribution in the area specified in §80.510(g)(2) may not be designated as NRLM diesel fuel unless EPA has first approved a compliance plan for the refiner for segregating the fuel from all other types of NRLM diesel fuel from the refinery gate to the ultimate consumer, as specified under §80.554(a)(4).

(xii) From June 1, 2010 through May 31, 2012, any distillate fuel with a sulfur content greater than 15 ppm distributed or intended for distribution in the area specified in §80.510(g)(2) may not be designated as NR diesel fuel unless EPA has first approved a compliance plan for the refiner for segregating the fuel from all other types of NRLM diesel fuel from the refinery gate to the ultimate consumer, as specified under §80.554(b)(4).

(xiii) From June 1, 2012 through May 31, 2014, any distillate fuel with a sulfur content greater than 15 ppm distributed or intended for distribution in the area specified in §80.510(g)(2) may not be designated as NRLM diesel fuel unless, EPA has first approved a compliance plan for the refiner for segregating the fuel from all other types of NRLM diesel fuel from the refinery gate to the ultimate consumer, as specified under §80.554(b)(4).

(xiv) Beginning June 1, 2014, any distillate fuel with a sulfur content greater than 15 ppm may not be designated as MVNRLM diesel fuel.

(b) *Designation requirements for fuel distributors.* (1) Pursuant to the provisions of paragraphs (b)(2) through (b)(9) of this section, beginning June 1, 2006, any distributor shall accurately and clearly designate each batch of diesel fuel or distillate fuel for which they transfer custody to another facility, including specifying its volume, as specified in this paragraph (b). Distributors must also accurately and clearly classify such diesel fuel and distillate fuel by sulfur content, while it is in their custody between receipt and delivery.

(2) From June 1, 2006 through May 31, 2009, whenever custody of a batch of 15 ppm sulfur motor vehicle diesel fuel is transferred to another facility, the entity transferring custody must accurately and clearly designate the batch as one of the following and specify its volume:

(i) #1D 15 ppm sulfur motor vehicle diesel fuel.

(ii) #2D 15 ppm sulfur motor vehicle diesel fuel.

(iii) Fuel that meets the requirements specified in §80.616 which is transferred by a pipeline facility to a terminal facility outside of the State of California pursuant to §80.617(b) may be designated as California diesel fuel. Such fuel must subsequently be redesignated by the receiving terminal as either #1D or #2D 15 ppm motor vehicle diesel fuel, or segregated for delivery by tank truck to a retail or wholesale purchaser consumer facility inside the State of California pursuant to §80.617(b)(2).

(iv) NP 15 ppm sulfur motor vehicle diesel fuel.

(3) From June 1, 2009 through May 31, 2010, whenever custody of a batch of 15 ppm sulfur MVNRLM diesel fuel is transferred to another facility, the entity transferring custody must accurately and clearly designate the batch as one of the following and specify its volume:

(i) #1D 15 ppm sulfur motor vehicle diesel fuel.

(ii) #2D 15 ppm sulfur motor vehicle diesel fuel.

(iii) 15 ppm sulfur NRLM diesel fuel.

(iv) Fuel that meets the requirements specified in §80.616 that is transferred by a pipeline facility to a terminal facility outside of the State of California pursuant to §80.617(b) may be designated as California diesel fuel. Such fuel must either be redesignated by the receiving terminal as either #1D or #2D 15 ppm motor vehicle diesel fuel as prescribed in paragraph (b)(9)(xvi) of this section, or segregated for delivery by tank truck to a retail or wholesale purchaser consumer facility inside the State of California pursuant to §80.617(b)(2).

(v) NP 15 ppm sulfur motor vehicle diesel fuel.

(4) From June 1, 2006 through May 31, 2010, whenever custody of a batch of undyed, 500 ppm sulfur MVNRLM is transferred to another facility, the entity transferring custody must accurately and clearly designate the batch as one of the following and specify its volume:

(i) #1D 500 ppm sulfur motor vehicle diesel fuel;

(ii) #2D 500 ppm sulfur motor vehicle diesel fuel; or

(iii) 500 ppm sulfur NRLM diesel fuel.

(iv) NP 500 ppm sulfur motor vehicle diesel fuel.

(5) From June 1, 2007 through May 31, 2010, whenever custody of a batch of distillate fuel (other than jet fuel, kerosene, No. 4 fuel, or fuel for export) having a sulfur content greater than 500 ppm is transferred to another facility, the entity transferring custody must accurately and clearly designate the batch as one of the following and specify its volume:

(i) High sulfur NRLM diesel fuel (HSNRLM);

(ii) Heating oil; or

(iii) Exempt distillate fuels such as fuels that are covered by a national security exemption under §80.606, fuels that are used for purposes of research and development pursuant to §80.607, and fuels used in the U.S. Territories pursuant to §80.608 (including additional identifying information).

(6) From June 1, 2010 through May 31, 2012, whenever custody of a batch of distillate fuel (other than jet fuel, kerosene, No. 4 fuel, or fuel for export) having a sulfur content greater than 15 ppm is transferred to another facility, the entity transferring custody must accurately and clearly designate the batch as one of the following and specify its volume:

(i) 500 ppm sulfur NR diesel fuel;

(ii) 500 ppm sulfur LM diesel fuel;

(iii) Heating oil; or

(iv) Exempt distillate fuels such as fuels that are covered by a national security exemption under §80.606, fuels that are used for purposes of research and development pursuant to §80.607, and fuels used in the U.S. Territories pursuant to §80.608 (including additional identifying information).

(7) From June 1, 2012 through May 31, 2014, whenever custody of a batch of distillate fuel (other than jet fuel, kerosene, No. 4 fuel, or fuel for export) having a sulfur content greater than 15 ppm is transferred to another facility, the entity transferring custody must accurately and clearly designate the batch as one of the following and specify its volume:

(i) 500 ppm sulfur NRLM diesel fuel;

(ii) Heating oil; or

(iii) Exempt distillate fuels such as fuels that are covered by a national security exemption under §80.606, fuels that are used for purposes of research and development pursuant to §80.607, and fuels used in the U.S. Territories pursuant to §80.608 (including additional identifying information).

(8) Beginning June 1, 2014, whenever custody of a batch of distillate fuel (other than jet fuel, kerosene, No. 4 fuel, or fuel for export) having a sulfur content greater than 15 ppm is transferred to another facility, the entity transferring custody must accurately and clearly designate the batch as one of the following and specify its volume:

(i) 500 ppm sulfur LM diesel fuel;

(ii) Heating oil; or

(iii) Exempt distillate fuels such as fuels that are covered by a national security exemption under §80.606, fuels that are used for purposes of research and development pursuant to §80.607, and fuels used in the U.S. Territories pursuant to §80.608 (including additional identifying information).

(9) The following restrictions and clarifications apply. Subject to the provisions of this paragraph (b)(9) and subject to the dye and marker provisions of §80.520(b) and §80.510(d) through (f), when custody of a batch of distillate fuel is transferred, the designation provided by the entity transferring custody pursuant to paragraphs (b)(1) through (b)(8) of this section may be different from the designation of the fuel when that same entity received custody.

(i) Any 500 ppm sulfur diesel fuel designated under this paragraph (b) and containing visible evidence of red dye may not be designated as motor vehicle diesel fuel.

(ii) Any distillate fuel containing greater than or equal to 0.10 milligrams per liter of marker solvent yellow 124 required under §80.510(d), (e), or (f) must be designated as heating oil except that from June 1, 2010 through October 1, 2012 it may also be designated as LM diesel fuel as specified under §80.510(e).

(iii) Any batch of #1D fuel which is suitable for use as MVNRLM diesel fuel and which is also suitable for use as kerosene or jet fuel (*i.e.* , commonly referred to as dual use kerosene) may be designated as either MVNRLM diesel fuel, kerosene, or jet fuel (as applicable).

(iv) Any MVNRLM diesel fuel with a sulfur content of 500 ppm or less in inventory as of June 1, 2007 may be designated as motor vehicle diesel fuel.

(v) Batches or portions of batches of fuel received designated as 15 ppm sulfur #2D motor vehicle diesel fuel may be re-designated as 500 ppm sulfur motor vehicle diesel fuel, but only in accordance with the limitations of §80.527(c).

(vi) Batches or portions of batches received designated as 500 ppm sulfur NRLM diesel fuel may be re-designated as 500 ppm sulfur motor vehicle diesel fuel by a truck loading terminal only if the terminal maintains a neutral or positive balance at the end of each quarterly compliance period on their motor vehicle diesel fuel volume from June 1, 2006 as calculated in §80.599(b)(4).

(vii) Batches or portions of batches received designated as 500 ppm sulfur NRLM diesel fuel may be re-designated as 500 ppm sulfur motor vehicle diesel fuel by a facility other than a truck loading terminal only if the following restrictions are met:

(A) At the end of each annual compliance period, the facility has a neutral or positive balance on its motor vehicle diesel fuel volume from June 1, 2007 as calculated in §80.599(b)(4); and

(B) At the end of each annual compliance period, the facility's balance for motor vehicle diesel fuel volume, from the beginning of the compliance period must be less than two percent of the total volume of motor vehicle diesel fuel received during the compliance period, as calculated in §80.599(b)(5).

(viii) For facilities in areas other than those specified in §80.510(g)(1) and (g)(2), batches or portions of batches of unmarked distillate received designated as heating oil may be re-designated as NRLM or LM diesel fuel only if the following restrictions are met:

(A) From June 1, 2007 through May 31, 2010, for any compliance period, the volume of high sulfur NRLM diesel fuel delivered from a facility cannot be greater than the volume received, unless the volume of heating oil delivered from the facility is also greater than the volume it received by an equal or greater proportion, as calculated in §80.599(c)(2); and

(B) Beginning June 1, 2010, for any compliance period, the volume of fuel designated as heating oil delivered from a facility cannot be less than the volume of fuel designated as heating oil received, as calculated in §80.599(c)(4).

(ix) For facilities in areas other than those specified in §80.510(g)(1) and (g)(2), from June 1, 2010 through May 31, 2012, batches or portions of batches received designated as 500 ppm LM diesel fuel may be redesignated as 500 ppm NR diesel fuel only if for any compliance period the following restrictions are met:

(A) The volume of fuel designated as 500 ppm sulfur NR diesel fuel delivered from the facility cannot be greater than the volume received as calculated in §80.599(d)(2)(i); or

(B) The volume of fuel designated as 500 ppm sulfur NR diesel fuel delivered from the facility in relation to the volume received is not a greater proportion than the volume of fuel designated as 500 ppm sulfur LM diesel fuel delivered from the facility in relation to the volume received, as calculated in §80.599(d)(2)(ii).

(x) Notwithstanding the provisions of paragraph (b)(5) of this section, beginning October 1, 2007,

(A) No distillate fuel with a sulfur content greater than 500 ppm distributed or intended for distribution in the areas specified in §80.510(g)(1) and (g)(2), may be designated as NRLM diesel fuel, including LM diesel fuel except as provided in paragraph (b)(9)(xiii) of this section; and

(B) Distillate fuel with a sulfur content greater than 500 ppm distributed from within the areas specified in §80.510(g)(1) and (g)(2) to areas outside these areas is subject to the provisions of paragraph (b)(5) of this section.

(xi) Notwithstanding the provisions of paragraphs (b)(6) through (b)(8) of this section, beginning October 1, 2010—

(A) No distillate fuel with a sulfur content greater than 15 ppm distributed or intended for distribution in the areas specified in §80.510(g)(1) and (g)(2), may be designated as NR diesel fuel, except as provided in paragraph (b)(9)(xiv) of this section; and

(B) Distillate fuel with a sulfur content greater than 15 ppm distributed from within the areas specified in §80.510(g)(1) and (g)(2) to areas outside these areas is subject to the provisions of paragraphs (b)(6) through (b)(7) of this section.

(xii) Notwithstanding the provisions of paragraphs (b)(7) and (8) of this section, beginning October 1, 2012—

(A) No distillate fuel with a sulfur content greater than 15 ppm distributed or intended for distribution in the areas specified in §80.510(g)(1) and (g)(2), may be designated as NRLM diesel fuel, including LM diesel fuel, except as provided in paragraph (b)(9)(xv) of this section; and

(B) Distillate fuel with a sulfur content greater than 15 ppm distributed from within the areas specified in §80.510(g)(1) and (g)(2) to areas outside these areas is subject to the provisions of paragraphs (b)(7) and (8) of this section.

(xiii) From June 1, 2007 through September 30, 2010, in the area specified in §80.510(g)(2) only segregated batches of distillate fuel received designated as HSNRLM diesel fuel may be distributed designated as HSNRLM diesel fuel and must remain segregated from fuel with any other designations unless otherwise approved by EPA in a refiner compliance plan under §80.554(a)(4).

(xiv) From June 1, 2010 through September 30, 2012, in the area specified in §80.510(g)(2) only segregated batches of distillate fuel received designated as 500 ppm sulfur NR diesel fuel may be distributed designated as 500 ppm sulfur NR diesel fuel and must remain segregated from fuel with any other designations and from any other 500 ppm sulfur NRLM diesel fuel from any other sources, except as approved by EPA in a refiner compliance plan under §80.554(a)(4).

(xv) From June 1, 2012 through September 30, 2014, in the area specified in §80.510(g)(2) only segregated batches of distillate fuel received designated as 500 ppm sulfur NRLM diesel fuel may be distributed designated as 500 ppm sulfur NRLM diesel fuel and must remain segregated from fuel with any other designations and from any other 500 ppm sulfur NRLM diesel fuel from any other sources, except as approved by EPA in a refiner compliance plan under §80.554(a)(4).

(xvi) Fuel designated as California diesel fuel under paragraph (b)(3)(iv) of this section that is received by a terminal facility pursuant to the provisions of §80.617(b)(1) must be redesignated as either #1D or #2D 15 ppm motor vehicle diesel fuel as prescribed in paragraph (b)(9)(xvi) of this section, or segregated for delivery by tank truck to a retail or wholesale purchaser consumer facility inside the State of California pursuant to §80.617(b)(2).

(c) Notwithstanding the provisions of paragraph (b) of this section, an entity is not required to designate heating oil that is delivered from a facility that only receives heating oil which is marked pursuant to §80.510(d) through (f).

(d) Notwithstanding the provisions of paragraph (b)(4) of this section, an entity is not required to designate 500 ppm sulfur MVNRLM diesel fuel that is delivered from a facility that only receives 500 ppm sulfur MVNRLM diesel fuel on which taxes have been paid or into which red dye has been added pursuant to §80.520(b).

(e) Notwithstanding the provisions of paragraph (b)(6) of this section, an entity is not required to designate 500 ppm sulfur LM diesel fuel that is delivered from a facility that only receives 500 ppm sulfur LM diesel fuel which is marked pursuant to §80.510(e).

(f) Any entity that is both a distributor and a refiner or importer must comply with the provisions of paragraph (a) of this section for all distillate fuel produced or imported, and the provisions of paragraph (b) of this section for all distillate fuel for which it acted as distributor but not refiner or importer.

(g) No refiner, importer, or distributor may use the designation provisions of this section to circumvent the standards or requirements of §80.510, 80.511, or 80.520.

[69 FR 39191, June 29, 2004, as amended at 70 FR 70511, Nov. 22, 2005; 71 FR 25720, May 1, 2006]

§ 80.599 HOW DO I CALCULATE VOLUME BALANCES FOR DESIGNATION PURPOSES?

(a) Quarterly compliance periods. The quarterly compliance periods are shown in the following table:

Beginning date of quarterly compliance period	Ending date of quarterly compliance period
June 1, 2006	September 30, 2006.
October 1, 2006	December 31, 2006.
January 1, 2007	March 31, 2007.
April 1, 2007	May 31, 2007.
June 1, 2007	September 30, 2007.
October 1, 2007	December 31, 2007.
January 1, 2008	March 31, 2008.
April 1, 2008	June 30, 2008.
July 1, 2008	September 30, 2008.
October 1, 2008	December 31, 2008.
January 1, 2009	March 31, 2009.
April 1, 2009	June 30, 2009.
July 1, 2009	September 30, 2009.
October 1, 2009	December 31, 2009.
January 1, 2010	March 31, 2010.
April 1, 2010	May 31, 2010.
June 1, 2010	September 30, 2010.

(1) Annual compliance periods. The annual compliance periods before the period beginning July 1, 2016 are shown in the following table:

Beginning date of annual compliance period	Ending date of annual compliance period
June 1, 2006	May 31, 2007.

June 1, 2007	June 30, 2008.
July 1, 2008	June 30, 2009.
July 1, 2009	May 31, 2010.
June 1, 2010	June 30, 2011.
July 1, 2011	May 31, 2012.
June 1, 2012	June 30, 2013.
July 1, 2013	May 31, 2014.
June 1, 2014	June 30, 2015.

(2) The annual compliance periods for the period beginning July 1, 2015 shall be from July 1, through June 30.

(b) *Volume balance for motor vehicle diesel fuel.* (1) A facility's motor vehicle diesel fuel volume balance is calculated as follows:

$MVB = MV_I - MV_O - MV_{INVCHG}$

Where:

MVB = the volume balance for motor vehicle diesel fuel for the compliance period.

MV_I= the total volume of all batches of fuel designated as motor vehicle diesel fuel received for the compliance period. Any motor vehicle diesel fuel produced by or imported into the facility shall also be included in this volume.

MV_O= the total volume of all batches of fuel designated as motor vehicle diesel fuel delivered for the compliance period.

MV_{INVCHG}= the total volume of 15 ppm sulfur and 500 ppm sulfur motor vehicle diesel fuel in inventory at the end of the compliance period minus the total volume of 15 ppm sulfur and 500 ppm sulfur motor vehicle diesel fuel in inventory at the beginning of the compliance period, including accounting for any corrections in inventory due to volume swell or shrinkage, difference in measurement calibration between receiving and delivering meters, and similar matters, where corrections that increase inventory are defined as positive.

(2) Calculate the motor vehicle diesel fuel received, as follows:

$MV_I = MV15_I + MV500_I$

Where:

$MV15_I$= the total volume of all the batches of fuel designated as 15 ppm sulfur motor vehicle diesel fuel received for the compliance period. Any motor vehicle diesel fuel produced by or imported into the facility shall also be included in this volume. Any untaxed and undyed California diesel fuel received by a terminal pursuant to §80.617 (b)(1) shall be included in this volume.

$MV500_I$= the total volume of all batches of fuel designated as 500 ppm sulfur motor vehicle diesel fuel received for the compliance period. Any motor vehicle diesel fuel produced by or imported into the facility shall also be included in this volume.

(3) Calculate the motor vehicle diesel fuel delivered, as follows:

$MV_O = MV15_O + MV500_O$

Where:

$MV15_O$= the total volume of all batches of fuel designated as 15 ppm sulfur motor vehicle diesel fuel and delivered during the compliance period.

$MV500_O$= the total volume of all batches of fuel designated as 500 ppm sulfur motor vehicle diesel fuel and delivered during the compliance period.

(4) The neutral or positive volume balance required for purposes of compliance with §80.598(b)(9)(vi) and (b)(9)(vii)(A) means that the net balance of motor vehicle diesel fuel in inventory as of the end of the last day of the compliance period ($MVNB_E$) must be greater than or equal to zero. MVNBE is defined by the following equation:

$MVNB_E = MV15_{BINV} + MV500_{BINV} + \Sigma MVB$

Where:

$MV15_{BINV}$= the total volume of fuel designated as 15 ppm sulfur motor vehicle diesel fuel in inventory at the beginning of the program on June 1, 2006.

$MV500_{BINV}$= the total volume of fuel designated as 500 ppm sulfur motor vehicle diesel fuel in inventory at the beginning of the program on June 1, 2006. Any #2D 500 ppm sulfur MVNRLM in inventory at the beginning of the program on June 1, 2006 may be designated as motor vehicle diesel fuel.

ΣMVB = the sum of the balances for motor vehicle diesel fuel for the current compliance period and previous compliance periods.

(5) The volume balance required for purposes of compliance with §80.598(b)(9)(vii)(B) means:

$-MVB \leq 0.02 \times MV_I$

(6) Calculations in paragraphs (b)(4) and (b)(5) of this section may be combined for all facilities wholly owned by an entity.

(7) For purposes of calculations in paragraphs (b)(1) through (b)(5) of this section, for batches of fuel received from facilities without an EPA facility ID#, any batches of fuel received on which taxes have been paid pursuant to IRS code (26 CFR part 48) shall be deemed to be $MV15_I$or $MV500_I$as appropriate for purposes of this paragraph.

(c) *Volume balance for high sulfur NRLM diesel fuel and heating oil.* (1) A facility's high sulfur NRLM balance is calculated as follows:

$HSNRLMB = HSNRLMI_I - HSNRLM_O - HSNRLM_{INVCHG}$

Where:

HSNRLMB = the balance for high sulfur NRLM diesel fuel for the compliance period.

$HSNRLM_I$= the total volume of all batches of fuel designated as high sulfur NRLM received diesel fuel for the compliance period. Any high sulfur NRLM produced by or imported into the facility shall also be included in this volume.

$HSNRLM_O$= the total volume of all batches of fuel designated as high sulfur NRLM diesel fuel delivered for the compliance period.

$HSNRLM_{INVCHG}$= the volume of high sulfur NRLM diesel fuel in inventory at the end of the compliance period minus the volume of high sulfur NRLM diesel fuel in inventory at the beginning of the compliance period, including accounting for any corrections in inventory due to volume swell or shrinkage, difference in measurement calibration between receiving and delivering meters, and similar matters, where corrections that increase inventory are defined as positive.

(2) The volume balance required for purposes of compliance with §80.598(b)(9)(viii)(A) means one of the following:

(i) $HSNRLMB \geq 0$

(ii) $(HSNRLM_O + HSNRLM_{INVCHG}) / HSNRLM_I \leq (HO_O + HO_{INVCHG}) / HO_I$

(3) A facility's heating oil volume balance is calculated as follows:

$HOB = HO_I - HO_O - HO_{INVCHG}$

Where:

HOB = the balance for heating oil for the compliance period.

HO_I= the total volume of all batches of fuel designated as heating oil received for the compliance period. Any heating oil produced by or imported into the facility shall also be included in this volume.

HO_O= the total volume of all batches of fuel designated as heating oil delivered to all downstream entities for the compliance period.

HO_{INVCHG}= the volume of heating oil in inventory at the end of the compliance period minus the volume of heating oil in inventory at the beginning of the compliance period, including accounting for any corrections in inventory due to volume swell or shrinkage, difference in measurement calibration between receiving and delivering meters, and similar matters, where corrections that increase inventory are defined as positive.

(4) The volume balance required for purposes of compliance with §80.598(b)(9)(viii)(B) means:

$HOB \leq 0$

(5) Calculations in paragraphs (c)(3) and (c)(4) of this section may be combined for all facilities wholly owned by an entity.

(6) For purposes of calculations in paragraphs (c)(1) through (c)(4) of this section, for batches of fuel received from facilities without an EPA facility ID#, any batches of fuel received marked pursuant to §80.510(d) or (f) shall be deemed to be HO_I, any batches of fuel received marked pursuant to §80.510(e) shall be deemed to be HO_Ior $LM500_I$, any diesel fuel with less than or equal to 500 ppm sulfur that is dyed pursuant to §80.520(b) and not marked pursuant to §80.510(d) or (f) shall be deemed to be NRLM diesel fuel, and any diesel fuel with less than or equal to 500 ppm sulfur which is dyed pursuant to §80.520(b) and not marked pursuant to §80.510(e) shall be deemed to be NR diesel fuel.

(d) *Volume balance for NR diesel fuel.* (1) A facility's 500 ppm nonroad diesel fuel balance is calculated as follows:

$NR500B = NR500_I - NR500_O - NR500_{INVCHG}$

Where:

NR500B = the balance for 500 ppm sulfur NR diesel fuel for the compliance period.

$NR500_I$= the total volume of all batches of fuel designated as 500 ppm sulfur NR diesel fuel received for the compliance period. Any 500 ppm sulfur NR diesel fuel produced by or imported into the facility shall also be included in this volume.

$NR500_O$= the total volume of all batches of fuel designated as 500 ppm sulfur NR diesel fuel delivered for the compliance period.

$NR500_{INVCHG}$= the volume of 500 ppm sulfur NR diesel fuel in inventory at the end of the compliance period minus the volume of 500 ppm sulfur NR diesel fuel in inventory at the beginning of the compliance period, and accounting for any corrections in inventory due to volume swell or shrinkage, difference in measurement calibration between receiving and delivering meters, and similar matters, where corrections that increase inventory are defined as positive.

(2) The volume balance required for purposes of compliance with §80.598(b)(9)(ix) means one of the following:

(i) $NR500B \geq 0$

(ii) $(NR500_O + NR500_{INVCHG}) / NR500_I \leq (LM500_O + LM500_{INVCHG}) / LM500_I$.

Where:

$LM500_I$= the total volume of all batches of fuel designated as 500 ppm sulfur LM diesel fuel received for the compliance period. Any 500 ppm sulfur LM diesel fuel produced by or imported into the facility shall also be included in this volume.

$LM500_O$= the total volume of all batches of fuel designated as 500 ppm sulfur LM diesel fuel delivered for the compliance period.

$LM500_{INVCHG}$= the volume of 500 ppm sulfur LM diesel fuel in inventory at the end of the compliance period minus the volume of 500 ppm sulfur LM diesel fuel in inventory at the beginning of the compliance period, and accounting for any corrections in inventory due to volume swell or shrinkage, difference in measurement calibration between receiving and delivering meters, and similar matters, where corrections that increase inventory are defined as positive.

(e) *Anti-downgrading for motor vehicle diesel fuel.* (1) A facility must satisfy the provisions in either paragraphs (e)(2), (e)(3), (e)(4), or (e)(5) of this section to comply with the anti-downgrading limitation of paragraph §80.527(c)(1), for the annual compliance periods defined in §80.527(c)(3).

(2) The volume of #2D 15 ppm sulfur motor vehicle delivered must meet the following requirement:

$(\#2MV15_O + \#2MV15_{INVCHG}) \geq 0.8 * \#2MV15_I$

Where:

$\#2MV15_O$= the total volume of fuel delivered during the compliance period that is designated as #2D 15 ppm sulfur motor vehicle diesel fuel.

$\#2MV15_{INVCHG}$= the total volume of diesel fuel designated as #2D 15 ppm sulfur motor vehicle diesel fuel in inventory at the end of the compliance period minus the total volume of #2D 15 ppm sulfur motor vehicle diesel fuel in inventory at the beginning of the compliance period, and accounting for any corrections in inventory due to volume swell or shrinkage, difference in measurement calibration between receiving and delivering meters, and similar matters, where corrections that increase inventory are defined as positive.

$\#2MV15_I$= the total volume of fuel received during the compliance period that is designated as #2D 15 ppm sulfur motor vehicle diesel fuel. Any untaxed and undyed California diesel fuel received by a terminal pursuant to §80.617(b)(1) shall be included in this volume.

(3) The volume of #2D 500 ppm sulfur motor vehicle diesel fuel delivered must meet the following requirement:

$\#2MV500_O \leq \#2MV500_I - \#2MV500_{INVCHG} + 0.2 * \#2MV15_I$

Where:

$\#2MV500_O$= the total volume of fuel delivered during the compliance period that is designated as #2D 500 ppm sulfur motor vehicle diesel fuel.

$\#2MV500_I$= the total volume of fuel received during the compliance period that is designated as #2D 500 ppm sulfur motor vehicle diesel fuel.

$\#2MV500_{INVCHG}$= the total volume of diesel fuel designated as #2D 500 ppm sulfur motor vehicle diesel fuel in inventory at the end of the compliance period minus the total volume of #2D 500 ppm sulfur motor vehicle diesel fuel in inventory at the beginning of the compliance period, and accounting for any corrections in inventory due to volume swell or shrinkage, difference in measurement calibration between receiving and delivering meters, and similar matters, where corrections that increase inventory are defined as positive.

(4) The following calculation may be used to account for wintertime blending of kerosene and the blending of non-petroleum diesel:

$\#2MV500_O < = \#2MV500_I + \#2MV500_P - \#2MV500_{INVCHG} + 0.2 * (\#1MV15_I + \#2MV15_I + NPMV15_I)$

Where:

$\#1MV15_I$ the total volume of fuel received during the compliance period that is designated as #1D 15 ppm sulfur motor vehicle diesel fuel. Any motor vehicle diesel fuel produced by or imported into the facility shall not be included in this volume.

$NPMV15_I$ is the total volume of fuel received during the compliance period that is designated as NP15 ppm sulfur motor vehicle diesel fuel. Any motor vehicle diesel fuel produced by or imported into the facility shall not be included in this volume.

$\#1MV15_P$ = the total volume of fuel produced by or imported into the facility during the compliance period that was designated as #1D 15 ppm sulfur motor vehicle diesel fuel when it was delivered.

(5) The following calculation may be used to account for wintertime blending of kerosene, the blending of non-petroleum diesel, and/or changes in the facility's volume balance of motor vehicle diesel fuel resulting from a temporary shift of 500 ppm sulfur NRLM diesel fuel to 500 ppm sulfur motor vehicle diesel fuel during the compliance period:

$\#2MV500_O < \#2MV500_I + \#2MV500_P - \#2MV500_{INVCHG} + 0.2 * \#2MV15_I + \#1MV15_B + \#2NRLM500_S + NP_B$

Where:

$\#1MV15_B$ = the total volume of fuel received during the compliance period that is designated as #1D 15 ppm sulfur motor vehicle diesel fuel and that the facility can demonstrate they blended into #2D 500 ppm sulfur motor vehicle diesel fuel. Any motor vehicle diesel fuel produced by or imported into the facility shall not be included in this volume.

$\#2MV500_P$ = the total volume of fuel produced by or imported into the facility during the compliance period that was designated as #2MV 500 ppm sulfur motor vehicle diesel fuel when it was delivered.

$\#2NRLM500_S$ = the total volume of #2D 500 ppm sulfur NRLM diesel fuel that the facility can demonstrate they redesignated as #2D 500 ppm sulfur motor vehicle diesel fuel during the compliance period.

NP_B = the total volume of fuel received during the compliance period that is designated as NP15 ppm sulfur motor vehicle diesel fuel, and/or NP500 ppm sulfur motor vehicle diesel fuel which the facility can demonstrate they blended into #2D 500 ppm sulfur motor vehicle diesel fuel.

(f) *Inventory adjustments.* Adjustments to inventory under this section must be based on normal business practices for the industry, appropriate physical plant operations and use of good engineering judgments.

(g) *Unique circumstances.* EPA may, at its discretion, grant a fuel distributor's application to modify its inventory of motor vehicle diesel fuel, NRLM diesel fuel, or heating oil for a given compliance period. EPA may grant an application to address unique circumstances, where appropriate, such as the start up of a new pipeline or pipeline segment.

(h) *Additional requirements for aggregated facilities consisting of a refinery and a truck loading terminal.* In addition to the volume balance requirements required by paragraphs (a) through (g) of this section, aggregated facilities consisting of a refinery and a truck loading terminal are responsible for balance calculations on the volume difference between the total volume of diesel fuel sold over the truck loading terminal rack and the production volume from the batch reports. Mathematically, the difference will be the volume of fuel received from external sources and passed through to another facility.

[69 FR 39194, June 29, 2004, as amended at 70 FR 40896, July 15, 2005; 70 FR 70511, Nov. 22, 2005; 71 FR 25720, May 1, 2006]

§ 80.600 WHAT RECORDS MUST BE KEPT FOR PURPOSES OF THE DESIGNATE AND TRACK PROVISIONS?

(a) In addition to the requirements of §80.592 and §80.602, the following recordkeeping requirements shall apply to refiners and importers:

(1) Any refiner or importer shall maintain the records specified in paragraphs (a)(6) through (a)(10) of this section for each batch of distillate fuel that it transfers custody of and designates during the time period from June 1, 2006 through May 31, 2010, with the following categories:

(i) #1D 15 ppm sulfur motor vehicle diesel fuel;

(ii) #2D 15 ppm sulfur motor vehicle diesel fuel;

(iii) 15 ppm sulfur NRLM diesel fuel;

(iv) #1D 500 ppm sulfur motor vehicle diesel fuel;

(v) #2D 500 ppm sulfur motor vehicle diesel fuel;

(vi) 500 ppm sulfur NRLM diesel fuel;

(vii) NP 15 ppm sulfur motor vehicle diesel fuel;

(viii) NP 500 ppm sulfur motor vehicle diesel fuel; or,

(ix) Exempt distillate fuels such as fuels that are covered by a national security exemption under §80.606, fuels that are used for purposes of research and development pursuant to §80.607, and fuels used in the U.S. Territories pursuant to §80.608 (including additional identifying information).

(2) Any refiner or importer shall maintain the records specified in paragraphs (a)(6) through (a)(10) of this section for each batch of distillate fuel that it transfers custody of and designates during the time period from June 1, 2007 through May 31, 2010 with the following categories:

(i) High sulfur NRLM diesel fuel; or

(ii) Heating oil.

(3) Any refiner or importer shall maintain the records specified in paragraphs (a)(6) through (a)(10) of this section for each batch of distillate fuel that it transfers custody of and designates during the time period from June 1, 2010 through May 31, 2012 with the following categories:

(i) 500 ppm sulfur NR diesel fuel;

(ii) 500 ppm sulfur LM diesel fuel;

(iii) Heating oil; or

(iv) Exempt distillate fuels such as fuels that are covered by a national security exemption under §80.606, fuels that are used for purposes of research and development pursuant to §80.607, and fuels used in the U.S. Territories pursuant to §80.608 (including additional identifying information).

(4) Any refiner or importer shall maintain the records specified in paragraphs (a)(6) through (a)(10) of this section for each batch of distillate fuel that it transfers custody of and designates during the time period from June 1, 2012 through May 31, 2014 with the following categories:

(i) 500 ppm sulfur NRLM diesel fuel;

(ii) Heating oil; or

(iii) Exempt distillate fuels such as fuels that are covered by a national security exemption under §80.606, fuels that are used for purposes of research and development pursuant to §80.607, and fuels used in the U.S. Territories pursuant to §80.608 (including additional identifying information).

(5) Any refiner or importer shall maintain the records specified in paragraphs (a)(6) through (a)(10) of this section for each batch of heating oil that it transfers custody of and designates during the time period from June 1, 2014 and later as belonging to the heating oil category.

(6) The records for each batch with designations identified in paragraphs (a)(1) through (a)(5) of this section must clearly and accurately identify the batch number (including an indication as to whether the batch was received into the facility, produced by the facility, imported into the facility, or delivered from the facility), date and time of day (if multiple batches are delivered per day) that custody was transferred, the designation, the volume in gallons of the batch, and the name and the EPA entity and facility registration number of the facility to whom such batch was transferred.

(7) Any refiner or importer shall, for each of its facilities, maintain records that clearly and accurately identify the total volume in gallons of designated fuel identified in paragraphs (a)(1) through (a)(5) of this section transferred over each compliance period. The records shall be maintained separately for each fuel designated in paragraphs (a)(1) through (a)(5) of this section, and for each EPA entity and facility registration number to whom custody of the fuel was transferred.

(8) Notwithstanding the provisions of paragraphs (a)(6) and (a)(7) of this section, records of batches delivered of 500 ppm sulfur motor vehicle diesel fuel on which taxes have been paid per Section 4082 of the Internal Revenue Code (26 U.S.C. 4082) and of 500 ppm sulfur NRLM diesel fuel into which dye has been added per Section 4082 of the Internal Revenue Code (26 U.S.C. 4082), and of 500 ppm sulfur LM diesel fuel which has been properly marked pursuant to §80.510(e) are not required to be maintained separately for each entity and facility to which the fuel was delivered.

(9) Notwithstanding the provisions of paragraphs (a)(6) and (a)(7) of this section, records of heating oil batches delivered that have been properly marked pursuant to §80.510(d) through (f) and records of LM diesel fuel batches delivered that have been properly marked pursuant to §80.510(e) are not required to be maintained separately for each entity and facility to which the fuel was delivered.

(10) Any refiner or importer shall maintain copies of all product transfer documents required under §80.590. If all information required in paragraph (a)(6) of this section is on the product transfer document for a batch, then the provisions of this paragraph (a)(10) shall satisfy the requirements of paragraph (a)(6) of this section for that batch.

(11) Any refiner or importer shall maintain records related to annual compliance calculations performed under §80.599 and to information required to be reported to the Administrator under §80.601.

(12) Records must be maintained that demonstrate compliance with a refiner's compliance plan required under §80.554, for distillate fuel designated as high sulfur NRLM diesel fuel and delivered from June 1, 2007 through May 31, 2010, for distillate fuel designated as 500 ppm sulfur NR diesel fuel and delivered from June 1, 2010 through May 31, 2012, and for distillate fuel designated as 500 ppm sulfur NRLM diesel fuel and delivered from June 1, 2012 through June 1, 2014 in the areas specified in §80.510(g)(2).

(13) Refiners and importers who also receive fuel from another facility must also comply with the requirements of paragraph (b) of this section separately for those volumes.

(b) In addition to the requirements of §80.592 and §80.602, the following recordkeeping requirements shall apply to distributors:

(1) Any distributor shall maintain the records specified in paragraphs (b)(2) through (b)(10) of this section for each batch of distillate fuel with the following designations for which custody is received or delivered as well as any batches produced. Records shall be kept separately for each of its facilities.

(i) For each facility that receives or distributes #2D 15 ppm sulfur motor vehicle diesel fuel or #2D 500 ppm sulfur motor vehicle diesel fuel, records for each batch of diesel fuel with the following designations for which custody is received or delivered during the time period from June 1, 2006 through May 31, 2007:

(A) #1D 15 ppm sulfur motor vehicle diesel fuel;

(B) #2D 15 ppm sulfur motor vehicle diesel fuel;

(C) #1D 500 ppm sulfur motor vehicle diesel fuel;

(D) #2D 500 ppm sulfur motor vehicle diesel fuel;

(E) California diesel fuel as defined in §80.616 which is transferred out of the State of California pursuant to the provisions of §80.617(b);

(F) NP 15 ppm sulfur motor vehicle diesel fuel;

(G) NP 500 ppm sulfur motor vehicle diesel fuel; or

(H) Exempt distillate fuels such as fuels that are covered by a national security exemption under §80.606, fuels that are used for purposes of research and development pursuant to §80.607, and fuels used in the U.S. Territories pursuant to §80.608 (including additional identifying information).

(ii) For each facility, records for each batch of diesel fuel with the following designations for which custody is received or delivered as well as any batches produced during the time period from June 1, 2007 through May 31, 2010:

(A) #1D 15 ppm sulfur motor vehicle diesel fuel;

(B) #2D 15 ppm sulfur motor vehicle diesel fuel;

(C) #1D 500 ppm sulfur motor vehicle diesel fuel;

(D) #2D 500 ppm sulfur motor vehicle diesel fuel;

(E) 500 ppm sulfur NRLM diesel fuel;

(F) 15 ppm sulfur NRLM diesel fuel;

(G) High sulfur NRLM diesel fuel;

(H) Heating oil;

(I) California diesel fuel as defined in §80.616 which is transferred out of the State of California pursuant to the provisions of §80.617(b);

(J) NP 15 ppm sulfur motor vehicle diesel fuel;

(K) NP 500 ppm sulfur motor vehicle diesel fuel; or

(L) Exempt distillate fuels such as fuels that are covered by a national security exemption under §80.606, fuels that are used for purposes of research and

development pursuant to §80.607, and fuels used in the U.S. Territories pursuant to §80.608 (including additional identifying information).

(iii) For each facility that receives unmarked fuel designated as NR diesel fuel, LM diesel fuel or heating oil, records for each batch of diesel fuel with the following designations for which custody is received or delivered as well as any batches produced during the time period from June 1, 2010 through May 31, 2012:

(A) 500 ppm sulfur NR diesel fuel;

(B) 500 ppm sulfur LM diesel fuel;

(C) Heating oil; or

(D) Exempt distillate fuels such as fuels that are covered by a national security exemption under §80.606, fuels that are used for purposes of research and development pursuant to §80.607, and fuels used in the U.S. Territories pursuant to §80.608 (including additional identifying information).

(iv) For each facility that receives unmarked fuel designated as heating oil, records for each batch of diesel fuel with the following designations for which custody is received or delivered as well as any batches produced during the time period from June 1, 2012 through May 31, 2014:

(A) 500 ppm sulfur NRLM diesel fuel;

(B) Heating oil; or

(C) Exempt distillate fuels such as fuels that are covered by a national security exemption under §80.606, fuels that are used for purposes of research and development pursuant to §80.607, and fuels used in the U.S. Territories pursuant to §80.608 (including additional identifying information).

(v) For each facility that receives unmarked fuel designated as heating oil, records for each batch of diesel fuel with the following designations for which custody is received or delivered as well as any batches produced during the time period beginning June 1, 2014:

(A) 500 ppm sulfur LM diesel fuel;

(B) Heating oil; or

(C) Exempt distillate fuels such as fuels that are covered by a national security exemption under §80.606, fuels that are used for purposes of research and development pursuant to §80.607, and fuels used in the U.S. Territories pursuant to §80.608 (including additional identifying information).

(vi) From June 1, 2007 through May 31, 2010, for those facilities in the areas specified in §80.510(g)(2) that receive unmarked fuel designated as high sulfur NRLM diesel fuel:

(A) High sulfur NRLM diesel fuel;

(B) Heating oil; or

(C) Exempt distillate fuels such as fuels that are covered by a national security exemption under §80.606, fuels that are used for purposes of research and development pursuant to §80.607, and fuels used in the U.S. Territories pursuant to §80.608 (including additional identifying information).

(vii) From June 1, 2010 through May 31, 2012, for those facilities in the areas specified in §80.510(g)(2) that receive unmarked fuel designated as 500 ppm sulfur NR diesel fuel, 500 ppm sulfur LM diesel fuel, or heating oil:

(A) 500 ppm sulfur NR diesel fuel;

(B) 500 ppm sulfur LM diesel fuel;

(C) Heating oil; or

(D) Exempt distillate fuels such as fuels that are covered by a national security exemption under §80.606, fuels that are used for purposes of research and development pursuant to §80.607, and fuels used in the U.S. Territories pursuant to §80.608 (including additional identifying information).

(viii) From June 1, 2012 through May 31, 2014, for those facilities in the areas specified in §80.510(g)(2) that receive unmarked fuel designated as 500 ppm sulfur NRLM diesel fuel or heating oil.

(A) 500 ppm sulfur NRLM diesel fuel;

(B) Heating oil; or

(C) Exempt distillate fuels such as fuels that are covered by a national security exemption under §80.606, fuels that are used for purposes of research and development pursuant to §80.607, and fuels used in the U.S. Territories pursuant to §80.608 (including additional identifying information).

(2) Records that for each batch clearly and accurately identify the batch number (including an indication as to whether the batch was received into the facility, produced by the facility, imported into the facility, or delivered from the facility), date and time of day (if multiple batches are delivered per day) that custody was transferred, the designation, the volume in gallons of each batch of each fuel, and the name and the EPA entity and facility registration number of the facility to whom or from whom such batch was transferred.

(3) Records that clearly and accurately identify the total volume in gallons of each designated fuel identified under paragraph (b)(1) of this section transferred over each of the compliance periods, and over the periods from June 1, 2006 to the end of each compliance period. The records shall be maintained separately for each fuel designated under paragraph (b)(1) of this section, and for each EPA entity and facility registration number from whom the fuel was received or to whom it was delivered. For batches of fuel received from facilities without an EPA facility registration number, any batches of fuel received marked pursuant to §80.510(d) or (f) shall be deemed designated as heating oil, any batches of fuel received marked pursuant to §80.510(e) shall be deemed designated as heating oil or LM diesel fuel, any batches of fuel received on which taxes have been paid pursuant to Section 4082 of the Internal Revenue Code (26 U.S.C. 4082) shall be deemed designated as motor vehicle diesel fuel, any 500 ppm sulfur diesel fuel dyed pursuant to §80.520(b) and not marked pursuant to §80.510(d) or (f) shall be deemed designated as NRLM diesel fuel, and any diesel fuel with less than or equal to 500 ppm sulfur which is dyed pursuant to §80.520(b) and not marked pursuant to §80.510(e) shall be deemed to be NR diesel fuel.

(4) Notwithstanding the provisions of paragraphs (b)(2) and (b)(3) of this section, for batches of 500 ppm sulfur motor vehicle diesel fuel delivered on which taxes have been paid per Section 4082 of the Internal Revenue Code (26 U.S.C. 4082) and 500 ppm sulfur NRLM diesel fuel into which red dye has been added per Section 4082 of the Internal Revenue Code (26 U.S.C. 4082), records are not required to be maintained separately for each entity or facility to whom fuel was delivered.

(5) Notwithstanding the provisions of paragraphs (b)(2) and (b)(3) of this section, for batches of heating oil delivered that are marked pursuant to §80.510(d) through (f), records do not need to identify the EPA entity or facility registration number to which fuel was delivered.

(6) Notwithstanding the provisions of paragraphs (b)(2) and (b)(3) of this section, for batches of LM diesel fuel delivered that are marked pursuant to §80.510(e), records do not need to identify the EPA entity or facility registration number to which fuel was delivered.

(7) Records that clearly and accurately reflect the beginning and ending inventory volume for each of the fuels for which records must be kept under paragraph (b)(1) of this section. Such records shall be maintained separately by each entity and facility consistent with the compliance periods defined in §§80.598 and 80.599.

(8) (i) If adjustments are made to inventory, the records must include detailed information related to the amount, type of, and reason for such adjustment.

(ii) If adjustments are made because of measurement error or variation, the records must include the adjustment made, the meter or gauge or other reading(s), and the name of the person who took such reading(s) and or applied the adjustment.

(9) For distributors that are required to keep records under paragraphs (b)(1) through (b)(8) of this section for truck loading terminals, records related to quarterly or annual compliance calculations, as applicable, performed under §80.599 and to information required to be reported to the Administrator under §80.601.

(10) For distributors that are required to keep records under paragraphs (b)(1) through (b)(8) of this section for facilities other than truck loading terminals, records related to annual compliance calculations performed under §80.599 and to information required to be reported to the Administrator under §80.601.

(c) Notwithstanding the provisions of paragraph (b) of this section, records of heating oil received are not required to be maintained for facilities that do not receive any heating oil which is unmarked pursuant to §80.510(d) through (f), or LM diesel fuel which is unmarked pursuant to §80.510(e).

(d) Notwithstanding the provisions of paragraph (b) of this section, records of 500 ppm sulfur MVNRLM diesel fuel received are not required to be maintained for facilities that do not receive any motor vehicle diesel fuel for which taxes have not already been paid pursuant to Section 4082 of the Internal Revenue Code (26 U.S.C. 4082) or NRLM diesel fuel which is undyed pursuant to §80.520(b).

(e) The provisions of paragraphs (b)(1)(iii) and (iv) of this section do not apply to facilities located in the areas specified in §80.510(g)(1) and (g)(2) unless they deliver marked heating oil or LM diesel fuel to areas outside the areas specified in §80.510(g)(1) and (g)(2).

(f) Ultimate consumers that receive any batch of high sulfur NRLM diesel fuel beginning June 1, 2007 in areas listed in §80.510(g)(2) must maintain records of each batch of fuel received for use in NRLM equipment pursuant to the compliance plan provisions of §80.554, unless otherwise allowed by EPA.

(g) Ultimate consumers that receive any batch of 500 ppm sulfur NR diesel fuel beginning June 1, 2010 or NRLM diesel fuel beginning June 1, 2012 in the areas listed in §80.510(g)(2) must maintain records of each batch of fuel received for use in NR or NRLM equipment, as appropriate, pursuant to the compliance plan provisions of §80.554, unless otherwise allowed by EPA.

(h) For purposes of this section, each portion of a shipment of designated distillate fuel under this section that is differently designated from any other portion, even if shipped as fungible product having the same sulfur content, shall be a separate batch.

(i) Additional records that must be kept by mobile facilities. Additional records that must be kept by mobile facilities. Any registered mobile facility must keep records of all contracts from any contracted components (e.g. tank truck, barge, marine tanker, rail car, etc.) in each of its registered mobile facilities.

(j) The records required in this section must be made available to the Administrator or the Administrator's designated representative upon request.

(k) Notwithstanding the provisions of this section, product transfer documents must be maintained under the provisions of §§80.590, 80.592, and 80.602.

(l) The records required in this section must be kept for five years after they are required to be collected.

(m) Identifications of fuel designations can be limited to a sub-designation that accurately identifies the fuel and do not need to also include the broader designation. For example, NR diesel fuel does not also need to be designated as NRLM or MVNRLM diesel fuel.

(n) Notwithstanding the provisions of paragraphs (b)(2) and (b)(3) of this section, for batches of 15 ppm sulfur motor vehicle diesel fuel or California diesel fuel under §80.617(b) on which taxes have been paid per Section 4082 of the Internal Revenue Code (26 U.S.C. 4082), and 15 ppm sulfur NRLM diesel fuel or California diesel fuel under §80.617(b) into which red dye has been added per Section 4082 of the Internal Revenue Code (26 U.S.C. 4082), records are not required to be maintained separately for each entity or facility to whom fuel was delivered.

(o) In addition to the requirements of §§80.592 and 80.602, the following recordkeeping requirements shall apply to aggregated facilities consisting of a refinery and truck loading terminal:

(1) Any aggregated facility consisting of a refinery and truck loading terminal shall maintain records of the following information for each batch of distillate fuel produced by the refinery and sent over the aggregated facility's truck loading terminal rack:

(i) The batch volume;

(ii) The batch number, assigned under the batch numbering procedures under §§80.65(d)(3) and 80.502(d)(1);

(iii) The date of production;

(iv) A record designating the batch as distillate fuel meeting either the 500 ppm or 15 ppm sulfur standard; and,

(v) A record indicating the volumes that were either taxed, dyed, or dyed and marked.

(2) Volume reports for all distillate fuel from external sources (*i.e.* , from another refiner or importer), as described in §80.601(f)(2), sent over the aggregated facility's truck rack.

[69 FR 39196, June 29, 2004, as amended at 70 FR 40898, July 15, 2005; 70 FR 70511, Nov. 22, 2005; 71 FR 25721, May 1, 2006]

§ 80.601 WHAT ARE THE REPORTING REQUIREMENTS FOR PURPOSES OF THE DESIGNATE AND TRACK PROVISIONS?

(a) *Quarterly compliance period reports.* Beginning February 28, 2007 and continuing through August 31, 2010, each entity required to register under §80.597 and to maintain records under §80.600 must report the following information separately for each of its facilities to the Administrator as specified in paragraph (d)(1) of this section except as provided in paragraph (e) of this section.

(l) Separately for each fuel designation category specified in paragraphs (a)(1)(i) and (a)(1)(ii) of this section and separately for each transferee facility, the total volume in gallons of distillate fuel designated under §80.598 for which custody was delivered by the reporting facility to any other entity or facility, and the EPA entity and facility registration number(s), as applicable, of the transferee.

(i) Beginning with the first compliance period and continuing up to and including the compliance period that starts April 1, 2007, fuel designated as 15 ppm or 500 ppm motor vehicle diesel fuel, or California diesel fuel as defined in §80.616 which is distributed outside the State of California pursuant to §80.617(b).

(ii) Beginning with the compliance period that starts June 1, 2007 and continuing up to and including the final reporting period, all fuel designation categories.

(2) Separately for each designation category specified in paragraphs (a)(2)(i) and (a)(2)(ii) of this section and separately for each transferor facility, the total volume in gallons of distillate fuel designated under §80.598 for which custody was received by the reporting facility, and the EPA entity and facility registration number(s), as applicable, of the transferor.

(i) Beginning with the first compliance period and continuing up to and including the compliance period that starts April 1, 2007, fuel designated as 15 ppm or 500 ppm motor vehicle diesel fuel, or California diesel fuel as defined in §80.616 which is distributed outside the State of California pursuant to §80.617(b).

(ii) Beginning with the compliance period that starts June 1, 2007 and continuing up to and including the final reporting period, all fuel designation categories.

(3) Any entity that receives custody of distillate fuel from another entity or facility that does not have an EPA facility identification number must report such batches as follows:

(i) Any batch of distillate fuel for which custody is received and which is marked pursuant to §80.510(d) or (f) shall be deemed designated as heating oil, any batch of distillate fuel for which custody is received and which is marked pursuant to §80.510(e) shall be deemed designated as heating oil or LM diesel fuel as applicable, and the report shall include that information under that designation.

(ii) Any batch of distillate fuel for which custody is received and for which taxes have been paid pursuant to Section 4082 of the Internal Revenue Code (26

U.S.C. 4082) shall be deemed designated as motor vehicle diesel fuel and the report shall include it under that designation.

(iii) Any batch of 500 ppm sulfur diesel fuel dyed pursuant to §80.520(b) and not marked pursuant to §80.510(d) and (f), and for which custody is received, shall be deemed designated as NRLM diesel fuel and the report shall include it under that designation.

(iv) Any batch of 500 ppm sulfur diesel fuel dyed pursuant to §80.520(b) and not marked pursuant to §80.510(e), and for which custody is received, shall be deemed designated as NR diesel fuel and the report shall include it under that designation.

(4) In the case of truck loading terminals, the results of all compliance calculations required under §80.599, and including:

(i) The total volumes received of each fuel designation required to be reported in paragraphs (a)(1) through (a)(3) of this section over the quarterly compliance period.

(ii) The total volumes delivered of each fuel designation required to be reported in paragraphs (a)(1) through (a)(3) of this section over the quarterly compliance period.

(iii) The total volumes produced or imported at the facility of each fuel designation required to be reported in paragraphs (a)(1) through (a)(3) of this section over the quarterly compliance period.

(iv) Beginning and ending inventories of each fuel designation required to be reported in paragraphs (a)(1) through(a)(3) of this section over the quarterly compliance period.

(v) The volume balance under §§80.599(b)(4) and 80.598(b)(9)(vi).

(vi) Beginning with the compliance period starting June 1, 2007, the volume balance under §§80.599(c)(2) and 80.598(b)(9)(viii)(A).

(b) *Annual reports.* Beginning August 31, 2007, all entities required to register under §80.597 and to maintain records for batches of fuel under §80.600 must report the following information separately for each of its facilities to the Administrator on an annual basis, as specified in paragraph (d)(2) of this section except as provided in paragraph (e) of this section.

(1) Separately for each designation category for which records are required to be kept under §80.600 and separately for each transferor facility;

(i) The total volume in gallons of distillate fuel designated under §80.598 for which custody was received by the reporting facility, and the EPA entity and facility registration number(s), as applicable, of the transferor; and

(ii) The total volume in gallons of distillate fuel designated under §80.598 which was produced or imported by the reporting facility.

(2) Separately for each designation category for which records are required to be kept under §80.600 and separately for each transferee facility, the total volume in gallons of distillate fuel designated under §80.598 for which custody was delivered by the reporting facility to any other entity or facility, and the EPA entity and facility registration number(s), as applicable, of the transferee except as provided under §80.600(a)(7), (a)(8), (b)(4), and (b)(5).

(3) The results of all compliance calculations required under §80.599, and including:

(i) The total volumes in gallons received of each fuel designation required to be reported in paragraph (b)(1) of this section over the applicable annual compliance period.

(ii) The total volumes produced or imported at the facility of each fuel designation required to be reported in paragraph (b)(1) of this section over the quarterly compliance period.

(iii) The total volumes in gallons delivered of each fuel designation required to be reported in paragraph (b)(2) of this section over the applicable annual compliance period.

(iv) Beginning and ending inventories of each fuel designation required to be reported in paragraphs (b)(1) and (b)(2) of this section for the annual compliance period.

(v) In the areas specified in §80.510(g)(2), for fuel designated as high sulfur NRLM diesel fuel delivered from June 1, 2007 through May 31, 2010, for fuel designated as 500 ppm NR diesel fuel delivered from June 1, 2010 through May 31, 2012, and for fuel designated as 500 ppm sulfur NRLM diesel fuel from June 1, 2012 through May 31, 2014, the refiner must report all information required under its compliance plan approved pursuant to §80.554(a)(4) and (b)(4) and including the ultimate consumers to whom each batch of fuel was delivered and the total delivered to each ultimate consumer for the compliance period.

(vi) Ending with the report due August 31, 2010, the volume balance under §80.598(b)(9)(vi) and §80.599(b)(4).

(vii) Ending with the report due August 31, 2010, the volume balance under §80.598(b)(9)(vii) and §80.599(b)(5), if applicable.

(viii) Ending with the report due August 31, 2010, the volume balance under §80.598(b)(9)(viii)(A) and §80.599(c)(2).

(ix) Beginning with the report due August 31, 2010, the volume balance under §80.598(b)(8)(viii)(B) and §80.599(c)(4).

(x) Beginning with the report due August 1, 2011 and ending with the report due August 1, 2012, the volume balance under §80.598(b)(9)(ix) and §80.599(d)(2).

(4) In the case of aggregated facilities consisting of a refinery and truck loading terminal, the results of annual compliance calculations under §80.598 for any distillate fuel received from an external source on which taxes have not been assessed and is not dyed and/or marked that the refinery will be handing off to another party, rather than selling over the truck loading terminal rack.

(c) *Additional information.* The Administrator may request any additional information necessary to determine compliance with the requirements of §§80.598 and 80.599.

(d) *Submission of reports for quarterly and annual compliance periods.* (1) All quarterly reports shall be submitted to the Administrator for the compliance periods defined in §80.599(a)(1) as follows:

(i) The reports for the first and second quarterly compliance periods covering June 1, 2006 to September 30, 2006 and October 1, 2006 to December 31, 2006 respectively shall be submitted by February 28, 2007.

(ii) The reports for the third and fourth quarterly compliance periods covering January 1, 2007 to March 31, 2007 and April 1, 2007 to May 31, 2007 respectively shall be submitted by August 31, 2007.

(iii) The report for the fifth quarterly compliance period covering June 1, 2007 to September 30, 2007 shall be submitted by November 30, 2007.

(iv) The report for the sixth quarterly compliance period covering October 1, 2007 to December 31, 2007 shall be submitted by February 28, 2008.

(v) The reports for the quarterly compliance periods beginning with the first period in 2008 up to and including the first period in 2010 shall be submitted as follows:

(A) The report for the period covering January 1 to March 31 shall be submitted by the following May 31.

(B) The report covering the period covering April 1 to June 30 shall be submitted by the following August 31.

(C) The report for the period from July 1 to September 30 shall be submitted by the following November 30.

(D) The report for the quarterly compliance period from October 1 to December 31 shall be submitted by the following February 28.

(vi) The report for the quarterly compliance period from April 1, 2010 to May 31, 2010 shall be submitted by August 31, 2010.

(vii) The report for the last quarterly compliance period from June 1, 2010 to September 30, 2010 shall be submitted by November 30, 2010.

(2) All annual reports shall be submitted to the Administrator for the compliance periods defined in §80.599(a)(2) by August 31.

(3) All reports shall be submitted on forms and following procedures specified by the Administrator, shall include a statement that volumes reported to the Administrator under this section are in substantial agreement to volumes reported to the Internal Revenue Service (and if these volumes are not in substantial agreement, an explanation must be included) and shall be signed and certified by a responsible corporate officer of the reporting entity.

(e) *Exclusions.* Notwithstanding the provisions of this section, an entity is not required to report under paragraphs (a) or (b) of this section for facilities whose only recordkeeping requirements under §80.600 are under §80.600 (f) or (g) or to maintain records solely related to calculating compliance with the downgrading limitation under §80.527, §80.599(e) and §80.600(b)(1)(i) and (ii).

(f) *Additional requirements for aggregated facilities consisting of a refinery and a truck loading terminal.* In addition to the reporting requirements listed by paragraphs (a) through (e) of this section, as applicable, such aggregated facilities are also subject to the following requirements:

(1) *Batch reports.* Reports containing the requirements detailed in §§80.592(f) and 80.600(m), must be submitted for all distillate produced by the refinery and sent over the truck loading terminal rack.

(2) *Quarterly volume reports.* Reports detailing the quarterly totals of all designations, including whether the fuel was taxed or contained red dye (or red dye and the yellow marker), that left the truck loading terminal rack must be submitted for all distillate received from an external source or produced by the refinery.

(3) *Quarterly hand-off reports.* (i) Reports detailing the quarterly totals of all designations of fuel received from external refiner/importer sources, if any.

(ii) Reports detailing the quarterly totals of all undesignated fuel received from external refiner/importer sources that entered the designate and track system.

[69 FR 39198, June 29, 2004, as amended at 70 FR 40898, July 15, 2005; 70 FR 70512, Nov. 22, 2005; 71 FR 25722, May 1, 2006]

§ 80.602 WHAT RECORDS MUST BE KEPT BY ENTITIES IN THE NRLM DIESEL FUEL AND DIESEL FUEL ADDITIVE PRODUCTION, IMPORTATION, AND DISTRIBUTION SYSTEMS?

(a) *Records that must be kept by parties in the NRLM diesel fuel and diesel fuel additive production, importation, and distribution systems.* Beginning June 1, 2007, or June 1, 2006, if that is the first period credits are generated under §80.535, any person who produces, imports, sells, offers for sale, dispenses, distributes, supplies, offers for supply, stores, or transports nonroad, locomotive or marine diesel fuel subject to the provisions of this subpart, must keep the following records:

(1) The applicable product transfer documents required under §§80.590 and 80.591.

(2) For any sampling and testing for sulfur content for a batch of NRLM diesel fuel produced or imported and subject to the 15 ppm sulfur standard or any sampling and testing for sulfur content as part of a quality assurance testing program, and any sampling and testing for cetane index, aromatics content, marker solvent yellow 124 content or dye solvent red 164 content of NRLM diesel fuel, NRLM diesel fuel additives or heating oil:

(i) The location, date, time and storage tank or truck identification for each sample collected;

(ii) The name and title of the person who collected the sample and the person who performed the testing; and

(iii) The results of the tests for sulfur content (including, where applicable, the test results with and without application of the adjustment factor under §80.580(d)), for cetane index or aromatics content, dye solvent red 164, marker solvent yellow 124 (as applicable), and the volume of product in the storage tank or container from which the sample was taken.

(3) The actions the party has taken, if any, to stop the sale or distribution of any NRLM diesel fuel found not to be in compliance with the sulfur standards specified in this subpart, and the actions the party has taken, if any, to identify the cause of any noncompliance and prevent future instances of noncompliance.

(b) *Additional records to be kept by refiners and importers of NRLM diesel fuel.* Beginning June 1, 2007, or June 1, 2006, pursuant to the provisions of §80.535 or §80.554(d), any refiner producing diesel fuel subject to a sulfur standard under §80.510, §80.513, §80.536, §80.554, §80.560, or §80.561, for each of its refineries, and any importer importing such diesel fuel separately for each facility, shall keep records that include the following information for each batch of NRLM diesel fuel or heating oil produced or imported:

(1) The batch volume.

(2) The batch number, assigned under the batch numbering procedures under §80.65(d)(3).

(3) The date of production or import.

(4) A record designating the batch as one of the following:

(i) NRLM diesel fuel, NR diesel fuel, LM diesel fuel, or heating oil, as applicable.

(ii) Meeting the 500 ppm sulfur standard of §80.510(a) or the 15 ppm sulfur standard of §80.510(b) and (c) or other applicable standard.

(iii) Dyed or undyed with visible evidence of solvent red 164.

(iv) Marked or unmarked with solvent yellow 124.

(5) For foreign refiners and importers of their fuel, the designations and other records required to be kept under §80.620.

(6) All of the following information regarding credits, kept separately for each compliance period, kept separately for each refinery and for each importer facility, kept separately if converted under §80.535(a) and (b) or §80.535(c) and (d), and kept separately from motor vehicle diesel fuel credits:

(i) The number of credits in the refiner's or importer's possession at the beginning of the calendar year.

(ii) The number of credits generated.

(iii) The number of credits used.

(iv) If any were obtained from or transferred to other parties, for each other party, its name, its EPA refiner or importer registration number consistent with §80.597, and the number obtained from, or transferred to, the other party.

(v) The number in the refiner's or importer's possession that will carry over into the subsequent calendar year compliance period.

(vi) Commercial documents that establish each transfer of credits from the transferor to the transferee.

(7) The calculations used to determine baselines or compliance with the volume requirements and volume percentages, as applicable, under this subpart.

(8) The calculations used to determine the number of credits generated.

(9) A copy of reports submitted to EPA under §80.604.

(c) *Additional records importers must keep.* Any importer shall keep records that identify and verify the source of each batch of certified DFR-Diesel and non-certified DFR-Diesel imported and demonstrate compliance with the requirements under §80.620.

(d) *Additional records that must be kept by mobile facilities.* Any registered mobile facility must keep records of all contracts from any contracted components (*e.g.* tank truck, barge, marine tanker, rail car, etc.) of each of its registered mobile facilities.

(e) *Length of time records must be kept.* The records required in this section shall be kept for five years from the date they were created, except that records relating to credit transfers shall be kept by the transferor for five years from the date the credits were transferred, and shall be kept by the transferee for five years from the date the credits were transferred, used or terminated, whichever is later.

(f) *Make records available to EPA.* On request by EPA, the records required in this section must be made available to the Administrator or the Administrator's representative. For records that are electronically generated or maintained, the equipment and software necessary to read the records shall be made available, or if requested by EPA, electronic records shall be converted to paper documents which shall be provided to the Administrator's authorized representative.

(g) *Additional records to be kept by aggregated facilities consisting of a refinery and a truck loading terminal.* In addition to the applicable records required by paragraphs (a) through (f) of this section, such aggregated facilities must also keep the following records:

(1) The following information for each batch of motor vehicle diesel fuel produced by the refinery and sent over the aggregated facility's truck rack:

(i) The batch volume;

(ii) The batch number, assigned under the batch numbering procedures under §§80.65(d)(3) and 80.502(d)(1);

(iii) The date of production;

(iv) A record designating the batch as one of the following:

(A) NRLM diesel fuel, NR diesel fuel, LM diesel fuel, or heating oil, as applicable.

(B) Meeting the 500 ppm sulfur standard of §80.510(a) or the 15 ppm sulfur standard of §80.510(b) and (c) or other applicable standard.

(C) Dyed or undyed with visible evidence of solvent red 164.

(D) Marked or unmarked with solvent yellow 124.

(2) Hand-off reports for all distillate fuel from external sources (*i.e.* , from another refiner or importer), as described in §80.601(f)(2).

[69 FR 39199, June 29, 2004, as amended at 70 FR 70513, Nov. 22, 2005; 71 FR 25723, May 1, 2006]

§ 80.603 WHAT ARE THE PRE-COMPLIANCE REPORTING REQUIREMENTS FOR NRLM DIESEL FUEL?

(a) Except as provided in paragraph (c) of this section, beginning on June 1, 2005, and for each year until June 1, 2011, or until the entity produces or imports NR or NRLM diesel fuel meeting the 15 ppm sulfur standard of §80.510(b) or (c), all refiners and importers planning to produce or import NR or NRLM diesel fuel, shall submit the following information to EPA:

(1) Any changes to the information submitted for the company registration;

(2) Any changes to the information submitted for any refinery or import facility registration;

(3) Any estimate of the average daily volumes (in gallons) of each sulfur grade of motor vehicle and NRLM diesel fuel produced (or imported) at each refinery (or import facility). These volume estimates must be provided both for fuel produced from crude oil, as well as any fuel produced from other sources, and must be provided for the periods of June 1, 2010 through December 31, 2010, calendar years 2011 through 2013, January 1, 2014 through May 31, 2014, and June 1, 2014 through December 31, 2014;

(4) If expecting to participate in the credit trading program, estimates of the number of credits to be generated and/or used each year the program;

(5) Information on project schedule by quarter of known or projected completion date by the stage of the project, for example, following the five project phases described in EPA's June 2002 Highway Diesel Progress Review report (EPA420-R–02–016, *http://www.epa.gov/otaq/regs/hd2007/420r02016.pdf*): Strategic planning, Planning and front-end engineering, Detailed engineering and permitting, Procurement and construction, and Commissioning and startup;

(6) Basic information regarding the selected technology pathway for compliance (*e.g.* , conventional hydro treating vs. other technologies, revamp vs. grassroots, etc.);

(7) Whether capital commitments have been made or are projected to be made; and

(8) The pre-compliance reports due in 2006 and later years must provide an update of the progress in each of these areas.

(b) Reports under this section may be submitted in conjunction with reports submitted under §80.594.

(c) The pre-compliance reporting requirements of this section do not apply to refineries subject to the provisions of §80.513.

[69 FR 39200, June 29, 2004]

§ 80.604 WHAT ARE THE ANNUAL REPORTING REQUIREMENTS FOR REFINERS AND IMPORTERS OF NRLM DIESEL FUEL?

Beginning with the annual compliance period that begins June 1, 2007, or the first period during which credits are generated, transferred or used, or the first period during which NRLM diesel fuel or heating oil is produced under a small refiner compliance option under this subpart, whichever is earlier, any refiner or importer who produces or imports NRLM diesel fuel must submit annual compliance reports for each refinery and importer facility that contain the following information required, and such other information as EPA may require.

(a) *All refiners and importers.* (1) The refiner or importer's company name and the EPA company and facility identification number.

(2) If the refiner is a small refiner, a statement regarding to which small refiner option it is subject.

(b) *Small refiners.* (1) For each refinery of small refiners subject to the provisions of §80.551(g) and §80.554(a) for each compliance period from June 1, 2007 through May 31, 2010, report the following:

(i) The total volume of diesel fuel produced and designated as NRLM diesel fuel.

(ii) The volume of diesel fuel produced and designated as NRLM diesel fuel having a sulfur content less than or equal to the 500 ppm sulfur standard under §80.510(a).

(iii) The total volume of diesel fuel produced and designated as NRLM diesel fuel having a sulfur content greater than the 500 ppm sulfur standard under §80.510(a).

(iv) The total volume of heating oil produced.

(v) The baseline under §80.554(a)(1).

(vi) The total volume of diesel fuel produced and designated as NRLM diesel fuel that is exempt from the 500 ppm sulfur standard of §80.510(a).

(vii) The total volume, if any, of NRLM diesel fuel subject to the 500 ppm sulfur standard §80.510(a) that had a sulfur content exceeding 500 ppm.

(2) For each refinery of small refiners subject to the provisions of §80.551(g) and §80.554(b), for each compliance period between June 1, 2010 and May 31, 2012, report the following:

(i) The total volume of diesel fuel produced and designated as NR diesel fuel.

(ii) The total volume of diesel fuel produced and designated as LM diesel fuel.

(iii) The total volume of diesel fuel produced and designated as NR diesel fuel subject to the 500 ppm sulfur standard under §80.510(a).

(iv) The total volume of diesel fuel produced and designated as LM diesel fuel subject to the 500 ppm sulfur standard under §80.510(a).

(v) The volume of diesel fuel produced and designated as NR diesel fuel having a sulfur content of 15 ppm or less.

(vi) The baseline under §80.554(b)(1).

(vii) The total volume of NRLM diesel fuel produced that is eligible for the sulfur standard under §80.510(a).

(viii) The total volume, if any, of NRLM diesel fuel subject to the 15 ppm sulfur standard that had a sulfur content in excess of 15 ppm.

(3) For each refinery of small refiners subject to the provisions of §80.551(g) and §80.554(b), for each compliance period between June 1, 2012 and May 31, 2014, report the following:

(i) The total volume of diesel fuel produced and designated as NRLM diesel fuel.

(ii) The total volume diesel fuel produced and designated as NRLM diesel fuel subject to the 500 ppm sulfur standard under §80.510(a).

(iii) The total volume of diesel fuel produced and designated as NRLM diesel fuel having a sulfur content less than or equal to the 15 ppm sulfur standard under §80.510(c).

(iv) The baseline under §80.554(b)(1).

(v) The total volume of NRLM diesel fuel produced that is eligible for the 500 ppm sulfur standard under §80.510(a).

(vi) The total volume, if any, of NRLM diesel fuel subject to the 15 ppm sulfur standard that had a sulfur content in excess of 15 ppm.

(4) For each refinery of a small refiner that elects to produce NRLM diesel fuel subject to the 15 ppm sulfur standard of §80.510(c) beginning June 1, 2006 under §80.551(g) and §80.554(d), for each compliance period report the following:

(i) The total volume of diesel fuel produced and designated as NRLM diesel fuel.

(ii) The total volume of diesel fuel produced and designated as NRLM diesel fuel having a sulfur content less than or equal to 15 ppm.

(iii) The percentages of NRLM diesel fuel produced and designated having a sulfur content less than or equal to 15 ppm under §80.554(d)(1)(i) and (ii).

(iv) The deficit, if any, and the number of credits purchased, if any, to cover any deficit as provided in §80.554(d)(3).

(v) A report of the small refiner's progress toward compliance with the gasoline standards under §§80.240 and 80.255.

(c) *Credit generation and use.* Information regarding the generation, use, transfer and retirement of credits, separately by refinery and import facility, including the following:

(1) The number of credits at the beginning of the compliance period.

(2) The number of credits generated.

(3) The number of credits used.

(4) If any credits were obtained from or transferred to other refineries or importers, for each other refinery or importer, the name, address, the EPA company identification number, and the number of credits obtained from or transferred to the other party.

(5) The number of credits retired.

(6) The credit balance at the beginning and end of the compliance period.

(d) *Batch reports.* For each batch of NRLM diesel fuel and heating oil (if applicable) produced or imported and delivered during the compliance periods under paragraph (b) of this section, include the following:

(1) The batch volume.

(2) The batch number assigned using the batch numbering conventions under §80.65(d)(3) and the appropriate designation under §80.598.

(3) The date of production or import.

(4) For each batch provide the information specified in paragraph (a)(1) of this section.

(5) [Reserved]

(6) Whether the batch was dyed with visible evidence of dye solvent red 164 before leaving the refinery or import facility or was undyed.

(7) Whether the batch was marked with marker solvent yellow 124 before leaving the refinery or import facility or was unmarked.

(e) *Additional reporting requirements for importers.* Importers of NRLM diesel fuel are subject to the following additional requirements:

(1) The reporting requirements under §80.620, if applicable.

(2) Importers must exclude certified DFR-Diesel from calculations under this section.

(f) *Report submission.* Any report required by this section must be—

(1) On forms and following procedures specified by the Administrator of EPA;

(2) Signed and certified as meeting all the applicable requirements of this subpart by the owner or a responsible corporate officer of the refiner or importer; and

(3) Except for small refiners subject to §80.554(d), submitted to EPA no later than August 31 each year for the prior annual compliance period. Small

refiners subject to the provisions of §80.554(d), reports must be submitted August 31 for the previous reporting period.

(4) With the exception of reports required under paragraph (b)(3) of this section, no reports will be required under this section after August 31, 2014.

[69 FR 39200, June 29, 2004, as amended at 70 FR 40899, July 15, 2005]

EXEMPTIONS

§ 80.605 [RESERVED]

§ 80.606 WHAT NATIONAL SECURITY EXEMPTION APPLIES TO DISTILLATE FUEL?

(a) The motor vehicle diesel fuel standards of §80.520(a)(1), (a)(2), and (c) and the nonroad, locomotive or marine diesel fuel standards of §80.510(a), (b), and (c) do not apply to distillate fuel that is produced, imported, sold, offered for sale, supplied, offered for supply, stored, dispensed, or transported for use in—

(1) Tactical military motor vehicles or tactical military nonroad engines, vehicles or equipment, including locomotive and marine, having an EPA national security exemption from the motor vehicle emissions standards under 40 CFR 85.1708, or from the nonroad engine emission standards under 40 CFR part 89, 40 CFR part 92, 40 CFR part 94, or 40 CFR part 1068; and

(2) Tactical military motor vehicles or tactical military nonroad engines, vehicles or equipment, including locomotive and marine, that are not subject to a national security exemption from vehicle or engine emissions standards as described in paragraph (a)(1) of this section but, for national security purposes (for purposes of readiness for deployment oversees), need to be fueled on the same fuel as the vehicles, engines, or equipment for which EPA has granted such a national security exemption.

(b) The exempt fuel must meet the following conditions:

(1) It must be accompanied by product transfer documents as required under §80.590;

(2) It must be segregated from non-exempt MVNRLM diesel fuel at all points in the distribution system;

(3) It must be dispensed from a fuel pump stand, fueling truck or tank that is labeled with the appropriate designation of the fuel, such as “JP–5” or “JP–8”; and

(4) It may not be used in any motor vehicles or nonroad engines, equipment or vehicles, including locomotive and marine, other than the vehicles, engines, and equipment referred to in paragraph (a) of this section.

[69 FR 39201, June 29, 2004]

§ 80.607 WHAT ARE THE REQUIREMENTS FOR OBTAINING AN EXEMPTION FOR DIESEL FUEL USED FOR RESEARCH, DEVELOPMENT OR TESTING PURPOSES?

(a) *Written request for a research and development exemption.* Any person may receive an exemption from the provisions of this subpart for diesel fuel used for research, development, or testing purposes by submitting the information listed in paragraph (c) of this section to:

Director, Transportation and Regional Programs Division (6406J), U.S. Environmental Protection Agency, 1200 Pennsylvania Avenue, NW., Washington, DC 20460 (postal mail); or Director, Transportation and Regional Programs Division, U.S. Environmental Protection Agency, 1310 L Street, NW., 6th floor, Washington, DC 20005 (express mail/courier); and Director, Air Enforcement Division (2242A), U.S. Environmental Protection Agency, Ariel Rios Building, 1200 Pennsylvania Avenue, NW., Washington, DC 20460.

(b) *Criteria for a research and development exemption.* For a research and development exemption to be granted, the person requesting an exemption must—

(1) Demonstrate a purpose that constitutes an appropriate basis for exemption;

(2) Demonstrate that an exemption is necessary;

(3) Design a research and development program to be reasonable in scope; and

(4) Exercise a degree of control consistent with the purpose of the program and EPA's monitoring requirements.

(c) *Information required to be submitted.* To demonstrate each of the elements in paragraphs (b)(1) through (4) of this section, the person requesting an exemption must include the following information in the written request required under paragraph (a) of this section:

(1) A concise statement of the purpose of the program demonstrating that the program has an appropriate research and development purpose.

(2) An explanation of why the stated purpose of the program cannot be achieved in a practicable manner without performing one or more of the prohibited

acts under this subpart.

(3) To demonstrate the reasonableness of the scope of the program:

(i) An estimate of the program's duration in time and, if appropriate, mileage;

(ii) An estimate of the maximum number of vehicles or engines involved in the program;

(iii) The manner in which the information on vehicles and engines used in the program will be recorded and made available to the Administrator upon request; and

(iv) The quantity of diesel fuel which does not comply with the requirements of §§80.520 and 80.521 for motor vehicle diesel fuel or §80.510 for NRLM diesel fuel.

(4) With regard to control, a demonstration that the program affords EPA a monitoring capability, including the following:

(i) The site(s) of the program (including facility name, street address, city, county, state, and zip code);

(ii) The manner in which information on vehicles and engines used in the program will be recorded and made available to the Administrator upon request;

(iii) The manner in which information on the diesel fuel used in the program (including quantity, fuel properties, name, address, telephone number and contact person of the supplier, and the date received from the supplier), will be recorded and made available to the Administrator upon request;

(iv) The manner in which the party will ensure that the research and development fuel will be segregated from motor vehicle diesel fuel or NRLM diesel fuel, as applicable, and how fuel pumps will be labeled to ensure proper use of the research and development diesel fuel;

(v) The name, address, telephone number and title of the person(s) in the organization requesting an exemption from whom further information on the application may be obtained; and

(vi) The name, address, telephone number and title of the person(s) in the organization requesting an exemption who is responsible for recording and making available the information specified in this paragraph (c), and the location where such information will be maintained.

(d) *Additional requirements.* (1) The product transfer documents associated with research and development motor vehicle diesel fuel must comply with requirements of §80.590(b)(3).

(2) The research and development diesel fuel must be designated by the refiner or supplier, as applicable, as research and development diesel fuel.

(3) The research and development diesel fuel must be kept segregated from non-exempt MVNRLM diesel fuel at all points in the distribution system.

(4) The research and development diesel fuel must not be sold, distributed, offered for sale or distribution, dispensed, supplied, offered for supply, transported to or from, or stored by a diesel fuel retail outlet, or by a wholesale purchaser-consumer facility, unless the wholesale purchaser-consumer facility is associated with the research and development program that uses the diesel fuel.

(5) At the completion of the program, any emission control systems or elements of design which are damaged or rendered inoperative shall be replaced on vehicles remaining in service, or the responsible person will be liable for a violation of the Clean Air Act section 203(a)(3) (42 U.S.C. 7522 (a)(3)) unless sufficient evidence is supplied that the emission controls or elements of design were not damaged.

(e) *Mechanism for granting of an exemption.* A request for a research and development exemption will be deemed approved by the earlier of 60 days from the date on which EPA receives the request for exemption, (provided that EPA has not notified the applicant of potential disapproval by that time), or the date on which the applicant receives a written approval letter from EPA.

(1) The volume of diesel fuel subject to the approval shall not exceed the estimated amount under paragraph (c)(3)(iv) of this section, unless EPA grants a greater amount in writing.

(2) Any exemption granted under this section will expire at the completion of the test program or three years from the date of approval, whichever occurs first, and may only be extended upon re-application consistent will all requirements of this section.

(3) The passage of 60 days will not signify the acceptance by EPA of the validity of the information in the request for an exemption. EPA may elect at any time to review the information contained in the request, and where appropriate may notify the responsible person of disapproval of the exemption.

(4) In granting an exemption the Administrator may include terms and conditions, including replacement of emission control devices or elements of design, that the Administrator determines are necessary for monitoring the exemption and for assuring that the purposes of this subpart are met.

(5) Any violation of a term or condition of the exemption, or of any requirement of this section, will cause the exemption to be void *ab initio.*

(6) If any information required under paragraph (c) of this section should change after approval of the exemption, the responsible person must notify EPA in writing immediately. Failure to do so may result in disapproval of the exemption or may make it void *ab initio,* and may make the party liable for a violation of this subpart.

(f) *Effects of exemption.* Motor vehicle diesel fuel or NRLM diesel fuel that is subject to a research and development exemption under this section is exempt from other provisions of this subpart provided that the fuel is used in a manner that complies with the purpose of the program under paragraph (c) of this section and the requirements of this section.

(g) *Notification of completion.* The party shall notify EPA in writing within 30 days after completion of the research and development program.

[69 FR 39202, June 29, 2004]

§ 80.608 WHAT REQUIREMENTS APPLY TO DIESEL FUEL FOR USE IN THE TERRITORIES?

The sulfur standards of §80.520(a)(1) and (c) related to motor vehicle diesel fuel, and of §80.510(a), (b), and (c) related to NRLM diesel fuel, do not apply to diesel fuel that is produced, imported, sold, offered for sale, supplied, offered for supply, stored, dispensed, or transported for use in the Territories of Guam, American Samoa or the Commonwealth of the Northern Mariana Islands, provided that such diesel fuel is—

(a) Designated by the refiner or importer as high sulfur diesel fuel only for use in Guam, American Samoa, or the Commonwealth of the Northern Mariana Islands;

(b) Used only in Guam, American Samoa, or the Commonwealth of the Northern Mariana Islands;

(c) Accompanied by documentation that complies with the product transfer document requirements of §80.590(b)(1); and

(d) Segregated from non-exempt MVNRLM diesel fuel at all points in the distribution system from the point the diesel fuel is designated as exempt fuel only for use in Guam, American Samoa, or the Commonwealth of the Northern Mariana Islands, while the exempt fuel is in the United States but outside these Territories.

[69 FR 39203, June 29, 2004]

§ 80.609 [RESERVED]

VIOLATION PROVISIONS

§ 80.610 WHAT ACTS ARE PROHIBITED UNDER THE DIESEL FUEL SULFUR PROGRAM?

No person shall—

(a) *Standard, dye, marker or product violation.* (1) Produce, import, sell, offer for sale, dispense, supply, offer for supply, store or transport motor vehicle diesel fuel, NRLM diesel fuel, or heating oil that does not comply with the applicable standards, dye, marking or any other product requirements under this subpart I and 40 CFR part 69.

(2) Beginning June 1, 2007, produce, import, sell, offer for sale, dispense, supply, offer for supply, store or transport any diesel fuel for use in motor vehicle or nonroad engines that contains greater than 0.10 milligrams per liter of solvent yellow 124, except for 500 ppm sulfur diesel fuel produced or imported from June 1, 2010 through September 30, 2012 for use only in locomotive or marine diesel engines that is marked under the provisions of §80.510(e).

(3) Beginning June 1, 2007, produce, import, sell, offer for sale, dispense, supply, offer for supply, store or transport heating oil for use in any nonroad diesel engine, including any locomotive or marine diesel engine.

(b) *Designation and volume balance violation.* Produce, import, sell, offer for sale, dispense, supply, offer for supply, store or transport motor vehicle diesel, NRLM diesel fuel, heating oil or other distillate that does not comply with the applicable designation or volume balance requirements under §§80.598 and 80.599.

(c) *Additive violation.* (1) Produce, import, sell, offer for sale, dispense, supply, offer for supply, store or transport any motor vehicle diesel fuel additive or NRLM diesel fuel additive for use at a downstream location that does not comply with the applicable requirements of §80.521.

(2) Blend or permit the blending into motor vehicle diesel fuel or NRLM diesel fuel at a downstream location, or use, or permit the use, in motor vehicle diesel fuel or NRLM diesel fuel, of any additive that does not comply with the applicable requirements of §80.521.

(d) *Used motor oil violation.* Introduce into the fuel system of a model year 2007 or later diesel motor vehicle or model year 2011 or later nonroad diesel engine (except for locomotive or marine engines) or other nonroad diesel engine certified for the use of 15 ppm sulfur content fuel, or permit the introduction into the fuel system of such vehicle or nonroad engine of used motor oil, or used motor oil blended with diesel fuel, that does not comply with the requirements of §80.522.

(e) *Improper fuel usage violation.* (1) Introduce, or permit the introduction of, fuel into model year 2007 or later diesel motor vehicles, and beginning December 1, 2010 into any diesel motor vehicle, that does not comply with the standards and dye requirements of §80.520(a) and (b);

(2) Introduce, or permit the introduction of, fuel into any nonroad diesel engine (including any locomotive or marine diesel engine) that does not comply with the applicable standards, dye and marking requirements of §80.510(a), (d), and (e) and §80.520(b) beginning on the following dates:

(i) This prohibition begins December 1, 2007 in the areas specified in §80.510(g)(1) and (g)(2), except as specified in paragraph (e)(2)(ii) of this section.

(ii) This prohibition begins December 1, 2010 in the area specified in §80.510(g)(2) for NRLM diesel fuel that is produced in accordance with a compliance

plan approved under §80.554.

(iii) This prohibition begins December 1, 2010 in all other areas.

(3) Introduce, or permit the introduction of, fuel into any nonroad diesel engine (other than locomotive and marine diesel engines) that does not comply with the applicable standards, dye and marking requirements of §80.510(b) and (e) beginning on the following dates:

(i) This prohibition begins December 1, 2010 in the areas specified in §80.510(g)(1) and (g)(2), except as specified paragraph (e)(3)(ii) of this section.

(ii) This prohibition begins December 1, 2014 in the area specified in §80.510(g)(2) for NRLM diesel fuel that is produced in accordance with a compliance plan approved under §80.554.

(iii) This prohibition begins beginning December 1, 2014 in all other areas.

(4) Introduce, or permit the introduction of, fuel into any locomotive and marine diesel engine which does not comply with the applicable standards, dye and marking requirements of §80.510(c) and §80.510(f) in the following areas beginning on the following dates:

(i) This prohibition begins December 1, 2012 in the areas specified in §80.510(g)(1) and (g)(2), except as specified in paragraph (e)(4)(ii) of this section.

(ii) This prohibition does not apply in the area specified in §80.510(g)(2) for NRLM diesel fuel that is produced in accordance with a compliance plan approved under §80.554.

(iii) This prohibition does not apply in any other areas.

(5) Introduce, or permit the introduction of, fuel into any model year 2011 or later nonroad diesel engine certified for use on 15 ppm sulfur content fuel, diesel fuel which does not comply with the applicable standards, dye and marking requirements of §80.510(b) through (f).

(f) *Cause another party to violate.* Cause another person to commit an act in violation of paragraphs (a) through (e) of this section.

(g) *Cause violating fuel or additive to be in the distribution system.* Cause motor vehicle diesel fuel, or NRLM diesel fuel, to be in the diesel fuel distribution system which does not comply with the applicable standard, dye or marker requirements or the product segregation requirements of this Subpart I, or cause any diesel fuel additive to be in the diesel fuel additive distribution system which does not comply with the applicable sulfur standards under §80.521.

[69 FR 39203, June 29, 2004]

§ 80.611 WHAT EVIDENCE MAY BE USED TO DETERMINE COMPLIANCE WITH THE PROHIBITIONS AND REQUIREMENTS OF THIS SUBPART AND LIABILITY FOR VIOLATIONS OF THIS SUBPART?

(a) *Compliance with sulfur, cetane, and aromatics standards, dye and marker requirements.* Compliance with the standards, dye, and marker requirements in §§80.510, 80.511, 80.520, and 80.521 shall be determined based on the level of the applicable component or parameter, using the sampling methodologies specified in §80.330(b), as applicable, and an approved testing methodology under the provisions of §§80.580 through 80.586 for sulfur; §80.2(w) for cetane index; §80.2(z) for aromatic content; and §80.582 for fuel marker. Any evidence or information, including the exclusive use of such evidence or information, may be used to establish the level of the applicable component or parameter in the diesel fuel or additive, or motor oil to be used in diesel fuel, if the evidence or information is relevant to whether that level would have been in compliance with the standard if the regulatory sampling and testing methodology had been correctly performed. Such evidence may be obtained from any source or location and may include, but is not limited to, test results using methods other than the compliance methods in this paragraph (a), business records, and commercial documents.

(b) *Compliance with other requirements.* Determination of compliance with the requirements and prohibitions of this subpart other than the standards described in paragraph (a) of this section and in §§80.510, 80.511, 80.520, and 80.521, and determination of liability for any violation of this subpart, may be based on information obtained from any source or location. Such information may include, but is not limited to, business records and commercial documents.

[69 FR 39204, June 29, 2004]

§ 80.612 WHO IS LIABLE FOR VIOLATIONS OF THIS SUBPART?

(a) *Persons liable for violations of prohibited acts* —(1) *Standard, dye, marker, additives, used motor oil, heating oil, fuel introduction, and other product requirement violations.* (i) Any refiner, importer, distributor, reseller, carrier, retailer, wholesale purchaser-consumer who owned, leased, operated, controlled or supervised a facility where a violation of any provision of §80.610(a) through (e) occurred, or any other person who violates any provision of §80.610(a) through (e), is deemed liable for the applicable violation, except that distributors who receive diesel fuel or distillate from the point where it is taxed, dyed or marked, and retailers and wholesale purchaser-consumers are not deemed liable for any violation of §80.610(b).

(ii) Any person who causes another person to violate §80.610(a) through (e) is liable for a violation of §80.610(f).

(iii) Any refiner, importer, distributor, reseller, carrier, retailer, or wholesale purchaser-consumer who produced, imported, sold, offered for sale, dispensed, supplied, offered to supply, stored, transported, or caused the transportation or storage of, diesel fuel or distillate that violates §80.610(a), is deemed in violation of §80.610(f).

(iv) Any person who produced, imported, sold, offered for sale, dispensed, supplied, offered to supply, stored, transported, or caused the transportation or storage of a diesel fuel additive which is used in motor vehicle diesel fuel or NRLM diesel fuel that is found to violate §80.610(a), is deemed in violation of §80.610(f).

(2) *Cause violating diesel fuel or additive to be in the distribution system.* Any refiner, importer, distributor, reseller, carrier, retailer, or wholesale purchaser-consumer or any other person who owned, leased, operated, controlled or supervised a facility from which distillate fuel or additive was released into the distribution system which does not comply with the applicable standards, marking or dye requirements of this Subpart I is deemed in violation of §80.610(g).

(3) *Branded refiner/importer liability.* Any refiner or importer whose corporate, trade, or brand name, or whose marketing subsidiary's corporate, trade, or brand name appeared at a facility where a violation of §80.610(a) or (b) occurred, is deemed in violation of §80.610(a) or (b), as applicable.

(4) *Carrier causation.* In order for a distillate fuel or diesel fuel additive carrier to be liable under paragraph (a)(1)(ii), (a)(1)(iii), or (a)(1)(iv) of this section, as applicable, EPA must demonstrate, by reasonably specific showing by direct or circumstantial evidence, that the carrier caused the violation.

(5) *Parent corporation.* Any parent corporation is liable for any violations of this subpart that are committed by any subsidiary.

(6) *Joint venture.* Each partner to a joint venture is jointly and severally liable for any violation of this subpart that occurs at the joint venture facility or is committed by the joint venture operation.

(b) *Persons liable for failure to comply with other provisions of this subpart.* Any person who:

(1) Fails to comply with the requirements of a provision of this subpart not addressed in paragraph (a) of this section is liable for a violation of that provision; or

(2) Causes another person to fail to comply with the requirements of a provision of this subpart not addressed in paragraph (a) of this section, is liable for causing a violation of that provision.

[66 FR 5136, Jan. 18, 2001, as amended at 69 FR 39204, June 29, 2004]

§ 80.613 WHAT DEFENSES APPLY TO PERSONS DEEMED LIABLE FOR A VIOLATION OF A PROHIBITED ACT UNDER THIS SUBPART?

(a) *Presumptive liability defenses.* (1) Any person deemed liable for a violation of a prohibition under §80.612(a)(1)(i), (a)(1)(iii), (a)(2), or (a)(3), will not be deemed in violation if the person demonstrates all of the following, as applicable:

(i) The violation was not caused by the person or the person's employee or agent;

(ii) Product transfer documents account for fuel or additive found to be in violation and indicate that the violating product was in compliance with the applicable requirements when it was under the person's control;

(iii) The person conducted a quality assurance sampling and testing program, as described in paragraph (d) of this section, except for those persons subject to the provisions of paragraph (a)(1)(iv), (a)(1)(v), or (a)(1)(vi) of this section or §80.614. A carrier may rely on the quality assurance program carried out by another party, including the party who owns the diesel fuel in question, provided that the quality assurance program is carried out properly. Retailers, wholesale purchaser-consumers, and ultimate consumers of diesel fuel are not required to conduct quality assurance programs;

(iv) For refiners and importers of diesel fuel subject to the 15 ppm sulfur standard under §80.510(b) or (c), or §80.520(a)(1), or the 500 ppm sulfur standard under §80.510(a) or 80.520(c), test results that—

(A) Were conducted according to an appropriate test methodology approved or designated under §§80.580 through 80.586, 80.2(w), or 80.2(z), as appropriate; and

(B) Establish that, when it left the party's control, the fuel did not violate the sulfur, cetane or aromatics standard, or the dye or marking provisions of §§80.510 or 80.511, as applicable;

(v) For any truck loading terminal or any other person who delivers heating oil for delivery to the ultimate consumer and is subject to the requirement to mark heating oil or LM diesel fuel under §80.510(d) through (f), data which demonstrates that when it left the truck loading terminal or other facility, the concentration of marker solvent yellow 124 was equal to or greater than six milligrams per liter. In lieu of testing for marker solvent yellow 124 concentration, evidence may be presented of an oversight program, including records of marker inventory, purchase and additization, and records of periodic inspection and calibration of additization equipment that ensures that marker is added to heating oil or LM diesel fuel, as applicable, under §80.510(d) through (f) in the required concentration;

(vi) Except as provided in §80.614, for any person who, at a downstream location, blends a diesel fuel additive subject to the requirements of §80.521(b) into motor vehicle diesel fuel or NRLM diesel fuel subject to the 15 ppm sulfur standard under §80.520(a) or §80.510(b) or (c), except a person who blends additives into fuel tanker trucks at a truck loading rack subject to the provisions of paragraph (d)(2) of this section, test results which are conducted subsequent to the blending of the additive into the fuel, and which comply with the requirements of paragraphs (a)(1)(iv)(A) and (B) of this section; and

(vii) Any person deemed liable for a designation or volume balance provisions violation under §80.610(b) and 80.612(a) will not be deemed in violation if the person demonstrates, through product transfer documents, records, reports and other evidence that the diesel fuel or distillate was properly designated and

volume balance requirements were met.

(2) Any person deemed liable for a violation under §80.612(a)(1)(iv), in regard to a diesel fuel additive subject to the requirements of §80.521(a), will not be deemed in violation if the person demonstrates that—

(i) Product transfer document(s) account for the additive in the fuel found to be in violation, which comply with the requirements under §80.591(a), and indicate that the additive was in compliance with the applicable requirements while it was under the party's control; and

(ii) For the additive's manufacturer or importer, test results which accurately establish that, when it left the party's control, the additive in the diesel fuel determined to be in violation did not have a sulfur content greater than or equal to 15 ppm.

(A) Analysis of the additive sulfur content pursuant to this paragraph (a)(2) may be conducted at the time the batch was manufactured or imported, or on a sample of that batch which the manufacturer or importer retains for such purpose for a minimum of two years from the date the batch was manufactured or imported.

(B) After two years from the date the additive batch was manufactured or imported, the additive manufacturer or importer is no longer required to retain samples for the purpose of complying with the testing requirements of this paragraph (a)(2).

(C) The analysis of the sulfur content of the additive must be conducted pursuant to the requirements of §80.580.

(3) Any person who is deemed liable for a violation under §80.612(a)(1)(iv) with regard to a diesel fuel additive subject to the requirements of §80.521(b), will not be deemed in violation if the person demonstrates that—

(i) The violation was not caused by the party or the party's employee or agent;

(ii) Product transfer document(s) which comply with the additive information requirements under §80.591(b), account for the additive in the fuel found to be in violation, and indicate that the additive was in compliance with the applicable requirements while it was under the party's control; and

(iii) For the additive's manufacturer or importer, test results which accurately establish that, when it left the party's control, the additive in the diesel fuel determined to be in violation was in conformity with the information on the additive product transfer document pursuant to the requirements of §80.591(b). The testing procedures applicable under paragraph (a)(2) of this section, also apply under this paragraph (a)(3).

(b) *Branded refiner defenses.* In the case of a violation found at a facility operating under the corporate, trade or brand name of a refiner or importer, or a refiner's or importer's marketing subsidiary, the refiner or importer must show, in addition to the defense elements required under paragraph (a)(1) of this section, that the violation was caused by:

(1) An act in violation of law (other than the Clean Air Act or this Part 80), or an act of sabotage or vandalism;

(2) The action of any refiner, importer, retailer, distributor, reseller, oxygenate blender, carrier, retailer or wholesale purchaser-consumer in violation of a contractual agreement between the branded refiner or importer and the person designed to prevent such action, and despite periodic sampling and testing by the branded refiner or importer to ensure compliance with such contractual obligation; or

(3) The action of any carrier or other distributor not subject to a contract with the refiner or importer, but engaged for transportation of diesel fuel, despite specifications or inspections of procedures and equipment which are reasonably calculated to prevent such action.

(c) *Causation demonstration.* Under paragraph (a)(1) of this section for any person to show that a violation was not caused by that person, or under paragraph (b) of this section to show that a violation was caused by any of the specified actions, the person must demonstrate by reasonably specific showing, by direct or circumstantial evidence, that the violation was caused or must have been caused by another person and that the person asserting the defense did not contribute to that other person's causation.

(d) *Quality assurance and testing program.* To demonstrate an acceptable quality assurance program under paragraph (a)(1)(iii) of this section, a person must present evidence of the following:

(1) A periodic sampling and testing program to ensure the diesel fuel or additive the person sold, dispensed, supplied, stored, or transported, meets the applicable standards and requirements, including the requirements relating to the presence of marker solvent yellow 124.

(2) For those parties who, at a downstream location, blend diesel fuel additives subject to the requirements of §80.521(b) into fuel trucks at a truck loading rack, the periodic sampling and testing program required under this paragraph (d) must ensure, by taking into account the greater risk of noncompliance created through use of a high sulfur additive, that the diesel fuel into which the additive was blended meets the applicable standards subsequent to the blending.

(3) On each occasion when diesel fuel or additive is found not in compliance with the applicable standard:

(i) The person immediately ceases selling, offering for sale, dispensing, supplying, offering for supply, storing or transporting the non-complying product.

(ii) The person promptly remedies the violation and the factors that caused the violation (for example, by removing the non-complying product from the distribution system until the applicable standard is achieved and taking steps to prevent future violations of a similar nature from occurring).

(4) For any carrier who transports diesel fuel or additive in a tank truck, the quality assurance program required under this paragraph (d) need not include its own periodic sampling and testing of the diesel fuel or additive in the tank truck, but in lieu of such tank truck sampling and testing, the carrier shall demonstrate evidence of an oversight program for monitoring compliance with the requirements of this subpart relating to the transport or storage of such product by tank truck, such as appropriate guidance to drivers regarding compliance with the applicable sulfur standard, product segregation and product transfer document requirements, and the periodic review of records received in the ordinary course of business concerning diesel fuel or additive quality and delivery.

[66 FR 5136, Jan. 18, 2001, as amended at 69 FR 39204, June 29, 2004; 70 FR 40899, July 15, 2005]

§ 80.614 WHAT ARE THE ALTERNATIVE DEFENSE REQUIREMENTS IN LIEU OF §80.613(A)(1)(VI)?

Any person who blends a MVNRLM diesel fuel additive package into MVNRLM diesel fuel subject to the 15 ppm sulfur standards of §80.510(b) or (c) or §80.520(a) which contains a static dissipater additive that has a sulfur content greater than 15 ppm but whose contribution to the sulfur content of the MVNRLM diesel fuel is less than 0.4 ppm at its maximum recommended concentration, and/or red dye that has a sulfur content greater than 15 ppm but whose contribution to the sulfur content of the MVNRLM diesel fuel is less than 0.04 ppm at its maximum recommended concentration, and which contains no other additives with a sulfur content greater than 15 ppm must establish all the following in order to use this section as an alternative to the defense element under §80.613(a)(1)(vi):

(a)(1) The blender of the additive package has a sulfur content test result for the MVNRLM diesel fuel prior to blending of the additive package that indicates that the additive package, when added, will not cause the MVNRLM diesel fuel sulfur content to exceed 15 ppm sulfur.

(2) In cases where the storage tank that contains MVNRLM diesel fuel prior to additization contains multiple fuel batches, the blender of the additive package must have sulfur test results on each batch of MVNRLM diesel fuel that was added to the storage tank during the current and previous volumetric accounting reconciliation (VAR) periods, which indicates that the additive package, when added to the component MVNRLM diesel fuel batch in the storage tank with the highest sulfur level would not cause that component batch to exceed 15 ppm sulfur.

(b) The VAR standard is attained as determined under the provisions of this section. The VAR reconciliation standard is attained when the actual concentration of the additive package used per the VAR formula record under paragraph (f) of this section is less than the concentration that would have caused any batch of MVNRLM diesel fuel to exceed a sulfur content of 15 ppm given the maximum sulfur test result on any MVNRLM diesel fuel batch described in paragraph (a) of this section that is additized with the additive package during the VAR period.

(c) The product transfer document complies with the applicable sulfur information requirements of §80.591.

(d) If more than one additive package containing a static dissipater additive and/or red dye is used during a VAR period, then a separate VAR formula record must be created for MVNRLM diesel fuel additized for each of the additive packages used. In such cases, the amount of the each additive package used must be accurately and separately measured, either through the use of a separate storage tank, a separate meter, or some other measurement system that is able to accurately distinguish its use.

(e) Recorded volumes of MVNRLM diesel fuel and the additive package must be expressed to the nearest gallon (or smaller units), except that additive package volumes of five gallons or less must be expressed to the nearest tenth of a gallon (or smaller units). However, if the blender's equipment cannot accurately measure to the nearest tenth of a gallon, then such volumes must be rounded upward to the next higher gallon for purposes of determining compliance with this section.

(f) Each VAR formula record must also contain the following information:

(1) *Automated blending facilities.* In the case of an automated additive package blending facility, for each VAR period, for each storage system for an additive package containing a static dissipater additive and/or red dye, and each additive package in that storage system, the following must be recorded:

(i)(A) The manufacturer and commercial identifying name of the package being reconciled, the maximum recommended treatment level, the potential contribution to the sulfur content of the finished fuel that might result when the additive package is used at its maximum recommended treatment level, the intended treatment level, and the contribution to the sulfur content of the finished fuel that would result when the additive package is used at its intended treatment level. The intended treatment level is the treatment level that the additive injection equipment is set to.

(B) The maximum recommended treatment level and the intended treatment level must be expressed in terms of gallons of the additive package per thousand gallons of MVNRLM diesel fuel, and expressed to four significant figures. If the additive package storage system which is the subject of the VAR formula record is a proprietary system under the control of a customer, this fact must be indicated on the record.

(ii) The total volume of the additive package blended into MVNRLM diesel fuel, in accordance with one of the following methods, as applicable.

(A) For a facility which uses in-line meters to measure usage, the total volume of additive package measured, together with supporting data which includes one of the following: the beginning and ending meter readings for each meter being measured, the metered batch volume measurements for each meter being measured, or other comparable metered measurements. The supporting data may be supplied on the VAR formula record or in the form of computer printouts or other comparable VAR supporting documentation.

(B) For a facility which uses a gauge to measure the inventory of the additive package storage tank, the total volume of additive package shall be calculated from the following equation:

Additive package volume = (A) − (B) + (C) − (D)

Where:

A = Initial additive package inventory of the tank

B = Final additive package inventory of the tank

C = Sum of any additions to additive package inventory

D = Sum of any withdrawals from additive package inventory for purposes other than the additization of MVNRLM diesel fuel.

(C) The value of each variable in the equation in paragraph (f)(1)(ii)(B) of this section must be separately recorded on the VAR formula record. In addition, a list of each additive package addition included in variable C and a list of each additive package withdrawal included in variable D must be provided, either on the formula record or as VAR supporting documentation.

(iii) The total volume of MVNRLM diesel fuel to which the additive package has been added, together with supporting data which includes one of the following: the beginning and ending meter measurements for each meter being measured, the metered batch volume measurements for each meter being measured, or other comparable metered measurements. The supporting data may be supplied on the VAR formula record or in the form of computer printouts or other comparable VAR supporting documentation.

(iv) The actual concentration of the additive package, calculated as the total volume of the additive package added (pursuant to paragraph (f)(1)(ii) of this section), divided by the total volume of MVNRLM diesel fuel (pursuant to paragraph (f)(1)(iii) of this section). The concentration must be calculated and recorded to 4 significant figures.

(v) A list of each additive package concentration rate set for the additive package that is the subject of the VAR record, together with the date and description of each adjustment to any initially set concentration. The concentration adjustment information may be supplied on the VAR formula record or in the form of computer printouts or other comparable VAR supporting documentation. No concentration setting is permitted above the maximum recommended concentration supplied by the additive manufacturer, except as described in paragraph (f)(1)(vii) of this section.

(vi) The dates of the VAR period, which shall be no longer than thirty-one days. If the VAR period is contemporaneous with a calendar month, then specifying the month will fulfill this requirement; if not, then the beginning and ending dates and times of the VAR period must be listed. The times may be supplied on the VAR formula record or in supporting documentation. Any adjustment to any additive package concentration rate initially set in the VAR period shall terminate that VAR period and initiate a new VAR period, except as provided in paragraph (f)(1)(vii) of this section.

(vii) The concentration setting for the additive package injector may be changed from the concentration initially set in the VAR period without terminating that VAR period, provided that:

(A) The purpose of the change is to correct a batch under-additization prior to the end of the VAR period and prior to the transfer of the batch to another party, or to correct an equipment malfunction where there has been no over-additization of the additive;

(B) The concentration is immediately returned after the correction to a concentration that fulfills the requirements of this paragraph (f);

(C) The blender creates and maintains documentation establishing the date and adjustments of the correction; and

(D) If the correction is initiated only to rectify an equipment malfunction, and the amount of additive package used in this procedure is not added to MVNRLM diesel fuel within the compliance period, then this amount is subtracted from the additive package volume listed on the VAR formula record. In such a case, the addition of this amount of additive must be reflected in the following VAR period.

(viii) The measured sulfur level for each batch of MVNRLM diesel fuel to which the additive package is added during each VAR period. In cases where the storage tank that contains MVNRLM diesel fuel prior to additization contains multiple fuel batches, a measured sulfur level on each batch added to the storage tank during the current and previous VAR periods must be recorded.

(2) *Non-automated facilities.* In the case of a facility in which hand blending or any other non-automated method is used to blend the additive packages, for each additive package and for each batch of MVNRLM diesel fuel to which the additive package is being added, the following shall be recorded:

(i) The manufacturer and commercial identifying name of the additive package being reconciled, the maximum recommended treatment level, the potential contribution to the sulfur content of the finished fuel that might result when the additive package is used at its maximum recommended treatment level, the intended treatment level, and the contribution to the sulfur content of the finished fuel that would result when the additive package is used at its intended treatment level.

(A) The maximum recommended treatment level and the intended treatment level must be expressed in terms of gallons of additive package per thousand gallons of MVNRLM diesel fuel, and expressed to four significant figures.

(B) If the additive package storage system which is the subject of the VAR formula record is a proprietary system under the control of a customer, this fact must be indicated on the record.

(ii) The date of the additization that is the subject of the VAR formula record.

(iii) The volume of added additive package.

(iv) The volume of the MVNRLM diesel fuel to which the additive package has been added.

(v) The brand (if known) of MVNRLM diesel fuel.

(vi) The actual additive package concentration, calculated as the volume of added additive package (pursuant to paragraph (f)(1)(ii)(B) of this section), divided by the volume of MVNRLM diesel fuel (pursuant to paragraph (f)(1)(iii) of this section). The concentration must be calculated and recorded to four significant figures.

(vii) The measured sulfur level for each batch of MVNRLM diesel fuel to which the additive package is added during each VAR period. In cases where the storage tanks that contains MVNRLM diesel fuel prior to additization contains multiple fuel batches, a measured sulfur level on each batch added to the storage tank during the current and previous VAR periods must be recorded.

(3) *VAR formula records.* Every VAR formula record created pursuant to paragraphs (f)(1) and (f)(2) of this section shall contain the following:

(i) The signature of the creator of the VAR record;

(ii) The date of the creation of the VAR record; and

(iii) A certification of correctness by the creator of the VAR record.

(4) *Electronically-generated VAR formula and supporting records.* (i) Electronically-generated records are acceptable for VAR formula records and supporting documentation (including PTDs), provided that they are complete, accessible, and easily readable. VAR formula records must also be stored with access and audit security, which must restrict to a limited number of specified people those who have the ability to alter or delete the records. In addition, parties maintaining records electronically must make available to EPA the hardware and software necessary to review the records.

(ii) Electronically-generated VAR formula records may use an electronic user identification code to satisfy the signature requirements of paragraph (f)(3)(i) of this section, provided that:

(A) The use of the identification is limited to the record creator; and

(B) A paper record is maintained, which is signed and dated by the VAR formula record creator, acknowledging that the use of that particular user ID on a VAR formula record is equivalent to his/her signature on the document.

(5) *Calibration requirements for automated blending facilities.* Automated static dissipater additive package blenders must calibrate their additive package equipment at least once in each calendar half year, with the acceptable calibrations being no less than one hundred twenty days apart, except that calibrations may be closer in time so long as at least two calibrations meet the requirements to be in separate halves of the calendar year and no less than 120 days apart. Equipment recalibration is also required each time the static dissipater additive package is changed, unless written documentation indicates that the new additive package has the same viscosity as the previous additive package. Additive package change calibrations may be used to satisfy the semiannual requirement provided that the calibrations occur in the appropriate half calendar year and are no less than one hundred twenty days apart.

(6) *Additional VAR documentation.* The following VAR supporting documentation must also be created and maintained:

(i) For all automated additive package blending facilities, documentation reflecting performance of the calibrations required by paragraph (f)(5) of this section, and any associated adjustments of the automated additive package injection equipment;

(ii) For all blending facilities that blend an additive package containing a static dissipater additive and/or red dye, product transfer documents for all such additive packages, and MVNRLM diesel fuel transferred into or out of the facility that is additized with an additive package containing a static dissipater additive and/or red dye;

(iii) For all automated additive package blending facilities that use an additive package containing a static dissipater additive and/or red dye, documentation establishing the brands (if known) of the MVNRLM diesel fuel which is the subject of the VAR formula record; and

(iv) For all hand blenders of an additive package that contains a static dissipater additive and/or red dye, the documentation, if in the party's possession, supporting the volumes of MVNRLM diesel fuel and additive package reported on the VAR formula record.

(7) *Document retention and availability.* All blenders of an additive package that contains a static dissipater additive and/or red dye shall retain the documents required under this section for a period of five years from the date the VAR formula records and supporting documentation are created, and shall deliver them upon request to the EPA Administrator or the Administrator's authorized representative.

(i) Except as provided in paragraph (f)(7)(iii) of this section, automated additive package blender facilities and hand-blender facilities which are terminals, which physically blend an additive packages that contains a static dissipater additive and/or red dye into MVNRLM diesel fuel, must make immediately available to EPA, upon request, the preceding twelve months of VAR formula records plus the preceding two months of VAR supporting documentation.

(ii) Except as provided in paragraph (f)(7)(iii) of this section, other hand-blending additive package facilities which physically blend additive package that contains a static dissipater additive and/or red dye into MVNRLM diesel fuel must make immediately available to EPA, upon request, the preceding two months of VAR formula records and VAR supporting documentation.

(iii) Facilities which have centrally maintained records at other locations, or have customers who maintain their own records at other locations for their proprietary additive package injection systems, and which can document this fact to the Agency, may have until the start of the next business day after the EPA request to supply VAR supporting documentation, or longer if approved by the Agency.

(iv) In this paragraph (f)(7), the term “immediately available” means that the records must be provided, electronically or otherwise, within approximately one hour of EPA's request, or within a longer time frame as approved by EPA.

[69 FR 39205, June 29, 2004, as amended at 71 FR 25723, May 1, 2006]

§ 80.615 WHAT PENALTIES APPLY UNDER THIS SUBPART?

(a) Any person liable for a violation under §80.612 is subject to civil penalties as specified in section 205 of the Clean Air Act (42 U.S.C. 7524) for every day of each such violation and the amount of economic benefit or savings resulting from each violation.

(b)(1) Any person liable under §80.612(a)(1) for a violation of an applicable standard or requirement under this Subpart I or for causing another party to violate such standard or requirement, is subject to a separate day of violation for each and every day the non-complying diesel fuel remains any place in the distribution system.

(2) Any person liable under §80.612(a)(2) for causing motor vehicle diesel fuel, NRLM diesel fuel, heating oil, or other distillate fuel to be in the distribution system which does not comply with an applicable standard or requirement of this Subpart I is subject to a separate day of violation for each and every day that the non-complying diesel fuel remains any place in the diesel fuel distribution system.

(3) Any person liable under §80.612(a)(1) for blending into diesel fuel an additive violating the applicable sulfur standard pursuant to the requirements of §80.521(a) or (b), as applicable, or of causing another party to so blend such an additive, is subject to a separate day of violation for each and every day the motor vehicle diesel fuel or NRLM diesel fuel into which the noncomplying additive was blended, remains any place in the fuel distribution system.

(4) For purposes of this paragraph (b) of this section, the length of time the motor vehicle diesel fuel, NRLM diesel fuel, heating oil or other distillate fuel in question remained in the diesel fuel distribution system is deemed to be 25 days, unless a person subject to liability or EPA demonstrates by reasonably specific showings, by direct or circumstantial evidence, that the non-complying motor vehicle, NR or NRLM diesel fuel, heating oil or distillate fuel remained in the distribution system for fewer than or more than 25 days.

(c) Any person liable under §80.612(b) for failure to meet, or causing a failure to meet, a provision of this subpart is liable for a separate day of violation for each and every day such provision remains unfulfilled.

[69 FR 39208, June 29, 2004]

§ 80.616 WHAT ARE THE ENFORCEMENT EXEMPTIONS FOR CALIFORNIA DIESEL DISTRIBUTED WITHIN THE STATE OF CALIFORNIA?

(a) For the purpose of this section, “California diesel fuel” is defined as any diesel fuel physically within the State of California that satisfies all requirements of Title 13, California Code of Regulations, Sections 2281–2285, and is sold, intended for sale, or made available for sale as a motor fuel in the State of California, subsequent to May 31, 2006.

(b) Any retailer or wholesale purchaser-consumer of California diesel fuel is, with regard to such diesel fuel, exempt from the labeling requirements contained in §§80.570, 80.571, 80.572, 80.573, and 80.574.

(c)(1) Any refiner, importer, or distributor of California diesel fuel is, with regard to such diesel fuel, exempt from the product transfer requirements of §80.590, provided that the product transfer document contains the following statement:

“California diesel fuel. Maximum 15 ppm sulfur.”

(2) Product codes may be used to satisfy this product transfer document requirement.

(d) Any refiner, importer, or distributor of California diesel fuel is, with regard to such diesel fuel, exempt from the designation requirements of §80.598, provided that:

(1) The refiner, importer, or distributor does not transfer custody of the California diesel fuel to facility outside the State of California;

(2) The fuel is intended to be sold or made available for sale in the State of California; and

(3) The PTD requirements in paragraph (f) of the section are satisfied.

(e) Any refiner, importer, or distributor of California diesel fuel is, with regard to such diesel fuel, exempt from the volume balance requirements of §80.599.

(f) Any refiner, importer, or distributor of California diesel fuel is, with regard to such diesel fuel, exempt from the recordkeeping requirements under designate and track provisions of §80.600.

(g) Any refiner, importer, or distributor of California diesel fuel is, with regard to such diesel fuel, exempt from the reporting requirements for the purposes of the designate and track provisions of §80.601.

(h) Any refiner, importer, or distributor of California diesel fuel is, with regard to such diesel fuel, exempt from the recordkeeping requirements for entities in the MV or NRLM diesel fuel and diesel fuel additive production, importation, and distribution systems of §§80.592 and 80.602 except those relating to sampling and testing, under §§80.581, 80.584, 80.585, and 80.586.

(i) Any refiner or importer of California diesel fuel is, with regard to such diesel fuel, exempt from the annual reporting requirements for NRLM diesel under §80.604.

[71 FR 25725, May 1, 2006]

§ 80.617 HOW MAY CALIFORNIA DIESEL FUEL BE DISTRIBUTED OR SOLD OUTSIDE OF THE STATE OF CALIFORNIA?

California diesel may be distributed or sold outside of the State of California provided the provisions of either paragraph (a) or (b) of this section are satisfied:

(a) *Distribution of taxed or dyed California diesel fuel.* California diesel fuel that is distributed from a truck loading terminal after such diesel has been taxed or dyed may be distributed or sold outside of the State of California, provided that it is accompanied by a Product Transfer Document that states: “California diesel fuel. Maximum 15 ppm sulfur.”; or

(b) *Distribution of untaxed and undyed diesel California diesel fuel.* California diesel may be distributed or sold outside of the State of California without having been dyed or taxed provided that the requirements of either paragraph (b)(1) or (b)(2) of this section are satisfied. (Note that the requirements of IRS code 26 CFR part 48 along with other applicable requirements outside of this 40 CFR part 80 subpart I must also be satisfied.)

(1)(i) Prior to shipment outside the State of California, the California diesel fuel meets all requirements of §80.616 and meets all of the requirements of 40 CFR part 80, subpart I that are not exempted under this section;

(ii) The California diesel fuel is shipped out of the state via pipeline;

(iii) The pipeline shipping the California diesel out of state maintains the California diesel fuel designation while the product is in the pipeline's custody;

(iv) The pipeline provides a product transfer document that clearly indicates that the product is designated as California diesel fuel;

(v) Upon delivery into the terminal, the terminal receiving the California diesel fuel redesignates it as motor vehicle diesel meeting the 15 ppm sulfur standard; and

(vi) The terminal includes the volumes of California diesel fuel redesignated as motor vehicle diesel fuel in the total volume of motor vehicle diesel designated meeting the 15 ppm sulfur standard received by the terminal, per the volume balance and anti-downgrading equations for motor vehicle diesel fuel found in §80.599(b) and (e).

(2)(i) The California diesel fuel is delivered via pipeline to a terminal outside the State of California that has a tank dedicated to the receipt of California diesel fuel and which intends to distribute the diesel fuel from the dedicated tank back into the State of California;

(ii) The terminal must maintain the designation of the diesel fuel as “California diesel fuel” and not redesignate it to another product;

(iii) The product transfer documents for California diesel fuel distributed by a terminal outside of the state of California must indicate “California diesel fuel. Maximum 15 ppm sulfur.”; and,

(iv) Any volume of California diesel fuel distributed by a terminal outside the state of California must be taxed or dyed and must be excluded from the terminal's volume balance equations under §80.599.

[71 FR 25726, May 1, 2006]

§§ 80.618-80.619 [RESERVED]

PROVISIONS FOR FOREIGN REFINERS AND IMPORTERS FOR MOTOR VEHICLE DIESEL FUEL SUBJECT TO A TEMPORARY COMPLIANCE OPTION OR HARDSHIP PROVISION

§ 80.620 WHAT ARE THE ADDITIONAL REQUIREMENTS FOR DIESEL FUEL OR DISTILLATES PRODUCED BY FOREIGN REFINERIES SUBJECT TO A TEMPORARY REFINER COMPLIANCE OPTION, HARDSHIP PROVISIONS, OR MOTOR VEHICLE OR NRLM DIESEL FUEL CREDIT PROVISIONS?

40 CFR Part 80, Subpart A — Motor Vehicle, Nonroad, Locomotive, and Marine Diesel Fuel

(a) *Definitions.* (1) A foreign refinery is a refinery that is located outside the United States, the Commonwealth of Puerto Rico, the Virgin Islands, Guam, American Samoa, and the Commonwealth of the Northern Mariana Islands (collectively referred to in this section as "the United States").

(2) A foreign refiner is a person who meets the definition of refiner under §80.2(i) for a foreign refinery.

(3) A diesel fuel program foreign refiner ("DFR") is a foreign refiner that has been approved by EPA for participation in any motor vehicle diesel fuel or NRLM diesel fuel provision of §80.530 through 80.533, or §§80.535, 80.536, 80.540, 80.552, 80.553, 80.554, 80.560 or 80.561 (collectively referred to as "diesel foreign refiner program").

(4) "DFR-Diesel" means diesel fuel or distillate fuel as applicable under subpart I of this part produced at a DFR refinery that is imported into the United States.

(5) "Non-DFR-Diesel" means diesel fuel or distillate fuel that is produced at a foreign refinery that has not been approved as a DFR foreign refiner, diesel fuel produced at a DFR foreign refinery that is not imported into the United States, and diesel fuel produced at a DFR foreign refinery during a period when the foreign refiner has opted to not participate in the DFR-Diesel foreign refiner program under paragraph (c)(3) of this section.

(6) "Certified DFR-Diesel" means DFR-Diesel the foreign refiner intends to include in the foreign refinery's compliance calculations under any provisions of §80.530 through 80.533, or §§80.535, 80.536, 80.540, 80.552, 80.553, 80.554, 80.560 or 80.561 and does include in these compliance calculations when reported to EPA.

(7) "Non-Certified DFR-Diesel" means DFR-Diesel fuel that a DFR foreign refiner imports to the United States that is not Certified DFR-Diesel.

(b) *Baseline.* For any foreign refiner to obtain approval under the diesel foreign refiner program of this subpart for any refinery, it must apply for approval under the applicable provisions of this subpart. To obtain approval the refiner is required, as applicable, to demonstrate a volume baseline under subpart I of this part.

(1) The refiner shall follow the procedures, applicable to volume baselines and using diesel fuel, or if applicable, heating oil, instead of gasoline, in §§80.91 through 80.93 to establish the volume of motor vehicle diesel fuel that was produced at the refinery and imported into the United States during the applicable years for purposes of establishing a baseline under Subpart I for applicable fuels produced for use in the United States.

(2) In making determinations for foreign refinery baselines EPA will consider all information supplied by a foreign refiner, and in addition may rely on any and all appropriate assumptions necessary to make such determinations.

(3) Where a foreign refiner submits a petition that is incomplete or inadequate to establish an accurate baseline, and the refiner fails to correct this deficiency after a request for more information, EPA will not assign an individual refinery baseline.

(c) *General requirements for DFR foreign refiners.* A foreign refiner of a refinery that is approved under the diesel foreign refiner program of this subpart must designate each batch of diesel fuel produced at the foreign refinery that is exported to the United States as either Certified DFR-Diesel or as Non-Certified DFR-Diesel, except as provided in paragraph (c)(3) of this section. It must further designate all Certified DFR-Diesel as provided in §80.598, and designate whether the diesel fuel is dyed or undyed, and for heating oil and/or locomotive or marine diesel fuel whether it is marked or unmarked under §80.510(d) through (f). It must further designate any credits earned as either nonroad diesel credits or motor vehicle diesel credits.

(1) In the case of Certified DFR-Diesel, the foreign refiner must meet all requirements that apply to refiners under this subpart, except that:

(i) For purposes of complying with the compliance option requirements of §80.530, motor vehicle diesel fuel produced by a foreign refinery must comply separately for each Credit Trading Area of import, as defined in §80.531(a)(5).

(ii) For purposes of complying with the compliance option requirements of §80.530, credits obtained from any other refinery or from any importer must have been generated in the same Credit Trading Area as the Credit Trading Area of import of the fuel for which credits are needed to achieve compliance.

(iii) For purposes of generating credits under §80.531, credits shall be generated separately by Credit Trading Area of import and shall be designated by Credit Trading Area of importation and by port of importation.

(2) In the case of Non-Certified DFR-Diesel, the foreign refiner shall meet all the following requirements:

(i) The designation requirements in this section.

(ii) The reporting requirements in this section and in §§80.593, 80.594, 80.601, and 80.604.

(iii) The product transfer document requirements in this section and in §§80.590 and 80.591.

(iv) The prohibitions in this section and in §80.610.

(3)(i) Any foreign refiner that has been approved to produce diesel fuel subject to the diesel foreign refiner program for a foreign refinery under this subpart may elect to classify no diesel fuel imported into the United States as DFR-Diesel provided the foreign refiner notifies EPA of the election no later than 60 calendar days prior to the beginning of the compliance period.

(ii) An election under paragraph (c)(3)(i) of this section shall be for a 12 month compliance period and apply to all diesel fuel that is produced by the foreign refinery that is imported into the United States, and shall remain in effect for each succeeding year unless and until the foreign refiner notifies EPA of the termination of the election. The change in election shall take effect at the beginning of the next annual compliance period.

(d) *Designation, product transfer documents, and foreign refiner certification.* (1) Any foreign refiner of a foreign refinery that has been approved by EPA to produce motor vehicle diesel fuel subject to the diesel foreign refiner program must designate each batch of DFR-Diesel as such at the time the diesel fuel is produced, unless the refiner has elected to classify no diesel fuel exported to the United States as DFR-Diesel under paragraph (c)(3) of this section.

(2) On each occasion when any person transfers custody or title to any DFR-Diesel prior to its being imported into the United States, it must include the following information as part of the product transfer document information in this section:

(i) Designation of the diesel fuel or distillate as Certified DFR-Diesel or as Non-Certified DFR-Diesel, and if it is Certified DFR-Diesel, further designate the fuel pursuant to §80.598, and whether the diesel fuel or distillate is dyed or undyed, and for heating oil whether it is marked or unmarked under §80.510(d) through (f), and all other applicable product transfer document information required under §80.590; and

(ii) The name and EPA refinery registration number (under §80.597) of the refinery where the DFR-Diesel was produced.

(3) On each occasion when DFR-Diesel is loaded onto a vessel or other transportation mode for transport to the United States, the foreign refiner shall prepare a certification for each batch of the DFR-Diesel that meets the following requirements.

(i) The certification shall include the report of the independent third party under paragraph (f) of this section, and the following additional information:

(A) The name and EPA registration number of the refinery that produced the DFR-Diesel;

(B) The identification of the diesel fuel as Certified DFR-Diesel or Non-Certified DFR-Diesel;

(C) The volume of DFR-Diesel being transported, in gallons;

(D) In the case of Certified DFR-Diesel:

(*1*) The sulfur content as determined under paragraph (f) of this section, and the applicable designations stated in paragraph (d)(2)(i) of this section; and

(*2*) A declaration that the DFR-Diesel is being included in the applicable compliance calculations required by EPA under this subpart.

(ii) The certification shall be made part of the product transfer documents for the DFR-Diesel.

(e) *Transfers of DFR-Diesel to non-United States markets.* The foreign refiner is responsible to ensure that all diesel fuel classified as DFR-Diesel is imported into the United States. A foreign refiner may remove the DFR-Diesel classification, and the diesel fuel need not be imported into the United States, but only if:

(1)(i) The foreign refiner excludes:

(A) The volume of diesel from the refinery's compliance report under §80.593, §80.601, or §80.604; and

(B) In the case of Certified DFR-Diesel, the volume of the diesel fuel from the compliance report under §80.593, §80.601, or §80.604.

(ii) The exclusions under paragraph (e)(1)(i) of this section shall be on the basis of the designations under §80.598 and this section, and volumes determined under paragraph (f) of this section.

(2) The foreign refiner obtains sufficient evidence in the form of documentation that the diesel fuel was not imported into the United States.

(f) *Load port independent sampling, testing and refinery identification.* (1) On each occasion that DFR-Diesel is loaded onto a vessel for transport to the United States a foreign refiner shall have an independent third party:

(i) Inspect the vessel prior to loading and determine the volume of any tank bottoms;

(ii) Determine the volume of DFR-Diesel loaded onto the vessel (exclusive of any tank bottoms before loading);

(iii) Obtain the EPA-assigned registration number of the foreign refinery;

(iv) Determine the name and country of registration of the vessel used to transport the DFR-Diesel to the United States; and

(v) Determine the date and time the vessel departs the port serving the foreign refinery.

(2) On each occasion that Certified DFR-Diesel is loaded onto a vessel for transport to the United States a foreign refiner shall have an independent third party:

(i) Collect a representative sample of the Certified DFR-Diesel from each vessel compartment subsequent to loading on the vessel and prior to departure of the vessel from the port serving the foreign refinery;

(ii) Determine the sulfur content value for each compartment, and if applicable, the marker content under §80.510(d) through (f) using an approved methodology as specified in §§80.580 through 80.586 by one of the following:

(A) The third party analyzing each sample; or

(B) The third party observing the foreign refiner analyze the sample;

(iii) Review original documents that reflect movement and storage of the certified DFR-Diesel from the refinery to the load port, and from this review determine:

(A) The refinery at which the DFR-Diesel was produced; and

(B) That the DFR-Diesel remained segregated from:

(*1*) Non-DFR-Diesel and Non-Certified DFR-Diesel; and

(*2*) Other Certified DFR-Diesel produced at a different refinery.

(3) The independent third party shall submit a report:

(i) To the foreign refiner containing the information required under paragraphs (f)(1) and (f)(2) of this section, to accompany the product transfer documents for the vessel; and

(ii) To the Administrator containing the information required under paragraphs (f)(1) and (f)(2) of this section, within thirty days following the date of the independent third party's inspection. This report shall include a description of the method used to determine the identity of the refinery at which the diesel fuel or distillate was produced, assurance that the diesel fuel or distillate remained segregated as specified in paragraph (n)(1) of this section, and a description of the diesel fuel's movement and storage between production at the source refinery and vessel loading.

(4) The independent third party must:

(i) Be approved in advance by EPA, based on a demonstration of ability to perform the procedures required in this paragraph (f);

(ii) Be independent under the criteria specified in §80.65(e)(2)(iii); and

(iii) Sign a commitment that contains the provisions specified in paragraph (i) of this section with regard to activities, facilities and documents relevant to compliance with the requirements of this paragraph (f).

(g) *Comparison of load port and port of entry testing.* (1)(i) Any foreign refiner and any United States importer of Certified DFR-Diesel shall compare the results from the load port testing under paragraph (f) of this section, with the port of entry testing as reported under paragraph (o) of this section, for the volume of diesel fuel and the sulfur content value; except as specified in paragraph (g)(1)(ii) of this section.

(ii) Where a vessel transporting Certified DFR-Diesel off loads this diesel fuel at more than one United States port of entry, and the conditions of paragraph (g)(2)(i) of this section are met at the first United States port of entry, the requirements of paragraph (g)(2) of this section do not apply at subsequent ports of entry if the United States importer obtains a certification from the vessel owner that meets the requirements of paragraph (s) of this section, that the vessel has not loaded any diesel fuel or blendstock between the first United States port of entry and the subsequent port of entry.

(2)(i) The requirements of this paragraph (g)(2) apply if—

(A) The temperature-corrected volumes determined at the port of entry and at the load port differ by more than one percent; or

(B) The sulfur content value determined at the port of entry is higher than the sulfur content value determined at the load port, and the amount of this difference is greater than the reproducibility amount specified for the port of entry test result by the American Society of Testing and Materials (ASTM) for a test method used for testing the port of entry sample under the provisions §§80.580 through 80.586.

(ii) The United States importer and the foreign refiner shall treat the diesel fuel as Non-Certified DFR-Diesel, and the foreign refiner shall exclude the diesel fuel volume from its diesel fuel volumes calculations and sulfur standard designations under §80.598.

(h) *Attest requirements.* Refiners, for each annual compliance period, must arrange to have an attest engagement performed of the underlying documentation that forms the basis of any report required under this subpart. The attest engagement must comply with the procedures and requirements that apply to refiners under §§80.125 through 80.130, or other applicable attest engagement provisions, and must be submitted to the Administrator of EPA by August 31 of each year for the prior annual compliance period. The following additional procedures shall be carried out for any foreign refiner of DFR-Diesel.

(1) The inventory reconciliation analysis under §80.128(b) and the tender analysis under §80.128(c) shall include Non-DFR-Diesel.

(2) Obtain separate listings of all tenders of Certified DFR-Diesel and of Non-Certified DFR-Diesel, and obtain separate listings of Certified DFR-Diesel based on whether it is 15 ppm sulfur content diesel fuel, 500 ppm sulfur content diesel fuel or high sulfur fuel having a sulfur content greater than 500 ppm (and if so, whether the fuel is heating oil, small refiner diesel fuel, diesel fuel produced through the use of credits, or other applicable designation under §80.598). Agree the total volume of tenders from the listings to the diesel fuel inventory reconciliation analysis in §80.128(b), and to the volumes determined by the third party under paragraph (f)(1) of this section.

(3) For each tender under paragraph (h)(2) of this section, where the diesel fuel is loaded onto a marine vessel, report as a finding the name and country of registration of each vessel, and the volumes of DFR-Diesel loaded onto each vessel.

(4) Select a sample from the list of vessels identified in paragraph (h)(3) of this section used to transport Certified DFR-Diesel, in accordance with the guidelines in §80.127, and for each vessel selected perform the following:

(i) Obtain the report of the independent third party, under paragraph (f) of this section, and of the United States importer under paragraph (o) of this section.

(A) Agree the information in these reports with regard to vessel identification, diesel fuel volumes and sulfur content test results.

(B) Identify, and report as a finding, each occasion the load port and port of entry sulfur content and volume results differ by more than the amounts allowed in paragraph (g) of this section, and determine whether the foreign refiner adjusted its refinery calculations as required in paragraph (g) of this section.

(ii) Obtain the documents used by the independent third party to determine transportation and storage of the Certified DFR-Diesel from the refinery to the load port, under paragraph (f) of this section. Obtain tank activity records for any storage tank where the Certified DFR-Diesel is stored, and pipeline activity records for any pipeline used to transport the Certified DFR-Diesel, prior to being loaded onto the vessel. Use these records to determine whether the Certified DFR-Diesel was produced at the refinery that is the subject of the attest engagement, and whether the Certified DFR-Diesel was mixed with any Non-Certified DFR-Diesel, Non-DFR-Diesel, or any Certified DFR-Diesel produced at a different refinery.

(5) Select a sample from the list of vessels identified in paragraph (h)(3) of this section used to transport certified and Non-Certified DFR-Diesel, in accordance with the guidelines in §80.127, and for each vessel selected perform the following:

(i) Obtain a commercial document of general circulation that lists vessel arrivals and departures, and that includes the port and date of departure of the vessel, and the port of entry and date of arrival of the vessel.

(ii) Agree the vessel's departure and arrival locations and dates from the independent third party and United States importer reports to the information contained in the commercial document.

(6) Obtain separate listings of all tenders of Non-DFR-Diesel, and perform the following:

(i) Agree the total volume and sulfur content of tenders from the listings to the diesel fuel inventory reconciliation analysis in §80.128(b).

(ii) Obtain a separate listing of the tenders under this paragraph (h)(6) where the diesel fuel is loaded onto a marine vessel. Select a sample from this listing in accordance with the guidelines in §80.127, and obtain a commercial document of general circulation that lists vessel arrivals and departures, and that includes the port and date of departure and the ports and dates where the diesel fuel was off loaded for the selected vessels. Determine and report as a finding the country where the diesel fuel was off loaded for each vessel selected.

(7) In order to complete the requirements of this paragraph (h) an auditor shall:

(i) Be independent of the foreign refiner;

(ii) Be licensed as a Certified Public Accountant in the United States and a citizen of the United States, or be approved in advance by EPA based on a demonstration of ability to perform the procedures required in §§80.125 through 80.130 and this paragraph (h); and

(iii) Sign a commitment that contains the provisions specified in paragraph (i) of this section with regard to activities and documents relevant to compliance with the requirements of §§80.125 through 80.130 and this paragraph (h).

(i) *Foreign refiner commitments.* Any foreign refiner shall commit to and comply with the provisions contained in this paragraph (i) as a condition to being approved for a temporary refiner diesel fuel program option.

(1) Any United States Environmental Protection Agency inspector or auditor must be given full, complete and immediate access to conduct inspections and audits of the foreign refinery.

(i) Inspections and audits may be either announced in advance by EPA, or unannounced.

(ii) Access will be provided to any location where:

(A) Diesel fuel is produced;

(B) Documents related to refinery operations are kept;

(C) Diesel fuel or blendstock samples are tested or stored; and

(D) DFR-Diesel is stored or transported between the foreign refinery and the United States, including storage tanks, vessels and pipelines.

(iii) Inspections and audits may be by EPA employees or contractors to EPA.

(iv) Any documents requested that are related to matters covered by inspections and audits must be provided to an EPA inspector or auditor on request.

(v) Inspections and audits by EPA may include review and copying of any documents related to:

(A) Refinery baseline establishment, if applicable, including the volume, sulfur content and dye and marker status of diesel fuel, heating oil and other distillates; transfers of title or custody of any diesel fuel, heating oil or blendstocks whether DFR-Diesel or Non-DFR-Diesel, produced at the foreign refinery during the period January 1, 1998 through the date of the refinery baseline petition or through the date of the inspection or audit if a baseline petition has not been approved, and any work papers related to refinery baseline establishment;

(B) The volume and sulfur content of DFR-Diesel;

(C) The proper classification of diesel fuel as being DFR-Diesel or as not being DFR-Diesel, or as Certified DFR-Diesel or as Non-Certified DFR-Diesel, and all other relevant designations under this subpart, including §80.598 and this section;

(D) Transfers of title or custody to DFR-Diesel;

(E) Sampling and testing of DFR-Diesel;

(F) Work performed and reports prepared by independent third parties and by independent auditors under the requirements of this section, including work papers; and

(G) Reports prepared for submission to EPA, and any work papers related to such reports.

(vi) Inspections and audits by EPA may include taking samples of diesel fuel, heating oil, other distillates, diesel fuel additives or blendstock, dyes and chemical markers and interviewing employees.

(vii) Any employee of the foreign refiner must be made available for interview by the EPA inspector or auditor, on request, within a reasonable time period.

(viii) English language translations of any documents must be provided to an EPA inspector or auditor, on request, within 10 working days.

(ix) English language interpreters must be provided to accompany EPA inspectors and auditors, on request.

(2) An agent for service of process located in the District of Columbia shall be named, and service on this agent constitutes service on the foreign refiner or any employee of the foreign refiner for any action by EPA or otherwise by the United States related to the requirements of this subpart.

(3) The forum for any civil or criminal enforcement action related to the provisions of this section for violations of the Clean Air Act or regulations promulgated there under shall be governed by the Clean Air Act, including the EPA administrative forum where allowed under the Clean Air Act.

(4) United States substantive and procedural laws shall apply to any civil or criminal enforcement action against the foreign refiner or any employee of the foreign refiner related to the provisions of this section.

(5) Submitting a petition for participation in the diesel foreign refiner program or producing and exporting diesel fuel or heating oil under any such program, and all other actions to comply with the requirements of this subpart relating to participation in any diesel foreign refiner program, or to establish an individual refinery motor vehicle diesel fuel volume baseline or other baseline under subpart I of this part (if applicable) constitute actions or activities that satisfy the provisions of 28 U.S.C. 1605(a)(2), but solely with respect to actions instituted against the foreign refiner, its agents and employees in any court or other tribunal in the United States for conduct that violates the requirements applicable to the foreign refiner under this subpart, including conduct that violates the False Statements Accountability Act of 1996 (18 U.S.C. 1001) and section 113(c)(2) of the Clean Air Act (42 U.S.C. 7413).

(6) The foreign refiner, or its agents or employees, will not seek to detain or to impose civil or criminal remedies against EPA inspectors or auditors, whether EPA employees or EPA contractors, for actions performed within the scope of EPA employment related to the provisions of this section.

(7) The commitment required by this paragraph (i) shall be signed by the owner or president of the foreign refiner business.

(8) In any case where DFR-Diesel produced at a foreign refinery is stored or transported by another company between the refinery and the vessel that transports the DFR-Diesel to the United States, the foreign refiner shall obtain from each such other company a commitment that meets the requirements specified in paragraphs (i)(1) through (7) of this section, and these commitments shall be included in the foreign refiner's petition to participate in any diesel foreign refiner program .

(j) *Sovereign immunity.* By submitting a petition for participation in any diesel foreign refiner program under this subpart (and baseline, if applicable) under this section, or by producing and exporting diesel fuel to the United States under any such program, the foreign refiner, and its agents and employees, without exception, become subject to the full operation of the administrative and judicial enforcement powers and provisions of the United States without

limitation based on sovereign immunity, with respect to actions instituted against the foreign refiner, its agents and employees in any court or other tribunal in the United States for conduct that violates the requirements applicable to the foreign refiner under this subpart including conduct that violates the False Statements Accountability Act of 1996 (18 U.S.C. 1001) and section 113(c)(2) of the Clean Air Act (42 U.S.C. 7413).

(k) *Bond posting.* Any foreign refiner shall meet the requirements of this paragraph (k) as a condition to approval for any diesel foreign refiner program under this subpart.

(1) The foreign refiner shall post a bond of the amount calculated using the following equation:

Bond = G × $ 0.01

Where:

Bond = amount of the bond in U.S. dollars

G = the applicable volume baseline under Subpart I for diesel fuel or distillate produced at the foreign refinery and exported to the United States, in gallons.

(2) Bonds shall be posted by:

(i) Paying the amount of the bond to the Treasurer of the United States;

(ii) Obtaining a bond in the proper amount from a third party surety agent that is payable to satisfy United States administrative or judicial judgments against the foreign refiner, provided EPA agrees in advance as to the third party and the nature of the surety agreement; or

(iii) An alternative commitment that results in assets of an appropriate liquidity and value being readily available to the United States, provided EPA agrees in advance as to the alternative commitment.

(3) Bonds posted under this paragraph (k) shall—

(i) Be used to satisfy any judicial judgment that results from an administrative or judicial enforcement action for conduct in violation of this subpart, including where such conduct violates the False Statements Accountability Act of 1996 (18 U.S.C. 1001) and section 113(c)(2) of the Clean Air Act (42 U.S.C. 7413);

(ii) Be provided by a corporate surety that is listed in the United States Department of Treasury Circular 570 “Companies Holding Certificates of Authority as Acceptable Sureties on Federal Bonds;” and

(iii) Include a commitment that the bond will remain in effect for at least five years following the end of latest annual reporting period that the foreign refiner produces diesel fuel pursuant to the requirements of this subpart.

(4) On any occasion a foreign refiner bond is used to satisfy any judgment, the foreign refiner shall increase the bond to cover the amount used within 90 days of the date the bond is used.

(5) If the bond amount for a foreign refiner increases, the foreign refiner shall increase the bond to cover the shortfall within 90 days of the date the bond amount changes. If the bond amount decreases, the foreign refiner may reduce the amount of the bond beginning 90 days after the date the bond amount changes.

(l) [Reserved]

(m) *English language reports.* Any report or other document submitted to EPA by a foreign refiner shall be in English language, or shall include an English language translation.

(n) *Prohibitions.* (1) No person may combine Certified DFR-Diesel with any Non-Certified DFR-Diesel or Non-DFR-Diesel, and no person may combine Certified DFR-Diesel with any Certified DFR-Diesel produced at a different refinery, until the importer has met all the requirements of paragraph (o) of this section, except as provided in paragraph (e) of this section. No person may violate the product segregation requirements of §80.511.

(2) No foreign refiner or other person may cause another person to commit an action prohibited in paragraph (n)(1) of this section, or that otherwise violates the requirements of this section.

(o) *United States importer requirements.* Any United States importer shall meet the following requirements:

(1) Each batch of imported diesel fuel and heating oil shall be classified by the importer as being DFR-Diesel or as Non-DFR-Diesel, and each batch classified as DFR-Diesel shall be further classified as Certified DFR-Diesel or as Non-Certified DFR-Diesel, and each batch of Certified DFR-Diesel shall be further designated pursuant to the designation requirements of §80.598 and this section.

(2) Diesel fuel shall be classified as Certified DFR-Diesel or as Non-Certified DFR-Diesel according to the designation by the foreign refiner if this designation is supported by product transfer documents prepared by the foreign refiner as required in paragraph (d) of this section, unless the diesel fuel is

classified as Non-Certified DFR-Diesel under paragraph (g) of this section. Additionally, the importer shall comply with all requirements of this subpart applicable to importers.

(3) For each diesel fuel batch classified as DFR-Diesel, any United States importer shall perform the following procedures.

(i) In the case of both Certified and Non-Certified DFR-Diesel, have an independent third party:

(A) Determine the volume of diesel fuel in the vessel;

(B) Use the foreign refiner's DFR-Diesel certification to determine the name and EPA-assigned registration number of the foreign refinery that produced the DFR-Diesel;

(C) Determine the name and country of registration of the vessel used to transport the DFR-Diesel to the United States; and

(D) Determine the date and time the vessel arrives at the United States port of entry.

(ii) In the case of Certified DFR-Diesel, have an independent third party:

(A) Collect a representative sample from each vessel compartment subsequent to the vessel's arrival at the United States port of entry and prior to off loading any diesel fuel from the vessel;

(B) Obtain the compartment samples; and

(C) Determine the sulfur content value, and if applicable, the marker content, of each compartment sample using an appropriate methodology as specified in §§80.580 through 80.586 by the third party analyzing the sample or by the third party observing the importer analyze the sample.

(4) Any importer shall submit reports within 30 days following the date any vessel transporting DFR-Diesel arrives at the United States port of entry:

(i) To the Administrator containing the information determined under paragraph (o)(3) of this section; and

(ii) To the foreign refiner containing the information determined under paragraph (o)(3)(ii) of this section, and including identification of the port and Credit Trading Area at which the product was offloaded.

(5) Any United States importer shall meet the requirements specified in §§80.510 and 80.520 and all other requirements of this subpart, for any imported diesel fuel or heating oil that is not classified as Certified DFR-Diesel under paragraph (o)(2) of this section.

(p) *Truck imports of Certified DFR-Diesel produced at a foreign refinery.* (1) Any refiner whose Certified DFR-Diesel is transported into the United States by truck may petition EPA to use alternative procedures to meet the following requirements:

(i) Certification under paragraph (d)(5) of this section;

(ii) Load port and port of entry sampling and testing under paragraphs (f) and (g) of this section;

(iii) Attest under paragraph (h) of this section; and

(iv) Importer testing under paragraph (o)(3) of this section.

(2) These alternative procedures must ensure Certified DFR-Diesel remains segregated from Non-Certified DFR-Diesel and from Non-DFR-Diesel until it is imported into the United States. The petition will be evaluated based on whether it adequately addresses the following:

(i) Provisions for monitoring pipeline shipments, if applicable, from the refinery, that ensure segregation of Certified DFR-Diesel from that refinery from all other diesel fuel;

(ii) Contracts with any terminals and/or pipelines that receive and/or transport Certified DFR-Diesel, that prohibit the commingling of Certified DFR-Diesel with any of the following:

(A) Other Certified DFR-Diesel from other refineries.

(B) All Non-Certified DFR-Diesel.

(C) All Non-DFR-Diesel.

(D) All diesel fuel or heating oil products required to be segregated under this subpart;

(iii) Procedures for obtaining and reviewing truck loading records and United States import documents for Certified DFR-Diesel to ensure that such diesel fuel is only loaded into trucks making deliveries to the United States;

(iv) Attest procedures to be conducted annually by an independent third party that review loading records and import documents based on volume reconciliation, or other criteria, to confirm that all Certified DFR-Diesel remains segregated throughout the distribution system and is only loaded into trucks for import into the United States.

(3) The petition required by this section must be submitted to EPA along with the application for temporary refiner relief individual refinery diesel sulfur standard under this subpart.

(q) *Withdrawal or suspension of a foreign refinery's temporary refinery flexibility program approval.* EPA may withdraw or suspend a diesel refiner baseline or standard approval for a foreign refinery where—

(1) A foreign refiner fails to meet any requirement of this section;

(2) A foreign government fails to allow EPA inspections as provided in paragraph (i)(1) of this section;

(3) A foreign refiner asserts a claim of, or a right to claim, sovereign immunity in an action to enforce the requirements in this subpart; or

(4) A foreign refiner fails to pay a civil or criminal penalty that is not satisfied using the foreign refiner bond specified in paragraph (k) of this section.

(r) *Early use of a foreign refiner motor vehicle diesel fuel baseline.* (1) A foreign refiner may begin using an individual refinery baseline under subpart I of this part before EPA has approved the baseline, provided that:

(i) A baseline petition has been submitted as required in paragraph (b) of this section;

(ii) EPA has made a provisional finding that the baseline petition is complete;

(iii) The foreign refiner has made the commitments required in paragraph (i) of this section;

(iv) The persons who will meet the independent third party and independent attest requirements for the foreign refinery have made the commitments required in paragraphs (f)(3)(iii) and (h)(7)(iii) of this section; and

(v) The foreign refiner has met the bond requirements of paragraph (k) of this section.

(2) In any case where a foreign refiner uses an individual refinery baseline before final approval under paragraph (r)(1) of this section, and the foreign refinery baseline values that ultimately are approved by EPA are more stringent than the early baseline values used by the foreign refiner, the foreign refiner shall recalculate its compliance, *ab initio,* using the baseline values approved by the EPA, and the foreign refiner shall be liable for any resulting violation of the motor vehicle highway diesel fuel requirements.

(s) *Additional requirements for petitions, reports and certificates.* Any petition for approval to produce diesel fuel subject to the diesel foreign refiner program, any alternative procedures under paragraph (p) of this section, any report or other submission required by paragraph (c), (f)(2), or (i) of this section, and any certification under paragraph (d)(3) of this section shall be—

(1) Submitted in accordance with procedures specified by the Administrator, including use of any forms that may be specified by the Administrator.

(2) Be signed by the president or owner of the foreign refiner company, or by that person's immediate designee, and shall contain the following declaration:

I hereby certify: (1) That I have actual authority to sign on behalf of and to bind [insert name of foreign refiner] with regard to all statements contained herein; (2) that I am aware that the information contained herein is being certified, or submitted to the United States Environmental Protection Agency, under the requirements of 40 CFR part 80, subpart I, and that the information is material for determining compliance under these regulations; and (3) that I have read and understand the information being certified or submitted, and this information is true, complete and correct to the best of my knowledge and belief after I have taken reasonable and appropriate steps to verify the accuracy thereof.

I affirm that I have read and understand the provisions of 40 CFR part 80, subpart I, including 40 CFR 80.620 apply to [insert name of foreign refiner]. Pursuant to Clean Air Act section 113(c) and 18 U.S.C. 1001, the penalty for furnishing false, incomplete or misleading information in this certification or submission is a fine of up to $10,000 U.S., and/or imprisonment for up to five years.

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