R-39 REV. 1/77

IMPORTANT: Read Instructions on bottom of Certification Page before completing this form. Failure to comply with instructions may cause disapproval of proposed Regulations.

STATE OF CONNECTICUT

REGULATION

OF

NAME OF AGENCY

Department of Environmental Protection

Concerning

SUBJECT MATTER OF REGULATION

ABATEMENT OF AIR POLLUTION

STANDARDS FOR PERIODIC MOTOR VEHICLE INSPECTION AND MAINTENANCE

Section: 1

Section 22a-174-27 of the Regulations of Connecticut State Agencies is amended to read as follows:

Sec. 22a-174-27. Emission standards for periodic motor vehicle inspection and maintenance.

(a) **Applicability.** This section shall apply to any owner or operator of a 1968 and later model year motor vehicle [which] THAT is not an antique, rare or special interest motor vehicle as defined in section 14-1 of the [general statutes] CONNECTICUT GENERAL STATUTES. This section shall not apply to motor vehicles [which] THAT are exempt pursuant to SUBSECTION (c) OF section 14-164c[(c)] of the [general statutes] CONNECTICUT GENERAL STATUTES.

(b) **Definitions.** [For purposes of this section the definitions contained in subdivisions (1) through (16) shall apply.] AS USED IN THIS SECTION:

(1) "ASM 2525" or "Acceleration Simulation Mode [test] TEST" means an emissions test performed at a steady state of twenty-five (25) miles per hour (mph) and [which utilizes] UTILIZING a dynamometer load set to simulate TWENTY-FIVE PERCENT (25%) of the power required to accelerate the particular vehicle being tested at 3.3 mph[/] PER second until a speed of TWENTY-FIVE (25) mph is attained. Such test shall analyze exhaust gas concentration, [by] THROUGH percent BY VOLUME (VOL. %) OF CO and PARTS PER MILLION BY VOLUME (ppm) of NO and HC, and compare the test results to the maximum allowable exhaust emission standards for CO, NO and HC as published by the United States Environmental Protection Agency in SUBSECTION (a) OF section 85.1[(a)] of the "Acceleration Simulation Mode Test Procedures, Emission Standards, Quality Control Requirements, and Equipment Specifications, Technical Guidance"[,] EPA-AA-RPSD-IM-96-2 (July, 1996) except that the word "should" in subdivisions (a)(1) and (a)(2) of section 85.1[(a)] shall be replaced with the word "shall[.]";

(2) "CO" means carbon monoxide;

[(4)](3) "HC" means hydrocarbon;

[(5)](4) "Composite Motor Vehicle" or "COMPO" means a vehicle [which] THAT is constructed from the component parts of two or more motor vehicles of different model year or vehicle type;

[(6) "g/mi" means grams per mile;]

[(7)](5) "Gross [Vehicle Weight Rating] VEHICLE WEIGHT RATING" or "GVWR" means the value specified by the manufacturer as the maximum loaded weight of a single or a combination (articulated) vehicle, or its registered gross weight, whichever is greater. The GVWR of a combination (articulated) vehicle commonly referred to as the "[Gross Combination Weight Rating] GROSS COMBINATION WEIGHT RATING" or GCWR is the GVWR of the power unit plus the GVWR of the towed unit or units;

[(8)](6) "[idle] IDLE EXHAUST test procedure with loaded preconditioning" means an analysis of exhaust gas concentration, by percent CO and HC, in accordance with SECTION 4 OF "[recommended] RECOMMENDED I/M [short test procedures] SHORT TEST PROCEDURES for the 1990's: Six Alternatives" [section 4,] EPA-AA-TSS-I/M-90-3 (January 1991);

[(9)](7) "[light-duty] LIGHT-DUTY truck" or "LDT" means a motor vehicle rated at TEN-THOUSAND (10,000) [lbs.] POUNDS GVWR or less and is designed:

(A) [to] TO transport property or ten (10) or more persons, not including the operator; or

(B) [with] WITH features enabling off-street or off-highway operation and use;

[(10)](8) "[light-duty] LIGHT-DUTY vehicle" or "LDV" means a motor vehicle that is designed:

(A) [to] TO carry not more than ten (10) persons, including the operator; and

(B) [to] TO transport persons and their property with at least fifty percent (50%) of the total area enclosed by the outermost body contour lines, excluding the area enclosing the engine;

[(11)](9) "[loaded]LOADED vehicle weight" or "[lvw]LVW" means vehicle curb weight plus [three hundred] THREE-HUNDRED (300) pounds [(300 lbs.)];

[(12)](10) "NO" means nitric oxide;

(11) "ON-ROAD TESTING" MEANS THE MEASUREMENT OF HC, CO AND NOX EMISSIONS ON ANY ROAD OR ROADSIDE WITHIN THE STATE OF CONNECTICUT;

[(13) "ppm" means parts per million by volume;]

[(14)] (12) "THC" means total hydrocarbons; AND

[(15)] (13) "[vehicle]VEHICLE curb weight" is defined as in 40 CFR section 86.082-2[; and].

[(16) "vol. %" means percent by volume.]

(c) Emission standards.

(1) Idle exhaust emission standards. Maximum allowable emissions for any vehicle subject to an idle exhaust [emission] test PROCEDURE with loaded preconditioning administered by the Commissioner of Motor Vehicles or his designee shall be:

Vehicle Model Year	CO (Vol. %)	THC (ppm)
1968-69	5.00	500
1970	4.75	475
1971	4.40	450
1972	4.25	425
1973	4.00	390
1974	3.80	350
1975	3.00	300
1976	2.80	300
1977	2.70	300
1978	2.40	275
1979	2.10	250
1980	2.00	225
1981	1.20	200
1982	1.20	200
1983	1.00	175
1984	1.00	150
1985	1.00	150
1986	1.00	150
1987	1.00	150
1988 and later	1.00	125

(2) ASM 2525 exhaust emission standards. Maximum allowable emissions for any vehicle subject to an ASM 2525 exhaust emission test administered by the Commissioner of Motor Vehicles or A [his] designee OF THE COMMISSIONER OF MOTOR VEHICLES shall be as published by the United States Environmental Protection Agency in SUBDIVISION (a)(1) of section 85.1[(a)] of the "Acceleration Simulation Mode Test Procedures, Emission Standards, Quality Control Requirements, and Equipment Specifications, Technical Guidance" EPA-AA-RPSD-IM-96-2 (July, 1996). After December 31, [1999] 2001, maximum allowable emissions for any vehicle subject to an ASM 2525 exhaust emission test administered by the Commissioner of Motor Vehicles or [his] A designee OF THE COMMISSIONER OF MOTOR VEHICLES shall be as published by the United States Environmental Protection Agency in SUBDIVISION (a)(2) of section 85.1[(a)] of the "Acceleration Simulation Mode Test Procedures, Emission Standards, Quality Control Requirements, and Equipment Specifications, Technical Guidance" EPA-AA-RPSD-IM-96-2 (July, 1996).

(3) Visible emission standards. Maximum allowable visible emissions for diesel powered LDVs and LDTs of model

years 1968 and later, shall be TWENTY PERCENT (20%) particulate opacity as determined by any opacity meter.

(4) ON-ROAD TESTING EMISSION STANDARDS. MAXIMUM ALLOWABLE EMISSIONS FOR ANY VEHICLE SUBJECT TO AN ON-ROAD EMISSIONS TEST ADMINISTERED BY THE COMMISSIONER OF MOTOR VEHICLES OR A DESIGNEE OF THE COMMISSIONER OF MOTOR VEHICLES SHALL BE SIX PERCENT (6%) CO BY VOLUME.

(d) Undetermined GVWR. Where the gross vehicle weight rating cannot be determined, the emission standard for LDVs shall apply.

(e) Composite MOTOR vehicles. Where the vehicle is designated "COMPO" in the "make" field of the registration certificate, the emission standards for model year 1968 shall apply.

(f) Alteration or replacement of vehicle engine.

(1) Any vehicle with an engine other than the one originally installed by the manufacturer or an identical replacement of such engine shall be subject to the test procedures and standards for the chassis type and model year of the vehicle.

(2) Any vehicle that is re-engineered from an internal combustion gasoline engine to another combustion or fuel type, shall be subject to the test procedures and standards for a gasoline powered vehicle.

STATEMENT OF PURPOSE: To adopt maximum allowable emissions standards for on-road testing as necessary to implement 40 CFR § 51.371 of the enhanced inspection and maintenance program and to preserve the applicability of emissions standards.

CERTIFICATION

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Page _____ of _____ pages

Be it known that the foregoing:

☒ Regulations ☐ Emergency Regulations

Are:

☐ Adopted ☒ Amended as herinabove stated ☐ Repealed

By the aforesaid agency pursuant to:

☒ Section 22a-174 of the General Statutes

☐ Section _____ of the General Statutes as amended by Public Act No. _____ of the _____ Public Acts.

☐ Public Act No. _____ of the Public Acts.

After Publication in the Connecticut Law Journal on September 21 19 99, of the notice of the proposal to:

☐ Adopt ☒ Amend ☐ Repeal such regulations

(If applicable): ☒ And the holding of an advertised public hearing on the 21st day of October 19 99

WHEREFORE, the foregoing regulations are hereby:

☐ Adopted ☒ Amended as herinabove stated ☐ Repealed

Effective:

☒ When filed with the Secretary of the State

(OR)

☐ The _____ day of _____ 19 ____

In Witness Whereof:	DATE 4/25/00	SIGNED *(Head of Board, Agency or Commission)*	OFFICIAL TITLE, DULY AUTHORIZED Commissioner
Approved by the Attorney General as to legal sufficiency in accordance with Sec. 4--169, as amended, C.G.S.:		SIGNED	OFFICIAL TITLE, DULY AUTHORIZED **Assoc. Atty. General**

5/19/00

☒ Approved

☐ Disapproved

☐ Disapproved in part, *(Indicate Section Numbers disapproved only)*

☐ Rejected without prejudice.

By the Legislative Regulation Review Committee in accordance with Sec. 4-170, as amended, of the General Statues	DATE 8/8/2000	SIGNED *(Clerk of the Legislative Regulation Review Committee)* Pamela G. Booth

Two certified copies received and filed, and one such copy forwarded to the Commission on Official Legal Publications in accordance with Section 4-172, as amended, of the General Statutes.

DATE	SIGNED *(Secretary of the State.)*	BY

INSTRUCTIONS

1. One copy of all regulations for adoption, amendment or repeal, except emergency regulations, must be presented to the Attorney General for his determination of legal sufficiency. Section 4-169 of the General Statutes.
2. Seventeen copies of all regulations for adoption, amendment or repeal, except emergency regulations, must be presented to the standing Legislative Regulation Review Committee for its approval. Section 4-170 of the General Statues
3. Each Regulation must be in the form intended for publication and must include the appropriate regulation section number and section heading. Section 4-172 of the General Statutes.
4. Indicate by "(NEW)" in heading if new regulation. Amended regulations must contain new language in capital letters and deleted language in brackets. Section 4-179 of the General Statutes.

RECEIVED

AUG 21 2000

RECORDS & LEGISLATIVE SERVICES
SECRETARY OF THE STATE

Office of Secretary of the State
State of Connecticut
30 Trinity Street, P.O. Box 150470, Hartford, CT 06115-0470

Susan Bysiewicz
Secretary of the State
Maria M Greenslade
Deputy Secretary of the State

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AUG 2 9 2000
Dept. of Environmental Protection
Office of the Commissioner

August 24, 2000

Hon. Arthur Rocque, Jr., Commissioner
Dept. of Environmental Protection
79 Elm Street
Hartford, CT 06105

Dear Commissioner Rocque:

This is to acknowledge receipt of two certified copies of the following regulation issued by your department concerning:

Abatement of Air Pollution.

Said regulation was received and filed in this office on August 21, 2000. The effective date of this regulation is August 21, 2000.

DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF AIR MANAGEMENT
OFFICE OF BUREAU CHIEF
AUG 2 9 2000

Very truly yours,

Peter J. Bartucca
Manager, Records and Legislative Services

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AUG 2 9 2000
DEPT. OF ENVIRONMENTAL PROTECTION
OFFICE OF DEPUTY COMMISSIONER
AIR, WASTE AND WATER

PJB:lm
File