

ILLINOIS POLLUTION CONTROL BOARD

August 24, 2000

IN THE MATTER OF:)
)
ENHANCED VEHICLE INSPECTION AND) R01-12
MAINTENANCE (I/M) REGULATIONS:) (Rulemaking - Air)
AMENDMENTS TO 35 ILL. ADM. CODE 240)
)

Proposed Rule. Proposal for Public Comment.

OPINION AND ORDER OF THE BOARD (by C.A. Manning):

On August 21, 2000, the Illinois Environmental Protection Agency (Agency) filed a proposal to amend the Board's regulations on inspecting and maintaining vehicles to control air emissions. Today, the Board accepts the Agency's proposal for hearing.

BACKGROUND

Sections 182(b) and (c) of the federal Clean Air Act (CAA) (42 U.S.C §§ 7511a(b) and (c)) require states to implement vehicle "inspection and maintenance" (I/M) programs in areas that do not meet National Ambient Air Quality Standards (NAAQS) for ozone or carbon monoxide. Areas that do not meet NAAQS are referred to as "nonattainment" areas.

The CAA requires "basic" I/M programs in "moderate" and "marginal" ozone nonattainment areas with existing I/M programs. It requires "enhanced" I/M programs in "serious," "severe," and "extreme" ozone nonattainment areas with a population of 200,000 or more. The CAA also requires states to submit, for the approval of the United States Environmental Protection Agency (USEPA), revisions to their State Implementation Plans (SIPs) that describe a satisfactory I/M program and assure that the I/M program will be implemented.

In Illinois, two areas do not meet the NAAQS for ozone: (1) the Chicago metropolitan nonattainment area, which is a severe nonattainment area; and (2) the Metro-East St. Louis nonattainment area, which is a moderate nonattainment area. Under Illinois' Vehicle Emissions Inspection Law of 1995 (Vehicle Emissions Law (625 ILCS 5/13B-1 *et seq.* (1998))), the Agency has proposed, and the Board has adopted, as amendments to 35 Ill. Adm. Code 240, an enhanced I/M program for these two nonattainment areas. See Enhanced Vehicle Inspection and Maintenance (I/M) Regulations: Amendments to 35 Ill. Adm. Code 240 (July 8, 1998), R98-24; (December 1, 1994), R94-20; (December 1, 1994), R94-19. The Agency currently proposes to further amend the enhanced I/M program.

DISCUSSION

In this portion of the opinion, the Board (1) describes the Agency's proposal, (2) discusses the statutory framework governing this rulemaking, (3) describes how the Board will proceed with the Agency's proposal, and (4) rules on the Agency's motion to waive certain procedural requirements.

Agency Proposal

Under Section 13B-20(a) of the Vehicle Emissions Law (625 ILCS 5/13B-20(a) (1998)), the Agency proposes amendments to 35 Ill. Adm. Code 240 with respect to the enhanced I/M program for the Chicago metropolitan and Metro-East St. Louis nonattainment areas. See Agency Statement of Reasons at 3-4. The Agency describes its proposed changes as follows:

1. delaying the implementation of "pass/fail" on-board diagnostic testing from January 1, 2001, to January 1, 2002;
2. retaining current, more lenient "start-up" hydrocarbon and carbon monoxide emission standards for model year 1981 through model year 1986 light duty vehicles, light duty trucks 1, and light duty trucks 2; and
3. adding several definitions, incorporating USEPA guidance by reference, eliminating outdated provisions, and clarifying certain provisions. See Agency Statement of Reasons at 3, 5-9, 11-13; Agency Summary of Testimony of Elizabeth R. Tracy at 1-2.

The Agency describes these proposed changes as "relatively minor adjustments to the Enhanced I/M program." Agency Statement of Reasons at 5. The Agency states that it is proposing the amendments "to enable Illinois to meet federal and state mandated enhanced emissions testing requirements." *Id.* at 3. The Agency also states that its proposal is "designed to promote the acceptance of and adherence to the enhanced I/M program, and to refine certain test requirements . . ." *Id.* at 5.

Statutory Framework

The Agency proposes to amend 35 Ill. Adm. Code 240 pursuant to Section 13B-20(a) of the Vehicle Emissions Law (625 ILCS 5/13B-20(a) (1998)). Section 13B-20(a) provides in part:

The Agency shall propose standards necessary to achieve reductions in the emission of hydrocarbons, carbon monoxide, and oxides of nitrogen from motor vehicles subject to inspection under this Chapter. Within 120 days after the Agency proposes these standards, the Board shall adopt rules establishing standards for the emission of hydrocarbons, carbon monoxide, and oxides of nitrogen from motor vehicles subject to inspection under this Chapter. These rules may be amended from time to time pursuant to Agency proposals.

* * *

[S]ubsection (b) of Section 27 of the Environmental Protection Act and the rulemaking provisions of the Illinois Administrative Procedure Act shall not apply to rules adopted by the Board under this subsection. 625 ILCS 5/13B-20(a) (1998).

How the Board Will Proceed

The Board accepts the Agency's proposal for hearing. Because Section 13B-20(a) of the Vehicle Emissions Law requires the Board to adopt rules within 120 days after it receives the Agency's proposal, the Board will, without commenting on the merits of the Agency's proposal, proceed by publishing this proposal in the *Illinois*

Register as a proposal for public comment. The hearing officer assigned to this rulemaking will establish a deadline for filing public comments.

Pursuant to Section 28 of the Environmental Protection Act (Act) (415 ILCS 5/28 (1998)), the Board will hold at least two public hearings during this rulemaking. The Board will hold one hearing in Chicago and one hearing in the Metro-East St. Louis area. The hearing officer will establish specific locations and times for the hearings. After considering the issues raised at the public hearings and in public comments, the Board will issue a final opinion and order and publish the adopted rules in the *Illinois Register*.

As set forth above, Section 13B-20(a) of the Vehicle Emissions Law states that Section 27(b) of the Act (415 ILCS 5/27(b) (1998)) and the rulemaking provisions of the Administrative Procedure Act (5 ILCS 100/1-1 *et seq.*(1998)) “shall not apply to rules adopted by the Board under this subsection.” 625 ILCS 5/13B-20(a) (1998). Accordingly, the Board will not request that the Department of Commerce and Community Affairs conduct an economic impact study of the proposed amendments pursuant to Section 27(b) of the Act. Nor will the Board submit the proposed amendments for first or second notice pursuant to Section 5-40 of the Administrative Procedure Act (5 ILCS 100/5-40 (1998)). The Board will, however, hold public hearings and solicit public comment as described above.

The Board directs the hearing officer to schedule public hearings pursuant to Section 28 of the Act. Further, as noted above, the proposal will be published as a proposal for public comment in the *Illinois Register*. The Board also notes that hearing transcripts and the Board’s opinions and orders in this rulemaking, including this opinion and order, will be available on the Board’s Web site (www.ipcb.state.il.us).

Agency Motion

With its proposal, the Agency filed a motion to waive certain procedural requirements. Because the proposal is several hundred pages long, the Agency asks the Board to waive certain filing and service requirements of 35 Ill. Adm. Code 102.120. See Agency Motion at 1-2. That section of the Board’s procedural rules requires the Agency to file an original and nine copies of the proposal with the Clerk, and to serve a copy of the proposal on the Attorney General and the Department of Natural Resources.

The Agency asks that the Board accept an original and five copies of the proposal, along with four partial copies of the proposal. The partial copies consist of pleadings and proposed rules, but not supporting exhibits. See Agency Motion at 2. The Agency also asks that it be allowed to serve only its Statement of Reasons and notice of the proposal on the Attorney General, and only notice of the proposal on the Department of Natural Resources. The Agency states that representatives of the Attorney General and the Department of Natural Resources do not object to the motion. *Id.* The Board grants the motion.

ORDER

The Board directs the Clerk to file the following proposed amendments to 35 Ill. Adm. Code 240 with the Secretary of State to publish in the *Illinois Register* as a proposal for public comment. Proposed additions are underlined; proposed deletions are stricken.

TITLE 35: ENVIRONMENTAL PROTECTION
 SUBTITLE B: AIR POLLUTION
 CHAPTER I: POLLUTION CONTROL BOARD
 SUBCHAPTER k: EMISSION STANDARDS AND LIMITATIONS FOR MOBILE SOURCES

PART 240
 MOBILE SOURCES

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- 240.Appendix A Rule into Section Table
- 240.Appendix B Section into Rule Table

- 240.Table A Vehicle Exhaust Emission Start-Up Standards
- 240.Table B Vehicle Exhaust Emission Final Standards
- 240.Table C Vehicle Exhaust Emission Fast-Pass Standards

AUTHORITY: Implementing Sections 9, 10 and 13 and authorized by Section 27 ~~and 28.5~~ of the Environmental Protection Act [415 ILCS 5/9, 10, 13, ~~and 27, and 28.5~~] and Section 13B-20 of the Vehicle Emissions Inspection Law of 1995 [625 ILCS 5/13B-20]. (~~see Section 10 of P.A. 90-475, effective August 16, 1997~~).

SOURCE: Adopted as Chapter 2: Air Pollution, Part VII: Mobile Sources, filed and effective April 14, 1972; codified at 7 Ill. Reg. 13628; amended in R85-25, at 10 Ill. Reg. 11277, effective June 16, 1986; amended in R90-20 at 16 Ill. Reg. 6184, effective April 7, 1992; amended in R94-20 at 18 Ill. Reg. 18013, effective December 12, 1994; amended in R94-19 at 18 Ill. Reg. 18228, effective December 20, 1994; amended in R98-24 at 22 Ill. Reg. 13723, effective July 13, 1998; expedited correction at 22 Ill. Reg. 21120, effective July 13, 1998.

BOARD NOTE: This part implements the Environmental Protection Act as of July 1, 1994.

NOTE: Capitalization denotes statutory language.

SUBPART A: DEFINITIONS AND GENERAL PROVISIONS

Section 240.102 Definitions

All terms which appear in this Part have the definitions specified in this Part and 35 Ill. Adm. Code 201 and 211. Where conflicting definitions occur, the definitions of this Section apply in this Part.

“Adjusted Loaded Vehicle Weight (“ALVW”)” means vehicle curb weight plus gross vehicle weight rating divided by two.

“Agency” means the Illinois Environmental Protection Agency.

"Diesel engine" means all types of internal-combustion engines in which air is compressed to a temperature sufficiently high to ignite fuel injected directly into the cylinder area.

"Diesel locomotive" means a diesel engine vehicle designed to move cars on a railway.

“Evaporative system integrity test” means a test of a vehicle’s evaporative system. The test shall either consist of a leak check of a vehicle’s fuel cap with a fuel cap pressure decay tester (fuel cap pressure decay test), a fuel cap leak flow tester (fuel cap leak flow test), or a visual functional check, as applicable.

“Fuel cap” means a device used to seal a vehicle’s fuel inlet.

“Fuel cap leak flow test” means a test which may be performed in accordance with this Part on a vehicle’s fuel cap using a fuel cap leak flow tester to determine whether the vehicle complies with the evaporative system emission standards of this Part.

“Fuel cap leak flow tester” means a device used to determine the leak flow integrity of a vehicle’s fuel cap by comparing the measured leak flow of the fuel cap with an established fuel cap leak flow standard.

“Fuel cap pressure decay test” means the test performed in accordance with this Part on a vehicle’s fuel cap using a fuel cap pressure decay tester to determine whether the vehicle complies with the evaporative system emission standards of this Part.

“Fuel cap pressure decay tester” means a device used to determine the pressure decay integrity of a vehicle’s fuel cap by monitoring the pressure behind the fuel cap for a ten second period and comparing the measured pressure decay of the fuel cap to an established fuel cap pressure decay standard.

“Fuel cap visual functional test” means the test performed in accordance with this Part on a vehicle’s fuel cap using visual analysis to determine whether the vehicle complies with the evaporative system emission standards of this Part.

"Full power position" means the throttle position at which the engine fuel delivery is at maximum flow.

"Gross vehicle weight rating (GVWR)" means the value specified by the manufacturer as the maximum design loaded weight of a single vehicle.

"Heavy duty vehicle" means any motor vehicle rated at more than 8500 pounds GVWR or that has a vehicle curb weight of more than 6000 pounds or that has a basic vehicle frontal area in excess of 45 square feet.

"High idle" means a vehicle operating condition with engine disconnected from an external load (placed in either neutral or park) and operating at speed of 2500 ± 300 RPM.

"Idle mode" means that portion of a vehicle emission test procedure conducted with the engine disconnected from an external load and operating at minimum throttle.

"Initial idle mode" means the first of up to two idle mode sampling periods during a steady-state idle mode test, during which exhaust emission measurements are made with the vehicle in "as-received" condition.

"Light duty truck 1" means a motor vehicle rated at 6000 pounds maximum GVWR or less and which has a vehicle frontal area of 45 square feet or less, and which is designed primarily for purposes of transportation of property or is a derivation of such a vehicle, or is designed primarily for transportation of persons and has a capacity of more than 12 persons, or is available with special features enabling off-street or off-highway operation and use.

"Light duty truck 2" means a motor vehicle rated between 6001 and 8500 pounds maximum GVWR and which has a vehicle frontal area of 45 square feet or less, and which is designed primarily for purposes of transportation of property or is a derivation of

such a vehicle, or is designed primarily for transportation of persons and has a capacity of more than 12 persons, or is available with special features enabling off-street or off-highway operation and use.

"Light duty vehicle" means a passenger car or passenger car derivative capable of seating 12 passengers or fewer. "Loaded mode" means that portion of a vehicle emission test procedure conducted with the vehicle positioned and operating under load on a chassis dynamometer.

"Loaded mode" means that portion of a vehicle emission test procedure conducted with the vehicle positioned and operating under load on a chassis dynamometer.

"Loaded vehicle weight (LVW)" means the vehicle curb weight plus 300 pounds.

"Measured values" means five second running averages of exhaust emission concentrations sampled at a minimum rate of twice per second.

"Model year" means the year of manufacture of a motor vehicle based upon the annual production period as designated by the manufacturer and indicated on the title and registration of the vehicle. If the manufacturer does not designate a production period for the vehicle, then "model year" means the calendar year of manufacture.

"Motor vehicle" as used in this Part, shall have the same meaning as in Section 1-146 of the Illinois Vehicle Code [625 ILCS 5/1-146].

"Preconditioning mode" means a period of steady-state loaded mode or high-idle operation conducted to ensure that the engine and emissions control system components are operating at normal operating temperatures, thus minimizing false failures caused by improper or insufficient warm-up.

"Second-chance idle mode" means the second of two idle mode sampling periods during a steady-state idle mode test, preceded by a preconditioning mode and utilized as a second chance to pass idle exhaust emission standards immediately following an initial idle mode failure.

"Smokemeter or opacimeter" means an optical instrument designed to measure the opacity of smoke or diesel exhaust gases using the light extinction method.

"Snap-idle cycle" means rapidly depressing the accelerator pedal from normal idle to the full power position while the vehicle is in neutral, holding the pedal in the position for no longer than ten seconds or until the engine reaches maximum RPM, and fully releasing the pedal so that the engine decelerates to normal idle.

"Steady-state idle test" means a vehicle emission test procedure consisting of an initial idle mode measurement of exhaust emissions followed, if necessary, by a loaded or high idle preconditioning mode and a second-chance idle mode.

"Transient loaded mode test" means a vehicle emissions test run on an inertial and power absorbing dynamometer using USEPA's IM240 driving cycle consisting of accelerations and decelerations simulating on-road driving conditions.

"Vehicle curb weight" means the actual vehicle weight plus standard equipment and a full fuel tank.

(Source: Amended at __ Ill. Reg. ____, effective _____)

Section 240.104 Inspection

- a) ~~All motor vehicles subject to inspection pursuant to Section 13A-104 of the Vehicle Emissions Inspection Law [625 ILCS 5/13A-104] shall comply with the exhaust emission standards for carbon monoxide and hydrocarbons set forth at Section 240.124 of this Part.~~
- b) All motor vehicles subject to inspection pursuant to Section 13B-15 of the Vehicle Emissions Inspection Law [625 ILCS 5/13B-15] shall comply with applicable vehicle emission standards contained in Sections 240.152, 240.162, 240.163, 240.172, 240.182 and 240.192 of this Part.

(Source: Amended at __ Ill. Reg. ____, effective _____)

Section 240.105 Penalties

- a) Any violations of Sections 240.103, 240.121, 240.122, and 240.123 of this Part shall be subject to the penalties as set forth in Section 42 of the Act [415 ILCS 5/42].
- b) ~~Any violations of Sections 240.104(a) and 240.124 of this Part shall be subject to the penalties as set forth in Sections 13A-112 and 13A-113 of the Vehicle Emissions Inspection Law [625 ILCS 5/13A-112 and 13A-113].~~
- e) Any violations of Sections 240.104(b), 240.152, 240.162, 240.163, 240.172, 240.182, and 240.192 of this Part shall be subject to the penalties as set forth in Sections 13B-55 and 13B-60 of the Vehicle Emissions Inspection Law.

(Source: Amended at __ Ill. Reg. ____, effective _____)

Section 240.106 Determination of Violation

- a) Any violations of Sections 240.103, 240.121, 240.122, and 240.123 of this Part shall be determined by visual observation or by a test procedure employing an opacity measurement system as qualified by 35 Ill. Adm. Code 201, Subpart J.
- b) Any violations of Sections ~~240.124~~, 240.152, 240.162, 240.163, 240.172, 240.182, or 240.192 of this Part shall be determined in accordance with test procedures adopted by the Agency in 35 Ill. Adm. Code 276.

(Source: Amended at __ Ill. Reg. ____, effective _____)

Section 240.107 Incorporations by Reference

The following materials are incorporated by reference and include no later editions or amendments:

- a) Society of Automotive Engineers (SAE), 400 Commonwealth Drive, Warrendale, PA 15096: Report J255a Diesel Engine Smoke Measurement (August 1978).
- b) International Standards Organization (ISO), Case Postale 56, 1211 Geneve 20, Switzerland: ISO 393 (Working Draft, January 1991). Also available from American National Standards Institute (ANSI), 11 West 42nd Street, New York, NY 10036.
- c) United States Environmental Protection Agency (USEPA), "High-Tech I/M Test Procedures, Emission Standards, Quality Control Requirements, and Equipment Specifications: IM240 and

Functional Evaporative System Tests, Revised Technical Guidance,” Report EPA-AA-RSPD-IM-96-1 (June 1996), 2565 Plymouth Road, Ann Arbor, MI 48105.

- d) United States Environmental Protection Agency (USEPA), Transportation and Regional Programs Division, Office of Transportation and Air Quality, “IM240 & Evap Technical Guidance,” Report EPA420-R-00-007 (April 2000), 2565 Plymouth Road, Ann Arbor, MI 48105.

(Source: Amended at ___ Ill. Reg. ____, effective _____)

SUBPART B: EMISSIONS

Section 240.124 Vehicle Exhaust Emission Standards (Repealed)

- a) ~~Exhaust emissions from light duty vehicles shall not exceed the following limitations:~~

Model Year	Carbon Monoxide (%)	Hydrocarbons as Hexane (ppm)
1968—1971	9.0	900
1972—1974	8.0	800
1975—1977	7.0	700
1978—1979	6.0	600
1980	3.0	300
1981 and later	1.2	220

- b) ~~Exhaust emissions from light duty trucks, which for the purposes of this subsection means a motor vehicle rated at 8000 pounds gross vehicle weight or less which is designed for carrying more than 10 persons or designed for the transportation of property, freight or cargo, or is a derivative of such a vehicle, shall not exceed the following limitations:~~

Model Year	Carbon Monoxide (%)	Hydrocarbons as Hexane (ppm)
1968—1971	9.0	900
1972—1974	8.0	800
1975—1978	7.0	700
1979—1980	6.0	600
1981—1983	3.0	300
1984 and later	1.2	220

- c) ~~Exhaust emissions from heavy duty vehicles, which for the purposes of this subsection means a vehicle with 8001 pounds or greater manufacturer's maximum gross vehicle weight rating (GVWR), shall not exceed the following limitations:~~

Model Year	Carbon Monoxide %	Hydrocarbons as Hexane (ppm)
1968—1971	9.5	1500
1972—1978	9.0	900
1979—1984	7.0	700

(Source: Repealed at ___ Ill. Reg. _____, effective _____)

Section 240.125 Compliance Determination (Repealed)

~~For purposes of determining compliance with Section 240.124 of this Part, all vehicles shall be inspected while operating in the idle mode, and all 1981 and later model year light duty vehicles and light duty trucks (as defined in Subsection 240.124(b) of this Part) shall be inspected at high idle during a two speed idle test.~~

(Source: Repealed at ___ Ill. Reg. _____, effective _____)

SUBPART E: TRANSIENT LOADED MODE TEST EMISSION STANDARDS

Section 240.162 Vehicle Exhaust Emission Start-Up Standards

Vehicle exhaust emission start-up standards contained in Section 240. Table A of this Part shall apply for all vehicles subject to inspection until two years after the beginning of IM240 testing. Subsequently, these standards shall continue to apply to all model year 1981 through model year 1987 LDV, LDT1, and LDT2 vehicles. All standards are expressed in grams per mile (gpm).

(Source: Amended at ___ Ill. Reg. _____, effective _____)

Section 240.163 Vehicle Exhaust Emission Final Standards

Vehicle exhaust emission final standards contained in Section 240. Table B of this Part shall apply for all vehicles subject to inspection beginning at the conclusion of testing using the start-up vehicle exhaust emissions standards required in Section 240.162 except for model year 1981 through model year 1987 LDV, LDT1, and LDT2 vehicles, which shall continue to use the standards contained in Section 240. Table A of this Part as described in Section 240.162. All standards are expressed in grams per mile (gpm).

(Source: Amended at ___ Ill. Reg. _____, effective _____)

Section 240.164 Vehicle Exhaust Emission Fast-Pass Standards

Vehicle exhaust emissions fast-pass standards contained in Section 240. Table C of this Part will apply for all vehicles subject to inspection under Section 240.161 of this Part utilizing the IM240 transient loaded mode exhaust emission test procedures that have been ~~will be~~ adopted by the Agency in 35 Ill. Adm. Code 276. All standards are expressed as the cumulative grams for each second of the composite and Phase 2 tests.

(Source: Amended at ___ Ill. Reg. _____, effective _____)

Section 240.165 Compliance Determination

- a) Vehicle Exhaust Emission Start-Up and Final Standards - Compliance shall be determined based upon the measurement of exhaust emissions while operating the vehicle on a dynamometer and following the driving cycle as specified for the transient IM240 test procedures adopted by the Agency. If the corrected, composite emission rates exceed standards for any pollutant, additional analysis of test results shall review the second phase ("Phase 2") of the driving cycle separately. Phase 2 shall include second 94 through second 239 of the driving cycle. Second-by-second emission rates in grams and composite emission rates in grams per mile for Phase 2 and for the entire composite test shall be recorded for each pollutant. For any given pollutant, if the composite emission level is at or below the composite standard or if the Phase 2 grams per mile emission level

is at or below the applicable Phase 2 standard, then the vehicle shall pass the test for that pollutant. Composite and Phase 2 emission rates shall be calculated in accordance with procedures specified in "High-Tech I/M Procedures, Emissions Standards, Quality Control Requirements, and Equipment Specifications: IM240 and Functional Evaporative System Tests, Revised Technical Guidance," incorporated by reference at Section 240.107(c) ~~240.107~~ of this Part.

- b) Vehicle Exhaust Emission Fast-Pass Standards - Compliance will be determined based upon the measurement of exhaust emissions while operating the vehicle on a dynamometer and following the driving cycle as specified for the transient IM240 test procedures adopted by the Agency. Vehicles will be fast-passed using the following algorithm:
- 1) Beginning at second 30 of the driving cycle, cumulative second-by-second emission levels for each second, calculated from the start of the cycle in grams, will be compared to the cumulative fast-pass emission standards for the second under consideration. Beginning at second 109, fast-pass decisions are based upon analysis of cumulative emissions in Phase 2, the portion of the test beginning at second 94, as well as emission levels accumulated from the beginning of the composite test.
 - 2) A vehicle will pass the transient IM240 test for a given pollutant if either of the following conditions occurs:
 - A) cumulative emissions of the pollutant are below the full cycle fast-pass standard for the second under consideration; or
 - B) at second 109 and later, cumulative Phase 2 emissions are below the Phase 2 fast-pass standards for the second under consideration.
 - 3) Testing may be terminated when fast-pass criteria are met for all subject pollutants in the same second.
 - 4) If a fast-pass determination cannot be made for all subject pollutants before the driving cycle ends, the pass/fail determination for each component will be based on composite or Phase 2 emissions over the full driving cycle according to the procedures in subsection (a) of this Section. In cases where fast-pass standards are not used, composite emission rates in grams per mile for Phase 2 and for the entire composite test will be recorded for each pollutant.
 - 5) Composite and Phase 2 emission rates will be calculated in accordance with procedures specified in "High-Tech I/M Procedures, Emissions Standards, Quality Control Requirements, and Equipment Specifications: IM240 and Functional Evaporative System Tests, Revised Technical Guidance" incorporated by reference at Section 240.107(c) ~~240.107~~ of this Part.

(Source: Amended at ___ Ill. Reg. ____, effective _____)

SUBPART H: ON-BOARD DIAGNOSTIC TEST STANDARDS

Section 240.191 Applicability

The standards of this Subpart apply to all 1996 and newer model year light duty vehicles, light duty trucks 1, and light duty trucks 2 that are required to meet the standards contained in 40 C.F.R. § 86.094-17 and which are inspected utilizing the on-board diagnostic test procedures that will be adopted by the Agency in 35 Ill. Adm. Code 276. Vehicles that receive a result of fail do not thereby fail their emissions test until January 1, 2002 ~~2001~~.

(Source: Amended at ___ Ill. Reg. ____, effective _____)

Section 240.TABLE A Vehicle Exhaust Emission Start-Up Standards

Light Duty Vehicles:

Model Years	Hydrocarbons		Carbon Monoxide		Oxides of Nitrogen	
	Composite (gpm)	Phase 2 (gpm)	Composite (gpm)	Phase 2 (gpm)	Composite (gpm)	Phase 2 (gpm)
1996+	0.80	0.50	15.0	12.0	2.0	Reserved
1991-1995	1.20	0.75	20.0	16.0	2.5	Reserved
1983-1990	2.00	1.25	30.0	24.0	3.0	Reserved
1981-1982	2.00	1.25	60.0	48.0	3.0	Reserved

Light Duty Trucks 1:

Model Years	Hydrocarbons		Carbon Monoxide		Oxides of Nitrogen	
	Composite (gpm)	Phase 2 (gpm)	Composite (gpm)	Phase 2 (gpm)	Composite (gpm)	Phase 2 (gpm)
1996+						
(\leq 3750 LVW)	0.80	0.50	15.0	12.0	2.0	Reserved
(> 3750 LVW)	1.00	0.63	20.0	16.0	2.5	Reserved
1991-1995	2.40	1.50	60.0	48.0	3.0	Reserved
1988-1990	3.20	2.00	80.0	64.0	3.5	Reserved
1984-1987	3.20	2.00	80.0	64.0	7.0	Reserved
1981-1983	7.50	5.00	100.0	80.0	7.0	Reserved

Light Duty Trucks 2:

Model Years	Hydrocarbons		Carbon Monoxide		Oxides of Nitrogen	
	Composite (gpm)	Phase 2 (gpm)	Composite (gpm)	Phase 2 (gpm)	Composite (gpm)	Phase 2 (gpm)
1996+						
(\leq 5750 <u>ALVW</u>)	1.00	0.63	20.0	16.0	2.5	Reserved
(> 5750 <u>ALVW</u>)	2.40	1.50	60.0	48.0	4.0	Reserved
1991-1995	2.40	1.50	60.0	48.0	4.5	Reserved
1988-1990	3.20	2.00	80.0	64.0	5.0	Reserved
1984-1987	3.20	2.00	80.0	64.0	7.0	Reserved
1981-1983	7.50	5.00	100.0	80.0	7.0	Reserved

(Source: Amended at ___ Ill. Reg. ____, effective _____)

Section 240.TABLE B Vehicle Exhaust Emission Final Standards

Light Duty Vehicles:

Model Years	Hydrocarbons		Carbon Monoxide		Oxides of Nitrogen	
	Composite (gpm)	Phase 2 (gpm)	Composite (gpm)	Phase 2 (gpm)	Composite (gpm)	Phase 2 (gpm)
1996+	0.60	0.40	10.0	8.0	1.5	Reserved
1983-1995	0.80	0.50	15.0	12.0	2.0	Reserved
1981-1982	0.80	0.50	30.0	24.0	2.0	Reserved

Light Duty Trucks 1:

Model Years	Hydrocarbons		Carbon Monoxide		Oxides of Nitrogen	
	Composite (gpm)	Phase 2 (gpm)	Composite (gpm)	Phase 2 (gpm)	Composite (gpm)	Phase 2 (gpm)
1996+ (\leq 3750 LVW)	0.60	0.40	10.0	8.0	1.5	Reserved
($>$ 3750 LVW)	0.80	0.50	13.0	10.0	1.8	Reserved
1988-1995	1.60	1.00	40.0	32.0	2.5	Reserved
1984-1987	1.60	1.00	40.0	32.0	4.5	Reserved
1981-1983	3.40	2.00	70.0	56.0	4.5	Reserved

Light Duty Trucks 2:

Model Years	Hydrocarbons		Carbon Monoxide		Oxides of Nitrogen	
	Composite (gpm)	Phase 2 (gpm)	Composite (gpm)	Phase 2 (gpm)	Composite (gpm)	Phase 2 (gpm)
1996+ (\leq 5750 <u>ALVW</u>)	0.80	0.50	13.0	10.0	1.8	Reserved
($>$ 5750 <u>ALVW</u>)	0.80	0.50	15.0	12.0	2.0	Reserved
1988-1995	1.60	1.00	40.0	32.0	3.5	Reserved
1984-1987	1.60	1.00	40.0	32.0	4.5	Reserved
1981-1983	3.40	2.00	70.0	56.0	4.5	Reserved

(Source: Amended at ___ Ill. Reg. _____, effective _____)

Section 240.TABLE C Vehicle Exhaust Emission Fast-Pass Standards

- a) Vehicles having composite hydrocarbon emission limitations of less than 1.25 grams per mile, in Section 240.TABLE A or Section 240.TABLE B, shall use the hydrocarbon fast-pass standards contained in this

subpart. Vehicles having and composite carbon monoxide emission limitations of less than 20.0 grams per mile, in Section 240.TABLE A or Section 240.TABLE B, shall use the carbon monoxide fast-pass standards contained in this subpart.

Second	Hydrocarbons		Carbon Monoxide	
	Composite	Phase 2	Composite	Phase 2
30	0.124	N/A	0.693	N/A
31	0.126	N/A	0.773	N/A
32	0.129	N/A	0.837	N/A
33	0.135	N/A	0.851	N/A
34	0.140	N/A	0.853	N/A
35	0.146	N/A	0.857	N/A
36	0.150	N/A	0.900	N/A
37	0.153	N/A	0.960	N/A
38	0.156	N/A	1.034	N/A
39	0.160	N/A	1.070	N/A
40	0.165	N/A	1.076	N/A
41	0.169	N/A	1.083	N/A
42	0.172	N/A	1.102	N/A
43	0.173	N/A	1.111	N/A
44	0.177	N/A	1.114	N/A
45	0.197	N/A	1.157	N/A
46	0.200	N/A	1.344	N/A
47	0.208	N/A	1.482	N/A
48	0.221	N/A	1.530	N/A
49	0.232	N/A	1.542	N/A
50	0.235	N/A	1.553	N/A
51	0.238	N/A	1.571	N/A
52	0.240	N/A	1.595	N/A
53	0.242	N/A	1.633	N/A
54	0.246	N/A	1.685	N/A
55	0.249	N/A	1.689	N/A
56	0.252	N/A	1.693	N/A
57	0.261	N/A	1.700	N/A
58	0.271	N/A	1.723	N/A
59	0.276	N/A	1.852	N/A
60	0.278	N/A	1.872	N/A
61	0.280	N/A	1.872	N/A
62	0.282	N/A	1.872	N/A
63	0.283	N/A	1.900	N/A
64	0.284	N/A	1.917	N/A
65	0.285	N/A	1.944	N/A
66	0.286	N/A	2.000	N/A
67	0.288	N/A	2.060	N/A
68	0.291	N/A	2.064	N/A
69	0.294	N/A	2.076	N/A
70	0.296	N/A	2.104	N/A
71	0.298	N/A	2.117	N/A
72	0.300	N/A	2.125	N/A
73	0.302	N/A	2.130	N/A
74	0.304	N/A	2.138	N/A
75	0.307	N/A	2.152	N/A
76	0.308	N/A	2.170	N/A
77	0.308	N/A	2.188	N/A

78	0.308	N/A	2.200	N/A
79	0.314	N/A	2.212	N/A
80	0.320	N/A	2.212	N/A
81	0.324	N/A	2.221	N/A
82	0.327	N/A	2.222	N/A
83	0.329	N/A	2.227	N/A
84	0.333	N/A	2.236	N/A
85	0.336	N/A	2.243	N/A
86	0.339	N/A	2.262	N/A
87	0.343	N/A	2.271	N/A
88	0.347	N/A	2.284	N/A
89	0.350	N/A	2.299	N/A
90	0.356	N/A	2.308	N/A
91	0.358	N/A	2.326	N/A
92	0.360	N/A	2.330	N/A
93	0.363	N/A	2.331	N/A
94	0.367	N/A	2.344	N/A
95	0.370	N/A	2.347	N/A
96	0.372	N/A	2.355	N/A
97	0.376	N/A	2.395	N/A
98	0.388	N/A	2.451	N/A
99	0.396	N/A	2.508	N/A
100	0.405	N/A	2.590	N/A
101	0.410	N/A	2.660	N/A
102	0.411	N/A	2.749	N/A
103	0.412	N/A	2.913	N/A
104	0.413	N/A	3.162	N/A
105	0.421	N/A	3.170	N/A
106	0.428	N/A	3.197	N/A
107	0.430	N/A	3.288	N/A
108	0.455	N/A	3.419	N/A
109	0.459	0.015	3.587	0.168
110	0.462	0.017	3.595	0.173
111	0.464	0.021	3.640	0.237
112	0.466	0.024	3.740	0.266
113	0.468	0.024	3.868	0.280
114	0.471	0.025	3.877	0.291
115	0.488	0.026	3.934	0.314
116	0.513	0.029	4.015	0.331
117	0.538	0.032	4.061	0.345
118	0.561	0.035	4.063	0.350
119	0.577	0.035	4.079	0.356
120	0.580	0.036	4.140	0.367
121	0.586	0.038	4.185	0.388
122	0.594	0.040	4.199	0.407
123	0.603	0.041	4.205	0.463
124	0.610	0.042	4.212	0.480
125	0.615	0.042	4.232	0.506
126	0.624	0.042	4.298	0.518
127	0.628	0.045	4.344	0.522
128	0.632	0.046	4.361	0.525
129	0.637	0.046	4.366	0.528
130	0.641	0.049	4.369	0.530
131	0.643	0.050	4.372	0.530

132	0.644	0.052	4.435	0.534
133	0.645	0.054	4.523	0.550
134	0.647	0.054	4.524	0.554
135	0.651	0.054	4.525	0.590
136	0.658	0.055	4.531	0.616
137	0.663	0.055	4.534	0.639
138	0.666	0.056	4.542	0.653
139	0.668	0.059	4.553	0.662
140	0.670	0.061	4.554	0.683
141	0.672	0.061	4.554	0.696
142	0.675	0.061	4.554	0.708
143	0.678	0.063	4.554	0.721
144	0.681	0.064	4.554	0.739
145	0.684	0.065	4.554	0.742
146	0.686	0.066	4.554	0.743
147	0.688	0.067	4.554	0.745
148	0.690	0.068	4.554	0.748
149	0.692	0.069	4.554	0.751
150	0.694	0.070	4.554	0.762
151	0.696	0.071	4.556	0.789
152	0.698	0.072	4.556	0.790
153	0.700	0.073	4.565	0.794
154	0.702	0.073	4.612	0.799
155	0.704	0.074	4.834	0.805
156	0.706	0.077	5.702	0.842
157	0.708	0.079	5.841	0.990
158	0.710	0.082	6.170	1.038
159	0.712	0.082	6.670	1.357
160	0.716	0.086	7.425	1.455
161	0.750	0.095	8.379	1.546
162	0.784	0.107	9.648	1.824
163	0.805	0.115	10.918	2.746
164	0.840	0.122	12.157	3.073
165	0.853	0.127	12.731	3.633
166	0.874	0.159	12.831	4.505
167	0.903	0.186	12.892	4.952
168	0.910	0.189	12.932	5.254
169	0.914	0.200	13.702	5.730
170	0.916	0.220	14.139	6.051
171	0.919	0.236	14.964	6.333
172	0.931	0.247	15.704	6.490
173	0.948	0.257	16.253	6.796
174	0.983	0.267	16.907	7.205
175	1.018	0.283	17.655	8.151
176	1.027	0.295	18.020	8.230
177	1.035	0.312	18.349	8.584
178	1.051	0.318	18.671	8.800
179	1.074	0.323	18.972	8.847
180	1.084	0.337	19.228	8.913
181	1.099	0.345	20.123	9.122
182	1.121	0.350	20.405	9.532
183	1.132	0.359	20.754	10.256
184	1.152	0.387	21.684	10.862
185	1.161	0.398	21.955	10.996

186	1.168	0.400	22.650	11.206
187	1.175	0.402	22.989	11.514
188	1.181	0.405	23.535	11.894
189	1.188	0.418	23.876	12.019
190	1.203	0.429	24.018	12.170
191	1.219	0.442	24.464	12.517
192	1.233	0.457	24.685	12.598
193	1.251	0.473	24.931	12.625
194	1.255	0.487	25.188	12.653
195	1.258	0.501	25.468	12.777
196	1.265	0.510	25.627	12.906
197	1.280	0.512	25.746	12.989
198	1.293	0.514	25.850	13.060
199	1.301	0.516	25.974	13.165
200	1.313	0.518	26.141	13.242
201	1.324	0.527	26.225	13.412
202	1.332	0.540	26.338	13.662
203	1.341	0.547	26.547	13.773
204	1.357	0.553	26.818	13.942
205	1.375	0.559	27.052	14.090
206	1.392	0.563	27.393	14.224
207	1.408	0.567	27.501	14.426
208	1.422	0.571	27.632	14.498
209	1.433	0.575	27.803	14.776
210	1.443	0.579	27.953	14.907
211	1.453	0.595	28.205	14.916
212	1.463	0.605	28.543	15.014
213	1.468	0.614	28.997	15.221
214	1.470	0.622	29.000	15.472
215	1.474	0.627	29.005	15.555
216	1.478	0.638	29.081	15.652
217	1.481	0.643	29.281	15.969
218	1.484	0.643	29.483	16.028
219	1.487	0.645	29.734	16.375
220	1.490	0.651	29.803	16.487
221	1.493	0.655	29.821	16.524
222	1.504	0.663	29.847	16.578
223	1.522	0.671	29.862	16.684
224	1.547	0.675	29.873	16.755
225	1.549	0.684	30.008	16.770
226	1.562	0.694	30.126	16.805
227	1.574	0.701	30.127	16.865
228	1.579	0.702	30.127	16.960
229	1.584	0.708	30.208	16.960
230	1.589	0.708	30.314	16.962
231	1.590	0.709	30.323	16.988
232	1.596	0.710	30.325	17.072
233	1.598	0.710	30.368	17.094
234	1.604	0.711	30.411	17.184
235	1.610	0.712	30.416	17.187
236	1.612	0.712	30.428	17.188
237	1.613	0.712	30.430	17.189
238	1.614	0.713	30.452	17.241
239	1.615	0.716	30.488	17.370

- b) Vehicles having composite hydrocarbon emission limitations of at least 1.25 grams per mile but less than 2.00 grams per mile, in Section 240.TABLE A or Section 240.TABLE B, shall use the hydrocarbon fast-pass standards contained in this subpart. Vehicles having and composite carbon monoxide emission limitations of at least 20.0 grams per mile but less than 30.0 grams per mile, in Section 240.TABLE A or Section 240.TABLE B, shall use the carbon monoxide fast-pass standards contained in this subpart.

Second	Hydrocarbons		Carbon Monoxide	
	Composite	Phase 2	Composite	Phase 2
30	0.247	N/A	1.502	N/A
31	0.253	N/A	1.546	N/A
32	0.258	N/A	1.568	N/A
33	0.263	N/A	1.582	N/A
34	0.268	N/A	1.593	N/A
35	0.277	N/A	1.602	N/A
36	0.283	N/A	1.621	N/A
37	0.293	N/A	1.631	N/A
38	0.297	N/A	1.702	N/A
39	0.298	N/A	1.784	N/A
40	0.313	N/A	1.879	N/A
41	0.320	N/A	2.162	N/A
42	0.327	N/A	2.307	N/A
43	0.342	N/A	2.343	N/A
44	0.360	N/A	2.376	N/A
45	0.376	N/A	2.406	N/A
46	0.389	N/A	2.433	N/A
47	0.408	N/A	2.458	N/A
48	0.423	N/A	2.483	N/A
49	0.434	N/A	2.774	N/A
50	0.444	N/A	2.844	N/A
51	0.454	N/A	2.900	N/A
52	0.465	N/A	2.936	N/A
53	0.472	N/A	3.133	N/A
54	0.478	N/A	3.304	N/A
55	0.485	N/A	3.407	N/A
56	0.493	N/A	3.456	N/A
57	0.500	N/A	3.480	N/A
58	0.505	N/A	3.518	N/A
59	0.514	N/A	3.560	N/A
60	0.537	N/A	3.593	N/A
61	0.540	N/A	3.628	N/A
62	0.543	N/A	3.641	N/A
63	0.546	N/A	3.655	N/A
64	0.551	N/A	3.680	N/A
65	0.559	N/A	3.700	N/A
66	0.567	N/A	3.728	N/A
67	0.575	N/A	3.857	N/A
68	0.588	N/A	3.894	N/A
69	0.595	N/A	3.943	N/A
70	0.601	N/A	3.983	N/A
71	0.606	N/A	4.009	N/A
72	0.610	N/A	4.023	N/A
73	0.617	N/A	4.023	N/A
74	0.631	N/A	4.053	N/A

75	0.643	N/A	4.063	N/A
76	0.651	N/A	4.077	N/A
77	0.659	N/A	4.225	N/A
78	0.667	N/A	4.243	N/A
79	0.676	N/A	4.260	N/A
80	0.681	N/A	4.282	N/A
81	0.685	N/A	4.322	N/A
82	0.689	N/A	4.398	N/A
83	0.694	N/A	4.482	N/A
84	0.700	N/A	4.515	N/A
85	0.705	N/A	4.518	N/A
86	0.709	N/A	4.520	N/A
87	0.713	N/A	4.522	N/A
88	0.717	N/A	4.522	N/A
89	0.721	N/A	4.523	N/A
90	0.724	N/A	4.526	N/A
91	0.727	N/A	4.527	N/A
92	0.729	N/A	4.527	N/A
93	0.731	N/A	4.528	N/A
94	0.734	N/A	4.528	N/A
95	0.740	N/A	4.528	N/A
96	0.748	N/A	4.529	N/A
97	0.759	N/A	4.575	N/A
98	0.771	N/A	4.703	N/A
99	0.783	N/A	4.805	N/A
100	0.793	N/A	4.886	N/A
101	0.810	N/A	4.957	N/A
102	0.823	N/A	5.104	N/A
103	0.836	N/A	5.340	N/A
104	0.853	N/A	5.496	N/A
105	0.871	N/A	5.625	N/A
106	0.887	N/A	5.815	N/A
107	0.899	N/A	6.473	N/A
108	0.931	N/A	7.037	N/A
109	0.947	0.040	7.419	0.246
110	0.957	0.047	7.643	0.257
111	0.965	0.052	7.759	0.286
112	0.971	0.056	7.824	0.379
113	0.977	0.061	7.889	0.425
114	0.983	0.064	7.960	0.457
115	1.003	0.072	8.024	0.477
116	1.030	0.081	8.076	0.494
117	1.041	0.082	8.111	0.504
118	1.050	0.083	8.130	0.512
119	1.052	0.092	8.148	0.519
120	1.055	0.094	8.211	0.529
121	1.061	0.097	8.478	0.529
122	1.071	0.100	8.548	0.530
123	1.081	0.103	8.561	0.531
124	1.091	0.106	8.568	0.532
125	1.102	0.108	8.572	0.533
126	1.110	0.110	8.584	0.548
127	1.116	0.112	8.592	0.610
128	1.121	0.114	8.596	0.614

129	1.125	0.116	8.597	0.622
130	1.128	0.118	8.601	0.631
131	1.130	0.120	8.605	0.640
132	1.132	0.122	8.608	0.646
133	1.134	0.123	8.626	0.650
134	1.135	0.124	8.650	0.652
135	1.143	0.127	8.660	0.738
136	1.147	0.130	8.767	0.754
137	1.156	0.134	9.029	0.780
138	1.163	0.139	9.238	0.795
139	1.186	0.146	9.389	0.804
140	1.253	0.149	9.493	0.810
141	1.262	0.151	9.583	0.815
142	1.271	0.153	9.626	0.818
143	1.277	0.155	9.669	0.821
144	1.283	0.157	9.716	0.825
145	1.291	0.162	9.763	0.840
146	1.294	0.164	9.809	0.847
147	1.296	0.166	9.852	0.855
148	1.298	0.168	9.885	0.865
149	1.303	0.169	9.932	0.874
150	1.316	0.170	9.986	0.891
151	1.330	0.171	10.039	0.914
152	1.342	0.172	10.072	0.929
153	1.348	0.173	10.090	0.937
154	1.353	0.175	10.105	0.942
155	1.362	0.178	10.146	0.949
156	1.365	0.180	10.245	1.375
157	1.366	0.189	10.397	1.576
158	1.373	0.198	10.923	1.943
159	1.397	0.203	11.970	2.820
160	1.422	0.207	13.421	3.281
161	1.440	0.214	15.289	3.483
162	1.452	0.221	15.912	3.620
163	1.465	0.229	16.530	4.168
164	1.509	0.247	17.622	4.338
165	1.533	0.274	18.366	4.682
166	1.555	0.309	19.869	5.633
167	1.576	0.318	20.711	6.137
168	1.598	0.322	22.319	6.853
169	1.618	0.333	23.751	7.136
170	1.636	0.343	24.842	7.320
171	1.666	0.356	25.410	7.685
172	1.685	0.385	25.798	8.052
173	1.726	0.409	26.122	8.344
174	1.742	0.433	26.353	8.602
175	1.756	0.453	26.638	8.898
176	1.769	0.463	27.219	9.251
177	1.784	0.507	27.279	10.253
178	1.802	0.523	27.320	10.828
179	1.822	0.528	27.352	10.933
180	1.843	0.541	27.822	11.060
181	1.864	0.549	28.763	11.188
182	1.884	0.559	29.402	11.345

183	1.896	0.571	29.971	11.733
184	1.915	0.584	30.276	12.598
185	1.940	0.598	30.988	12.953
186	1.958	0.613	31.095	13.213
187	1.972	0.624	31.314	14.131
188	1.985	0.629	31.833	14.839
189	1.991	0.629	32.239	15.137
190	1.993	0.638	32.547	15.138
191	1.995	0.648	32.855	15.141
192	2.001	0.659	33.153	15.595
193	2.015	0.663	33.444	15.658
194	2.031	0.671	33.482	15.704
195	2.047	0.681	33.516	15.729
196	2.063	0.693	33.549	16.058
197	2.079	0.709	33.653	16.987
198	2.094	0.725	33.973	17.064
199	2.109	0.740	34.159	17.073
200	2.122	0.754	34.191	17.153
201	2.130	0.767	34.250	17.332
202	2.137	0.775	34.469	17.406
203	2.157	0.787	34.716	17.641
204	2.172	0.795	34.969	17.922
205	2.194	0.803	35.144	18.484
206	2.222	0.854	35.418	18.553
207	2.245	0.859	35.766	18.658
208	2.268	0.872	35.949	18.953
209	2.279	0.892	36.010	19.266
210	2.288	0.896	36.548	19.309
211	2.301	0.903	37.179	19.731
212	2.316	0.924	37.651	19.902
213	2.332	0.938	38.041	20.012
214	2.345	0.941	38.591	20.260
215	2.354	0.951	38.852	20.739
216	2.362	0.966	38.861	21.346
217	2.368	0.979	38.926	21.810
218	2.376	0.980	39.194	22.001
219	2.384	0.981	39.474	22.290
220	2.391	1.005	39.668	22.324
221	2.395	1.016	39.781	22.343
222	2.400	1.022	39.890	22.522
223	2.405	1.028	39.954	22.661
224	2.409	1.035	39.984	22.666
225	2.413	1.041	39.989	22.667
226	2.415	1.045	39.990	22.668
227	2.417	1.051	39.990	22.669
228	2.419	1.055	39.990	22.670
229	2.420	1.059	39.991	22.671
230	2.421	1.062	40.012	22.671
231	2.423	1.063	40.061	22.672
232	2.425	1.063	40.116	22.673
233	2.427	1.063	40.249	22.673
234	2.429	1.064	40.253	22.673
235	2.430	1.064	40.290	22.674
236	2.431	1.066	40.385	22.675

237	2.432	1.069	40.488	22.675
238	2.433	1.072	40.720	22.675
239	2.434	1.075	40.763	22.677

- c) Vehicles having composite hydrocarbon emission limitations of 2.00 grams per mile or greater, in Section 240.TABLE A or Section 240.TABLE B, shall use the hydrocarbon fast-pass standards contained in this subpart. Vehicles having ~~and~~ composite carbon monoxide emission limitations of 30.0 grams per mile or greater, in Section 240.TABLE A or Section 240.TABLE B, shall use the carbon monoxide fast-pass standards contained in this subpart.

Second	Hydrocarbons		Carbon Monoxide	
	Composite	Phase 2	Composite	Phase 2
30	0.407	N/A	3.804	N/A
31	0.415	N/A	3.985	N/A
32	0.423	N/A	4.215	N/A
33	0.436	N/A	4.440	N/A
34	0.451	N/A	4.579	N/A
35	0.464	N/A	4.688	N/A
36	0.468	N/A	4.749	N/A
37	0.475	N/A	4.783	N/A
38	0.487	N/A	4.813	N/A
39	0.506	N/A	4.876	N/A
40	0.530	N/A	5.104	N/A
41	0.549	N/A	5.217	N/A
42	0.569	N/A	5.383	N/A
43	0.588	N/A	5.571	N/A
44	0.609	N/A	5.888	N/A
45	0.621	N/A	6.199	N/A
46	0.636	N/A	6.245	N/A
47	0.649	N/A	6.318	N/A
48	0.666	N/A	6.418	N/A
49	0.679	N/A	6.540	N/A
50	0.696	N/A	6.690	N/A
51	0.712	N/A	6.875	N/A
52	0.727	N/A	7.029	N/A
53	0.745	N/A	7.129	N/A
54	0.760	N/A	7.359	N/A
55	0.776	N/A	7.722	N/A
56	0.797	N/A	8.017	N/A
57	0.814	N/A	8.249	N/A
58	0.826	N/A	8.425	N/A
59	0.837	N/A	8.563	N/A
60	0.849	N/A	8.686	N/A
61	0.862	N/A	8.804	N/A
62	0.872	N/A	8.916	N/A
63	0.887	N/A	9.025	N/A
64	0.895	N/A	9.138	N/A
65	0.903	N/A	9.250	N/A
66	0.925	N/A	9.354	N/A
67	0.933	N/A	9.457	N/A
68	0.945	N/A	9.575	N/A
69	0.959	N/A	9.728	N/A
70	0.970	N/A	9.938	N/A
71	0.980	N/A	10.140	N/A
72	0.988	N/A	10.222	N/A

73	0.997	N/A	10.261	N/A
74	1.022	N/A	10.278	N/A
75	1.037	N/A	10.290	N/A
76	1.051	N/A	10.715	N/A
77	1.064	N/A	10.790	N/A
78	1.075	N/A	10.844	N/A
79	1.087	N/A	10.921	N/A
80	1.097	N/A	11.010	N/A
81	1.105	N/A	11.090	N/A
82	1.114	N/A	11.136	N/A
83	1.136	N/A	11.136	N/A
84	1.160	N/A	11.165	N/A
85	1.182	N/A	11.191	N/A
86	1.201	N/A	11.205	N/A
87	1.217	N/A	11.211	N/A
88	1.233	N/A	11.211	N/A
89	1.248	N/A	11.211	N/A
90	1.262	N/A	11.211	N/A
91	1.271	N/A	11.220	N/A
92	1.279	N/A	11.294	N/A
93	1.287	N/A	11.332	N/A
94	1.295	N/A	11.355	N/A
95	1.302	N/A	11.383	N/A
96	1.309	N/A	11.410	N/A
97	1.316	N/A	11.433	N/A
98	1.325	N/A	11.516	N/A
99	1.339	N/A	11.820	N/A
100	1.356	N/A	12.104	N/A
101	1.365	N/A	12.344	N/A
102	1.378	N/A	12.781	N/A
103	1.397	N/A	13.472	N/A
104	1.420	N/A	14.405	N/A
105	1.445	N/A	14.808	N/A
106	1.470	N/A	14.965	N/A
107	1.491	N/A	15.121	N/A
108	1.506	N/A	15.372	N/A
109	1.517	0.151	15.530	1.113
110	1.528	0.159	15.687	1.213
111	1.542	0.172	16.018	1.344
112	1.559	0.186	16.527	1.399
113	1.578	0.199	16.810	1.520
114	1.594	0.207	16.961	1.640
115	1.605	0.216	17.120	1.684
116	1.615	0.229	17.135	1.693
117	1.625	0.235	17.249	1.786
118	1.642	0.240	17.451	2.007
119	1.670	0.245	17.509	2.084
120	1.694	0.261	17.605	2.179
121	1.705	0.267	17.734	2.264
122	1.717	0.277	18.049	2.328
123	1.732	0.287	18.447	2.375
124	1.747	0.298	18.592	2.437
125	1.763	0.308	18.657	2.543
126	1.779	0.316	18.796	2.593

127	1.795	0.322	18.952	2.641
128	1.810	0.329	19.137	2.663
129	1.823	0.338	19.329	2.672
130	1.835	0.346	19.519	2.676
131	1.845	0.354	19.707	2.683
132	1.854	0.356	19.882	2.817
133	1.862	0.357	19.905	2.992
134	1.870	0.359	20.049	3.111
135	1.883	0.362	20.460	3.234
136	1.888	0.364	20.746	3.304
137	1.896	0.368	21.068	3.310
138	1.911	0.378	21.380	3.320
139	1.928	0.391	21.748	3.354
140	1.949	0.402	22.046	3.436
141	1.969	0.408	22.348	3.443
142	1.982	0.422	22.397	3.452
143	1.999	0.428	22.407	3.490
144	2.011	0.432	22.417	3.552
145	2.022	0.434	22.922	3.588
146	2.035	0.439	22.951	3.600
147	2.043	0.450	22.976	3.616
148	2.049	0.460	23.017	3.627
149	2.063	0.467	23.073	3.636
150	2.085	0.472	23.161	3.676
151	2.104	0.480	23.218	3.882
152	2.117	0.491	23.253	4.011
153	2.127	0.503	23.337	4.047
154	2.138	0.505	23.425	4.067
155	2.152	0.515	23.534	4.081
156	2.168	0.522	23.652	4.116
157	2.186	0.527	23.739	4.251
158	2.205	0.537	24.606	5.099
159	2.224	0.549	25.615	5.383
160	2.242	0.568	26.073	6.362
161	2.268	0.586	28.496	7.926
162	2.308	0.610	29.772	8.429
163	2.352	0.648	31.056	9.201
164	2.406	0.677	33.351	10.825
165	2.421	0.699	34.890	12.291
166	2.435	0.720	35.937	13.366
167	2.470	0.738	37.012	14.428
168	2.501	0.767	37.892	15.318
169	2.537	0.828	39.028	15.699
170	2.571	0.855	40.406	16.073
171	2.625	0.869	41.379	16.475
172	2.657	0.885	42.033	17.158
173	2.683	0.900	42.432	17.532
174	2.701	0.941	42.742	17.965
175	2.717	0.979	43.399	18.242
176	2.732	1.002	43.895	18.283
177	2.756	1.025	44.227	18.480
178	2.781	1.047	44.926	19.576
179	2.811	1.065	45.256	20.015
180	2.853	1.089	45.553	20.203

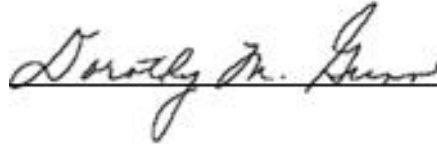
181	2.898	1.109	45.753	20.433
182	2.946	1.133	46.210	21.025
183	2.988	1.158	47.017	21.882
184	3.023	1.184	48.185	22.204
185	3.057	1.209	48.741	22.859
186	3.076	1.222	49.462	23.533
187	3.101	1.231	50.313	24.281
188	3.120	1.239	51.285	25.078
189	3.136	1.254	52.076	25.276
190	3.151	1.278	52.857	25.578
191	3.163	1.300	52.876	25.859
192	3.209	1.313	53.067	25.985
193	3.223	1.324	53.777	26.153
194	3.237	1.340	54.242	26.582
195	3.263	1.367	54.489	27.067
196	3.302	1.387	54.601	27.456
197	3.338	1.402	54.912	27.805
198	3.372	1.417	55.588	28.070
199	3.390	1.432	56.266	28.590
200	3.428	1.446	56.617	28.914
201	3.470	1.460	56.863	29.063
202	3.493	1.477	57.204	29.502
203	3.509	1.492	57.371	29.697
204	3.522	1.501	57.487	29.713
205	3.533	1.510	57.728	29.783
206	3.550	1.522	58.097	29.942
207	3.578	1.561	58.572	30.284
208	3.607	1.585	59.024	30.755
209	3.630	1.597	59.321	31.287
210	3.658	1.607	59.715	31.549
211	3.701	1.627	60.045	31.820
212	3.745	1.645	60.453	32.250
213	3.778	1.656	60.935	32.546
214	3.814	1.663	61.307	32.808
215	3.825	1.669	61.666	33.060
216	3.835	1.674	62.148	33.204
217	3.844	1.685	62.532	33.341
218	3.853	1.700	62.546	33.414
219	3.864	1.704	62.559	33.514
220	3.874	1.706	62.570	33.640
221	3.891	1.709	62.846	33.692
222	3.928	1.711	63.097	33.711
223	3.966	1.714	63.150	33.733
224	4.008	1.718	63.150	33.770
225	4.010	1.721	63.150	33.796
226	4.012	1.723	63.150	33.810
227	4.016	1.726	63.150	33.821
228	4.019	1.729	63.150	33.839
229	4.057	1.731	63.150	33.865
230	4.065	1.733	63.150	33.894
231	4.071	1.735	63.150	33.918
232	4.073	1.743	63.150	33.944
233	4.075	1.749	63.150	33.985
234	4.077	1.753	63.153	34.014

235	4.079	1.757	63.159	34.032
236	4.081	1.762	63.173	34.051
237	4.083	1.767	63.193	34.067
238	4.084	1.772	63.214	34.079
239	4.085	1.776	63.233	34.085

(Source: Amended at ___ Ill. Reg. _____, effective _____)

IT IS SO ORDERED.

I, Dorothy M. Gunn, Clerk of the Illinois Pollution Control Board, hereby certify that the above opinion and order was adopted on the 24th day of August 2000 by a vote of 7-0.



Dorothy M. Gunn, Clerk
Illinois Pollution Control Board