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 3803
OF

NAME OF AGENCY
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Concerning

SUBJECT MATTER OF REGULATION
Abatement of Air Pollution

SECTION 1

Subsection (a) of section 22a-174-20 of the Regulations of Connecticut State Agencies is amended to read as follows:

(a) Storage of "volatile organic compounds" AND RESTRICTIONS FOR THE REID VAPOR PRESSURE OF GASOLINE.

(a)(1) Definitions. For the purpose of this section:

"Approved control system" means, a vapor balance system or a vapor recovery system.

"Delivery vehicle" means a tank truck, tank-equipped trailer, railroad tank car, or other "mobile source" equipped with a storage "tank" used for the transportation of gasoline from "sources" of supply to ANY stationary storage [tanks] "TANK".

"Dispensing facility" means any site where gasoline is delivered to motor vehicles other than agricultural vehicles from any stationary storage "tank" with a capacity of 250 gallons or more.

"Gasoline" means any petroleum distillate having a reid vapor pressure of four pounds or greater and used as a motor vehicle fuel.

"GASOLINE STORAGE TANK FARM" MEANS A "PREMISE" WITH ANY INDIVIDUAL "GASOLINE" STORAGE "TANK" WITH A CAPACITY EQUAL TO OR GREATER THAN FORTY THOUSAND (40,000) GALLONS.

"REID VAPOR PRESSURE" OR "RVP" MEANS THE VAPOR PRESSURE OF A LIQUID IN POUNDS PER SQUARE INCH ABSOLUTE AT ONE HUNDRED (100) DEGREES FAHRENHEIT AS DETERMINED BY AMERICAN SOCIETY FOR TESTING AND MATERIALS METHOD D323-82 "STANDARD METHOD FOR VAPOR PRESSURE OF PETROLEUM PRODUCTS (REID METHOD)".

"Throughput" means the number of gallons delivered through all equipment at a dispensing facility or a loading facility over a specified time interval.

"Vapor balance system" means a combination of pipes or hoses which create a closed connection between the vapor spaces of an unloading "tank" and receiving "tank" such that vapors displaced from the receiving "tank" are transferred to the "tank" being unloaded. The complete system as a whole and not just the individual components shall have been tested and approved by a nationally recognized testing laboratory.

"Vapor recovery system" means a device or system of devices with attendant valves, fittings, piping, and other appurtenances incorporating a means for the incineration of vapors or the liquefaction of vapors by absorption, adsorption, condensation or other means. The complete system as a whole and not just the individual components shall have been tested and approved by a nationally recognized testing laboratory.

SECTION 1

(a)(2) No "person" shall place, store or hold in any stationary "tank", reservoir or other container of more than 40,000 gallons (150,000 liters) capacity any "volatile organic compound" with a vapor pressure of 1.5 pounds per square inch absolute or greater under actual storage conditions unless the "tank", reservoir or other container is a pressure "tank" capable of maintaining working pressures sufficient at all times to prevent vapor or gas loss to the atmosphere or is designed, and equipped, with one of the following vapor loss control devices:

(A) A fixed roof and a floating roof, consisting of a pontoon type, double deck type roof or internal floating cover, which will rest on the surface of the liquid contents and be equipped with a closure seal or seals to close the space between the roof edge and "tank" wall. This control equipment is not permitted if the "volatile organic compound" has a vapor pressure of 11.0 pounds per square inch absolute (568 mm. Hg), or greater under actual storage conditions. All "tank" gauging or sampling devices must be gas-tight except when "tank" gauging or sampling is taking place.

(B) A vapor recovery system.

(C) Other equipment or means of equal efficiency for purposes of "air pollution" control as may be approved by the "Commissioner" BY PERMIT OR ORDER.

(D) On or after June 1, 1985 a floating roof, consisting of a pontoon type, double deck type roof or external floating cover, which will rest on the surface of the liquid contents and be equipped with primary and secondary closure seals to close the space between the roof edge and the tank wall. This control equipment is not permitted if the volatile organic compound has a vapor pressure of 11.0 pounds per square inch absolute (568 mm. Hg), or greater under actual storage conditions. All tank gauging or sampling devices must be gas-tight except when tank gauging or sampling is taking place. The owner or operator of any tank subject to this provision shall ensure that:

(i) There are no visible holes, tears or other openings in any seal fabric;

(ii) Any seal is intact and uniformly in place around the circumference of the floating roof between the floating roof and the tank wall;

(iii) The total area of gaps exceeding 0.125 inches in width between the secondary closure seal and the tank wall does not exceed 1.0 square inch per foot of tank diameter;

(iv) A secondary closure seal gap measurement as specified in (iii) above is made annually;

(v) A visual inspection of the secondary closure seal is conducted semi-annually;

(vi) Rim vents are set to open when the roof is on the roof leg supports; and

(vii) Any emergency roof drain is provided with a slotted fabric cover which covers at least ninety percent (90%) of the area opening.

(a)(3) No "person" shall place, store, or hold in any stationary storage vessel of more than 250-gallon (950 liter) capacity any "volatile organic compound" with a vapor pressure of 1.5 pounds per square inch or greater under actual storage conditions unless such vessel is equipped with a permanent "submerged fill pipe" or is a pressure "tank" as described in subsection [(a)(1)] 22a-174-20(a)(2).

(a)(4) The provisions of subdivision [(a)(3)] 22a-174-20(a)(3) shall not apply to the loading of "volatile organic compounds" into any storage vessel having a capacity of less than one-thousand (1,000) gallons which was installed prior to June 1, 1972, nor to any underground storage vessel installed prior to June 1, 1972, where the fill pipe between the fill connection and the storage vessel is an "offset fill pipe".

(a)(5) BETWEEN MAY 1 AND SEPTEMBER 15 THE OWNER OR "OPERATOR" OF ANY "GASOLINE STORAGE TANK FARM" SHALL NOT OFFER FOR SALE, SELL OR DELIVER TO ANY "DISPENSING FACILITY" IN CONNECTICUT "GASOLINE" WITH A "REID VAPOR PRESSURE" IN EXCESS OF 9.0 POUNDS PER SQUARE INCH.

(a)(6) IN ADDITION TO THE REQUIREMENTS OF SECTION 22a-174-4, THE "COMMISSIONER" MAY BY PERMIT OR ORDER REQUIRE THE OWNER OR "OPERATOR" OF ANY "GASOLINE STORAGE TANK FARM" TO PROVIDE RECORDS OF THE ANALYSIS OF "GASOLINE" SAMPLES TO DETERMINE COMPLIANCE WITH THE PROVISIONS OF SUBDIVISION 22a-174-20(a)(5).

(a)(7) ANY "PERSON" WHO SAMPLES OR TESTS "GASOLINE" FOR THE PURPOSES OF DETERMINING COMPLIANCE WITH SUBDIVISION 22a-174-20(a)(5) SHALL USE THE FOLLOWING AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM) TEST METHODS:

(A) ASTM METHOD D323-82, "STANDARD METHOD FOR VAPOR PRESSURE OF PETROLEUM PRODUCTS (REID METHOD)";

(B) ASTM METHOD D4057-81, "STANDARD PRACTICE FOR MANUAL SAMPLING OF PETROLEUM AND PETROLEUM PRODUCTS"; OR

(C) ASTM METHOD D270 "STANDARD METHOD OF SAMPLING OF PETROLEUM AND PETROLEUM PRODUCTS".

STATEMENT OF PURPOSE: To adopt controls on the vapor pressure of gasoline during warm weather to reduce evaporative losses from motor vehicles.

CERTIFICATION
R-39 (REV. 1/77)

Be it known that the foregoing:

[X] Regulations [ ] Emergency Regulations

Are:

[ ] Adopted [X] Amended as hereinabove stated [ ] Repealed

By the aforesaid agency pursuant to:

[X] 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 May 31, 19 88, of the notice of the proposal to:

[ ] Adopt [X] Amend [ ] Repeal such regulations

(If applicable): [X] And the holding of an advertised public hearing on 30th day of June 19 88

WHEREFORE, the foregoing regulations are hereby:

[ ] Adopted [X] Amended as hereinabove stated [ ] Repealed

Effective:

[X] When filed with the Secretary of the State.

(OR)

[ ] The _____ day of _____ 19____.

In Witness Whereof:	DATE 10/7/88	SIGNED *(Head of Board, Agency or Commission)* [signature]	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 [signature]	OFFICIAL TITLE, DULY AUTHORIZED Dep Atty Gen

OCT. 1 8 1988

[X] 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 Statutes.	DATE 12/20/88	SIGNED *(Clerk of the Legislative Regulation Review Committee)* [signature]

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 December 30, 1988	SIGNED *(Secretary of the State.)* [signature]	BY [signature]

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 Statutes.

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 4-170 of the General Statutes.

RECEIVED
DEC 30 1988
ADMIN. DIV. SEC'Y. OF STATE