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

4476 ORIGINAL

NAME OF AGENCY
Department of Environmental Protection

Concerning

SUBJECT MATTER OF REGULATION
Abatement of Air Pollution - Printing Operations

SECTION 1

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

22a-174-20(v) Graphic arts rotogravures and flexography

(1) For the purpose of this subsection:

"Flexographic Printing" means the application of words, designs or pictures to a substrate by means of a roll printing technique in which the pattern to be applied is raised above the printing roll and the image carrier is made of rubber or other elastomeric materials[;].

"Packaging rotogravure printing" means rotogravure printing upon paper, paperboard, metal foil, plastic film, or other substrates, which are, in subsequent operations, formed into packaging products or labels for articles to be sold.

"Publication rotogravure printing" means rotogravure printing upon paper which is subsequently formed into books, magazines, catalogues, brochures, directories, newspaper supplements, or other types of printed materials[;].

"Roll printing" means the application of words, designs or pictures to a substrate usually by means of a series of hard rubber or steel rolls each with only partial coverage.

"Rotogravure printing" means the application of words, designs or pictures to a substrate by means of a roll printing technique which involves intaglio or recessed image areas in the form of cells or indentations.

(2) The owner or ["]operator["] of a packaging rotogravure, publication rotogravure or flexographic printing facility subject to this regulation and employing solvent containing ink shall not cause, or permit the discharge into the atmosphere, of any volatile organic compounds unless;

(A) The volatile fraction of each ink, as it is applied to the substrate, contains 25.0 percent by volume or less of volatile organic compounds and 75.0 percent by volume or more of water and exempt volatile organic compounds listed on Table 1(a)-1 in Section 22a-174-1; or

(B) Each ink as it is applied to the substrate, less water and exempt volatile organic compounds listed on Table 1(a)-1 in section 22a-174-1, contains 60.0 percent by volume or more nonvolatile material; or,

(C) The owner or ["]operator["] installs and operates;

(i) A carbon adsorption system which reduces the volatile organic ["]emissions["] from the capture system by at least 90.0 percent by weight over the adsorption cycle or 24 hours whichever is shorter; or

(ii) An incineration system provided that 90.0 percent of the nonmethane ["]volatile organic compounds["] (measured as total combustible carbon) which enter the ["]incinerator["] per hour are oxidized to carbon dioxide and water; or,

(iii) A system demonstrated to have control efficiency equivalent to or greater than the above required 90 percent and approved by the ["]Commissioner["] by permit or order.

(3) A capture system SHALL [must] be used in conjunction with the ["]emission["] control systems in subparagraph 22a-174-20(v)(2)(C). The design and operation of a capture system SHALL [must] be consistent with good engineering practice, and shall [be required to] provide for an overall reduction in ["]volatile organic compound["] ["]emissions["] per hour from each printing press of at least:

(A) 75.0 percent where a publication rotogravure process is employed;

(B) 65.0 percent where a packaging rotogravure process is employed; or,

(C) 60.0 percent where a flexographic printing process is employed.

(4) The provisions of this subsection apply to any printing line which has actual emissions of forty (40) pounds per day or more in any one day or to a [premise] PREMISES which has potential emissions [of one hundred tons per year or more] from all printing operations[.] OF FIFTY (50) TONS OR MORE PER CALENDAR YEAR IN AN AREA DESIGNATED AS A SERIOUS NONATTAINMENT AREA FOR OZONE OR TWENTY-FIVE (25) TONS OR MORE PER CALENDAR YEAR IN AN AREA DESIGNATED AS A SEVERE NONATTAINMENT AREA FOR OZONE. [After October 1, 1989]. ANY printing line which is or becomes subject to the provisions of this subsection shall remain subject to the provisions of this subsection regardless of the daily actual emissions.

Notwithstanding the above, the owner or ["]operator["] of any piece of equipment that was not required to meet control requirements by this subsection prior to [October 1, 1989,] NOVEMBER 15, 1992 shall [have until October 1, 1990, to] comply with the control requirements of this subsection for that piece of equipment[.] NO LATER THAN MAY 31, 1995.

(5) IN LIEU OF REQUIRING AN OWNER OR OPERATOR TO IMPLEMENT REASONABLY AVAILABLE CONTROL TECHNOLOGY PURSUANT TO SUBSECTION (V) OF THIS SECTION, THE COMMISSIONER MAY, BY PERMIT OR ORDER, LIMIT POTENTIAL EMISSIONS OF VOLATILE ORGANIC COMPOUNDS TO: (A) LESS THAN FIFTY (50) TONS PER CALENDAR YEAR IN A SERIOUS NONATTAINMENT AREA FOR OZONE; OR (B) LESS THAN TWENTY-FIVE (25) TONS PER CALENDAR YEAR IN A SEVERE NONATTAINMENT AREA FOR OZONE. THE COMMISSIONER MAY ALSO LIMIT IN SUCH PERMIT OR ORDER ACTUAL

EMISSIONS OF VOLATILE ORGANIC COMPOUNDS FROM ANY PRINTING LINE AT SUCH PREMISES TO LESS THAN FORTY (40) POUNDS PER DAY.

(6) THE COMMISSIONER SHALL NOT ISSUE AN ORDER OR PERMIT LIMITING EMISSIONS OF VOLATILE ORGANIC COMPOUNDS AS PROVIDED IN SUBDIVISION (V)(5) UNLESS THE OWNER OR OPERATOR DEMONSTRATES, IN WRITING, THAT ACTUAL EMISSIONS OF VOLATILE ORGANIC COMPOUNDS, IN EACH CALENDAR YEAR AFTER DECEMBER 31, 1989, DID NOT EXCEED: FIFTY (50) TONS PER CALENDAR YEAR IN A SERIOUS NONATTAINMENT AREA FOR OZONE; OR (B) TWENTY-FIVE (25) TONS PER CALENDAR YEAR IN A SEVERE NONATTAINMENT AREA FOR OZONE.

(7) TO DEMONSTRATE THAT ACTUAL VOLATILE ORGANIC COMPOUND EMISSIONS DID NOT EXCEED THE EMISSION LIMITATIONS DESCRIBED IN SUBDIVISION (V)(6) OF THIS SECTION, SUCH OWNER OR OPERATOR SHALL SUBMIT TO THE COMMISSIONER WRITTEN DOCUMENTATION OF THE ACTUAL EMISSIONS OF VOLATILE ORGANIC COMPOUNDS FROM ALL PRINTING OPERATIONS AT SUCH PREMISES FOR EVERY CALENDER YEAR, OR PORTION THEREOF, FROM DECEMBER 31, 1989 THROUGH THE CALENDAR YEAR IN WHICH SUCH INFORMATION IS SUBMITTED. SUCH OWNER OR OPERATOR SHALL ALSO SUBMIT TO THE COMMISSIONER THE INFORMATION SPECIFIED IN SUBSECTION (20)(aa) OF THIS SECTION FOR EVERY CALENDER YEAR, OR PORTION THEREOF, FROM DECEMBER 31, 1989 THROUGH THE CALENDAR YEAR IN WHICH SUCH INFORMATION IS SUBMITTED. THE OWNER OR OPERATOR SHALL ALSO INCLUDE THE FOLLOWING CERTIFICATION WITH SUCH INFORMATION:

"I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED IN THIS DOCUMENT AND ALL ATTACHMENTS MADE TO IT. I CERTIFY THAT BASED UPON MY REASONABLE INVESTIGATION, INCLUDING MY INQUIRY OF THOSE INDIVIDUALS RESPONSIBLE FOR OBTAINING THE INFORMATION CONTAINED IN THIS DOCUMENT, THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I UNDERSTAND THAT ANY FALSE STATEMENTS MADE IN THIS DOCUMENT OR IN ITS ATTACHMENTS MAY BE PUNISHABLE AS A CRIMINAL OFFENSE AS PROVIDED FOR IN SECTION 53a-157 OF THE CONNECTICUT GENERAL STATUTES. I FURTHER UNDERSTAND THAT ANY FALSE STATEMENTS MADE IN THIS DOCUMENT OR IN ITS ATTACHMENTS MAY RESULT IN LEGAL ACTION BY THE COMMISSIONER AS PROVIDED FOR IN SECTION 22a-6 THROUGH 22a-7 OF THE CONNECTICUT GENERAL STATUTES."

STATEMENT OF PURPOSE: To adopt standards for major stationary sources as required by the Clean Air Act Amendments of 1990.

CERTIFICATION
R 39 REV. 1 77

4476

Be it known that the foregoing:

[X] Regulations [ ] Emergency Regulations

[ ] 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 December 8, 1992, 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 5th, 6th & 7th day of January 1993

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____.

Witness Whereof:	DATE 9/15/93	SIGNED (Head of Board, Agency or Commission) Robert S. Moore	OFFICIAL TITLE, DULY AUTHORIZED Deputy Commissioner
Approved by the Attorney General as to legal sufficiency in accordance with Sec. 4-169, as amended, C.G.S.:	SIGNED: [illegible]	9/30/93	OFFICIAL TITLE, DULY AUTHORIZED Assoc. Atty. Gen.

[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 11/16/93	SIGNED (Clerk of the Legislative Regulation Review Committee) [illegible]

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 November 18, 1993	SIGNED (Secretary of the State) Pauline R. Kezer	BY Peter J. Bartima

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

NOV 18 1993

RECORDS & LEGISLATIVE SERVICES
SECRETARY OF THE STATE