MODELING DATA, THE COMMISSIONER SHALL DEVELOP BY REGULATION A SCHEDULE FOR TESTING DIOXIN EMISSIONS IN SUBSEQUENT YEARS INCLUDING THE IDENTIFICATION OF SOURCES OF FUNDS TO PAY FOR SUCH TESTS. THE COMMISSIONER SHALL PROVIDE NOTICE OF THIS DETERMINATION TO THE CHIEF ELECTED OFFICIAL OF EACH TOWN PARTICIPATING IN THE SUBJECT RESOURCES RECOVERY FACILITY.

(4) FOR ANY RESOURCES RECOVERY FACILITY WHICH HAD A VALID PERMIT TO OPERATE PRIOR TO JULY 1, 1987 THE COMMISSIONER SHALL USE THE SCHEDULE OUTLINED IN SUBDIVISION (3) OF THIS SUBSECTION WHEN THE FACILITY IS MODIFIED AND IS REQUIRED TO PERFORM A STACK TEST FOR DIOXIN EMISSIONS UNDER THE PROVISIONS OF SUBPARAGRAPH (2)(B) OF THIS SUBSECTION.

(5) FOR THE PURPOSES OF DETERMINING COMPLIANCE WITH THE CONDITIONS OF A PERMIT OR ORDER FOR DIOXIN EMISSIONS FOR ANY RESOURCES RECOVERY FACILITY IN ACCORDANCE WITH SUBPARAGRAPH 22a-174-5(g)(2)(C), THE COMMISSIONER SHALL ESTABLISH A SOURCE SPECIFIC STACK EMISSION STANDARD FOR DIOXIN EMISSIONS IN EITHER THE PERMIT TO CONSTRUCT, THE PERMIT TO OPERATE OR AN ORDER IN ACCORDANCE WITH THE PROVISIONS OF SECTIONS 22a-174-24 AND 22a-174-29.

Section 5.

Section 22a-174-7 of the Regulations of Connecticut State Agencies is amended to read as follows:

Sec. 22a-174-7. Malfunction of control equipment;reporting AND REQUIRED CONTINUOUS EMISSION MONITORING EQUIPMENT FOR STATIONARY SOURCES, SHUTDOWN PROVISIONS FOR POOR COMBUSTION EFFICIENCY FOR RESOURCES RECOVERY FACILITIES AND SHUTDOWN AND START UP PLANS FOR RESOURCES RECOVERY FACILITIES.

(a) Equipment or methods which control air pollutant emissions from a STATIONARY source and which are necessary to the operation of such STATIONARY source in compliance with applicable emission standards and regulations shall be maintained in operation at all times that the STATIONARY source is in operation or is emitting air pollutants. THIS INCLUDES INSTRUMENTS REQUIRED BY PERMIT, ORDER OR REGULATION WHICH MEASURE THOSE SOURCE OPERATING PARAMETERS WHICH AFFECT AIR POLLUTANT EMISSIONS, AIR POLLUTION CONTROL EQUIPMENT OR OTHER INSTRUMENTS WHICH MEASURE METEOROLOGICAL DATA REQUIRED BY PERMIT, ORDER OR REGULATION.

(b) No person shall deliberately shut down any such control equipment, [ or ] method OR OTHER INSTRUMENT SPECIFIED IN SUBSECTION 22a-174-7(a) while the source is in operation except for such necessary maintenance as cannot be accomplished when the STATIONARY source itself is not in operation and is not emitting air pollutants.

(c) In the case of breakdown, failure, or deliberate shutdown of any control equipment, [ or ] method OR OTHER INSTRUMENT SPECIFIED IN SUBSECTION 22a-174-7(a) during which time the STATIONARY source will be in operation, all reasonable measures shall be taken to assure resumption of control as soon as possible. Due diligence shall be exercised to minimize emissions while the control equipment or method is inoperative. In the event such shutdown of control equipment or methods is expected or

may reasonably be expected to continue for longer than 72 hours, and if the source is to be operated at any time during that period, the Commissioner shall be notified promptly EXCEPT THAT FOR A RESOURCES RECOVERY FACILITY SUCH TIME PERIOD SHALL BE 24 HOURS. Such notice shall include, but is not limited to, the following:

(1) Identification of the specific [ facility ] EQUIPMENT OR INSTRUMENT taken out, or to be taken out, of service as well as its location, and, where applicable, registration or permit number:

(2) The expected length of time that the air pollution control equipment OR INSTRUMENT will be out of service;

(3) The nature and quantity of emissions of air pollutants likely to be emitted during the shutdown period;

(4) Measures such as the use of off-shift labor and equipment that will be taken to minimize the length of the shutdown period;

(5) The reasons that it would be impossible or impractical to shut down the STATIONARY source operation during the maintenance period.

(d) The Commissioner may attach conditions to the operation of the STATIONARY source during the period of shutdown or breakdown.

(e) IN ADDITION TO THE REQUIREMENTS OF SUBSECTIONS (a) THROUGH (d) OF SECTION 22a-174-7 FOR STATIONARY SOURCES, THE OWNER OR OPERATOR OF ANY RESOURCES RECOVERY FACILITY SHALL IMPLEMENT THE PROVISIONS OF THE SOURCE SHUTDOWN AND START UP PLAN APPROVED BY THE COMMISSIONER UNDER SUBSECTION 22a-174-7(g) IF THE CONTINUOUS EMISSION MONITORING EQUIPMENT FOR COMBUSTION EFFICIENCY EXPERIENCES A BREAKDOWN, FAILURE OR DELIBERATE SHUTDOWN.

(f) COMBUSTION EFFICIENCY FOR RESOURCES RECOVERY FACILITIES.

FOR THE PURPOSES OF THIS SUBSECTION THE COMBUSTION EFFICIENCY SHALL BE CALCULATED AS SPECIFIED IN SECTION 22a-174-1 OR IN ACCORDANCE WITH THE PROCEDURES AND METHODS APPROVED BY THE COMMISSIONER IN THE SOURCE SHUTDOWN AND START UP PLAN AS REQUIRED BY SUBSECTION 22a-174-7(g).

(1) THE RESOURCES RECOVERY FACILITY WILL BE IN COMPLIANCE WITH THE PROVISIONS OF THIS SUBSECTION WHEN THE COMBUSTION EFFICIENCY IS EQUAL TO OR GREATER THAN 99.90% UNLESS THE COMMISSIONER REQUIRES A DIFFERENT COMBUSTION EFFICIENCY FOR THIS SUBDIVISION AS PART OF A PERMIT TO CONSTRUCT OR PERMIT TO OPERATE.

(2) WHEN THE COMBUSTION EFFICIENCY IS LESS THAN THE LEVEL REQUIRED PURSUANT TO SUBDIVISION 22a-174-7(f)(1) FOR MORE THEN A TOTAL OF SEVENTY-TWO (72) HOURS IN ANY THIRTY (30) CONSECUTIVE DAYS THE OWNER OR OPERATOR SHALL PROVIDE THE COMMISSIONER WITH AN ENGINEERING EVALUATION WITHIN THIRTY (30) DAYS OF THE OCCURRENCE OF THE FINAL HOUR OF SUCH COMBUSTION EFFICIENCY DETAILING THE CAUSE OR REASONS FOR NOT MEETING SUCH COMBUSTION EFFICIENCY REQUIREMENTS ALONG WITH RECOMMENDATIONS OF HOW AND WHEN CORRECTIONS OR ADJUSTMENTS WILL BE MADE.

(3) WHEN THE COMBUSTION EFFICIENCY IS LESS THAN THE LEVEL REQUIRED PURSUANT TO SUBDIVISION 22a-174-7(f)(1) FOR MORE THAN A

TOTAL OF TWO HUNDRED AND SIXTEEN (216) HOURS IN ANY NINETY (90) CONSECUTIVE DAY PERIOD THE OWNER OR OPERATOR SHALL PERFORM A STACK TEST FOR DIOXIN EMISSIONS WITHIN FORTY-FIVE (45) DAYS OF THE OCCURRENCE OF THE FINAL HOUR OF SUCH COMBUSTION EFFICIENCY. IN ADDITION, THE OWNER OR OPERATOR SHALL PROVIDE THE COMMISSIONER WITH AN ENGINEERING EVALUATION WITHIN THIRTY (30) DAYS OF THE DATE OF THE STACK TEST REQUIRED UNDER THIS SUBDIVISION DETAILING THE CAUSE OR REASONS FOR NOT MEETING SUCH COMBUSTION EFFICIENCY REQUIREMENTS ALONG WITH RECOMMENDATIONS OF HOW AND WHEN CORRECTIONS OR ADJUSTMENTS WILL BE MADE.

(4) THE RESOURCES RECOVERY FACILITY WILL BE IN COMPLIANCE WITH THE PROVISIONS OF THIS SUBDIVISION WHEN THE COMBUSTION EFFICIENCY IS EQUAL TO OR GREATER THAN 99.5% UNLESS THE COMMISSIONER REQUIRES A DIFFERENT COMBUSTION EFFICIENCY FOR THIS SUBDIVISION AS PART OF A MODIFIED PERMIT TO OPERATE. WHEN THE COMBUSTION EFFICIENCY IS LESS THAN THE LEVEL REQUIRED UNDER THIS SUBDIVISION FOR MORE THEN A TOTAL OF SEVENTY-TWO (72) HOURS IN ANY THIRTY CONSECUTIVE DAYS THE OWNER OR OPERATOR SHALL PERFORM A STACK TEST FOR DIOXIN EMISSIONS WITHIN FORTY-FIVE (45) DAYS OF THE OCCURRENCE OF THE FINAL HOUR OF SUCH COMBUSTION EFFICIENCY. IN ADDITION, THE OWNER OR OPERATOR SHALL PROVIDE THE COMMISSIONER WITH AN ENGINEERING EVALUATION WITHIN THIRTY (30) DAYS OF THE DATE OF THE STACK TEST REQUIRED UNDER THIS SUBDIVISION DETAILING THE CAUSE OR REASONS FOR NOT MEETING SUCH COMBUSTION EFFICIENCY REQUIREMENTS ALONG WITH RECOMMENDATIONS OF HOW AND WHEN CORRECTIONS OR ADJUSTMENTS WILL BE MADE. IF AFTER TWO (2) CONSECUTIVE STACK TESTS THE OWNER OR OPERATOR DEMONSTRATES TO THE COMMISSIONER'S SATISFACTION THAT THE SOURCE COMPLIES WITH APPLICABLE DIOXIN EMISSION STANDARDS CONTAINED IN A PERMIT TO CONSTRUCT OR A PERMIT TO OPERATE, THEN THE OWNER OR OPERATOR MAY REQUEST THE COMMISSIONER TO MODIFY THE SOURCE'S PERMIT TO OPERATE AND TO REVISE THE COMBUSTION EFFICIENCY REQUIREMENT IN THIS SUBDIVISION.

(5) THE RESOURCES RECOVERY FACILITY WILL BE IN COMPLIANCE WITH THE PROVISIONS OF THIS SUBDIVISION WHEN THE COMBUSTION EFFICIENCY IS EQUAL TO OR GREATER THAN 99.0%. WHEN THE COMBUSTION EFFICIENCY IS LESS THAN THE LEVEL REQUIRED UNDER THIS SUBDIVISION FOR EACH OF ANY THREE (3) CONSECUTIVE HOURS, THE OWNER OR OPERATOR SHALL INSTITUTE THE SOURCE SHUTDOWN PROVISIONS OF THE SOURCE SHUTDOWN AND START UP PLAN AND PROVIDE ANY NOTICES TO THE DEPARTMENT PURSUANT TO THE SOURCE SHUTDOWN AND START UP PLAN REQUIRED UNDER SUBSECTION 22a-174-7(g). AFTER THE OWNER OR OPERATOR HAS PROVIDED THE DEPARTMENT WITH INFORMATION DETAILING THE CAUSE OR REASONS FOR NOT MEETING THE COMBUSTION EFFICIENCY REQUIREMENTS ALONG WITH RECOMMENDATIONS OF HOW AND WHEN CORRECTIONS OR ADJUSTMENTS WILL BE MADE THE SOURCE MAY INSTITUTE START UP PROCEDURES IN ACCORDANCE WITH THE APPROVED SOURCE SHUTDOWN AND START UP PLAN.

(g) SHUTDOWN AND START UP PLANS FOR RESOURCES RECOVERY FACILITIES.

THE OWNER OR OPERATOR OF ANY RESOURCES RECOVERY FACILITY SHALL MAKE AND SUBMIT FOR THE COMMISSIONER'S APPROVAL A COMPREHENSIVE SOURCE SHUTDOWN AND START UP PLAN. AT A MINIMUM, THIS PLAN SHALL INCLUDE INFORMATION REQUIRED IN SUBDIVISIONS (1) THROUGH (5) OF THIS SUBSECTION. FOR ANY RESOURCES RECOVERY FACILITY WHICH HAS A PERMIT TO CONSTRUCT ISSUED UNDER SECTION 22a-174-3 PRIOR TO THE EFFECTIVE DATE OF THIS SUBSECTION THE PLAN MUST BE SUBMITTED WITHIN NINETY (90) DAYS OF THE EFFECTIVE DATE OF THIS SUBSECTION. FOR ANY RESOURCES RECOVERY FACILITY WHICH HAS A PERMIT TO CONSTRUCT ISSUED UNDER SECTION 22a-174-3 AFTER THE

EFFECTIVE DATE OF THIS SUBSECTION THE PLAN MUST BE SUBMITTED AND APPROVED AS PART OF THE PERMIT TO OPERATE REQUIRED UNDER SUBSECTION 22a-174-3(f).

(1) A DESCRIPTION OF HOW THE HOURLY AVERAGE COMBUSTION EFFICIENCY OF THE RESOURCES RECOVERY FACILITY WILL BE DETERMINED INCLUDING THE SUBSTANCES TO BE MONITORED AND THE FORMULAS TO BE USED TO CALCULATE THE COMBUSTION EFFICIENCY IF THE DETERMINATION IS DIFFERENT THAN THAT SPECIFIED IN THE DEFINITION OF COMBUSTION EFFICIENCY IN SECTION 22a-174-1.

(2) A DESCRIPTION OF THE CONTINUOUS EMISSION MONITORS TO BE USED TO DETERMINE COMBUSTION EFFICIENCY, TO RECORD TEMPERATURES AND TO MONITOR THE OPERATION OF APPROPRIATE SOURCE OPERATING PARAMETERS AND REQUIRED AIR POLLUTION CONTROL DEVICES ALONG WITH ANY REQUIRED METEOROLOGICAL INSTRUMENTS.

(3) A DESCRIPTION OF THE PROCEDURES TO BE FOLLOWED EACH TIME THE RESOURCES RECOVERY FACILITY WILL BEGIN OPERATION.

(4) A DESCRIPTION OF THE PROCEDURES TO BE FOLLOWED EACH TIME THE RESOURCES RECOVERY FACILITY MUST SHUTDOWN .

(5) A DESCRIPTION OF PROCEDURES OR METHODS TO BE EMPLOYED IN THE EVENT THAT THE CONTINUOUS EMISSION MONITORING EQUIPMENT USED TO DETERMINE COMBUSTION EFFICIENCY MALFUNCTIONS. THIS MAY INCLUDE THE USE OF BACKUP OR REDUNDANT MONITORS OR SURROGATE METHODS.

Section 6.

Section 22a-174-24 of the Regulations of Connecticut State Agencies is amended to read as follows:

Sec. 22a-174-24. Connecticut primary and secondary standards

(a) Definitions.

(1) "Ambient air" means that portion of the atmosphere, external to buildings, to which the general public has access.

(2) "Reference method" means a method of sampling and analyzing for an air pollutant, as described in Title 40 Code of Federal Regulations part 50, as from time to time may be amended.

(3) "Equivalent method" means any method of sampling and analyzing for an air pollutant that has been designated in accordance with Title 40 of Federal Regulations part 53, as from time to time may be amended.

(4) "Acceptable method" means a reference method, an equivalent method, or any other method determined by the Commissioner.

(b) The concentration of pollutants in the ambient air, as measured by an acceptable method, shall conform with levels specified below as the applicable air quality standards for these

CERTIFICATION
R-39 REV. 1/77

Be it known that the foregoing:



[X] Regulations [ ] Emergency Regulations

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

By the aforesaid agency pursuant to:

[ ] Section _____ of the General Statutes.

[ ] Section 22a-174; 22a-6b of the General Statutes, as amended by Public Act No. 332 489 of the 1987 1987 Public Acts.

[ ] Public Act No. _____ of the Public Acts.

After publication in the Connecticut Law Journal on January 27 September 1, 19 87 87, 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 9,11,12,17,19 1,5,8 day of March October 19 87 87

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 2/3/88 | 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 Deputy FEB. 18 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 4/19/88 | 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 April 25, 1988 | SIGNED (Secretary of the State) John H. Tashjian | BY Eugene L. Kerr |
|---|---|---|

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
APR 25 1988
SECRETARY OF THE STATE