

CITY OF OMAHA CHAPTER 41 - AIR QUALITY CONTROL

ARTICLE IV. WASTE INCINERATORS DIVISION 3. DESIGN

SECTION 41-80. NEW OF MODIFIED WASTE INCINERATORS

The managers and/or principal operator(s) of all waste incinerators installed or modified after the effective date of this division (February 21, 1990) shall have designed and built or retrofitted the facility to provide, and then operate the facility, to the standards set out in the following:

(a) Automatically controlled auxiliary burners capable of heating and maintaining the combustion in the primary combustion chamber at a minimum temperature of thirteen hundred (1,300) degrees Fahrenheit and a one hour average temperature of fourteen hundred (1,400) degrees Fahrenheit; and in the secondary combustion chamber minimum temperature of eighteen hundred (1,800) degrees Fahrenheit for two (2) seconds' residence time at an oxygen concentration greater than seven (7) percent by volume measures on a dry basis.

(b) A fugitive emissions control system for the waste incinerator and its pollution control devices, including double doors on the feed chamber with interlocks to prevent both doors from being opened at once.

(c) The appropriate access in the stack and other, flue areas for sampling to determine compliance with these regulations.

(d) A pollution control system containing at a minimum an acid gas scrubber and a particulate control device shall be in place and in working area with a maximum emission gas temperature of three hundred (390) degrees Fahrenheit continuously monitored and recorded existing from the pollution control system.

(e) A stack design and height built in accordance with good engineering practices.

(f) Continuous monitors with recorders and interlocks shall be in place and in working order monitor and stop feed to the incinerator if the following Parameters are in noncompliance with the operating permit requirements or conditions:

- (1) The primary combustion chamber temperature.
- (2) The secondary combustion chamber temperature.
- (3) Carbon monoxide in the emission gases.

(4) The opacity of the emission gases.

(5) Use of dump stack: frequency and duration.

(g) The director may accept proven surrogate parameter monitors or monitoring procedures with recorders and interlocks to stop the feed if there is noncompliance with section 41-70 regarding the following:

(1) The hydrochloric acid levels in the emission gases and prior to the control devices.

(2) The sulfur dioxide level in the emission gases and prior to the pollution control devices.

(3) The oxygen level at the combustion points and in the emission gases.

ARTICLE IV
SECTION 41-80

CITY OF OMAHA

EPA Rulemakings

CFR: 40 C.F.R. 52.1420(c)(44)(i)(B)
FRM: 61 FR 5701 (2/14/96)
PRM: 61 FR 5725 (2/14/96)
State Submission: 6/2/95
State Proposal: 11/2/93
State Final: 5/29/95 (effective date locally)
APDB File: NE-38
Description: EPA approved a revision to the SIP that updated the local ordinances of the city of Omaha and created a federally enforceable Class II operating permits program. Chapter 41 - Air Quality Control rules of the city of Omaha replaced Chapter 45.04 rules in their entirety.

Note: All previous versions of the rule are obsolete; the record of prior rulemakings is shown below for historical purposes only.

CFR: 40 C.F.R. 52.1420(c)(24)
FRM: 47 FR 22954 (5/26/82)
PRM: 42 FR 46371 (9/15/77)
State Submission: 12/27/76
State Proposal: 12/10/76
State Final: 9/24/74 (effective date locally)
APDB File: NE-08
Description: EPA approved the revised air quality control rules for the city of Omaha. The state withdrew Sections 050, 150, 160, and 180 of the regulations prior to the EPA's final rulemaking.

CFR: 40 C.F.R. 52.1420(c)(5)
FRM: 41 FR 8962 (3/2/76)
PRM: None
State Submission: 6/29/72
State Proposal: Unknown
State Final: 5/25/72 (effective date locally)
APDB File: NE-00
Description: As part of an action to clarify the list of SIP revisions submitted by the states, the EPA approved revisions to the city of Omaha's regulations.

CFR: 40 C.F.R. 52.1420(a)
FRM: 37 FR 10842 (5/31/72)
PRM: None
State Submission: 1/28/72
State Proposal: Unknown
State Final: 5/26/70 (effective date locally)
APDB File: NE-00
Description: EPA approved the city of Omaha's regulations for air pollution control as part of the original SIP.

Difference Between the State and EPA-Approved Regulation

None.