

	<b>Tech Gram</b>  <b>Carbon Monoxide Detector Rules</b> <b>– Effective Dates</b>	<b>Implementation Date</b>	9/6/2022
		<b>Last Reviewed/Update Date</b>	9/6/2022
		<b>SOP Owner</b>	Chief Boiler Inspector

## BOILER TECHNICAL GRAM

**Number:** 2022-03

**Date:** September 6, 2022

**To:** Authorized Inspection Agencies  
Texas In-Service Commissioned Boiler Inspectors

**From:** Office of the Chief Boiler Inspector  
TDLR, Regulatory Program Management (RPM) Division, Boiler Program

**Subject:** Carbon Monoxide Detector Rules Effective Dates

**References:** - Texas Boiler Law, Health and Safety Code Ch. 755, Sec. 755.025 Inspection  
- Texas Administrative Code, Ch 65 Boilers, 65.206 Boiler Room

**Purpose:** To highlight effective dates of Boiler Rules relating to Carbon Monoxide Detectors for:  
-new installations/reinstallations completed on or after September 1, 2020 and for,  
-Sealed Combustion Design prior to September 1, 2020.

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**For new installations or reinstallations of one or more boilers completed on or after *September 1, 2020*.**

Texas Administrative Code, Ch 65 Boilers, 65.206(a) states that:

(a) Each boiler room containing one or more boilers from which carbon monoxide can be produced shall be equipped with a carbon monoxide detector with a manual reset.

(1) The carbon monoxide detector and boiler(s) shall be interlocked to disable the burners when the measured level of CO rises above 50 ppm.

(2) The carbon monoxide detector shall disable the burners upon loss of power to the detector.

(3) The carbon monoxide detector shall be calibrated in accordance with the manufacturer's recommendations or every eighteen months after installation of the detector. A record of calibration shall be posted at or near the boiler, or be readily accessible to an inspector.

(4) The requirements in this subsection apply to boiler rooms in which new installations or reinstallations of one or more boilers are completed on or after **September 1, 2020**.

**For Sealed Combustion Design effective *June 15, 2015* and prior to *September 1, 2020*.**

Texas Administrative Code, Ch 65 Boilers, 65.603(c) states that:

(c) Boilers of a sealed combustion design by the manufacture.

(1) When a boiler(s) in the boiler room is of a sealed combustion design by the manufacture of the boiler and the required ventilation opening is not provided, the boiler room shall be equipped with a manual reset type Carbon Monoxide Detector. The Carbon Monoxide Detector and boiler shall be interlocked so that the burners will not operate when the measured level of CO rises above 100ppm. The Carbon Monoxide detector shall disable the appliance burners upon loss of power to the detector.

(2) When the boiler room is configured to include both designs, i.e. a boiler(s) of a sealed combustion design by the manufacture of the boiler and a boiler(s) that is not of a sealed combustion design by the manufacture of the boiler, the requirements in A or B below shall be met.

(A) The boiler room shall be in compliance with subsection (b)(1) or (b)(2).

(B) The boiler(s) that is not of the sealed combustion design is required to meet the ventilation requirement of subsection (b)(1)

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or (b) (2). The boiler(s) that are of the sealed combustion design are required to meet the ventilation requirement of subsection (c) (1) .

(d) Carbon Monoxide Detectors shall be calibrated every eighteen months and a record of calibration shall be posted at or near the boiler, or readily accessible to an inspector.

For boilers installed on or after September 1, 2020, Texas Administrative Code, Ch 65 Boilers, 65.206(a) is applicable to new installations or reinstallations of one or more boilers.

For boilers installed between June 15, 2015 and September 1, 2020, Texas Administrative Code, Ch 65 Boilers, 65.603(c) is applicable to Sealed Combustion Designs.

Prior to June 15, 2015 the Boiler Rules did not include Carbon Monoxide Detector requirements.

Questions regarding this Technical Gram should be addressed to the Chief Boiler Inspector or an Inspection Specialist.

Sincerely,



Robby D. Troutt  
Chief Boiler Inspector  
TDLR – Boiler Program