

TCEQ 30 TAC CHAPTER 117 NO_x EMISSION LIMITS FOR INDUSTRIAL, COMMERCIAL, & INSTITUTIONAL
STATIONARY GAS-FIRED RECIPROCATING INTERNAL COMBUSTION ENGINES IN OZONE NONATTAINMENT AREAS

Area	Applicability	Engine Size (Max Rated Horsepower Capacity)	NO _x Limit Grams per Horsepower-Hour (g/hp-hr)	Rule Citation in 30 T.A.C.
Beaumont/Port Arthur (1-HR BPA): Hardin, Jefferson, and Orange Counties	Major NO _x sites (\geq 50 tons per year [tpy] NO _x)	\geq 300 horsepower (hp) Gas-fired rich-burn engines Gas-fired lean-burn engines	RACT Limits: 2.0 g/hp-hr 3.0 g/hp-hr	§117.105(d) §117.105(e) §117.9000(1) §117.9000(2)
Dallas/Fort Worth (1-HR DFW): Collin, Dallas, Denton, and Tarrant Counties	Major NO _x sites (\geq 50 tpy NO _x)	\geq 300 hp Gas-fired rich-burn engines Gas-fired and dual-fuel lean-burn engines	RACT & ESAD Limits: 2.0 g/hp-hr 2.0 g/hp-hr	§117.205(d) §117.210(a)(2) §117.9010
Dallas/Fort Worth (8-HR DFW Increment of Progress (IOP)): Collin, Dallas, Denton, Ellis, Kauffman, Johnson, Parker, Rockwall and Tarrant Counties	Major NO _x sites (\geq 50 tpy NO _x)	\geq 300 hp Gas-fired rich-burn engines: Placed-into-service before Jan 1, 2000 Placed-into-service on or after Jan 1, 2000 Gas-fired lean-burn engines	ESAD Limits: 2.0 g/hp-hr 0.5 g/hp-hr 2.0 g/hp-hr	§117.410(a)(1)(B)(i) §117.410(a)(1)(B)(ii) §117.410(a)(1)(A) §117.9030(a)

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Dallas/Fort Worth (8-HR DFW): Collin, Dallas, Denton, Ellis, Kauffman, Johnson, Parker, Rockwall and Tarrant Counties	Major NO _x sites (≥ 50 tpy NO _x)	≥ 50 hp Gas-fired rich-burn engines · landfill gas-fired · all other gas-fired Gas-fired lean-burn engines: Placed into service before June 1, 2007. Placed into service on or after June 1, 2007. · landfill gas-fired · all other gas-fired	0.60 g/hp-hr 0.50 g/hp-hr 0.70 g/hr-hr 0.60 g/hr-hr 0.50 g/hr-hr	§117.410(b)(4)(A) §117.410(b)(4)(B)(i) §117.410(b)(4)(B)(ii) §117.9030(b)(1)(B)(i) §117.9030(b)(2)
Dallas/Fort Worth (8-HR DFW): Collin, Dallas, Denton, Ellis, Kauffman, Johnson, Parker, Rockwall and Tarrant Counties	Minor NO _x sites (< 50 tpy NO _x)	≥ 50 hp Gas-fired rich-burn engines · landfill gas-fired · all other gas-fired Gas-fired lean-burn engines: Placed into service before June 1, 2007. Placed into service on or after June 1, 2007. · landfill gas-fired · all other gas-fired	0.60 g/hp-hr 0.50 g/hp-hr 0.70 g/hr-hr 0.60 g/hr-hr 0.50 g/hr-hr	§117.2110(a)(1)(A) §117.2110(a)(1)(B) §117.2110(a)(1)(B) §117.9210(a) §117.9210(b)

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Houston/Galveston/Brazoria (HGB): Harris, Galveston, Brazoria, Chambers, Fort Bend, Liberty, Montgomery, and Waller Counties	Major NO _x sites (\geq 25 tpy NO _x potential to emit)	No size cutoff. Gas-fired engines · landfill gas-fired · all other gas-fired	Cap-and-trade compliance. NO _x allocation based on 0.60 g/hr-hr 0.50 g/hr-hr Cap reductions 2004-2008. New units after 1/2/01 get no NO _x allocation; must obtain thru cap-and-trade.	§101.351 §117.310(a), and (a)(9)(A) & (B) §101.353 §117.9020(2)
HGB: Harris, Galveston, Brazoria, Chambers, Fort Bend, Liberty, Montgomery, and Waller Counties	Minor NO _x sites (< 25 tpy NO _x) with \geq 10 tpy NO _x uncontrolled design capacity to emit, from units subject to §117.2010, but less than < 25 tpy NO _x potential to emit from all emitting sources are in cap and trade. (citation: §101.351)	\geq 50 hp Gas-fired engines · landfill gas-fired · all other gas-fired	Cap-and-trade compliance. NO _x allocation based on 0.60 g/hr-hr 0.50 g/hr-hr Cap reductions 2004-2008. New units after 1/2/01 get no NO _x allocation; must obtain thru cap-and-trade.	§101.351 §117.2010(a)&(c)(2) §101.353 §117.9200(1)
HGB: Harris, Galveston, Brazoria, Chambers, Fort Bend, Liberty, Montgomery, and Waller Counties	Minor NO _x sites (< 25 tpy NO _x) with < 10 tpy NO _x uncontrolled design capacity to emit, from units subject to §117.2010 are not in cap-and-trade.	\geq 50 hp Gas-fired engines · landfill gas-fired · all other gas-fired	0.60 g/hr-hr 0.50 g/hr-hr	§117.2010(c)(2) §117.9200(2)

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REQUIREMENTS IN ATTAINMENT AREAS

Area	Applicability	Engine Size (Max Rated Horsepower Capacity)	NO _x Limit Grams per Horsepower-Hour (g/hp-hr)	Rule Citation in 30 T.A.C.
East Texas Combustion Rule (33-East Texas Counties) Anderson, Brazos, Burleson, Camp, Cass, Cherokee, Freestone, Franklin, Gregg, Grimes, Harrison, Henderson, Hill, Hopkins, Hunt, Lee, Leon, Limestone, Madison, Marion, Morris, Nacogdoches, Navarro, Panola, Rains, Robertson, Rusk, Shelby, Smith, Titus, Upshur, Van Zandt, and Wood.	Any	Gas-fired rich burn engines \geq 240 hp	1.0 g/hp-hr	§117.3310(a)(1)
		\geq 240 hp and < 500 hp		
		\geq 500 hp fired on landfill gas	0.60 g/hp-hr	§117.3310(a)(2)
		\geq 500 hp all other gas-fired	0.50 g/hp-hr	§117.9340

This table only presents the NO_x emission limits under Chapter 117 and is not a replacement for the TCEQ rules. Other compliance requirements will apply (monitoring, testing, recordkeeping, reporting, notification, etc.). Under Texas law, all new or modified air pollutant emitting facilities statewide have to obtain permit authorization, either under Chapter 106 or 116. Separately and additionally, Chapter 117 requires NO_x reductions in specific areas in order to meet federal ambient ozone standards. Separate permitting and/or federal requirements may apply. Download rules from TCEQ web site: <http://www.tceq.state.tx.us/rules/index.html>