

Appendix I

Particulate Matter of 10 Micrometers or Less Monitoring Requirements

Texas Commission on Environmental Quality
2018 Annual Monitoring Network Plan



Appendix I: Particulate Matter of 10 Micrometers or Less Monitoring Requirements

Table 1: Particulate Matter of 10 Micrometers or Less Monitoring Requirements and Monitor Locations

Metropolitan Statistical Area	2017 Population Estimates*	Site Name	2015-2017 Maximum Concentration ($\mu\text{g}/\text{m}^3$)	Percent of NAAQS** (%)	Required Monitors	Existing Monitors
Dallas-Fort Worth-Arlington	7,399,662				2-4	4
		Earhart	43	29		
		Convention Center (collocated pair)	39	26		
		Dallas North #2	29	19		
		Stage Coach	35	23		
Houston-The Woodlands-Sugar Land	6,892,427				2-4	7
		Clinton (collocated pair)	111	74		
		Houston Monroe	83	55		
		Houston Westhollow	81	54		
		Lang	79	53		
		Texas City Fire Station	59	39		
		Houston Deer Park #2 (collocated pair)	74	49		
		Houston Aldine	74	49		
San Antonio-New Braunfels	2,473,974				2-4	2
		Selma	72	48		
		Frank Wing Municipal Court	117	78		
Austin-Round Rock	2,115,827				2-4	2
		Austin Webberville Rd	64	43		
		Austin Audubon Society	48	32		
McAllen-Edinburg-Mission	860,661				1-2	2
		Mission	62	41		
		Edinburg East Freddy Gonzalez Drive	69	46		

Table 1: Particulate Matter of 10 Micrometers or Less Monitoring Requirements and Monitor Locations (Cont.)

Metropolitan Statistical Area	2017 Population Estimates*	Site Name	2015-2017 Maximum Concentration ($\mu\text{g}/\text{m}^3$)	Percent of NAAQS** (%)	Required Monitors	Existing Monitors
El Paso	844,818				4-8	5
		Socorro Hueco (collocated pair)	188	125		
		Riverside	111	74		
		Ojo De Agua (collocated pair)	119	79		
		Van Buren	85	57		
		Ivanhoe	79	53		
Corpus Christi	454,008				0-1	1
		Dona Park	74	49		
Laredo	274,794				0-1	2
		Laredo Vidaurri	65	43		
		Laredo Bridge	56	37		
Marshall****	66,661				0	1
		Karnack	24	16		
Killeen-Temple	443,773			0	0-1	0
Brownsville-Harlingen	423,725			0	0-1	0
Beaumont-Port Arthur	412,437			0	0-1	0
Lubbock	316,983			0	0-1	0
Waco	268,696			0	0-1	0
Amarillo	264,925			0	0-1	0
College Station-Bryan	258,044			0	0-1	0
Totals***					13-35	26

This list does not include Metropolitan Statistical Areas with zero requirements and zero monitors.

*United States Census Bureau population estimates as of July 1, 2017.

**Current PM_{10} NAAQS is $150 \mu\text{g}/\text{m}^3$.

***Totals do not include collocated monitors.

****Area is classified as a micropolitan area, and is not subject to SLAMS requirements.

$\mu\text{g}/\text{m}^3$ - micrograms per cubic meter

NAAQS - National Ambient Air Quality Standards

PM_{10} - particulate matter of 10 micrometers or less

Appendix I: Particulate Matter of 10 Micrometers or Less Monitoring Requirements

Table 2: Particulate Matter of 10 Micrometers or Less Monitor Concentrations

Site Name	2015-2017 Maximum Concentration ($\mu\text{g}/\text{m}^3$)	2017 Annual Mean Concentration ($\mu\text{g}/\text{m}^3$)	2016 Annual Mean Concentration ($\mu\text{g}/\text{m}^3$) ²	2015 Annual Mean Concentration ($\mu\text{g}/\text{m}^3$)
Socorro Hueco (collocated pair)	188	32.1*	24.5*	31.6*
Riverside	111	27.8*	22.8	25.8*
Clinton (collocated pair)	111	27.4*	44.4*	42.4*
Mission	62	24.8*	26.3*	27.0*
Earhart	43	23.6*	24.1*	25.1*
Edinburg East Freddy Gonzalez Drive	69	22.9*	22.2	N/A
Austin Webberville Rd	64	22.0*	23.6	25.7*
Laredo Vidaurri	65	22.0*	19.6	23.3
Frank Wing Municipal Court	117	21.7	21.9	25.1*
Houston Monroe	83	21.4	25.2*	24.4
Ojo De Agua (collocated pair)	119	21.3	23.6*	17.7
Lang	79	21.2	25.1*	23.8
Houston Aldine	74	21.0	22.9	23.6
Convention Center (collocated pair)	39	20.9	24.0*	26.9*
Van Buren	85	20.4	14.0	19.8
Dona Park	74	19.9	23.3	24.4
Selma	72	19.7	18.4	22.7
Ivanhoe	79	19.4	18.6	19.9
Laredo Bridge	56	18.7	19.5	19.6
Houston Deer Park #2 (collocated pair)	74	16.9	19.5	19.4
Houston Westhollow	81	16.2	20.6	20.0
Stage Coach	35	16.1	17.2	19.7
Dallas North #2	29	15.6	18.5	18.3
Austin Audubon Society	48	14.8	16.8	18.8
Karnack	24	14.1	15.3	15.4
Texas City Fire Station	59	13.6	18.5	19.5

*sites having annual mean particulate matter concentration among the highest 25 percent

$\mu\text{g}/\text{m}^3$ - micrograms per cubic meter

N/A - not applicable

PM₁₀ - particulate matter of 10 micrometers or less