Appendix 3 – Parameter Tables

Code and Parameter	Method Reference	Sample Preservation
88101 $PM_{2.5}$ FRM	40 CFR 50 App L	*
88101 $PM_{2.5}$ FEM	“	NONE
86101 $PM_{10-2.5}$ FRM (Difference Method)	40 CFR 50 App O	*
81102 PM_{10}	40 CFR 50 App J	*
81102 PM_{10} continuous	“	NONE
85101 PM_{10c}		
88500 FDMS Raw	“	NONE
88503 DF and FDMS reference channel	“	NONE
86502 PM coarse Continuous LC	40 CFR Pt. 58, Ncore TAD	NONE
85101 PM_{10} Continuous LC	Ncore	NONE
81102 PM_{10} Continuous STP	Ncore	NONE
TBD PM coarse Continuous Volatile channel	Ncore	NONE
14129 Lead	40 CFR 50 App G	*
85129 Lead PM_{10-LC}	40 CFR 50 App Q	NONE
42101 CO	40 CFR 50 App C	NONE
42401 SO_2	40 CFR 50 App A	NONE
42406 SO_2-5min Max	40 CFR 58.16	NONE
42602 NO_2	40 CFR 50 App E	NONE
42601 NO	40 CFR 58.16	NONE

42603 NOx	40 CFR 58.16	NONE
44201 O_3	40 CFR 50 App D	NONE
42600 NOy	40 CFR 58, NCore TAD	NONE
42612 NOy-NO	“	NONE
42401 SO_2 Trace Level	“	NONE
42101 CO Trace Level	“	NONE
68105 Avg Temp, Pb,PM2.5, PM10	40 CFR 58.16	NONE
62107 Temp Indoor, hourly	“	NONE
62101 Outdoor Temp	“	NONE
68108 Avg Baro Press	“	NONE
64101 Amb Pressure, hourly	“	NONE
62201 Relative Humidity, hourly	“	NONE
61103 Ws		NONE
61104 Wd		NONE
63301 Sol. Rad.		NONE
65102 Precip.		NONE
62106 Delta T		NONE

*Holding Time

The following table lists meteorological parameters, units, and ranges that are required if on-site meteorological data will be used for air quality modeling; the table is based on requirements for the AERMOD model.

On-Site Meteorological Data Parameters- Necessary for Regulatory Dispersion Modeling	**Unit**	**Range***
Day		1 - 31
Month		1 - 12
Year		0 - 99
Hour		0 - 24
Minute		0 - 60
Insolation (Solar Radiation)	watts/square meter	0 - 1250
Net radiation	watts/square meter	-100 - 800
Temperature TT02	°C	-30 - 40
Temperature TT10	°C	-30 - 40
Temperature difference	°C	-2 - 5
Precipitation	millimeters*100	0 - 25400
Sea level pressure	millibars*10	9000 - 10999
Station pressure	millibars*10	9000 - 10999
Height HT02	meters	0 - 4000
Height HT10	meters	0 - 4000
Wind direction WD10†	degrees from north	0 - 360
Wind speed WS10†	meters/second	0 - 50
Dew-point DP10	°C	-65 - 35
Relative humidity RH10	whole percent	0 - 100
Standard deviation of horizontal wind SA10	degrees	0 - 35

*The ranges listed here are intended to meet the requirements for AERMOD modeling input and may differ from those listed below in Appendix 4.
†Report both scalar and vector channels clearly labeled in the data package.