

1 HOUR OZONE WORK FILE FORMAT

Start Position	Field Length	Field Name	Notes
1	2	State Code	
3	3	County Code	
6	4	Site Id	
10	5	Parameter Code	'44201'
15	2	POC	
17	1	Exceptional Event Type	0 – No exceptional events 1 – Exceptional events excluded 2 – Exceptional events included
18	1	Duration Code	1 – 1 Hour
19	4	Year	
23	3	Unit Code	
26	2	EPA Region Code	
28	3	Air Quality Control Region code	
31	4	Metropolitan Statistical Area code	
35	4	Urban Area code	
39	5	FIPS City Code	
44	40	Address	
84	10	Latitude	Degrees of latitude expressed in +/- DD.DDDDDD
94	11	Longitude	Degrees of longitude expressed in +/- DDD.DDDDDD
105	3	Number of valid days	
108	4	Required Number of Days	
112	7	Highest 1-hour reading within the year	
119	7	2nd Highest 1-hour reading within the year	
126	7	3rd Highest 1-hour reading within the year	
133	7	4th Highest 1-hour reading within the year	
140	4	Number of measured 1-hour exceedances	
144	5	Number of estimated exceedances	
149	3	Number of missing days assumed to be less than the standard	
152	3	Method Code used	'000' indicates that more than 1 method was used for the year
155	1	Certification Indicator	Based on the certification of the 1-hour data
156	4	Reporting Organization Code	The agency that was defined as the "Reporting Organization" at the beginning of the year for the monitor.

8 HOUR OZONE WORK FILE FORMAT

Start Position	Field Length	Field Name	Notes
1	2	State Code	
3	3	County Code	
6	4	Site Id	
10	5	Parameter Code	'44201'
15	2	POC	
17	1	Exceptional Event Type	0 – No exceptional events 1 – Exceptional events excluded 2 – Exceptional events included
18	1	Duration Code	W – 8-Hour running average
19	4	Year	
23	3	Unit Code	
26	2	EPA Region Code	
28	3	Air Quality Control Region code	
31	4	Metropolitan Statistical Area code	
35	4	Urban Area code	
39	5	FIPS City Code	
44	40	Address	
84	10	Latitude	Degrees of latitude expressed in +/- DD.DDDDDD
94	11	Longitude	Degrees of longitude expressed in +/- DDD.DDDDDD
105	4	Number 8-hour averages	
109	3	Percentage of the required 8-hour observations obtained	
112	7	Highest 8-hour reading within the year	
119	7	2nd Highest 8-hour reading within the year	
126	7	3rd Highest 8-hour reading within the year	
133	7	4th Highest 8-hour reading within the year	
140	4	Number of measured 8-hour exceedances	
144	2	Number of methods used by the monitor in the year	
146	3	Number of missing days assumed to be less than the standard	
149	1	Certification Indicator	Based on the certification of the 1-hour data
150	3	Method Code used	'000' indicates that more than 1 method was used for the year
153	4	Reporting Organization Code	The agency that was defined as the "Reporting Organization" at the beginning of the year for the monitor.
157	4	Number of Valid days of 8-hour data obtained during the year	
161	4	Number of days required to be obtained from the monitor	

CARBON MONOXIDE WORK FILE FORMAT

Start Position	Field Length	Field Name	Notes
1	2	State Code	
3	3	County Code	
6	4	Site Id	
10	5	Parameter Code	'42101'
15	2	POC	
17	1	Exceptional Event Type	0 – No exceptional events 1 – Exceptional events excluded 2 – Exceptional events included
18	1	Duration Code	
19	4	Year	
23	3	Unit Code	
26	2	EPA Region Code	
28	3	Air Quality Control Region code	
31	4	Metropolitan Statistical Area code	
35	4	Urban Area code	
39	5	FIPS City Code	
44	40	Address	
84	10	Latitude	Degrees of latitude expressed in +/- DD.DDDDDD
94	11	Longitude	Degrees of longitude expressed in +/- DDD.DDDDDD
105	4	Number of 1-hour Observations	
109	7	Highest 1-hour reading within the year	
116	7	2nd Highest 1-hour reading within the year	
123	7	Highest 8-hour reading within the year	
130	7	2nd Highest 8-hour reading within the year	
137	4	Number of 1-hour exceedances	
141	4	Number of non-overlapping 8-hour exceedances	
145	3	Method Code used	'000' indicates that more than 1 method was used for the year
148	1	Certification Indicator	
149	4	Reporting Organization Code	The agency that was defined as the "Reporting Organization" at the beginning of the year for the monitor.

LEAD WORK FILE FORMAT

Start Position	Field Length	Field Name	Notes
1	2	State Code	
3	3	County Code	
6	4	Site Id	
10	5	Parameter Code	'12128'
15	2	POC	
17	1	Exceptional Event Type	0 – No exceptional events 1 – Exceptional events excluded 2 – Exceptional events included
18	1	Duration Code	
19	4	Year	
23	3	Unit Code	
26	2	EPA Region Code	
28	3	Air Quality Control Region code	
31	4	Metropolitan Statistical Area code	
35	4	Urban Area code	
39	5	FIPS City Code	
44	40	Address	
84	10	Latitude	Degrees of latitude expressed in +/- DD.DDDDDD
94	11	Longitude	Degrees of longitude expressed in +/- DDD.DDDDDD
105	4	Number of Observations	
109	7	1st Quarter Arithmetic Mean	
116	1	1st Quarter Criteria Flag	'*' Indicates that summary criteria was not met.
117	7	2nd Quarter Arithmetic Mean	
124	1	2nd Quarter Criteria Flag	'*' Indicates that summary criteria was not met.
125	7	3rd Quarter Arithmetic Mean	
132	1	3rd Quarter Criteria Flag	'*' Indicates that summary criteria was not met.
133	7	4th Quarter Arithmetic Mean	
140	1	4th Quarter Criteria Flag	'*' Indicates that summary criteria was not met.
141	4	Number of quarters exceeding the standard	
145	7	Highest reading within the year	
152	7	2nd Highest reading within the year	
159	3	Method Code used	'000' indicates that more than 1 method was used for the year
162	1	Certification Indicator	
163	4	Reporting Organization Code	The agency that was defined as the "Reporting Organization" at the beginning of the year for the monitor.

NITROGEN DIOXIDE WORK FILE FORMAT

Start Position	Field Length	Field Name	Notes
1	2	State Code	
3	3	County Code	
6	4	Site Id	
10	5	Parameter Code	'42602'
15	2	POC	
17	1	Exceptional Event Type	0 – No exceptional events 1 – Exceptional events excluded 2 – Exceptional events included
18	1	Duration Code	1 – 1 Hour
19	4	Year	
23	3	Unit Code	
26	2	EPA Region Code	
28	3	Air Quality Control Region code	
31	4	Metropolitan Statistical Area code	
35	4	Urban Area code	
39	5	FIPS City Code	
44	40	Address	
84	10	Latitude	Degrees of latitude expressed in +/- DD.DDDDDD
94	11	Longitude	Degrees of longitude expressed in +/- DDD.DDDDDD
105	4	Number of observations	
109	7	Highest 1-Hour reading within the year	MAX1 is used for duration '1'. MAX11 is used for duration '7'.
116	7	2nd Highest 1-Hour reading within the year	MAX2 is used for duration '1'. MAX22 is used for duration '7'.
123	7	Annual arithmetic mean	
130	1	Annual summary criteria indicator	'*' Indicates that summary criteria was not met.
131	3	Method Code used	'000' indicates that more than 1 method was used for the year
134	1	Certification Indicator	Based on the certification of the 1-hour data
135	4	Reporting Organization Code	The agency that was defined as the "Reporting Organization" at the beginning of the year for the monitor.

PM10 WORK FILE FORMAT

Start Position	Field Length	Field Name	Notes
1	2	State Code	
3	3	County Code	
6	4	Site Id	
10	5	Parameter Code	'81102'
15	2	POC	
17	1	Exceptional Event Type	0 – No exceptional events 1 – Exceptional events excluded 2 – Exceptional events included
18	1	Duration Code	X – 24-Hour averaged sample 7 – 24-hour samples
19	4	Year	
23	3	Unit Code	
26	2	EPA Region Code	
28	3	Air Quality Control Region code	
31	4	Metropolitan Statistical Area code	
35	4	Urban Area code	
39	5	FIPS City Code	
44	40	Address	
84	10	Latitude	Degrees of latitude expressed in +/- DD.DDDDDD
94	11	Longitude	Degrees of longitude expressed in +/- DDD.DDDDDD
105	3	Number of valid days of samples obtained from the monitor	
108	4	Number of observations obtained during the year	
112	3	Percentage of required observations obtained by the monitor	
115	4	Number of observations required to be obtained from the monitor	
119	7	Highest 24-hour reading within the year	
126	7	2nd Highest 24-hour reading within the year	
133	7	3rd Highest 24-hour reading within the year	
140	7	4th Highest 24-hour reading within the year	
147	4	Number of measured 24-hour exceedances	
151	7	Estimated number of exceedances of the 24-hour standard	
158	7	Arithmetic Mean	
165	1	Annual summary criteria indicator	'*' Indicates that summary criteria was not met.
166	3	Method Code used	'000' indicates that more than 1 method was used for the year
169	1	Certification Indicator	
170	4	Reporting Organization Code	The agency that was defined as the "Reporting Organization" at the beginning of the year for the monitor.
174	4	Actual number of observations	If the duration is X, it obtains the corresponding 1-hour observation count from the ANNUAL_SUMMARIES table.

PM 2.5 WORK FILE FORMAT

Start Position	Field Length	Field Name	Notes
1	2	State Code	
3	3	County Code	
6	4	Site Id	
10	5	Parameter Code	'81102'
15	2	POC	
17	1	Exceptional Event Type	0 – No exceptional events 1 – Exceptional events excluded 2 – Exceptional events included
18	1	Duration Code	X – 24-Hour averaged sample 7 – 24-hour samples
19	4	Year	
23	3	Unit Code	
26	2	EPA Region Code	
28	3	Air Quality Control Region code	
31	4	Metropolitan Statistical Area code	
35	4	Urban Area code	
39	5	FIPS City Code	
44	40	Address	
84	10	Latitude	Degrees of latitude expressed in +/- DD.DDDDDD
94	11	Longitude	Degrees of longitude expressed in +/- DDD.DDDDDD
105	4	Number of observations obtained during the year	
109	7	Highest 24-hour reading within the year	
116	7	2nd Highest 24-hour reading within the year	
123	7	3rd Highest 24-hour reading within the year	
130	7	4th Highest 24-hour reading within the year	
137	4	98th Percentile Value	
141	7	Arithmetic Mean	
148	1	Annual summary criteria indicator	'*' Indicates that summary criteria was not met.
149	2	Number of methods used by the monitor	
151	1	Certification Indicator	
152	3	Method Code used	'000' indicates that more than 1 method was used for the year
155	4	Reporting Organization Code	The agency that was defined as the "Reporting Organization" at the beginning of the year for the monitor.
159	4	Actual number of observations	If the duration is X, it obtains the corresponding 1-hour observation count from the ANNUAL_SUMMARIES table.

SULFUR DIOXIDE WORK FILE FORMAT

Start Position	Field Length	Field Name	Notes
1	2	State Code	
3	3	County Code	
6	4	Site Id	
10	5	Parameter Code	'42401'
15	2	POC	
17	1	Exceptional Event Type	0 – No exceptional events 1 – Exceptional events excluded 2 – Exceptional events included
18	1	Duration Code	
19	4	Year	
23	3	Unit Code	
26	2	EPA Region Code	
28	3	Air Quality Control Region code	
31	4	Metropolitan Statistical Area code	
35	4	Urban Area code	
39	5	FIPS City Code	
44	40	Address	
84	10	Latitude	Degrees of latitude expressed in +/- DD.DDDDDD
94	11	Longitude	Degrees of Longitude expressed in +/- DDD.DDDDDD
105	4	Number of 1-hour Observations	
109	7	Highest 24-hour reading within the year	
116	7	2nd Highest 24-hour reading within the year	
123	7	Highest 3-hour reading within the year	
130	7	2nd Highest 3-hour reading within the year	
137	7	Highest 1-hour reading within the year	
144	7	2nd Highest 1-hour reading within the year	
151	4	Number of 24-hour exceedances	
155	4	Number of 3-hour exceedances	
159	7	Arithmetic Mean of the 1-hour data	
166	1	Annual Criteria Flag	'*' Indicates that summary criteria was not met.
167	3	Method Code used	'000' indicates that more than 1 method was used for the year
170	1	Certification Indicator	Based on the certification of the 1-hour data
171	4	Reporting Organization Code	The agency that was defined as the "Reporting Organization" at the beginning of the year for the monitor.

SUSPENDED PARTICULATE (TSP) WORK FILE FORMAT

Start Position	Field Length	Field Name	Notes
1	2	State Code	
3	3	County Code	
6	4	Site Id	
10	5	Parameter Code	'11101'
15	2	POC	
17	1	Exceptional Event Type	0 – No exceptional events 1 – Exceptional events excluded 2 – Exceptional events included
18	1	Duration Code	
19	4	Year	
23	3	Unit Code	
26	2	EPA Region Code	
28	3	Air Quality Control Region code	
31	4	Metropolitan Statistical Area code	
35	4	Urban Area code	
39	5	FIPS City Code	
44	40	Address	
84	10	Latitude	Degrees of latitude expressed in +/- DD.DDDDDD
94	11	Longitude	Degrees of longitude expressed in +/- DDD.DDDDDD
105	4	Number of Observations	
109	7	Highest reading within the year	
116	7	2nd Highest reading within the year	
123	7	3rd Highest reading within the year	
130	7	4th Highest reading within the year	
137	7	Annual Arithmetic Mean	
144	1	Annual Criteria Flag	'**' Indicates that summary criteria was not met.
145	7	Annual Geometric Mean	
152	7	Annual Geometric Standard Deviation	
159	3	Method Code used	'000' indicates that more than 1 method was used for the year
162	1	Certification Indicator	
163	4	Reporting Organization Code	The agency that was defined as the "Reporting Organization" at the beginning of the year for the monitor.

NON-CRITERIA PARAMETER WORK FILE FORMAT

<u>Field Name</u>	<u>Field Length</u>
STATE_CODE	2
COUNTY_CODE	3
SITE_CODE	4
PARAMETER_CODE	5
POC	2
EXC1	1
DURATION_CODE	1
YEAR1	4
UNIT_CODE	3
REGION_CODE	2
AQCR_CODE	3
MSA_CODE	4
UAR_CODE	4
CITY_CODE	5
ADDRESS	40
LAT	10
LON	11
OBS_CNT	4
MAX1	7, scale
MAX2	7, scale
MAX3	7, scale
MAX4	7, scale
MEAN	7
CRI_IND	1
