

Coso Junction PM10 Planning Area Second 10-Year Maintenance Plan

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EXECUTIVE SUMMARY

The federal Clean Air Act (CAA) requires that an area redesignated attainment from nonattainment status for any of the National Ambient Air Quality Standards (NAAQS) must submit a maintenance plan for ensuring the NAAQS will be met for a 10-year period following the redesignation. Section 175A of the Clean Air Act Amendment requires redesignated areas to submit a second maintenance plan to the United States Environmental Protection Agency (US EPA) eight years after the first plan has been approved in order to demonstrate continued maintenance of the NAAQS for the subsequent 10-year period.

The Coso Junction PM10 Planning Area was redesignated as attainment for the PM10 NAAQS by the US EPA on July 29, 2010. The primary source of the PM10 impacts in the area has historically been windblown dust emissions from Owens Lake, located within the adjacent Owens Valley PM10 Planning Area. With jurisdiction over both the Coso Junction and Owens Valley PM10 Planning Areas, the Great Basin Unified Air Pollution Control District (District) adopted numerous measures to control emissions from Owens Lake. These permanent and enforceable emission reductions resulted in the redesignation of the Coso Junction PM10 Planning Area. Concurrent with redesignation, the US EPA approved the Coso Junction PM10 Maintenance Plan. That first 10-year maintenance plan expired in 2020.

This Coso Junction PM10 Planning Area Second 10-Year Maintenance Plan (“Plan”) fulfills the CAA requirements for a second 10-year maintenance plan to demonstrate continued maintenance of the NAAQS for the 10-year period following the expiration of the first maintenance plan. This Plan contains the required background information on existing air quality, an updated emission inventory, verification of continued attainment, a commitment to maintaining monitoring network integrity, a description of the existing control strategy, and a contingency plan.

This Maintenance Plan relies on updated, but comparable, control and contingency measures to those that brought the area into attainment and supported the initial maintenance plan. These control measures include: control of particulate emissions from Owens Lake, stationary source controls, and District rules and regulations to control sources of PM10. This Plan takes a two-tiered approach to address contingencies, depending on the cause of the NAAQS violation, including: specific contingency measures to be adopted and implemented, and a commitment and specific timeframe within which to adopt additional measures beyond those identified in the Plan, if necessary, to maintain the standard in the future.

The Coso Junction PM10 Planning Area Second 10-Year Maintenance Plan fulfills the CAA requirements for a second 10-year maintenance plan and demonstrates that the area will continue to meet the PM10 standard for the second 10-year period (2020-2030), following the expiration of the first 10-year maintenance plan.

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GLOSSARY

BACM	Best Available Control Measure
BACT	Best Available Control Technology
CA	California
CAA	Clean Air Act
CARB	California Air Resources Board
CFR	Code of Federal Regulations
CH&SC	California Health and Safety Code
District	Great Basin Unified Air Pollution Control District
Federal Standard	National Ambient Air Quality Standard
FR	Federal Register
GBUAPCD	Great Basin Unified Air Pollution Control District
NAAQS	National Ambient Air Quality Standards
PM	Particulate Matter
PM10	Particulate Matter of Size Less Than or Equal to 10 Micrometers
PSD	Prevention of Significant Deterioration
SIP	State Implementation Plan
US EPA	United States Environmental Protection Agency
km	kilometers
m/s	meters per second
mph	miles per hour
µg/m ³	micrograms per cubic meter

Coso Junction PM10 Planning Area Second 10-Year Maintenance Plan

1 - Planning Area

The Coso Junction PM10 Planning Area is located in eastern California in the southern portion of Inyo County (Figure 1). Flanked by the Sierra Nevada mountains to the west and the Coso Range to the east, the area is sparsely populated and is an arid high desert that receives less than 5 inches of rain per year. A majority of the Coso Junction PM10 Planning Area is covered by the China Lake Naval Air Weapons Station and is generally restricted from public access. The Coso Junction PM10 Planning Area covers 792 square miles and is located within the jurisdiction of the Great Basin Unified Air Pollution Control District (District). The Coso Junction PM10 Planning Area currently has one active PM10 monitoring site, which is located near the State of California Coso Junction rest area in Rose Valley.

Historically, air pollution in the Coso Junction PM10 Planning Area has been dominated by windblown dust transported from Owens Lake, located north of the Rose Valley, outside the Coso Junction PM10 Planning Area. Owens Lake lies within the Owens Valley PM10 Planning Area, a Serious PM10 nonattainment area. The District has air quality regulatory enforcement authority over both Coso Junction and Owens Valley PM10 Planning Areas. Air pollution from District-permitted facilities within the Coso Junction PM10 Planning Area boundaries has generally not had a significant impact on PM10 concentrations. Stationary sources within the Coso Junction PM10 Planning Area include the Coso geothermal power generation facilities, military operations at the China Lake Naval Air Weapons Station, and volcanic cinder and pumice mining operations.

Particulate matter pollution has infrequently been documented from sources other than Owens Lake. High PM10 concentrations were monitored and documented in 1990 due to windblown dust from abandoned agricultural land; in 2007 from windblown dust from an unpaved truck parking area. The agricultural land, located north of the monitoring site, was stabilized by natural vegetation cover after the land was fallowed in 1991. Since that time no agricultural activities have taken place in the Coso Junction PM10 Planning Area. Dust from the unpaved truck parking area, located adjacent to the PM10 monitor site, was mitigated by gravel cover in 2008 and then asphalt pavement in 2009. Flash flooding in July 2013 caused silt and soil to be deposited on the valley floor that dried and became a source of PM10 emissions. Vegetation has begun to reestablish on the emissive silt deposit areas and should provide reasonable control in the next several years.

2 - Clean Air Act Regulatory History

The Coso Junction PM10 Planning Area was initially designated as a PM10 nonattainment area in 1987 along with the Indian Wells Valley and the Trona area in the Searles Valley. Together they comprised what was then known as the Searles Valley PM10 nonattainment area as shown in Figure 2. In November 1991, the District adopted a State Implementation Plan (SIP) for the Coso Junction portion of the Searles Valley PM10 nonattainment area (GBUAPCD, 1991). This was followed by air quality plans for the Indian Wells Valley and Trona, which were regulated by the Kern County Air Pollution Control District and the Mojave Desert Air Quality Management District (formerly San Bernardino County Air Pollution Control District), respectively.

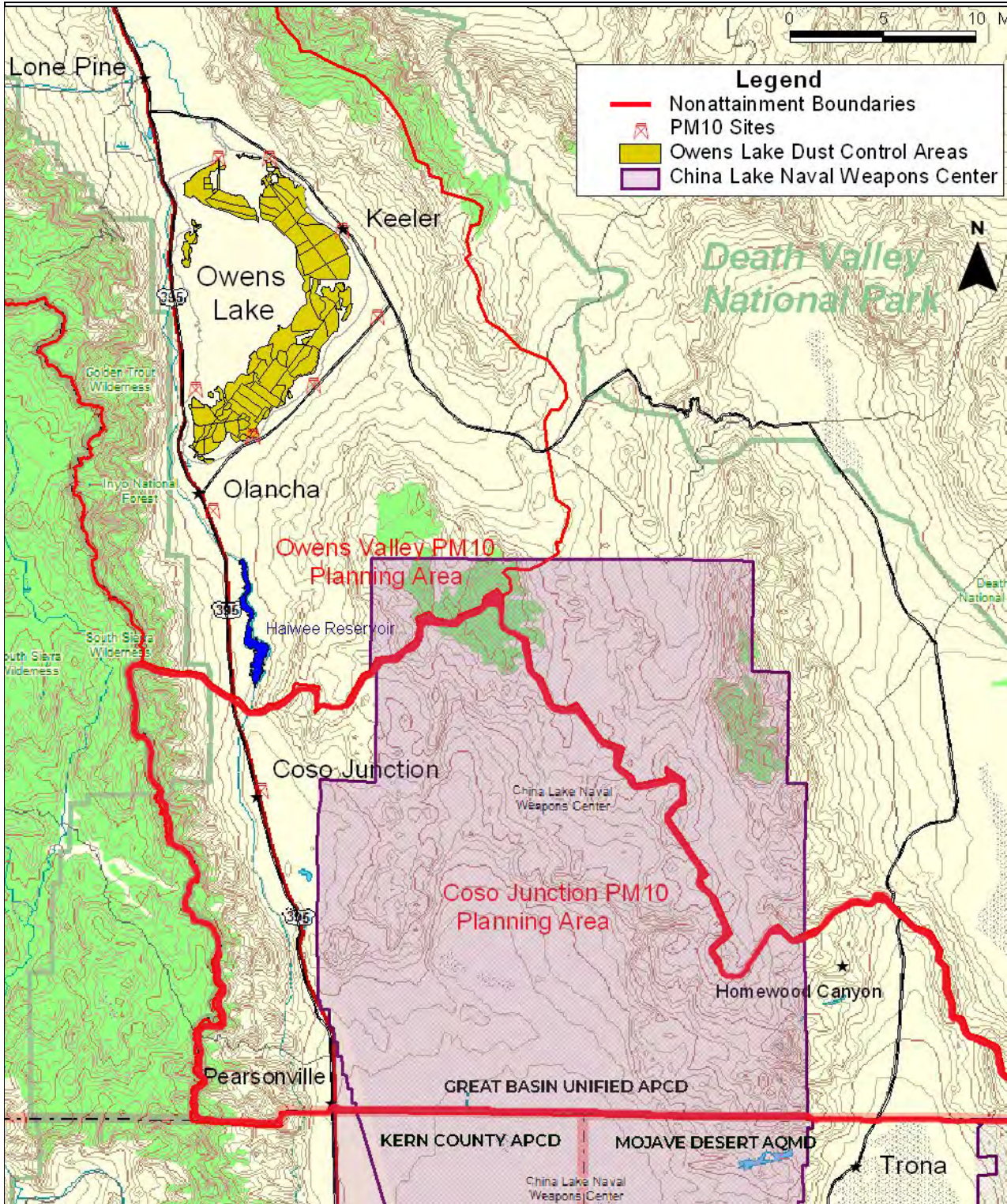


Figure 1. Coso Junction PM10 Planning Area Map

The Coso Junction PM10 Planning Area is in the southern portion of Inyo County, California. A majority of the PM10 planning area is covered by the China Lake Naval Air Weapons Station, which has restricted access for the general public.

In August 2002, the US EPA reclassified the Searles Valley into three separate PM10 areas, all of which were designated nonattainment. Under this regulatory action, Coso Junction and the Indian Wells Valley were classified as Moderate PM10 nonattainment areas, and a finding of attainment was made for Trona (Federal Register, 2002a, 2002b). In 2003, the Indian Wells Valley was reclassified as attainment with US EPA’s approval of the Moderate Area SIP and Maintenance SIP (Federal Register, 2003a and 2003b).

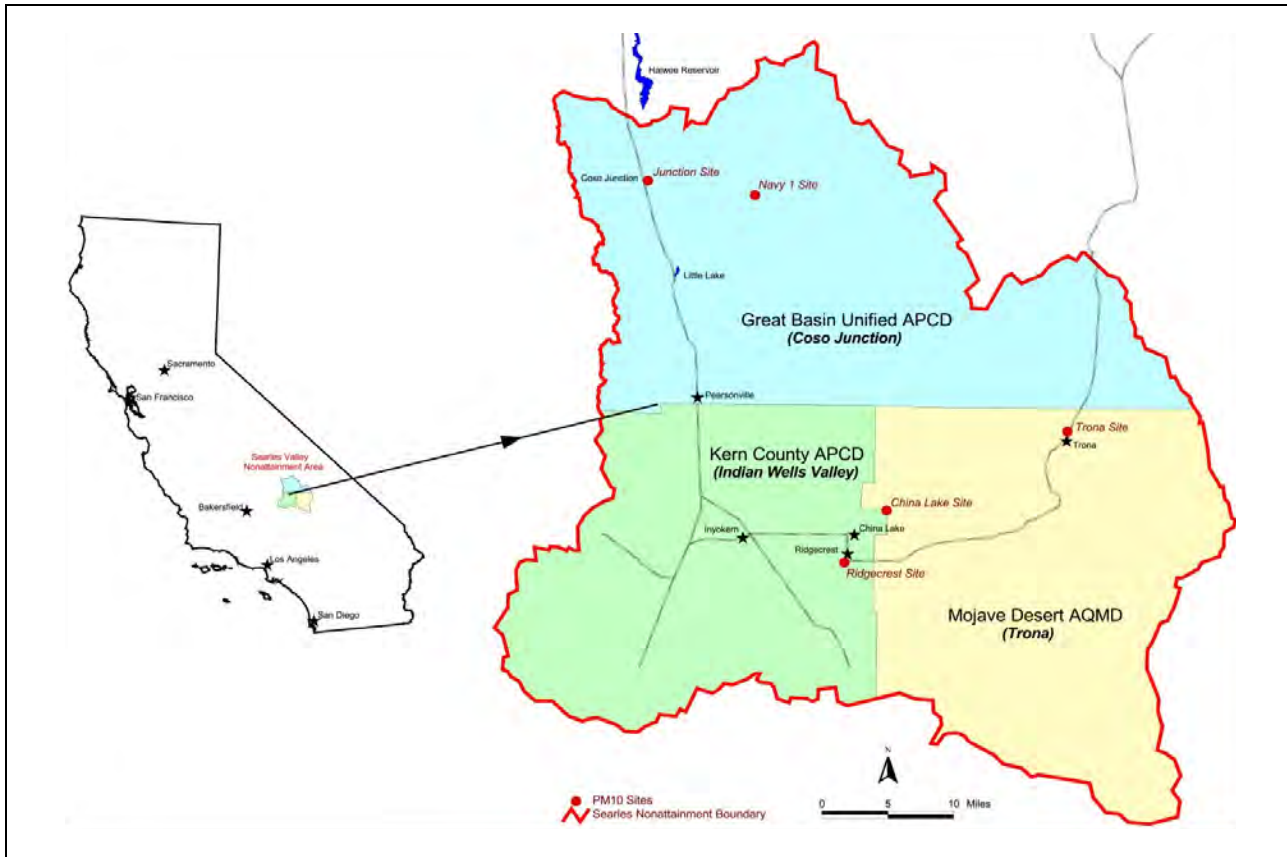


Figure 2. Former Searles Valley PM10 Planning Area Map

The Searles Valley PM10 Nonattainment Area was reclassified into three separate planning areas in 2002. The Indian Wells Valley and the Trona PM10 Planning Areas were classified attainment for the federal PM10 standard in 2002 and 2003.

In November 2004, the District adopted a SIP revision for the Coso Junction PM10 Planning Area. The Coso Junction attainment demonstration was based on controlling dust from Owens Lake, which was scheduled to implement dust control measures on 29.8 square miles of the lakebed by December 31, 2006. The 2004 Coso Junction SIP included a CALPUFF dispersion model analysis that demonstrated that after dust controls were implemented at Owens Lake at the end of 2006, the Coso Junction PM10 Planning Area would be in attainment. However, an additional 3 years of data collection and monitoring were needed to demonstrate the Coso Junction PM10 Planning Area had attained the federal PM10 standard. The forecasted compliance with the federal PM10 standard was achieved in 2010. On September 3, 2010, the US EPA redesignated the Coso Junction PM10 Planning Area as attainment for

the federal PM10 standard and approved the District-prepared 2010 Coso Junction PM10 Maintenance Plan (Federal Register, 2010).

In December 2013, the District Governing Board adopted and approved a revision of the 2010 Maintenance Plan. This 2013 Amendment to the Coso Junction PM10 Maintenance Plan, came about as a result of revisions to the Owens Valley PM10 State Implementation Plan and District Board Order 080128-01, which specified the dust control requirements in the adjacent Owens Valley PM10 nonattainment area. District Board Order 080128-01 was incorporated as a necessary maintenance measure in the 2010 Coso Junction PM10 Maintenance Plan, as windblown dust from Owens Lake had historically caused and contributed to exceedances of the federal PM10 standard in the Coso Junction PM10 Planning Area.

Redesignated areas are required to submit a second maintenance plan eight years after the first plan has been approved to demonstrate continued maintenance of the NAAQS during the 10-year period following expiration of the first plan. The first Coso Junction PM10 Maintenance Plan expired in 2020 and this document fulfills the requirements for a second 10-year maintenance plan.

3 - Air Quality

The District began monitoring particulate matter in the Coso Junction area in 1979, operating a high-volume sampler on the EPA federal 1-in-6-day sampling schedule. At that time, the total suspended particulate matter (TSP) EPA standard was in place. In 1985, the District installed high-volume PM10 monitors in the Coso Junction area, two years prior to the revision of the federal PM standard to PM10 in 1987. These monitors operated on the same 1-in-6-day schedule as the TSP monitors. In 1999 the sampling frequency was increased to the federal 1-in-3-day schedule in order to more accurately characterize the PM10 impacts in the area. In 2006, the District determined that continuous monitoring of the PM10 impacts in the Coso PM10 Planning Area was necessary in order to properly characterize the impacts of episodic storm events impacting the area. The District decided to install a Rupprecht & Patashnick (now Thermo Environmental) Tapered Element Oscillating Microbalance (TEOM) PM10 continuous monitor in order to accurately monitor the impacts of these wind-driven PM10 events. The TEOM monitor collects hourly-resolved PM10 data and that, along with the continuous meteorological data, aids the District in defining the sources of PM10 impacting the Coso Junction area.

At present, the District operates one PM10 monitoring station (AQS Site No. 06-027-1001), a designated State and Local Air Monitoring Station (SLAMS), in the Coso Junction PM10 Planning Area. This station is located near the State of California Coso Junction Rest Area in the Rose Valley (Figure 3). The District's monitoring activities in the Coso Junction PM10 Planning Area are conducted in accordance with Title 40 CFR Parts 50, 53, and 58, in order to verify the attainment status of the area and to provide information to the public during air pollution episodes.

Air quality in the Coso Junction PM10 Planning Area is generally excellent with annual average PM10 concentrations less than 20 $\mu\text{g}/\text{m}^3$ over the past ten years. Table 1 presents a list of all the exceedances monitored at the Coso Junction monitoring station since 2010, along with the maximum hourly wind speed and corresponding wind direction, as well as a description of the source of the exceedance. Appendix A contains all Daily Average PM10 concentrations for the Coso Junction PM10 Planning Area and for the surrounding monitoring stations from 2010-2020. Table 2 presents a summary of the data from the District monitors surrounding the Coso Junction PM10 Planning Area from 1985 through 2020 for Coso Junction PM10 Exceedance Days. Finally, Table 3 presents a list of the annual average

PM10 concentrations measured at the Coso Junction monitoring station, including three-year averages, maximum 24-hour concentrations, and the number of exceedances measured each year. As the emissive areas of Owens Lake have been mitigated, the number of monitored and expected exceedances at the Coso Junction station has dropped significantly, from a high of twelve (12) per year, to the current low of one (1) per year.

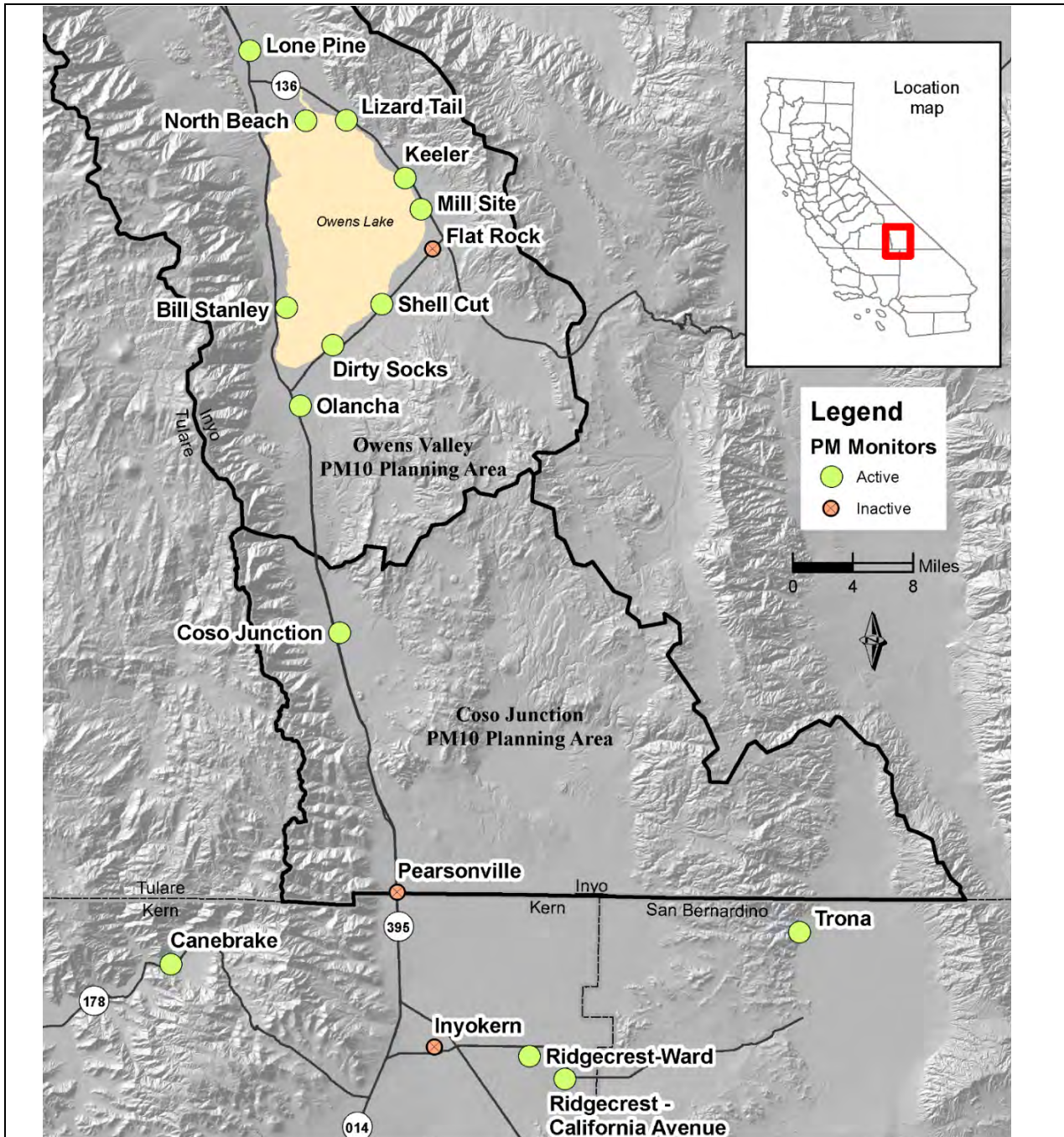


Figure 3. Current and Inactive PM10 monitors in and near the Coso Junction PM10 Planning Area.

Table 1 – Summary of Coso Junction Planning Area PM10 Exceedances 2010-2020

Exceedance Date	PM10 exceedance value (µg/m³)	Maximum hourly wind speed (m/s)	Direction of Max Wind (degrees)	Request Exclusion from NAAQS	Primary Cause of Exceedance
2/8/2011	204	11.32	328	No	North Wind. Regional Event.
11/30/2011	219	18.51	350	No	North Wind. Regional Event.
12/1/2011	189	17.83	344	No	North Wind. Continuing regional event from the north, compounded by Owens Lake emissions, notably Phase 8 pre-gravel.
3/6/2012	173	17.10	275	No	West Wind. Naturally emissive desert playa
8/7/2013	162	11.74	257	Yes	West Wind. Flash flood deposits
9/25/2013	157	12.83	269	Yes	West Wind. Flash flood deposits
2/16/2014	314	17.14	266	Yes	West Wind. Flash flood deposits
4/25/2014	261	20.57	252	Yes	West Wind. Flash flood deposits
12/31/2014	673	17.60	354	No	North Wind. Regional event, compounded by sources south of Owens Lake
11/16/2016	266	19.56	259	No	West Wind. Contributions from local sources and natural sources to the west.
3/31/2017	229	16.51	332	No	North Wind. Regional event from north.
7/29/2017	195	1.14	338	No	Local sources: Paving operation (AQS informational qualifier code “J-Construction”)
12/20/2017	166	16.01	265	No	West Wind. Naturally emissive desert playa
2/11/2018	275	21.31	275	No	West Wind
9/2/2019	156	7.69	156	No	Regional windblown dust / wildfire smoke
9/7/2020	189	10.40	287	Yes	Creek Fire/SQF Complex wildfire smoke (RT)
9/8/2020	553	14.31	352	No	Creek Fire/SQF Complex wildfire smoke followed by regional windblown dust.

The NAAQS allows for one (1) exceedance of the 24-hour PM10 standard per year averaged over a three consecutive calendar year period. A review of daily ambient PM10 monitoring data from Coso Junction showed four (4) monitored exceedances of the federal 24-hour PM10 standard (150 micrograms per cubic meter, $\mu\text{g}/\text{m}^3$) during the three-year period from January 2018 through December 2020, resulting in an average of 1.4 exceedances per year. However, when exceptional events are excluded from the 2018-2020 design value calculation, as provided for in the US EPA Exceptional Events Rule, the resulting design value is 1.0 exceedances per year. Based on the monitoring data and the exceptional events exclusions, the PM10 levels near the monitoring site can be considered to be in attainment with the federal standard. Corroborating hourly data for all PM10 Exceedance Days at Coso Junction including PM10, wind speed and wind direction for 2010-2020 are presented in Appendix B.

The US EPA Exceptional Events Rule defines an Exceptional Event as one that, “affects air quality, is not reasonably controllable or preventable, is caused by a natural event or by human activity that is unlikely to recur at a particular location, and is determined by the US EPA to be an exceptional event.” Ever since the flash flooding that occurred in July 2013, in which silts and sands were carried from the alluvium of the Sierra Nevada and Coso Mountain ranges and deposited on the valley floor, the Rose Valley has experienced PM10 NAAQS exceedances. Foehn winds from the west sweep down the lee side of the Sierra Nevada escarpment, abrading the surface and entraining those deposits, adversely impacting the air quality of the valley. The District requested exclusion under the Exceptional Event Rule for four (4) monitored federal PM10 exceedances (August 7, 2013; September 25, 2013; February 16, 2014; and April 25, 2014) at Coso Junction as the exceedances were associated with emissions from flash flood silt deposits, a natural event that was not reasonably controllable or preventable. The District provided a demonstration analysis and documentation and initial notification to request exclusion of data affected by the four events. The analysis showed the events affected air quality in such a way that there exists a clear causal relationship between the specific event and the monitored exceedances. The US EPA determined the events to be of no regulatory significance and deferred review of the events for consideration as exceptional. Subsequently, the District is submitting a demonstration analysis and documentation and initial notification to request exclusion of data for the September 7, 2020, monitored federal PM10 exceedance due to wildfire smoke impacts (GBUAPCD, 2021). This event was documented, publicly noticed, and is being submitted concurrently in a separate document to the California Air Resources Board (CARB) and the US EPA.

Table 2. Coso Junction Expected Number of PM10 Exceedances

Year	Annual Average PM10 (µg/m³)	3-Year Average PM10 (µg/m³)	Maximum 24-Hour PM10 (µg/m³)	Number of Exceedances	Expected Number of Exceedances	Expected # of Exceedances Excluding Exceptional Events	Number Sample Days
1985	Invalid		307	1			49
1986	51.51		1175	2	12	12	58
1987	33.62		196	1	6	6	59
1988	22.12	35.75	92	0	0	0	59
1989	27.50	27.74	227	1	6	6	61
1990	29.37	26.33	866	1	6	6	60
1991	18.80	25.22	93	0	0	0	60
1992	Invalid		38	0			36
1993	28.78		254	2	12	12	59
1994	16.69		388	1	6	6	61
1995	32.28	25.92	692	2	12	12	58
1996	Invalid		309	1			51
1997	Invalid		92	0			54
1998	23.31		409	1	6	6	59
1999	14.84		46	0	0	0	114
2000	15.02	17.72	74	0	0	0	110
2001	11.88	13.91	100	0	0	0	122
2002	18.04	14.98	175	1	3	3	115
2003	20.54	16.82	484	1	3	3	121
2004	14.89	17.82	66	0	0	0	121
2005	18.24	17.89	97	0	0	0	119
2006	20.72	17.95	296	1	1	1	273
2007	19.91	19.62	283	2	2	2	363
2008	18.63	19.75	137	0	0	0	366
2009	18.59	19.04	168	1	1	1	362
2010	14.81	17.34	58	0	0	0	153
2011	18.32	17.24	219	3	3	3	365
2012	15.72	16.28	173	1	1	1	366
2013	18.92	17.65	162	2	2	0	336
2014	21.07	18.57	673	3	3	1	357
2015	15.55	18.51	121	0	0	0	365
2016	17.47	18.03	266	1	1	1	366
2017	19.38	17.46	229	2	2	1	353
2018	16.97	17.94	275	1	1	1	351
2019	14.33	16.89	156	1	1	1	344
2020	22.63	19.97	553	2	2	1	349

Notes: Sampling schedule was 1:6 from 1979-1998; 1:3 from 1999-2006; and continuous sampling from 2006- present.

Table 3. Summary of Surrounding PM10 Monitoring Data for Coso Junction Planning Area PM10 Exceedances Days 1985-2020

Shaded cells are PM 10 Exceedances with values > 150 µg/m³.

Exceedance Date	Coso Junction Planning Area			Indian Wells Valley, Kern County, and Trona					Owens Valley Planning Area									
	Coso Junction	Navy One	Pearsonville	Ridgecrest CA Ave	Ridgecrest Ward	Canebrake	Trona	Inyo-kern	Keeler	Olancho	Lizard Tail	Lone Pine	Dirty Socks	Mill Site	Flat Rock	North Beach	Bill Stanley	Shell Cut
4/25/1985	307											92						
4/2/1986	1175											95						
6/7/1986	157											44						
1/15/1987	196								100			25						
2/3/1989	227	101							1861			126						
4/23/1990	866	94								200								
10/26/1993	254		131	16				59	112	346								
12/23/1993	188		50	18				9	412	185		58						
1/5/1994	388		239	75					199	365		76						
4/8/1995	692		392	235					158	128		107						
4/9/1995		567							331	2252		52						
4/21/1995	337	268							51	119		16						
4/27/1996	50	18	176	92				81	65	657		28						
5/23/1996	309		132	31				79	259	42		34						
3/6/1998	91	246							305	33		42						
3/18/1998	409	49							46	228								
7/25/2002	175								87	71		64	75		100			90
2/2/2003	484								484	1062		116	10933		395			9162
12/28/2006	296								2101	428		126	104		735			94
6/5/2007	217				35		110		159	55		71	68		508		55	182
12/6/2007	283						701		13	38		15	29		10		17	16
12/22/2009	168						141		236	76	219	42	17		217	192	20	34
2/8/2011	204			143		23			520	642	155	130	780		233	308	277	150
11/30/2011	219						93		524	779	462	104	182	454		202	179	175
12/1/2011	189						106		13380	124	3444	107	170	552		484	66	
3/6/2012	173								612	278	734		858	491		1535	71	549
8/7/2013*	162						40		51	18	42	23					18	36
9/25/2013*	157			50			117		120	25	21	20					12	16
2/16/2014*	314			14		9	15		16	13	12	9					11	8
4/25/2014*	261						39		130	53	48	19					61	108
12/31/2014	673			40		6	21		1015	233	99	29	48	776		229	17	41
11/16/2016	266						86		249	246	446	122	53	99		284	45	77
3/31/2017	229						63		1170	810	1222	48	240	376		615	76	167
7/29/2017	195								15	19	15	14	16	11		13	16	16
12/20/2017	166				60		216		97		192	54	30	67		172	21	90
2/11/2018	275				107		87		196	103	197	100	151	148		66	154	126
9/2/2019	156					54			113	134	123	45	132	101		133	85	122
9/7/2020*	189					133	95		86	234	58	68	74	84		55	62	66
9/8/2020	553					401	169		529	282	520	439	526	501		374	357	500

Notes: 1)**** indicates requested exceptional event. 2)Sampling schedule was 1:6 from 1979-1998; 1:3 from 1999-2006; and continuous sampling from 2006-present.

4 - Emissions Inventory

Table 4 presents a summary of the PM10 emissions inventory update for the Coso Junction PM10 Planning Area for the period of 2020 through 2030. The inventory includes the following categories: stationary sources; entrained dust from vehicle travel; windblown dust from unpaved roads; windblown dust from open areas; and mobile sources. The total PM10 emissions generated in the Coso Junction PM10 Planning Area are estimated at approximately 37 tons per day.

The PM10 emissions inventory for the Coso Junction PM10 Planning Area was last updated in 2010 for the Coso Junction PM10 Planning Area redesignation request and the first 10-year maintenance plan. The 2010 Maintenance Plan included annual average PM10 emissions from stationary sources, area sources (entrained dust from travel on paved and unpaved roads), and on-road mobile sources, but did not include windblown dust emissions from the desert-like open areas. Restricting emission inventories to anthropogenic sources was commonly done previously, although more recent regulatory emission inventories include all PM10 sources. The emissions methodologies used in the 2010 Maintenance Plan were reviewed and used to inform the development of this inventory update. Where appropriate, the previous methodologies for the other sources have been updated. The methodology and data used to calculate emissions are discussed in more detail in Appendix C.

The major difference between the previous 2010 Maintenance Plan inventory and this inventory is the inclusion of Coso Junction PM10 Planning Area windblown dust sources, consisting mostly of desert shrublands. Windblown dust emissions were calculated using the methodology utilized and approved by the US EPA in the 2016 Owens Valley Planning Area PM10 State Implementation Plan (GBUAPCD, 2016). Updating the inventory to include windblown dust was necessary and appropriate in order to accurately quantify the emissions for the area, as a majority of the PM10 planning area is open desert shrubland.

Table 4 shows the annual average emissions in the 2010 Maintenance Plan Inventory (2008) and the current inventory (2020 and 2030). Excluding windblown dust, the baseline emissions decreased from 0.74 tons per day in 2010 to 0.56 tons per day in 2020. The stationary source annual average daily emissions are lower than the 2010 Maintenance Plan inventory for 2008, due to incorporating the latest permitting information and adding a standard precipitation adjustment for facility-related unpaved road emissions. With the inclusion of windblown dust, the total emission rate in 2020 is approximately 37 tons per day. The emission estimates from windblown dust from open areas constitutes over 98% of the updated inventory. The total annual average PM10 inventory from 2020 to 2030 is expected to remain essentially constant throughout that period as emissions from each of the major emission source categories are expected to remain essentially constant.

Table 4. Emissions Inventory Summary for the Coso Junction PM10 Planning Area

Emission Source	2010 Maintenance Plan – 2008 (tons/day)	Current Inventory - 2020 (tons/day)	Current Inventory - 2030 (tons/day)
Stationary Sources	0.64	0.49	0.49
Entrained Dust from Vehicle Travel	0.09	0.06	0.06
Mobile Sources	0.01	0.01	0.01
Total	0.74	0.56	0.56
Windblown Dust – Unpaved Roads	--	0.11	0.11
Windblown Dust – Open Areas	--	36.34	36.34
Total Including Windblown Dust	--	37.01	37.01
<u>Notes:</u>			
1. Total emissions are provided with and without windblown dust from unpaved roads and open areas, as windblown dust sources were not included in the 2010 Coso Junction PM10 Planning Area Maintenance Plan.			
2. Totals may not add up due to rounding.			

4.1 Stationary Source Emissions

Stationary source types in the Coso Junction PM10 Planning Area include mineral processing facilities, geothermal power generation facilities, and military operations. The point source emission estimates were developed from information contained in current District and federal Title V permit files as well as reporting from facilities. Unpaved road and haul road emissions for permitted sources are included in the daily emissions for each facility. For the purpose of the maintenance plan, no significant growth or increase in stationary source emissions is expected in the emissions inventory through the year 2030. This assumption is reasonable considering the District has no knowledge of any planned expansions at the existing stationary source facilities in the Coso Junction PM10 Planning Area and does not anticipate that any new facilities would be significant sources of PM. This is supported by the fact that more than 97% of the land in the Coso Junction PM10 Planning Area is federally controlled and very little of the remaining land is undeveloped and/or zoned for commercial/industrial uses that would support a large stationary source operation.

4.2 Fugitive Emissions: Entrained Dust from Vehicle Travel

Vehicles traveling along roads generate PM10 emissions when dust on the roadways is disturbed by vehicle activity and re-entrained into the air. Because paved and unpaved roads differ in various physical characteristics, emissions from each road type are often calculated separately.

For entrained paved road dust, emissions were calculated based on the California Air Resources Board’s California Emissions Projection Analysis Model (CEPAM) 2016v1.05 emission inventory for paved road dust in Inyo County. The fraction of total paved road length in the Coso Junction PM10 Planning Area to total paved road length in Inyo County was determined using GIS data and then used to estimate the PM10 emissions from paved road travel in the Coso Junction PM10 Planning Area. Additional details on this calculation are provided in Appendix C.

The estimate of PM10 emissions from re-entrained road dust from unpaved roads is based on the methodology in US EPA’s Compilation of Air Pollution Emission Factors, AP-42, Section 13.2.2, Equation 1b (US EPA, 2006) where:

$$E = \frac{k \left(\frac{s}{12}\right)^a \left(\frac{S}{30}\right)^d}{\left(\frac{M}{0.5}\right)^c} - C$$

Where:

- E: PM₁₀ emission factor (lb/VMT)
 - k: particle size multiplier (1.8 lb/VMT for PM₁₀, as defined in AP-42, Section 13.2.2)
 - s: silt content of surface material (5%, measured in Keeler, CA; both Keeler and Rose Valley, which includes Coso Junction, are located in the same Owens Valley formation and the sedimentary composition of the two areas is expected to be similar)
 - S: mean vehicle speed (30 mph, 2010 Maintenance Plan)
 - M: moisture content of surface material (0.3%, conservative assumption)
 - C: emission factor for 1980’s vehicle fleet exhaust, tire wear, and brake wear (0.00047 lb/VMT)
- For PM10 from public unpaved roads: $k = 1.8$, $a = 1$, $d = 0.5$ and $c = 0.2$

Using this equation, an emission factor of 0.83 lbs./VMT was obtained. The standard precipitation adjustment factor was also applied, according to Equation 2 from AP-42, Section 13.2.2 (US EPA, 2006):

$$E_{ext} = E \frac{365 - P}{365}$$

Where,

- E_{ext}: emission factor with precipitation adjustment (lb/VMT)
- E: PM₁₀ emission factor (lb/VMT)
- P: number of days in a year with at least 0.254 mm (0.01 in) of precipitation

Using this equation, an adjusted emission factor of 0.76 lbs./VMT was obtained. The emissions were then calculated by applying this factor to the estimated vehicle traffic on unpaved roads in the Coso Junction PM10 Planning Area. Vehicle traffic on unpaved roads was calculated assuming an average of 2 trips per day along 50 miles of regularly traveled unpaved public roads in the Coso Junction PM10 Planning Area, consistent with the 2010 Maintenance Plan. This assumption is reasonable considering the sparse population of the area and the fact that most of the unpaved roads in the Coso Junction PM10 Planning Area are through federally controlled land where access, development, or both are restricted. Full details on the calculation of the emission factor are presented in Appendix C, along with the total entrained road dust emission estimates for paved and unpaved roads throughout the maintenance period of 2020 to 2030.

4.3 Fugitive Emissions: Windblown Dust – Unpaved Roads

Windblown dust is generated when winds move across surfaces including open areas and unpaved roads. Windblown dust was not included in the 2010 Maintenance Plan. However, this inventory update includes potential windblown dust emissions from all unpaved roads and open areas across the Coso Junction PM10 Planning Area to maintain consistency with other planning areas in Inyo County, based on the methodology used in the 2016 Owens Valley Planning Area PM10 State Implementation Plan (GBUAPCD, 2016).

Windblown dust from unpaved roads was estimated by applying an emission factor to the estimated area of unpaved roads in the Coso Junction PM10 Planning Area. An emission factor of 0.0241 tons/acre/year for “Barren” land uses was applied to the unpaved roadway area of the estimated 675 miles of unpaved roads in the Coso Junction PM10 Planning Area, with an assumed roadway width of 20 feet. The emission factor for barren land is consistent with the 2016 Owens Valley Planning Area PM10 State Implementation Plan (GBUAPCD, 2016). The methodologies used for calculating PM10 emissions from windblown dust from unpaved roads and open areas are described in detail in Appendix C. As the Coso Junction PM10 Planning Area is sparsely populated and the majority of unpaved roads are through federally controlled land where access, development, or both are restricted, emissions are assumed to remain constant throughout the maintenance period of 2020 to 2030.

4.4 Fugitive Emissions: Windblown Dust – Open Areas

The rate of PM₁₀ emissions from windblown dust over open areas varies depending on the type of land use, as some surfaces are more emissive than others. The main land use types in the Coso Junction PM10 Planning Area with the potential to emit PM₁₀ are developed/urban areas, shrublands, forests, and barren land. The area of each of these land use types was estimated using the 2011 National Land Cover Database and was adjusted to remove acreage related to unpaved roads as emissions from those areas are already counted.

Emission factors were multiplied by the acreages of their corresponding land use types to calculate the PM10 emissions. The emission factors used were consistent with those in the 2016 Owens Valley Planning Area PM10 State Implementation Plan (GBUAPCD, 2016) and are described in Appendix C. Given that the overwhelming majority of the land within the Coso Junction PM10 Planning Area is under federal control and development in most of those areas is restricted, land use in the Coso Junction PM10 Planning Area is expected to stay relatively the same during the maintenance period of 2020 to 2030; as a result, emissions are assumed to remain constant during this period.

4.5 Mobile Source Emissions

Direct PM10 emissions from on-road mobile sources (i.e., tailpipe, tire wear, and brake wear) were calculated using CARB’s EMFAC2017 model for the portion of the Coso Junction PM10 Planning Area in Inyo County. Off-road mobile sources include planes, trains, farm and construction equipment. Per CEPAM, the off-road mobile source inventory for Inyo County in 2020 is 0.017 tons/day. Approximately half of these emissions are aircraft emissions, which are identified as exclusively commercial. Given the low population in the Coso Junction PM10 Planning Area (less than 1% of the population of Inyo County) and that there is no commercial airport or identified agricultural acreage in

the Coso Junction PM10 Planning Area, off-road mobile sources were excluded as negligible. The on-road mobile source emissions are not forecasted in EMFAC2017 to appreciably change in future years.

4.6 Emissions Growth Forecast

The 2010 US census showed a population of 61 people living in the Coso Junction PM10 Planning Area in the communities of Pearsonville and Homewood Canyon, representing about 0.3% of the total population of Inyo County (US Census Bureau, 2019). This population count was a decrease from the 2000 US census which showed a population of 102 people for the area. Any future growth in the Coso Junction PM10 Planning Area would be limited by the fact that more than 97% of the land is federally controlled and development of most of those areas are restricted. In addition, any substantive development on federal lands is subject to general conformity requirements under District Regulation XIII. Due to these reasons, the emissions inventory is projected to remain relatively constant over the 2020-2030 maintenance period.

5 - Maintenance Demonstration

Per US EPA guidance (Calcagni, 1992) a maintenance plan may demonstrate future maintenance of the NAAQS through demonstration with a projected emissions inventory or by modeling to show that the future mix of sources and emissions rates will not cause a violation of the NAAQS. The Coso Junction PM10 Planning Area second 10-year maintenance plan utilizes projected emissions inventory to demonstrate future maintenance of the NAAQS. The projected emissions indicate the Coso Junction PM10 Planning Area will stay in compliance through the second 10-year maintenance period, as the total annual average daily PM10 inventory from 2020 to 2030 is expected to remain effectively constant throughout that period, and with the 2020 inventory the area is in attainment of the NAAQS.

6 - Existing Control Strategy

The existing control strategy for the Coso Junction PM10 Planning Area is comprised of three measures to ensure permanent and enforceable emissions reductions: control of particulate emissions from Owens Lake, controls on stationary sources, and additional district rules and regulations to control sources of PM10. This strategy has not only led the area to attainment but will also ensure its continued maintenance of the standard as none of these control measures will be relaxed or rescinded under this Plan.

6.1 Control of Particulate Emissions from Owens Lake

District Rule 433, Control of Particulate Emissions at Owens Lake establishes and defines the requirements, performance standards, and the areal extent of dust controls on Owens Lake. As of December 31, 2017, the City of Los Angeles Department of Water and Power is required to continuously operate and maintain Best Available Control Measure Technology on 48.6 square miles of Owens Lake. The District is required to maintain programs to monitor and enforce continued operation and maintenance of the required dust controls in order to attain the NAAQS for the Owens Valley PM10 Planning Area. District Rule 433 provides a federally enforceable regulatory mechanism to ensure continued success in the established control strategy. These provisions and regulatory mechanism also act as a control strategy for the Coso Junction PM10 Planning Area, ensuring that emissions from Owens Lake do not cause or contribute to exceedances in the Coso Junction PM10 Planning Area.

For the 2010 Maintenance Plan, the total daily PM10 emissions generated in the Coso Junction PM10 Planning Area were estimated to equate to less than 0.1% of the emissions caused by windblown dust from Owens Lake (GBUAPCD, 2010). When compared to 2006 emissions, the existing 48.6 square miles of controls at Owens Lake have resulted in a projected emission reduction of 57,900 tons per year by the end of 2017 (GBUAPCD, 2016). Figure 4 shows the estimated annual PM10 emissions reductions that have been achieved through controls at Owens Lake.

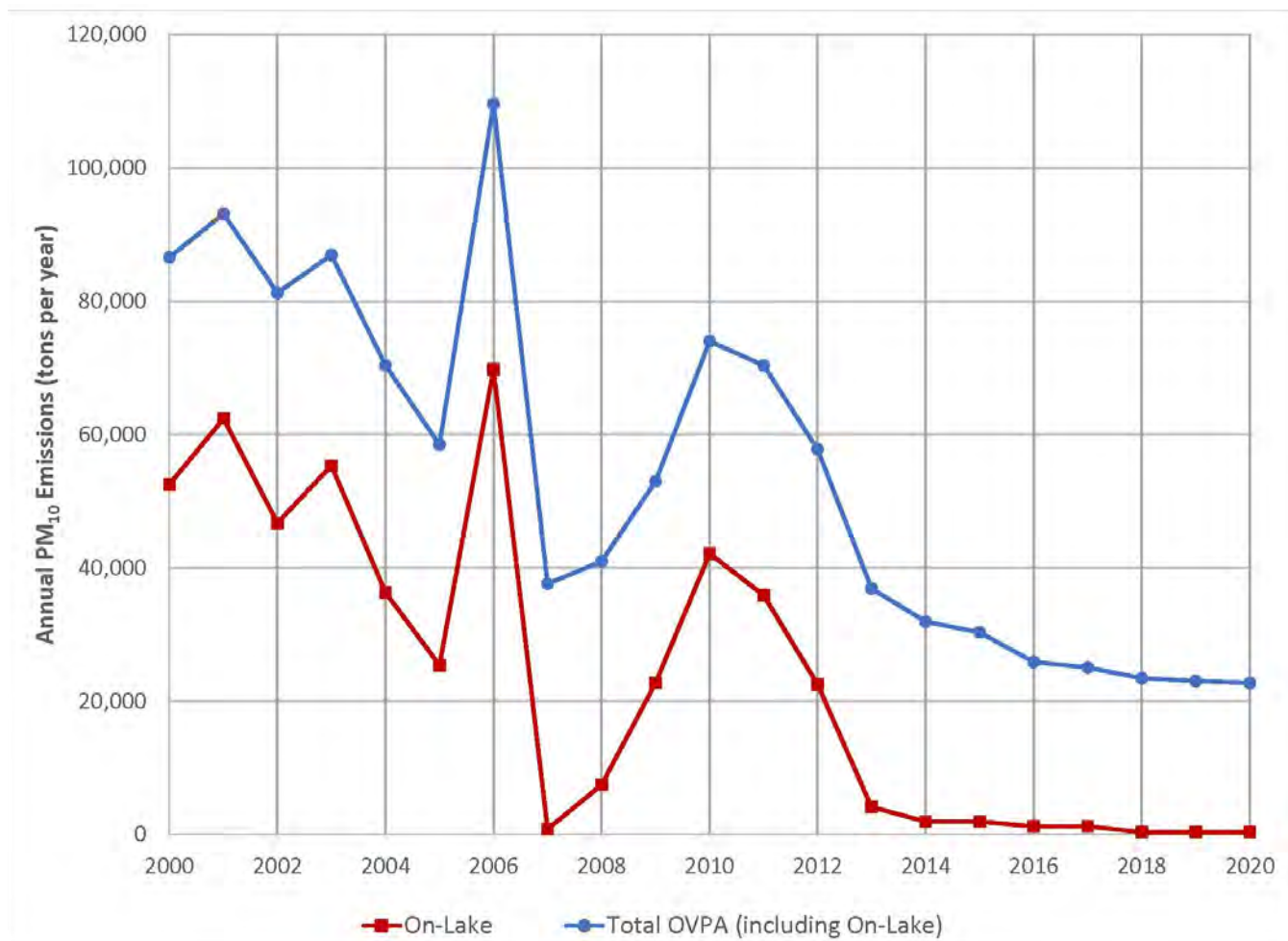


Figure 4. Owens Valley PM10 Planning Area Annual PM10 Emissions

6.2 Controls on Stationary Sources

To prevent new stationary sources from causing air pollution problems in the future, any new facilities or major modifications in the Coso Junction PM10 Planning Area that may emit air pollution will be subject to the District’s new source review rules in this Plan (District Rules 209-A and 216). Facilities that qualify as major sources under the US EPA federal permitting guidelines will also be subject to federal Prevention of Significant Deterioration (PSD) permitting requirements. New minor sources or sources undergoing minor modifications must obtain District Permits-to-Operate, which include provisions to ensure protection of and compliance with the NAAQS.

6.3 Additional District Rules and Regulations to Control Sources of PM10

Sources other than Owens Lake and permitted stationary sources that contribute PM10 are subject to additional District rules and regulations to control PM10 emissions. Certain key sources of PM10 such as forest management burning, conservation management practices, and fugitive dust emissions from unpaved roads and properties are subject to existing District Rules in this Plan (see Table 5).

Table 5. Existing District Rules and Regulations in this Plan to Control Sources of PM10

District Rule	Description	SIP-Approval Federal Register Citation
209-A	Standards for Authorities to Construct. Requires new sources with PM10 emissions greater than 250 pounds per day of total suspended particulates, or modifications of greater than 15 tons per year of PM10 to apply BACT to control PM emissions.	47 FR 26380 (June 18, 1982)
216	New Source Review Requirements for Determining Impact on Air Quality. Requires the Air Pollution Control Officer to evaluate air pollution impacts before issuing an Authority to Construct or Permit to Operate for a new facility.	41 FR 53661 (December 8, 1976)
400	Ringelmann Chart. Limits visible emissions from any source, except those exempted under Rule 405, to less than Ringelmann 1 or 20%	42 FR 28883 (June 6, 1977)
401	Fugitive Dust. Requires reasonable precautions be taken to prevent visible particulate emissions from crossing the property boundary.	42 FR 28883 (June 6, 1977)
408	Open Burning in Agricultural Operations or Disease or Pest Prevention. Limits agricultural burning operations to designated burn days and requires a burn permit.	46 FR 8471 (January 27, 1981)
409	Range Improvement Burning. Limits range improvement burning to designated burn days and require a burn plan be approved by the Air Pollution Control Officer.	42 FR 28883 (June 6, 1977)
410	Forest Management Burning. Limits forest management burning to designated burn days and requires a burn plan be approved by the Air Pollution Control Officer.	42 FR 28883 (June 6, 1977)
433	Control of Particulate Emissions at Owens Lake. Sets the requirement of Best Available Control Measures for Owens Lake, defines the areal extent of these control required in order to attain the NAAQS, and	81 FR 95473 (December 28, 2016)
502	Conservation Management Practices. Requires conservation management plans to reduce fugitive dust emissions from agricultural operations greater than 10 acres in Inyo, Mono and	79 FR 34240 (June 16, 2014)
Reg. XIII	General Conformity. Requires that federal actions and federally funded projects conform to SIP rules and that they do not interfere with efforts to attain federal air quality standards. Federal actions that have the potential to emit more than 100 tons per year of PM10 in the Coso Junction PM10 Planning Area will be required to complete a conformity determination.	64 FR 19916, April 23, 1999

7 - Contingency Plan

Section 175A of the Clean Air Act requires that maintenance plans include, “such contingency provisions as the Administrator deems necessary to assure that the State (in this case, the District on the State’s behalf) will promptly correct any violation of the standard which occurs after the redesignation of the area as an attainment area.” Contingency provisions are typically only implemented if air quality deteriorates beyond a specific threshold, such as increased or continued exceedances of the Federal Standard. Per US EPA guidance (Calcagni, 1992), contingency plans need to include: clearly identified control measures; a schedule and procedure for adoption and implementation of the measures; a time limit within which to take action; and an established threshold that triggers the contingency measures.

The contingency plan process outlined here includes established triggers, schedules, time limits and specific control measures to be implemented. If an exceedance of the federal PM10 standard is monitored in the Coso Junction PM10 Planning Area, the District will investigate the cause of the exceedance within 60 days following the end of the calendar quarter during which the event occurred. An exceedance determined to have been caused by or significantly contributed to by emissions from the Owens Lake area would trigger the contingency provisions outlined in Section 7.1, Owens Lake Contingency Measures. An exceedance determined to have been caused by emissions from sources within the Coso Junction PM10 Planning Area would trigger the contingency provisions outlined in Section 7.2, Additional Contingency Measures. Exceedances found to be caused by Exceptional Events, such as wildfires, earthquakes, etc., would be documented and submitted for approval in accordance with US EPA policy and not trigger the contingency measures described herein.

7.1 Owens Valley Planning Area Contingency Measures

The US EPA-approved District Rule 433, Control of Particulate Emissions at Owens Lake, contains contingency measures for the OVPA and provides: clearly identified control measures; a schedule and procedure for adoption and implementation of the measures; a time limit in which to take action; and an established threshold that triggers the contingency measures (Section C - District Rule 433). These contingency measures are extended to the Coso Junction PM10 Planning Area in the event a monitored exceedance in the Coso Junction PM10 Planning Area is found to have been caused, or significantly contributed to, by emissions from Owens Lake. The contingency measures under District Rule 433 allow for up to 4.8 square miles of additional BACM mitigation that may be implemented on any new area that is a source of windblown dust emissions on Owens Lake.

If a monitored exceedance of the federal PM10 standard in the Coso Junction PM10 Planning Area is found to have been caused by or significantly contributed to by emissions from Owens Lake, the District will investigate the exceedance within 60 days of the end of the calendar quarter during which the exceedance occurred to determine whether the required control measures on Owens Lake were properly implemented in accordance with District Rule 433 or whether the emissions are from a new source on Owens Lake. Exceedances found to be caused by dust from existing dust control areas that are not meeting performance criteria will be promptly addressed, but in no case will have corrective actions ordered to be taken more than 18 months after the 60-day period of investigation. Exceedances found to be caused by dust from a new source on Owens Lake will be subject to the contingency provisions under Section C of District Rule 433.

The schedule and procedures for control adoption and implementation under District Rule 433 are constrained by the 2014 Stipulated Judgment between the City of Los Angeles and the District and the State of California. These elements were approved by the US EPA on March 13, 2017 (82 FR 13390). Mitigation of emissions from uncontrolled areas of Owens Lake will be addressed as expeditiously as possible under the legal constraints of the 2014 Stipulated Judgment, the 2016 Owens Valley SIP, and District Rule 433.

Apart from the above process, at least once per year, per the procedures established in District Rule 433, the District will make an Additional BACM Contingency Determination (ABCD) to evaluate whether uncontrolled areas on the Owens Lakebed or implemented controls are not mitigating emissions sufficiently to attain the NAAQS at the monitors in the OVPA. Since many of the monitors in the OVPA are adjacent to the lakebed and are much closer to Owens Lake than the monitor in Coso Junction, it is likely that dust issues originating from Owens Lake will be identified and in the process of being addressed before they raise to the level of causing or significantly contributing to an exceedance in the Coso Junction PM10 Planning Area.

7.2 Additional Contingency Measures

These contingency provisions involve sources within the Coso Junction PM10 Planning Area. Following the end of the calendar quarter in which any exceedance occurs, the District will investigate the exceedance within 60 days to determine the cause. Exceedances found to be caused by emissions from local sources that are already subject to District regulations will be promptly addressed, but in no case will have corrective actions ordered to be taken more than 18 months after the 60-day period of investigation (Figure 5). If an exceedance cannot be addressed through existing District rules and regulations and is not covered by the US EPA Exceptional Events Policy, the District will address the issue by adopting and implementing additional control measures necessary to meet and maintain the PM10 NAAQS in the Coso Junction PM10 Planning Area. This action will take place within 18 months after the 60-day period of investigation. Control measures could include expanding existing rules or utilizing measures from outside existing rules and regulations to achieve the necessary emissions reductions within 18 months.

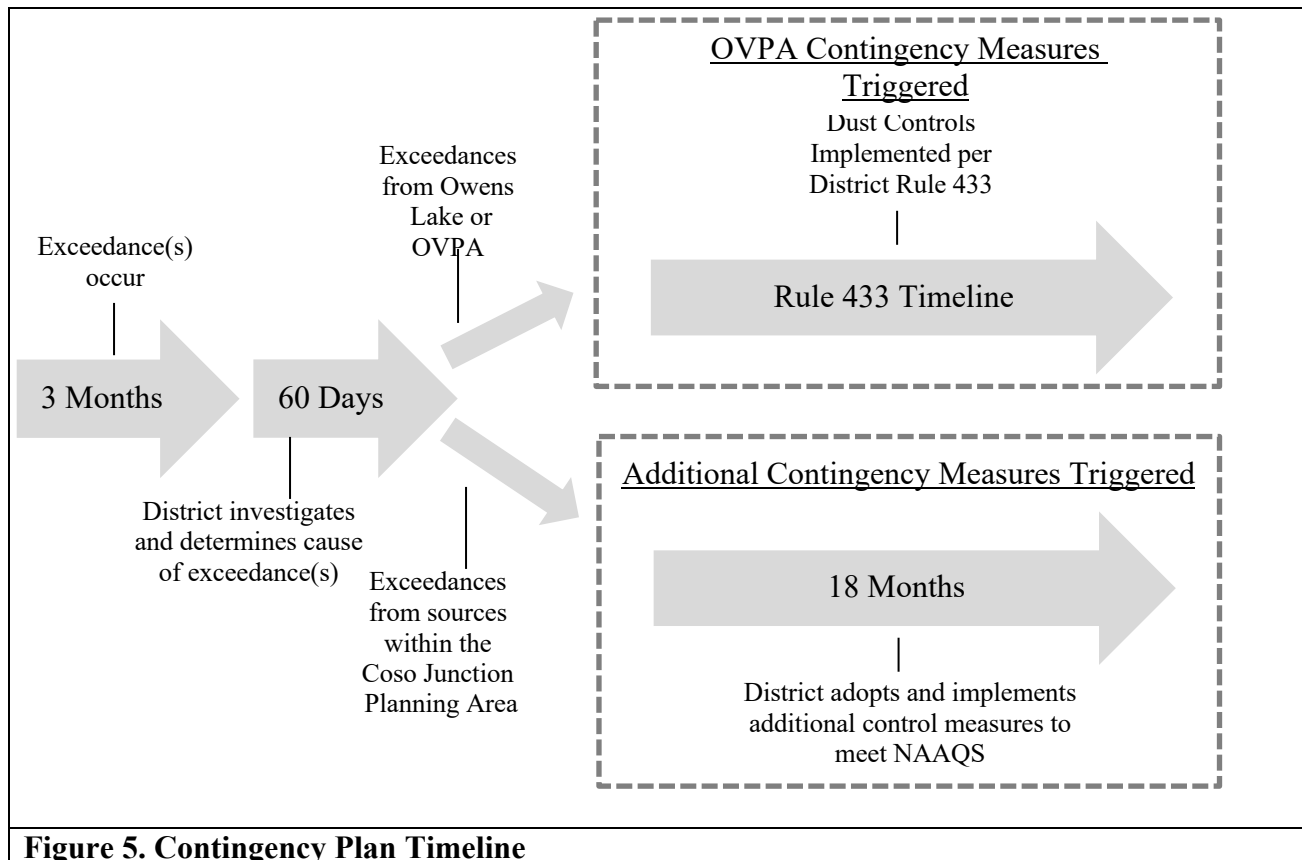


Figure 5. Contingency Plan Timeline

7.3 Exceptional Events

If a monitored exceedance is found to be caused by an event that is attributable to neither OVPA sources nor to sources in the CJPA, and that are neither reasonably controllable nor preventable, then that exceedance can be deemed an exceptional event. The process for requesting concurrence from the CARB and the EPA is described in detail below:

1. District notifies CARB and EPA that it wants to exclude an exceedance from the contingency measures trigger calculation through the submittal of an Initial Notification Information Form.
 - a. EPA, CARB, and the District confer to determine whether additional information should be submitted along with the INI. (EPA and/or CARB may request supplemental documentation under step 2b)
2. The District submits INI and additional information to CARB and EPA.
 - a. EPA and CARB review the INI and notify the District as to whether they agree that the exceedance appears to be an Exceptional Event and need not be counted toward the contingency measure trigger; or
 - b. EPA and CARB review the INI and notify the District they do not think the exceedance was caused by an Exceptional Event or they do not have sufficient information to make that determination. They notify the District that supplemental documentation and/or analysis is needed to determine whether the exceedance counts towards the contingency measure trigger. i.e., the event may not be exceptional.

3. District submits supplemental documentation (if needed)
 - a. EPA and CARB review the documentation and notify the District as to whether they agree that the exceedance appears to be an Exceptional Event and, therefore, will not be counted toward the contingency measure trigger; or
 - b. EPA and CARB review the documentation and notifies the District they do not think this qualifies as an Exceptional Event and that the District must count the event toward the contingency measure trigger.
4. If the District still considers the event in question to be exceptional and does not want to count it toward the contingency measure trigger, the District may then submit an Exceptional Events demonstration to the EPA and CARB.
 - a. EPA and CARB then review and concur, determining the exceedance does not count toward the contingency measure trigger; or
 - b. EPA and CARB review and do not concur, thus the exceedance counts towards the contingency measure trigger.

8 - Transportation Conformity

Transportation conformity requirements contained in District Regulation XII require that federal actions and federally funded transportation projects conform to SIP rules and that they not interfere with efforts to attain federal air quality standards. Under this Plan, the District maintains that emissions for transportation sources do not cause or significantly contribute to PM10 exceedances of the NAAQS in the Coso Junction PM10 Planning Area, nor would those emissions be expected to grow to a level during the 2020-2030 maintenance period that would jeopardize maintenance of the PM10 NAAQS. This determination of insignificance is made in consideration of several factors as required under 40 CFR 93.109(f) and which are discussed below.

8.1 On-Road Mobile Emissions in Context

As discussed in Section 4, on-road mobile emissions were quantified for inclusion in the PM10 emission inventory presented with this Plan. Direct emissions from on-road mobile sources (i.e., exhaust, tire wear, and brake wear) were calculated using CARB's EMFAC2017 model. Re-entrained road dust emissions from unpaved roads were calculating using methodology from US EPA's Compilation of Air Pollution Emission Factors, AP-42. Re-entrained road dust emissions from paved roads were derived from CARB's CEPAM 2016v1.05. Additional details on these calculations are provided in Appendix C. Road construction emissions in the Coso Junction PM10 Planning Area (and indeed, all of Inyo County) are so small that they are not estimated in CARB's CEPAM 2016v1.05 (as they are in other more populated areas in California). Table 6 below shows on-road mobile and related emissions by sub-category in the context of the entire PM10 emission inventory for the Coso Junction PM10 Planning Area. Specifically, on-road mobile emissions are shown to make up less than 0.5% of the daily PM10 emissions in the Coso Junction PM10 Planning Area. As discussed in Section 8.4, no appreciable changes in on-road mobile emissions are projected.

Table 6. On-Road Mobile and Related Emissions Contribution to Total PM10 Inventory (Tons per Day)

Source Category	2020	2030
Vehicular Exhaust, Tire Wear, Brake Wear ^[1]	0.010	0.010
Entrained Dust from Paved Roads ^[2]	0.022	0.024
Entrained Dust from Unpaved Roads ^[2]	0.038	0.038
Road Construction	<0.000	<0.000
Total^[3]	0.071	0.072
Percent of PM10 Inventory^[4]	0.2%	0.2%

Notes:

1. See Table 6 of Appendix C.
2. See Table 3 of Appendix C.
3. Totals may not add up due to rounding.
4. Total PM10 emissions in the Coso Junction PM10 Planning Area are 37.01 tons per day in 2020 and 2030.

8.2 Current State of Air Quality

As discussed in Section 3, the 2018 to 2020 PM10 monitoring data show that the Coso Junction PM10 Planning Area is in attainment of the PM10 NAAQS. This current state of air quality in the Coso Junction PM10 Planning Area coincides with the improvements in air quality in the OVPA as emissive areas of Owens Lake have been mitigated over time. Specifically, the number of monitored and expected exceedances at the Coso Junction station has dropped significantly, from a high of twelve (12) per year (circa 1995), to the current low of one (1) per year. These continual improvements in air quality have resulted in annual average PM10 concentrations of less than 20 µg/m³ over the past ten years.

8.3 Motor Vehicle Controls

There are currently no GBUAPCD-adopted motor vehicle control measures specific to the Coso Junction PM10 Planning Area. While certain national and statewide motor vehicle emission control measures may apply within the Coso Junction PM10 Planning Area, they are not GBUAPCD-adopted and would only contribute to reductions in motor vehicle related PM10 emissions in the Coso Junction PM10 Planning Area.

8.4 Historical Trends and Future Growth Projections

On-road mobile emissions have historically constituted a tiny fraction of the overall PM10 emission inventory in the Coso Junction PM10 Planning Area. This has been because of the low population in the

area. According to the 2010 US census, 61 people live in the Coso Junction PM10 Planning Area within the communities of Pearsonville and Homewood Canyon at the southern end of the planning area. This estimate is a significant decrease from the 2000 US census, which reported a population of 102 people for the area. Any future growth in the Coso Junction PM10 Planning Area would be limited by the fact that more than 97% of the land is federally controlled where access, development, or both are restricted. For these reasons, on-road mobile emissions can be reasonably expected to remain constant and very small over the 2020-2030 maintenance period.

9 - General Conformity

General conformity requirements contained in District Regulation XIII require that federal actions and federally funded projects conform to SIP rules and that they not interfere with efforts to attain federal air quality standards. A conformity determination is currently required for any federally funded (non-transportation) project or action that takes place in a moderate PM10 nonattainment area that has the potential to exceed a *de minimis* PM10 emissions threshold of 100 tons per year. In order to maintain the stringency of control requirements in the Coso Junction PM10 Planning Area, the District retained the 100 tons of PM10 per year *de minimis* emissions threshold for triggering a conformity determination as currently required under District Regulation XIII for the 2010 Coso Junction PM10 Planning Area Maintenance Plan. The District will continue to retain the 100 tons of PM10 per year *de minimis* emissions threshold for the 2021 2nd 10-year Coso Junction PM10 Planning Area Maintenance Plan.

10 - Commitment to Continued Monitoring

The District is committed to continuing ambient air quality monitoring in the Coso Junction PM10 Planning Area in accordance with Title 40 CFR Parts 50, 53, and 58 to verify the attainment status of the area. Specifically, the District commits to operating a federal reference method (FRM) and/or federal equivalent method (FEM) PM10 ambient air monitor in the Coso Junction PM10 Planning Area and to perform the requisite monitoring for tracking compliance with the federal PM10 standard through 2030, the second 10-year maintenance plan period. The monitor will be maintained, operated, and sited in accordance with federal criteria set forth in Title 40 CFR Parts 50, 53, and 58. Any changes to the monitor will be proposed under the District's annual network monitoring plan which is subject to US EPA approval. The monitoring will also allow the District to notify the public during air pollution episodes as provided for in District Rule 701- Air Pollution Episode Plan, and as submitted to CARB and US EPA in the District's 2018 Exceptional Events Mitigation Plan for the Coso Junction PM10 Planning Area (GBUAPCD, 2018).

11 - Tracking Progress and Verification of Continued Attainment

US EPA guidance requires the District to indicate how it will track the progress of its maintenance plan over time. The emissions inventory for the Coso Junction Planning Area is currently maintained as part of a broader statewide inventory effort led by CARB, as required under various state and federal laws. The District commits to reviewing the emission inventory inputs on an annual basis. If the District finds that these inputs have changed significantly, the District will transmit updated information to CARB to update the existing inventory and will evaluate the revised inventory against the inventories presented in this maintenance plan. Additionally, the District commits to updating its calculated three-year design value for the Coso Junction PM10 Planning Area annually. The design value will also be included in the annual network monitoring plan submitted to the US EPA to confirm

the area continues to meet the PM10 NAAQS. A three-year PM10 design value of 1.05 or fewer exceedances demonstrates continued compliance with the PM10 NAAQS.

12 - Request to Approve Second 10-Year Coso Junction PM10 Maintenance Plan

To ensure that compliance with the federal PM10 standard is maintained in future years, the District has evaluated potential future activities that could affect PM10 levels in the planning area and evaluated the adequacy of existing rules, policies and emission control requirements to control emissions from those sources and activities. District staff found that existing rules for fugitive dust, new source review and General Conformity were adequate to control potential new sources within the Coso Junction Planning Area.

The primary concern for maintaining PM10 compliance in the Coso Junction PM10 Planning Area has been windblown dust emissions from Owens Lake. Following the completion of construction of mitigation measures on 48.6 square miles of the emissive areas on Owens Lake in 2017, emissions from Owens Lake have been reduced by more than 90%. The control strategy and contingency requirements of District Rule 433 and the 2016 Owens Valley PM10 SIP, providing for 4.8 square miles of additional dust control, are adequate to protect air quality in the Coso Junction PM 10 Planning Area from emissions from Owens Lake.

Emissions from stationary sources in the Coso Junction PM10 Planning Area are expected to remain steady or decline over the period of this 10-year maintenance plan (2020-2030). However, if new facilities are constructed in the Coso Junction PM10 Planning Area, regulations for New Source Review and Prevention of Significant Deterioration, along with existing District rules and regulations to control sources of PM10, will prevent PM10 emissions from new facilities from causing or contributing to exceedances of the federal PM10 standard.

As a commitment in the Coso Junction PM10 Maintenance Plan, the District will continue daily monitoring of PM10 in the vicinity the Coso Junction rest area to help ensure new sources of PM10 are identified and controlled as necessary and ensure that the public is notified during air pollution episodes.

The District requests that this document be approved by the California Air Resources Board as the second 10-year PM10 Maintenance Plan for the Coso Junction Planning Area and submitted to the US Environmental Protection Agency for their consideration and approval.

13 - References

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App A- Daily Average PM10 for Coso Junction PM10 Planning Area and Surrounding Monitoring Stations 2010-2020

Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest- California Ave	Ridgecrest- Ward	Trona
1/1/2010		5	5	5	6	5	11		6	6	4				15
1/2/2010		6	7	6	6	5	13		9	6	5		36		17
1/3/2010		6	5	5	5	5	17		8	6	4				16
1/4/2010		8	10	11	10	6	12		10	6	6				16
1/5/2010		8	17	10	10	5	12		9	8	6				19
1/6/2010		9	16	9	10	6	20		9	8	9				20
1/7/2010		9	11	13	12	7	14		8	9	7				24
1/8/2010		6	8	8	9	5	16		7	6	6	2	27		22
1/9/2010		7	8	8	8	6	14		9	7	6				13
1/10/2010		7	6	5	6	5	11		6	7	5				19
1/11/2010		5	7	8	10	4	15		6	6	6				16
1/12/2010		115	20	21	38	14	24		36	15	26				17
1/13/2010		3	5	5	6	5	6		8	4	5				7
1/14/2010		2	6	6	20	5	3		4	4	4		10		16
1/15/2010		5	7	7	11	5	12		6	4	6				15
1/16/2010		6	8	6	6	5	7		10	6	5				16
1/17/2010		8	7	7	6	6	10		11	7	6				14
1/18/2010		5	4	4	5	4	5		5	4	4				8
1/19/2010		6	5	5	4	4	5		5	5	4				8
1/20/2010		3	4	3	3	2	1		3	3	4		3		5
1/21/2010		3	3	3	3	3	3		3	3	3				2
1/22/2010		4	4	4	5	4	5		4	4	4				6
1/23/2010		6	5	5	6	7	8		5	5	5				6
1/24/2010		5	4	4	4	5	6		5	5	4				7
1/25/2010		4	4	4	5	4	8		5	4	4				7
1/26/2010		6	6	5	5	11	9		11	6	5	1	13		8
1/27/2010		5	5	5	5	5	8		6	5	5				6
1/28/2010		11	5	4	5	4	9		5	5	4	3			9
1/29/2010		6	8	8	5	4	12		5	5	2				8
1/30/2010		5	6	5	6	4	10		5	5	3				9
1/31/2010		5	5	4	6	4	7		5	5	4				9
2/1/2010		5	6	5	7	5	12		6	6	5		20		14
2/2/2010		6	7	5	8	5	20		7	6	5				8
2/3/2010		6	7	6	7	6	13		9	7	6				9
2/4/2010		10	14	9	10	11	13		13	16	6	5			14
2/5/2010		7	8	7	9	9	9		9	8	6				11
2/6/2010		2	2	3	3	3	6		3	3	3				6
2/7/2010		3	4	3	6	4	2		4	4	4	1	2		3
2/8/2010		4	4	4	5	4	5		4	4	4				5
2/9/2010		5	5	5	5	5	4		6	5	4				7
2/10/2010		4	4	4	4	4	6		4	4	4				4

App A- Daily Average PM10 for Coso Junction PM10 Planning Area and Surrounding Monitoring Stations 2010-2020

Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest- California Ave	Ridgecrest- Ward	Trona
2/11/2010		4	4	4	5	4	7		4	4	4				7
2/12/2010		5	5	5	6	5	11		5	5	4				7
2/13/2010		6	6	6	6	6	10		7	7	5	5	21		8
2/14/2010		9	8	8	9	8	13		10	9	7				12
2/15/2010		10	11	10	11	10	13		11	10	8				13
2/16/2010		11	12	10	12	11	14		15	11	9				13
2/17/2010		10	10	10	11	10	19		12	10	8				14
2/18/2010		11	11	10	11	10	15		13	10	9				14
2/19/2010		16	16	16	17	14	23		21	17	13	7	15		25
2/20/2010		10	14	10	10	11	16		12	12	10				8
2/21/2010		6	16	8	6	7	7		15	8	10				21
2/22/2010		11	30	16	46	15	14		22	57	10				9
2/23/2010		25	14	12	11	11	14		20	12	8	4			14
2/24/2010		13	18	15	27	14	10		16	11	5				10
2/25/2010		6	6	5	6	6	10		5	6	4		12		8
2/26/2010		62	38	17	16	41	128		45	9	7				11
2/27/2010		4	5	5	5	7	12		5	5	3				11
2/28/2010		4	5	4	11	4	2		5	5	4				6
3/1/2010		4	5	4	5	4	5		13	4	4				6
3/2/2010		7	22	7	9	27	17		17	5	5				11
3/3/2010		21	23	6	19	167	69		74	5	12		4		24
3/4/2010		4	6	5	6	0	6		12	5	6				6
3/5/2010		4	5	5	5	5	5		10	6	4				9
3/6/2010		5	6	5	5	5	5		18	6	4				8
3/7/2010		7	8	6	6	6	7		8	9	5				7
3/8/2010		9	12	32	25	240	23		120	8	42				30
3/9/2010		34	566	98	310	60	16		86	155	49		13		18
3/10/2010		11	23	14	25	8	11		13	21	10				6
3/11/2010		12	8	8	9	9	17		13	11	7				10
3/12/2010		10	23	9	13	22	18		38	8	9				18
3/13/2010		29	1224	76	270	31	30		45	577	50				22
3/14/2010		27	35	12	15	8	7		13	38	9	8			16
3/15/2010		8	17	8	9	8	9		12	11	7		20		14
3/16/2010		8	13	8	10	9	9		14	11	7				11
3/17/2010		8	14	8	11	7	11		14	10	30				12
3/18/2010		42	1308	94	53	60	48		107	373	149	5			38
3/19/2010		98	59	89	89	44	35		51	124	22				27
3/20/2010		20	21	18	17	19	19		21	23	16				23
3/21/2010		22	26	18	24	17	22		24	24	38	13	21		20
3/22/2010		23	339	25	35	25	25		55	92	25				24
3/23/2010		70	496	34	54	19	24		30	191	27				15

App A- Daily Average PM10 for Coso Junction PM10 Planning Area and Surrounding Monitoring Stations 2010-2020

Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest-California Ave	Ridgecrest-Ward	Trona
3/24/2010		39	43	20	22	23	28		67	76	21				24
3/25/2010		134	193	96	130	106	87		151	44	48				43
3/26/2010		19	81	14	24	12	12		27	38	14				21
3/27/2010		35	74	16	17	17	14		18	60	12	6	20		14
3/28/2010		10	12	8	8	8	12		11	9	7				10
3/29/2010		32	29	17	51	39	30		67	13	22				22
3/30/2010		106	998	871	782	1514	142		2067	311	842				82
3/31/2010		6	21	59	69	712	9		137		395	11			38
4/1/2010		9	10	9	12	9	7		18		79				14
4/2/2010		11	14	10	23	19	14		16		12	6	15		14
4/3/2010		35	34	55	52	72	34		54		27				38
4/4/2010		77	54	39	48	2519	32		211		29				29
4/5/2010		7	16	11	19	81	16		20		7				39
4/6/2010		6	7	6	6	7	5		29		5	3			9
4/7/2010		7	7	6	7	4	10		17		7				10
4/8/2010		9	9	7	8	8	7		13		7		13		13
4/9/2010		35	41	32	30	42	44		60	42	33				17
4/10/2010		44	51	28	33	114	47		69	34	20				39
4/11/2010		42	198	72	149	4570	135		553	29	60				
4/12/2010		10	9	15	11	0	9		5	6	11				
4/13/2010		11	11	9	10	13	10		10	11	12				10
4/14/2010		12	14	12	17	52	17		17	13	9		14		12
4/15/2010		14	15	14	14	9	16		23	16	12				
4/16/2010		14	14	14	14	4	16		50	20	13				58
4/17/2010		16	15	14	14	20	20		19	17	12				
4/18/2010		19	17	17	17	15	21		23	21	15				
4/19/2010		26	27	24	26	36	26		29	27	20				
4/20/2010		48	67	34	47	1654	62		79	17	16	19	11		37
4/21/2010		4	5	5	4	12	4		8	4	6				
4/22/2010		5	5	4	4	7	5		16	5	3				4
4/23/2010		11	67	14	39	34	9		90	29	10				14
4/24/2010		11	10	10	11	10	10		24	12	9				17
4/25/2010		17	15	15	15	15	16		34	17	13				17
4/26/2010		17	17	17	18	16	17		35	23	15	14	19		23
4/27/2010		285	1437	168	121	197	38		481	63	248				96
4/28/2010		22	63	174	117	376	19		289	57	234				71
4/29/2010		14	53	17	35	19	7		30	15	10				10
4/30/2010		8		18	33	16	9		33	28	12				14
5/1/2010		8	15	7	8	7	9		13	13	6				14
5/2/2010		23	415	32	46	34	25		54	90	30	8	25		22
5/3/2010		15	17	28	14	13	16		23	23	10				30

App A- Daily Average PM10 for Coso Junction PM10 Planning Area and Surrounding Monitoring Stations 2010-2020

Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest- California Ave	Ridgecrest- Ward	Trona
5/4/2010		13	12	14	18	9	13		18	24	12				22
5/5/2010		11	10	10	36	10	12		29	17	9	17			
5/6/2010		57	85	59	56	50	47		106	58	43				
5/7/2010		14	14	13	12	12	14		23	15	10				16
5/8/2010		16	14	14	18	13	16		22	16	13	20	19		28
5/9/2010		42	132	74	104	88	17		170	213	140				60
5/10/2010		15	48	76	70	115	15		410	31	43				53
5/11/2010		12	67	28	69	63	14		109	74	31				11
5/12/2010		9	14	9	23	13	10		37	26	8				
5/13/2010		11	12	10	10	10	11		19	15	35				
5/14/2010		13	16	11	11	11	16		16	15	11	10	17		12
5/15/2010		16	16	14	13	14	17		24	19	14				
5/16/2010		19	19	19	16	17	21		27	22	15				
5/17/2010		17	88	13	14	54	67		53	20	17				
5/18/2010		9	9	7	7	8	11		10	12	7				
5/19/2010		10	10	9	9	9	11		15	12	8				
5/20/2010		11	10	9	18	8	11		19	20	8	14	13		15
5/21/2010		18	15	33	93	39	21		91	58	16				
5/22/2010		12	105	59	51	11	15		26	16	15				
5/23/2010		13	33	12	33	9	8		23	20	14				
5/24/2010		10	10	9	9	9	9		14	12	9				
5/25/2010		15	52	14	15	20	41		37	19	16				1
5/26/2010		11	35	13	17	166	23		131	12	9	12	13		21
5/27/2010		22	64	19	82	1783	134		433	16	24				18
5/28/2010		13	180	28	29	5	18		25	48	17				8
5/29/2010		8	12	6	6	6	8		12	14	5				8
5/30/2010		11	10	9	9	12	13		14	15	8				15
5/31/2010		11	16	12	13	12	16		15	16	10				24
6/1/2010		13	14	13	13	14	13		26	15	9		13		22
6/2/2010		15	16	12	12	26	23		28	16	11				21
6/3/2010		20	17	15	21	23	17		29	22	13				25
6/4/2010		13	9	8	10	10	15		14	15	7				21
6/5/2010		12	11	10	9	11	13		12	19	9				22
6/6/2010		14	13	12	12	18	15		14	18	10				21
6/7/2010		11	10	11	11	11	14		14	18	10	21	20		31
6/8/2010		13	13	13	11	12	13		32	15	11				22
6/9/2010		16	13	25	31	43	23		48	23	41				26
6/10/2010		33	400	63	193	52	40		91	122	70				27
6/11/2010		31	392	53	175	66	28		81	295	48				20
6/12/2010		19	25	22	45	22	22		54	33	22				15
6/13/2010		17	25	14	25	15	17		30	18	14	12	22		12

App A- Daily Average PM10 for Coso Junction PM10 Planning Area and Surrounding Monitoring Stations 2010-2020

Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest- California Ave	Ridgecrest- Ward	Trona
6/14/2010		19	20	11	11	14	15		26	17	10				18
6/15/2010		82	32	26	25	28	19		42	28	22				30
6/16/2010		16	14	13	28	17	24		40	27	12				30
6/17/2010		16	17	15	14	17	17		28	20	15				16
6/18/2010		15	19	19	21	169	25		43	21	14				15
6/19/2010		14	14	13	15	16	16		18	17	12	20			21
6/20/2010		16	14	15	13	14	15		17	18	12				11
6/21/2010		19	20	28	22	17	19		27	22	14				13
6/22/2010		15	18	12	11	16	17		21	16	10				12
6/23/2010		19	21	17	15	17	26		29	23	16				25
6/24/2010		26	26	21	26	26	27		52	28	18				30
6/25/2010		16	17	14	16	16	19		19	21	13	25	22		29
6/26/2010		19	21	22	21	19	21		30	22	18				23
6/27/2010		15	15	13	13	12	16		18	20	14				22
6/28/2010		19	19	17	15	17	22		28	22	15				26
6/29/2010		20	21	16	19	17	23		32	24	16				29
6/30/2010		21	30	24	20	19	22		47	26	17				29
7/1/2010		17	16	16	15	21	18		46	20	14		19		24
7/2/2010		23	20	16	15	15	17		20	20	15				25
7/3/2010		27	25	30	29	32	33		49	33	31				25
7/4/2010		15	14	13	13	12	50		21	18	11				20
7/5/2010		17	15	15	14	14	17		22	19	13				27
7/6/2010		19	20	20	21	22	24		30	23	20				27
7/7/2010		20	20	18	19	18	21		30	25	17	26	29		24
7/8/2010		19	16	17	16	16	19		22	23	19				29
7/9/2010		20	18	16	17	16	20		19	29	16				23
7/10/2010		17	16	14	20	14	18		33	21	14				34
7/11/2010		8	9	9	9	8	9		10	10	8				35
7/12/2010		17	14	14	14	13	14		15	16	13				25
7/13/2010		21	19	18	18	18	20		25	21	18	21	27		28
7/14/2010		19	14	14	14	14	14		25	18	13				20
7/15/2010		30		40	25	201	35		51	26	26				43
7/16/2010		12		26	99	26	22		29	15	15				23
7/17/2010		14		12	13	12	16		17	15	12				28
7/18/2010		23		20	19	19	24		24	28	24				25
7/19/2010		26		24	29	28	32		37	29	23		24		22
7/20/2010		16		15	15	15	21		25	23	14				28
7/21/2010		16		14	14	13	19		20	22	13				34
7/22/2010		19		17	17	19	23		25	21	18				24
7/23/2010		22		18	18	17	21		21	24	17				29
7/24/2010		18		16	16	15	23		19	21	15				27

App A- Daily Average PM10 for Coso Junction PM10 Planning Area and Surrounding Monitoring Stations 2010-2020

Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest- California Ave	Ridgecrest- Ward	Trona
7/25/2010		15		15	16	15	20		19	19	13				27
7/26/2010		19		19	20	17	27		22	24	16				25
7/27/2010		29		21	32	23	34		28	35	22				25
7/28/2010		30		18	21	18	27		22	26	18				27
7/29/2010		26		25	21	25	21		28	27	18				33
7/30/2010		28		23	22	25	25		26	33	21				
7/31/2010		15		15	15	13	13		15	19	12	22			35
8/1/2010	26	22		21	20	19	17		22	24	19				20
8/2/2010	25	18		15	16	17	16		21	21	15				23
8/3/2010	21	15		14	14	12	14		19	18	13				24
8/4/2010	27	15		13	14	16	15		21	20	12				24
8/5/2010	31	18		18	15	14	15		20	24	14	22			23
8/6/2010	39	20		17	17	16	19		20	24	15		24		31
8/7/2010	24	19		17	17	15	18		22	24	15				28
8/8/2010	27	18		18	16	16	19		23	21	15				22
8/9/2010	21	15		14	14	12	16		16	18	12	18			18
8/10/2010	27	20		16	20	15	20		32	25	16				27
8/11/2010	27	20		17	17	15	18		27	25	16				34
8/12/2010	26	18		15	15	16	19		29	19	13		29		29
8/13/2010	23	19		16	16	15	18		29	21	14				31
8/14/2010	26	18		18	17	15	18		20	20	14				23
8/15/2010	18	16		14	14	13	18		21	19	12	19			25
8/16/2010	20	13		13	13	10	17		30	15	13				28
8/17/2010	22	13		10	12	13	12		21	14	10				30
8/18/2010	30	20		16	18	20	29		31	23	16		28		30
8/19/2010	24	16		14	15	14	17		30	18	13	17			20
8/20/2010	29	16		16	14	14	17		20	19	13				22
8/21/2010	21	18		13	16	29	20		21	24	14				31
8/22/2010	16	11		10	16	14	13		15	13	10				28
8/23/2010	19	13		13	15	12	16		21	18	11				15
8/24/2010	20	14		13	14	13	15		23	17	13		33		22
8/25/2010	27	28		19	20	18	24		25	26	18				32
8/26/2010	28	24		21	32	43	22		35	25	17				30
8/27/2010	11	12		9	14	13	14		24	13	9				12
8/28/2010	15	16		38	56	171	24		36	16	27				
8/29/2010	17	15		22	29	21	16		21	14	15				28
8/30/2010	14	11		14	10	9	12		17	12	3	19	18		15
8/31/2010	19	18		16	15	15	18		22	19	9				17
9/1/2010	21	14		13	13	12	16		23	15	8	23	32		26
9/2/2010	18	12		10	12	13	13		37	15	7				18
9/3/2010	22	17		14	16	14	15		20	18	11				23

App A- Daily Average PM10 for Coso Junction PM10 Planning Area and Surrounding Monitoring Stations 2010-2020

Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest-California Ave	Ridgecrest-Ward	Trona
9/4/2010	17	14		12	16	13	16		17	17	11				19
9/5/2010	22	16		14	15	14	22		29	20	12	21	25		37
9/6/2010	53	47		58	58	56	56		61	52	50				22
9/7/2010	38	13		11	11	19	20		25	13	10				39
9/8/2010	30	22		27	46	392	20		51	26	22	36	36		43
9/9/2010	16	12	11	12	12	16	12		31	12	9				18
9/10/2010	21	12	11	11	11	10	13		33	12	9				17
9/11/2010	16	12	11	10	11	9	13		18	14	9	14	24		16
9/12/2010	20	14	14	12	12	11	13		15	15	11				19
9/13/2010	22	16	21	15	16	14	19		19	20	15				30
9/14/2010	42	24	29	19	17	19	23		37	28	20				27
9/15/2010	58	50	51	39	45	46	41		58	47	43	57			33
9/16/2010	24	20	18	20	20	27	25		25	21	17				36
9/17/2010	35	24	22	17	19	23	22		25	25	16	63	52		36
9/18/2010	29	25	24	21	22	22	24		27	24	18				34
9/19/2010	17	17	15	10	12	22	23		17	19	8				29
9/20/2010	15	12	11	11	10	10	14		24	14	9				21
9/21/2010	23	21		16	15	40	26		31	26	13	23			29
9/22/2010	25	20		20	19	19	21		28	21	16				27
9/23/2010	16	14	15	12	14	12	12		18	19	6	22	34		26
9/24/2010	24	14	13	12	14	17	17		20	18	6				25
9/25/2010	17	13	12	10	11	11	15		18	17	6				18
9/26/2010	12	12	11	11	12	10	13		12	15	7				21
9/27/2010	15	14	11	10	11	11	13		31	12	7				22
9/28/2010	12	12	11	24	11	10	21		18	13	8				20
9/29/2010	18	14	16	17	20	12	18		23	16	11	19	37		25
9/30/2010	18	13	13	15	17	17	19		20	22	10				25
10/1/2010	19	13	14	12	9	9	12		10	18	9				22
10/2/2010	10	11	9	11	9	9	10		9	17	8				13
10/3/2010	9	8	8	8	6	6	10		7	9	6				13
10/4/2010	15	12	51	16	43	16	17		27	16	10				22
10/5/2010	9	7	7	7	6	6	6		12	7	5	14	17		15
10/6/2010	7	7	6	7	6	6	22		11	6	6				15
10/7/2010	16	8	8	8	7	7	11		11	7	7				8
10/8/2010	10	8	8	9	8	8	12		13	8	7				11
10/9/2010	8	9	8	8	8	8	10		13	9	7				11
10/10/2010	8	6	5	7	5	5	9		8	6	5				13
10/11/2010	8	8	8	8	11	7	15		10	13	6	12	30		22
10/12/2010	8	8	7	8	6	6	10		11	8	6				11
10/13/2010	9	9	9	8	9	8	12		11	9	7				11
10/14/2010	18	12	11	10	11	9	14		12	12	9				15

App A- Daily Average PM10 for Coso Junction PM10 Planning Area and Surrounding Monitoring Stations 2010-2020

Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest- California Ave	Ridgecrest- Ward	Trona
10/15/2010	14	12	12	12	13	10	13		13	14	10				23
10/16/2010	14	12	11	11	11	10	13		11	12	10				25
10/17/2010	20	17	15	14	13	11	11		14	15	12	29	29		30
10/18/2010	10	7	7	9	8	6	6		7	7	6				20
10/19/2010	7	6	8	7	7	6	6		8	7	6				
10/20/2010	5	5	5	6	5	5	7		5	5	4				
10/21/2010	17	8	8	8	7	8	12		10	10	7				
10/22/2010	13	11	11	11	10	10	14		12	12	9				17
10/23/2010	11	11	12	14	13	12	23		17	11	12	11	12		8
10/24/2010	15	109	36	11	9	7	16		12	81	33				68
10/25/2010	29	28	17	50	163	112	18		93	59	19				30
10/26/2010	13	16	9		25	7	9		18	15	8				12
10/27/2010	6	7	6		13	5	8		8	6	4				5
10/28/2010	9	7	17		7	15	9		16	8	4				12
10/29/2010	12	10	11		10	10	15		11	10	2	6	18		21
10/30/2010	6	8	11		5	6	8		7	10	2				
10/31/2010	6	6	4		5	5	8		6	8	2				8
11/1/2010	6		5		7	5	8		14	7	3				12
11/2/2010	6	8	8		6	5	11		10	7	4				11
11/3/2010	7	8	6		6	6	12		14	6	4				15
11/4/2010	7	7	6		6	5	8		9	7	5	4	27		18
11/5/2010	13	12	11		10	9	13		12	12	8				18
11/6/2010	15	14	15		13	21	15		42	15	11				27
11/7/2010	14	24	16		12	10	18		11	14	11				19
11/8/2010	4	3	4		13	3	4		8	5	3				3
11/9/2010	6	6	5		5	4	10		7	6	4				5
11/10/2010	10	7	9	11	8	6	10		11	13	6	8	11		5
11/11/2010	9	8	11	6	20	5	6		11	22	5				4
11/12/2010	5	6	5	4	5	4	9		11	5	4				8
11/13/2010	7	6	7	6	8	5	12		15	8	5				12
11/14/2010	10	9	11	8	59	8	8		17	19	8				14
11/15/2010	10	8	7	6	6	6	8		8	7	6				20
11/16/2010	8	7	7	6	8	6	8		8	6	5	8	25		19
11/17/2010	12	9	9	9	9	7	14		14	9	7				16
11/18/2010	16	11	12	9	10	8	15		28	11	8				16
11/19/2010	15	23	20	12	14	17	56		57	16	13				20
11/20/2010	4	17	15	11	18	159	53		19	7	10				19
11/21/2010	5	5	7	5	5	63	24		31	5	4				20
11/22/2010	5	5	5	5	6	5	10		7	5	4	2	4		6
11/23/2010	16	5	8	9	5	4	9		10	7	12				42
11/24/2010	6	6	6	7	12	5	7		6	6	7				7

App A- Daily Average PM10 for Coso Junction PM10 Planning Area and Surrounding Monitoring Stations 2010-2020

Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest- California Ave	Ridgecrest- Ward	Trona
11/25/2010	5	5	5	4	6	5	8		9	5	5				8
11/26/2010	4	5	4	4	5	4	19		8	5	4				17
11/27/2010	10	14	16	8	12	21	9		36	10	14				29
11/28/2010	7	5	5	10	70	5	4		6	6	5		6		51
11/29/2010	6	10	6	4	9	10	12		16	6	4				9
11/30/2010	9	8	10	9	10	7	15		23	11		3			16
12/1/2010	9	9	6	6	8	6	23		8	7					19
12/2/2010	9	8	7	6	10	6	18		8	7	2				22
12/3/2010	11	9	8	6	8	6	20		8	10	3				25
12/4/2010	12	11	10	8	9	8	15		10	12	5	3	35		27
12/5/2010	14	10	10	8	11	8	12		11	11	6				31
12/6/2010	5	5	5	5	5	5	5		5	5	3				7
12/7/2010	5	5	5	5	6	5	13		5	5	4				9
12/8/2010	5	6	4	4	4	4	12		5	5	3				9
12/9/2010	5	6	5	6	6	5	12		6	6	4				
12/10/2010	7	6	5	5	6	6	15		5	5	4	3			10
12/11/2010	7	6	5	5	5	5	13		5	5	4				12
12/12/2010	5	5	4	4	5	4	7		5	4	3				14
12/13/2010	7	5	4	4	5	5	8		6	7	3				10
12/14/2010	22	8	5	6	7	5	13		9	40	7				
12/15/2010	6	5	5	5	6	4	3		7	7	4				
12/16/2010	6	4	4	4	5	4	6		5	5	3	5	11		6
12/17/2010	5	4	4	4	5	4	5		4	4	4				11
12/18/2010	3	4	3	4	4	5	6		4	3	4				3
12/19/2010	2	4	4	3	4	4	7		5	3	3				
12/20/2010	3	3	3	3	3	3	3		3	3	3				
12/21/2010	3	3	5	4	4	4	1		3	3	3				
12/22/2010	3	3	3	3		3	2		3	3	3	3	3		3
12/23/2010	4	5	5	4		5	11		5	5	5				
12/24/2010	4	5	5	4	5	5	12		5	5	5				
12/25/2010	3	4	3	3	4	3	10		3	3	3				
12/26/2010	4	4	4	4	5	4	6		4	4	4				
12/27/2010	3	4	4	3	5	4	8		4	3	3				
12/28/2010	4	7	6		12	4	8		4	4		5	16		8
12/29/2010	11	9	19		60	14	12		63	19					
12/30/2010	17	7	17	39	84	21	6		17	62	4				
12/31/2010	8	9	7	6	8	6	7		7	8	3				
1/1/2011	6	6	5	4	5	6	11		5	6	3				
1/2/2011	5	5	5	4	5	4	6		4	5	3				
1/3/2011	5	6	5	5	6	5	12		3	5	4	3	15		0
1/4/2011	4	5	4	3	5	4	12		4	5	3				

App A- Daily Average PM10 for Coso Junction PM10 Planning Area and Surrounding Monitoring Stations 2010-2020

Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest-California Ave	Ridgecrest-Ward	Trona
1/5/2011	4	5	5	4	5	5	16		5	5	4				
1/6/2011	4	5	4	3	5	5	11		8	5	3				
1/7/2011	4	5	4	3	4	4	11		4	5	3				
1/8/2011	4	5	4	3	4	4	13		4	4	3				
1/9/2011	6		5	4	5	5	9		5	5	4	3	25		3
1/10/2011	8		8	8	9	6	11		10	8	6				
1/11/2011	6		5	4	5	4	15		6	6	4				
1/12/2011	5	6	8	5	6	5	10		7	6	5				
1/13/2011	5	6	6	5	7	5	12		7	6	5				
1/14/2011	8	9	8	5	6	5	7		8	9	5				
1/15/2011	5	5	5	4	6	4	6		8	5	4	5	33		12
1/16/2011	5	5	5	3	5	4	5		5	5	4				
1/17/2011	5	5	5	4	6	5	7		6	5	4				
1/18/2011	7	8	8	7	8	6	9		9	8	6				
1/19/2011	46	40	101	28	45	25	29		31	92	20				
1/20/2011	25	30	19	14	17	11	12		17	29	10				
1/21/2011	7	7	6	5	7	5	11		7	27	5	5	47		17
1/22/2011	13	14	24	6	10	6	6		12	29	7				
1/23/2011	10	32	9	7	7	5	8		13	13	5				
1/24/2011	7	7	6	6	7	6	10		7	8	5				
1/25/2011	8	8	6	3	12	5	12		7	10	5				
1/26/2011	10	15	9	11	10	6	9		13	9	3				
1/27/2011	8	8	5	6	6	9	16		9	12	0	6	34		11
1/28/2011	10	7	5	5	6	6	18		8	10	1				
1/29/2011	7	7	6	6	9	6	15		8	8	3				
1/30/2011	76	21	47	44	49	37	16		43	21	35				
1/31/2011	45	26	86	27	113	16	14		26	54	55				
2/1/2011	92	25	197	59	92	28	28		42	207	62				
2/2/2011	58	133	67	26	39	15	14		22	97	15	14	37		18
2/3/2011	42	96	144	23	46	15	11		18	132	33				
2/4/2011	85	88	245	49	69	10	9		14	133	41				
2/5/2011	107	18	914	144	131	16	10		28	104	55				
2/6/2011	58	50	135	5	12	5	10		9	50	30				
2/7/2011	2	21	7	34	46	21	54		52	13	16				
2/8/2011	204	277	780	233	520	155	130		308	642	150	23	143		
2/9/2011	8	10	12	18	15	4	5		11	15	4				
2/10/2011	6	6	5	3	8	4	11		6	8	2				
2/11/2011	7	7	5	2	6	5	11		7	6	21				
2/12/2011	7	7	4	3	5	4	9		7	7	2				
2/13/2011	7	7	6	4	6	5	12		8	7	3				
2/14/2011	18	48	81	53	88	44	32		67	30	28	8	24		30

App A- Daily Average PM10 for Coso Junction PM10 Planning Area and Surrounding Monitoring Stations 2010-2020

Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest- California Ave	Ridgecrest- Ward	Trona
2/15/2011	12	34	55	16	64	158	134		120	18	19				
2/16/2011	7	17	88	21	35	142	75		937	7	38				
2/17/2011	15	10	10	5	5	19	43		7	7	10				
2/18/2011	9	7	16	7	10	13	13		16	6	6				
2/19/2011	4	5	5	5	5	4	2		4	4	5				
2/20/2011	4	5	4	4	6	4	4		5	4	5	1			1
2/21/2011	4	4	4	4	5	4	3		4	4	4				
2/22/2011	5	11	6	5	6	12	10		12	6	6				
2/23/2011	6	8	9		7	7	10		6	6	6				
2/24/2011	8	8	16		9	7	10		8	7	2				
2/25/2011	9	9	39	17	7	32	11		82	11	10				
2/26/2011	3	3	5	4	20	3	3		1	6	2	3	2		3
2/27/2011	7	10	9	11	30	6	3		5	12	5				
2/28/2011	6	6	6	4	6	5	9		6	6	4				
3/1/2011	7	8	6	5	7	5	11		8	8	4				
3/2/2011	8	16	12	8	10	15	14		96	9	6		5		
3/3/2011	8	10	8	8	12	10	11		11	9	7				
3/4/2011	9	10	7	7	7	6	7		8	8	6	4			6
3/5/2011	10	11	8	7	8	7	10		16	10	6				
3/6/2011	34	8	10	8	8	6	7		9	28	9				
3/7/2011	11	33	67	26	110	61	24		200	22	24				
3/8/2011	10	9	7	8	10	8	12		14	11	7		13		
3/9/2011	9	10	9	8	9	7	16		13	9	7				
3/10/2011	9	14	15	7	11	13	12		11	11	8	7	14		15
3/11/2011	10	10	9	9	10	8	12		12	11	8				
3/12/2011	14	9	9	8	9	7	10		11	15	8				
3/13/2011	11	11	10	10	10	9	9		13	11	9				
3/14/2011	10	14	10	9	10	9	8		12	10	8				
3/15/2011	10	9	9	6	7	6	8		9	10	6				
3/16/2011	40	73	166	159	194	71	42		121	116	186	8	25		49
3/17/2011	35	35	26	22	26	20	27		36	40	19				24
3/18/2011	47	74	117	59	75	234	77		214	65	50				43
3/19/2011	6	14	35	9	18	33	34		96	14	9				23
3/20/2011	7	7	8	8	13	6	8		10	6	5				32
3/21/2011	6	4	4	5	4	5	4		8	5	5				
3/22/2011	8	7	7	6	11	6	5		8	7	7	4	6		4
3/23/2011	14	7	9	10	11	10	7		11	14	7				
3/24/2011	10	17	27	15	16	110	49		65	94	16				
3/25/2011	6	4	6	6	5	4	3		4	4	5				10
3/26/2011	4	7	7	7	6	10	5		6	6	7				13
3/27/2011	6	7	7	6	6	6	5		6	6	6				6

App A- Daily Average PM10 for Coso Junction PM10 Planning Area and Surrounding Monitoring Stations 2010-2020

Daily PM10 Date	Sites															
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest- California Ave	Ridgecrest- Ward	Trona	
3/28/2011	13	8	9	8	8	7	7		8	9	8	5	11		12	
3/29/2011	12	10	9	9	9	8	8		11	10	8				14	
3/30/2011	25	8	33	18	56	13	10		25	31	16				12	
3/31/2011	8	11	8	7	6	11	8		8	6					12	
4/1/2011	7	6	7	5	7	11	8		14	5	5				18	
4/2/2011	14	8	13	10	27	54	26		176	9	9				33	
4/3/2011	27	34	44	31	27	32	34		34	34	29	11	14		20	
4/4/2011	21	15	13	12	14		14		14	15	10				13	
4/5/2011	18	14	14	13	14		13		15	14	11				24	
4/6/2011	14	13	20	16	12	10	12		18	11	11				17	
4/7/2011	22	74	77	424	48	360	14		415	18	31				61	
4/8/2011	7	6	5	7	7	6	5		8	5	8				10	
4/9/2011	7	6	6	6	6	5	3		5	6	6	6	6		7	
4/10/2011	8	7	6	6	7	6	6		10	8	6				9	
4/11/2011	15	10	9	8	8	7	11		9	9	7				15	
4/12/2011	17	14	13	13	13	12	13		14	13	12				21	
4/13/2011	32	29	62	63	117	163	30		80	43	33				33	
4/14/2011	40	39	34	34	34	37	34		42	39	32				30	
4/15/2011	37	37	36	37	36	32	34		40	39	32	23	35		41	
4/16/2011	22	21	23	22	22	22	17		23	21	19				29	
4/17/2011	12	10	10	10	11	9	11		10	12	8				17	
4/18/2011	15	12	16	32	68	23	19		27	14	15				22	
4/19/2011	11	11	9	11	16	8	10		11	14	9				11	
4/20/2011	15	13	14	14	66	11	8		18	19	17				17	
4/21/2011	15	15	89	47	129	18	11		20	20	31	9	23		26	
4/22/2011	10	10	20	12	30	13	10		13	15	15				17	
4/23/2011	12	7	6	8	11	7	5		12	12	6				14	
4/24/2011	27	15	16	24	56	19	14		35	35	14				44	
4/25/2011	15	15	19	75	335	102	37		204	23	18				34	
4/26/2011	19	17	15	11	25	12	12		16	20	13				18	
4/27/2011	19	15	17	19	18	12	13		14	16	14	14	16		21	
4/28/2011	28	16	15	17	17	14	16		18	35	10				29	
4/29/2011	79	40	155	161	290	117	85		146	308	75				40	
4/30/2011	12	9	10	7	29	7	6		10	28	4				13	
5/1/2011	11	8	9	7	11	6	6		11	10	5				7	
5/2/2011	18	11	13	9	10	8	11		13	14	7				12	
5/3/2011	23	17	16		22	14	21		21	24	12	20	23		24	
5/4/2011	25	18	22		19	17	19		28	28	13				17	
5/5/2011	24	15	20		15	20	21	12	24	20	14				19	
5/6/2011	25	19	19		18	18	20	17	25	24	17				31	
5/7/2011	20	17	18		20	18	21	19	20	20	17				31	

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Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest- California Ave	Ridgecrest- Ward	Trona
5/8/2011	51	14	14		50	15	14	135	17	25	18				71
5/9/2011	11	10	11		38	12	16		20	13	9	12	12		14
5/10/2011	13	11	10		29	12	8	2	17	20	7				7
5/11/2011	21	11	10		8	9	9	6	16	17	8				
5/12/2011	26	16	18		16	16	22	15	19	19	15				26
5/13/2011	26	16	15		21	13	16	15	18	17	13				33
5/14/2011	22	15	37		20	27	34	27	62	20	29				35
5/15/2011	12	14	24		80	81	117	23	45	10	27	6			22
5/16/2011	8	6	8		7	6	9	5	9	8	5				13
5/17/2011	25	12	9		15	8	10	12	10	22	31				26
5/18/2011	12	16	13		17	15	9	14	18	11	8				6
5/19/2011	12	8	9		33	15	8	14	13	11	8				10
5/20/2011	14	10	9		8	8	10	7	10	13	7				16
5/21/2011	19	13	13		12	12	14	11	16	17	11	20	19		23
5/22/2011	23	14	14		14	21	11	13	13	15	12				28
5/23/2011	20	14	12		13	12	12	13	18	16	15				21
5/24/2011	25	16	14		14	13	16	13	22	35	13		18		19
5/25/2011	33	26	96		100	72	38	754	67	44	34				53
5/26/2011	21	23	21			17	17	25	20	25	20				32
5/27/2011	20	9	11		18	9	12	11	17	19	4	43	29		29
5/28/2011	29	17	42		55	30	34	33	55	57	71				52
5/29/2011	11	9	28		127	27	22	30	37	21	9				20
5/30/2011	8	6	9		8	7	11	7	10	11	5				10
5/31/2011	20	16	42		20	17	42	14	40	20	16				26
6/1/2011	28	17	21		41	25	23	17	31	27	13				25
6/2/2011	15	10	9		9	10	10	9	28	12	9	13	12		13
6/3/2011	14	11	12		12	10	13	11	14	16	10				18
6/4/2011	15	13	16		17	13	19	13	14	19	12				14
6/5/2011	15	9	13		17	8	15	13	11	13	9				18
6/6/2011	10	6	6		6	5	7	6	6	9	6				10
6/7/2011	14	8	8		8	7	10	8	10	11	7				13
6/8/2011	16	11	13		12		13	11	14	13	10	16	19		18
6/9/2011	18	12	14		13		15	16	19	17	12				18
6/10/2011	27	16	17		15		18	16	21	21	15				27
6/11/2011	23	16	17		15		19	16	18	20	15				23
6/12/2011	25	19	20		18		21	18	27	26	20				23
6/13/2011	28	20	20		19		21	19	23	25	18				23
6/14/2011	21	16	17		15		19	15	28	21	14	25	25		18
6/15/2011	28	18	17		17	18	22	18	26	23	21				
6/16/2011	27	16	41		81	30	29	27	36	27	17				
6/17/2011	27	22	25		29	22	21	24	26	26	21				

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Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest- California Ave	Ridgecrest- Ward	Trona
6/18/2011	28	19	23		20	20	19	20	24	25					
6/19/2011	22	16	25		35	27	23	25	39	26					
6/20/2011	17	12	12		13	12	15	11	14	14		21	23		
6/21/2011	23	16	24		16	15	18	16	19	21					24
6/22/2011	28	20	21		18	19	23	18	22	25	21				
6/23/2011	24	15	19		16	16	23	17	26	22	18				3
6/24/2011	21	15	16		14	13	15	12	17	19	14				
6/25/2011	26	15	16		14	14	14	13	23	25	14				
6/26/2011	19	16	15		15	14	15	15	17	19	15	22	20		
6/27/2011	21	16	17		13	15	22	13	20	23	17				
6/28/2011	28	18	24		24	21	35	17	20	36	20				45
6/29/2011	33	34	107		89	75	94	53	199	43	47				
6/30/2011	17	11	14		13	12	11		23	14	15				17
7/1/2011	21	22	14		12	15	15	5	18	18	14				22
7/2/2011	20	16	16		11	15	16	8	17	19	14	28	25		26
7/3/2011	43	40	39		31	35	38	32	42	45	35				83
7/4/2011	47	37	39		45	48	50	48	45	44	40				58
7/5/2011	32	22	25		24	22	20	18	26	30	20				22
7/6/2011	23	29	18		21	16	15	15	18	21	15				47
7/7/2011	28	11	19		13	13	15	13	14	21	17				15
7/8/2011	26	15	19		17	18	21	13	21	18	17	28	31		30
7/9/2011	17	12	17		12	13	14	11	16	16	15				23
7/10/2011	15	12	13		11	13	18	9	17	15	13				19
7/11/2011	14	10	11		9	11	16	7	14	11	11				22
7/12/2011	21	18	18		15	16	18	14	17		16				29
7/13/2011	23	23	20		18	18	22	17	22		19				24
7/14/2011	20	17	16		16	15	17	13	26		45		18		21
7/15/2011	20	18	17		15	15	19	14	18		16				20
7/16/2011	19	18	16		15	15	18	14	18	21	14				20
7/17/2011	15	15	13		11	11	17	11	14	23	12				18
7/18/2011	15	11	14		12	11	21	11	14	17	11				20
7/19/2011	25	23	17		15	20	34	14	30	23	15				27
7/20/2011	22	28	25		25	30	32	23	42	29	22		23		24
7/21/2011	25	28	20		20	21	29	18	31	26	21				25
7/22/2011	29	23	22		21	21	24	20	25	24	26				24
7/23/2011	18	18	16		15	15	15	15	16	19	15				16
7/24/2011	16	13	12		15	12	17	12	15	16	11				24
7/25/2011	18	31	25		16	22	29	15	31	27	22				25
7/26/2011	36	43	29		33	35	37	28	59	38	27		22		27
7/27/2011	20	40	21		18		40		40	27	17				20
7/28/2011	41	36	26		18		32		43	45	22				26

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Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest- California Ave	Ridgecrest- Ward	Trona
7/29/2011	26	17	16		19	19	16	16	18	26	15				36
7/30/2011	12	13	15		11	9	15	12	14	15	12				16
7/31/2011	10		11		8	9	13	12	11	10	10				15
8/1/2011	10		11		12	16	12		15		10	14	17		13
8/2/2011	13		11		11	9	16		13		10				10
8/3/2011	14		12		15	12	18		19	13	12	17			19
8/4/2011	22	33	29		21	23	35		35	31	31				21
8/5/2011	20	24	19		19	21	25		26	27	18				25
8/6/2011	19	22	17		15	15	22		20	21	18				24
8/7/2011	15	16	15		14	13	17		18	18	16	25	20		22
8/8/2011	16	16	14		14	13	16		20	16	13				24
8/9/2011	21	17	14		14	13	15		22	16	15				23
8/10/2011	23	18	17		16	15	15		24	19	18				28
8/11/2011	23	19	20		18	18	17		31	21	22				26
8/12/2011	24	21	22		21	20	20		24	23	22				26
8/13/2011	21	17	18		18	14	15		19	20	17	26	29		30
8/14/2011	21	20	19		19	16	18		21	23	19				26
8/15/2011	21	16	17		17	15	16		23	20	16				22
8/16/2011	16	13	14			12	13		17	15	12	17			18
8/17/2011	22	13	13		13	11	14		16	14	12				19
8/18/2011	22	16	16		14	13	13		27	17	14				30
8/19/2011	29	24	23		23	21	21		23	26	22		27		32
8/20/2011	18	14	15		16	14	17		16	17	15				21
8/21/2011	17	16	16		14	13	18		17	22	18				22
8/22/2011	17	13	13		11	11	12		21	15	13				23
8/23/2011	19	14	15		13		13		21	17	13				27
8/24/2011	17	11	13		12		13		21	14	12				29
8/25/2011	25	9	10		8	10	11		15	22	12	20	23		26
8/26/2011	17	11	12		28	13	10		16	15	8				27
8/27/2011	19		14		20	15			21	16	13				
8/28/2011	16		14		14	14			16	15	14				
8/29/2011	16		6		7	7			11	9	9				
8/30/2011	16		10		8	8	12		16	12	10	21			
8/31/2011	23		21		16	17	15		25	21	19		26		
9/1/2011	19		15		16	16	16		18	16	14				
9/2/2011	16		15		13	12	14		19	15	13				
9/3/2011	15		14		14	13	11		18	15	13				
9/4/2011	16		14		13	12	14		20	15	13				
9/5/2011	18		16		15	14	9		25	17	16				
9/6/2011	17		13		13	13	11		15	16	13	24	30		
9/7/2011	18		12		12	15	8		16	20	11				19

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Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest-California Ave	Ridgecrest-Ward	Trona
9/8/2011	23		11		11	9	9		14	13	16	27			29
9/9/2011	17		16		44	17	14		21	15	14				24
9/10/2011	15		13		25	16	22		24	13	21				21
9/11/2011	13		13		18	11	9		12	14	14				19
9/12/2011	14		12		13	12			14	13	11	22	21		19
9/13/2011	25		23		20	20			23	21	20				33
9/14/2011	22		18		20	18			20	20	18				17
9/15/2011	16		15		14	12			17	15	13				25
9/16/2011	20		18		16	15			17	20	19				29
9/17/2011	18		16		18	16			21	18	16				22
9/18/2011	17		16		16	15			20	18	15	17	27		22
9/19/2011	13		13		12	11			25	14	12				19
9/20/2011	12		11		11	10	12		20	12	10	20			22
9/21/2011	12		12		10	10	12		32	13	10				26
9/22/2011	11		11		11	10	14		20	12	9				22
9/23/2011	15		12		13	10	11		15	13	11				26
9/24/2011	13		12		14	14	15		17	15	11	18	24		20
9/25/2011	16		16		14	13	12		16	16	14				26
9/26/2011	15		13		14	12	13		22	14	11				20
9/27/2011	15		13			15	13		25	14	12				16
9/28/2011	13		10		9	12	16		24	13	14				17
9/29/2011	16		11		10	11	15		18	14	8				24
9/30/2011	22		14		64	36	26		37	21	12	13	32		31
10/1/2011	8		7		5	5	8		25	8	4				12
10/2/2011	8		6		4	5	6		7	7	4				19
10/3/2011	13		10		16	9	13		21	13	10				23
10/4/2011	16		13		20	16	12		16	14	13				21
10/5/2011	7		15		20	13	7		14	22	66				35
10/6/2011	5	8	5		7	5	5		6	6	4	4	4		8
10/7/2011	4	5	4		4	4	6		5	4	3				4
10/8/2011	6	5	5		5	5	7		7	5	4				8
10/9/2011	6		5		5	4	10		5	6	5				7
10/10/2011	11	8	8		7	7	8		8	10	7				13
10/11/2011	12	8	10		9	9	9		11	9	8				16
10/12/2011	12	8	10		9	8	10		10	8	7	8	25		14
10/13/2011	9	9	9		8	9	10		12	9	7				12
10/14/2011	11	9	7		9	9	14	10	11	9	8				15
10/15/2011	11	9	7		9	8	11	9	9	10	8				21
10/16/2011	9	9	7		8	8	8	8	9	10	8				25
10/17/2011	9	9	7		18	8	9	8	13	13	6				15
10/18/2011	9	9	6		9	7	10	7	10	8	6	6	25		9

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Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest- California Ave	Ridgecrest- Ward	Trona
10/19/2011	11	8	7		15	7	8	7	8	9	7				19
10/20/2011	10	9	8		13	8	17	8	18	11	8				22
10/21/2011	13	11	10		39	9	10	10	14	12	10				18
10/22/2011	10	10	7		15	9	9	9	19	11	8				16
10/23/2011	9	8	6		9	7	8	7	12	9	7				15
10/24/2011	15	9	8		13	8	11	11	11	11	8		24		31
10/25/2011	30	27	34		258	34	30	58	61	84	55				35
10/26/2011	31	19	16		210	24	40	30	34	56	18				26
10/27/2011	15	9	7		29	13	9	10	18	16	9				16
10/28/2011	14	8	5		9	8	5	7	9	15	5				20
10/29/2011	10	9	7		8	8	22	8	10	11	6				18
10/30/2011	9	8	7		8	7	8	8	10	11	6	7	26		16
10/31/2011	10	8	8		9	8	1	9	15	11	7				34
11/1/2011	43	24	23		179	69	61	71	74	47	42				41
11/2/2011	10	8	6		13	7	14	8	14	9	8				12
11/3/2011	24	33	33		137	48	89	82	52	38	30				46
11/4/2011	12	7	12		25	14	19	13	11	9	9				25
11/5/2011	7	7	6		7	6	14	6	8	7	6	7			5
11/6/2011	6	7	6		7	6	8	6	8	7	7				7
11/7/2011	6	6	5		16	5	9	6	7	6	6				8
11/8/2011	7	8	6		69	7	12	8	8	8	7				11
11/9/2011	10	9	7		10	9	15	8	11	8	9				13
11/10/2011	10	10	7		28	7	15	8	9	9	8				21
11/11/2011	10	10	9		11	9	11	9	11	10	9	5	23		17
11/12/2011	6	6	6		7	6	10	6	6	6	7				12
11/13/2011	6	6	6		6	6	11	6	7	6	7				11
11/14/2011	8	10	8		8	8	11	8	8	8	9				14
11/15/2011	7	8	7		8	7	13	7	10	7	8				12
11/16/2011	9	8	8		10	8	11	8	15	8	9				13
11/17/2011	8	8	7		9	7	10	7	9	8	7	7	14		11
11/18/2011	16	40	14		14	16	29	24		36	198				31
11/19/2011	8	25	18		31	23	15	30		13	393				9
11/20/2011	6	6	8		9	6	3	11		6	15				8
11/21/2011	4	4	4		4	4	9	4		4	5				5
11/22/2011	5	5	5		5	5	17	5		5	7				6
11/23/2011	5	5	5		5	5	9	5		5	2	1	15		9
11/24/2011	7	7	7		10	7	8	7	8	7	5				9
11/25/2011	6	8	7		8	7	10	7	9	8	6				11
11/26/2011	7	8	6		7	7	11	6	8	8	6				19
11/27/2011	6	8	7		8	7	11	7	8	8	6				15
11/28/2011	8	9	8		9	7	16	8	13	9	9				15

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Daily PM10	Sites														
Date	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest-California Ave	Ridgecrest-Ward	Trona
11/29/2011	9	14	5		13	10	13	5	15	8	7	2	24		19
11/30/2011	219	179	182		524	462	104	454	202	779	175				93
12/1/2011	189	66	170		13380	3444	107	552	484	124					106
12/2/2011	44	41	53		243	153	36	55	100	70	42				28
12/3/2011	38	26	28		117	124	15	40	58	61	27				24
12/4/2011	9	9	7		43	18	15	10	8	11	6				15
12/5/2011	10	8	6		30	17	10	5	8	13	5	4	12		8
12/6/2011	8	9	5		14	9	12	6	10	8	10				17
12/7/2011	12	7	6		7	5	14	6	9	14	5				17
12/8/2011	12	8	8		7	6	16	6	10	11	6	4	29		20
12/9/2011	10	7	6		27	6	13	5	8	7	5				26
12/10/2011	11	7	5		7	6	15	5	7	7	4				15
12/11/2011	13	7	12		7	5	20	6	7	7	5	3	18		19
12/12/2011	11	12	9		12	8	19	13	15	10	9				21
12/13/2011	7	9	13		13	8	22	11	12	7	7				8
12/14/2011	7	9	10		9	8	22	8	10	8	7				12
12/15/2011	12	8	98		12		18	12	16	17	8				9
12/16/2011	29	14	11		34		19	29	25	87	12				10
12/17/2011	10	15	6		25		7	9	10	12	7	3	7		7
12/18/2011	6	7	15		6		20	6	6	6	5				10
12/19/2011	13	8	36		43		13	18	17	9	17				13
12/20/2011	14	26	17		34		8	21	25	19	8				12
12/21/2011	15	14	18		112		20	38	35	32	16				15
12/22/2011	23	21	11		81		14	31	22	75	14				10
12/23/2011	8	16	6		14		11	7	10	13	7	7	20		15
12/24/2011	5	7	6		6		10	5	7	6	5				20
12/25/2011	5	7	6		6		12	5	10	7	5				19
12/26/2011	6	8	9		9		16	6	11	9	6				23
12/27/2011	9	13			9		18	9	18	9	6				21
12/28/2011	8	11			11	13	17	7	14	10	7				33
12/29/2011	9	14			12	10	27	10	13	10	3	7	45		34
12/30/2011	9	11			11	9	16	9	12	11	5				33
12/31/2011	8	9			9	8	16	7	10	11	4				26
1/1/2012	7	9			9	8	13	7	9	10	5				28
1/2/2012	8	10			8	7	14	7	11	10	6				30
1/3/2012	11	15			17	13	17	8	21	11	7				32
1/4/2012	9	11			31	12	15	7	19	10	6	4	43		27
1/5/2012	8	9			11	10	21	6	17	10	6				29
1/6/2012	8	12			9	10	24	6	20	9	6				21
1/7/2012	42	36			52	51	48	49	67	53	38				20
1/8/2012	17	39			15	7	9	10	10	26	7				13

App A- Daily Average PM10 for Coso Junction PM10 Planning Area and Surrounding Monitoring Stations 2010-2020

Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest- California Ave	Ridgecrest- Ward	Trona
1/9/2012	9	9			8	7	17	6	24	7	5				22
1/10/2012	7	9	8		12	8	14	6	16	8	5	6	29		19
1/11/2012	8	10	8		9	9	17	6	21	9	6				24
1/12/2012	7	9	7		13	10	16	8	17	9	6				23
1/13/2012	7	10	7		9	10	19	10	26	8	5				28
1/14/2012	5	8	6		8	6	19		10	8	5				20
1/15/2012	13	10	9		13	7	19		12	8	16				54
1/16/2012	10	19	20		27	22	27		33	17	36	12	15		22
1/17/2012	14	13	12		13	13	18		18	12	11				22
1/18/2012	11	13	13		13	12	21	11	24	14	12				13
1/19/2012	23	14	12		13	13	17	11	24	17	10				15
1/20/2012	10	20	28		83	41	24	63	34	26	94				14
1/21/2012	5	15	20		49	56	34	47	80	10	57				57
1/22/2012	4	4	4		5	4	3	4	4	4	4		9		6
1/23/2012	5	5	4		7	6	1	6	6	5	6				10
1/24/2012	4	4	4		4	4	9	4	5	4	4	4			9
1/25/2012	5	5	4		8	7	13	5	13	5	5				10
1/26/2012	5	5	5		13	6	12	6	8	5	5				13
1/27/2012	5	4	5		29	8		8	15	10	5				8
1/28/2012	5	6	5		6	5		4	8	6	4	2	14		7
1/29/2012	4	5	4		6	4		4	5	4	4				18
1/30/2012	6	6	6		8	7			18	6	5				26
1/31/2012	9	8	6		8	9			20	7	13				22
2/1/2012	8	7	6		35	8			11	11	4				23
2/2/2012	13	17	10		44	16			26	17	9				22
2/3/2012	9	8			6	7			20	8	3	3	12		7
2/4/2012	7	6			5	5			7	6	4				13
2/5/2012	5	5			5	6			6	5	4				8
2/6/2012	8	7			7	9			17	6	5				16
2/7/2012	8	11			8	8			22	7	6				23
2/8/2012	7	7			8	8			11	7	7				10
2/9/2012	5	7	5		7	8		6	16	5	5	2			12
2/10/2012	7	5	5		6	6		6	20	6	4				13
2/11/2012	7	8	8		9	8		8	10	7	7				11
2/12/2012	5	5	5		6	5		5	6	5	5				9
2/13/2012	72	38			60	23		32	63	25	27				75
2/14/2012	6	5			29	5		9	12	9	5				7
2/15/2012	24	15	19		139	45		43	88	57	31	2	10		14
2/16/2012	17	15	17		127	13		27	12	46	20				7
2/17/2012	7	6	5		4	7		5	27	6	5		15		11
2/18/2012	7	7	6		4	7		6	10	7	6				14

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Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest- California Ave	Ridgecrest- Ward	Trona
2/19/2012	9	9	12		11	9		10	14	9	8				10
2/20/2012	11	11	10		9	10		10	18	11	9				10
2/21/2012	12	13	14		12	13		12	21	14	11	6			23
2/22/2012	7	9	9		5	7		9	14	8	8		19		26
2/23/2012	13	11	19		29	17		11	18	16	17				28
2/24/2012	10	10	8		9	9		7	18	9	5				20
2/25/2012	12	9	74		30	9		17	13	22	13				17
2/26/2012	14	28	36		20	38		21	37	26	13				20
2/27/2012	10	15			20	50		17	114	10	26	6	12		48
2/28/2012	8	6			5	5		6	7	6	5				9
2/29/2012	23	180	32		44	27		56	29	104	94				35
3/1/2012	21	15	133		92	19		36	25	66	29				21
3/2/2012	27	14	51		20	9		16	15	30	9				14
3/3/2012	10	10	7		7	6		6	9	9	6				11
3/4/2012	7	6	5		5	5		6	7	7	8	3	16		19
3/5/2012	11	6	5		6	6		5	17	6	5				13
3/6/2012	173	71	858		612	734		491	1535	278	549				
3/7/2012	126	90	322		517	180		156	115	485	54				
3/8/2012	12	14	10		17	10		10	20	12	9				
3/9/2012	14	12	11		10	11		11	18	12	10				
3/10/2012	12	12	14		9	12		11	36	12	9	13	19		
3/11/2012	23	18	22		25	19		26	22	17	42				
3/12/2012	17	25	53		23	38		27	354	29	27				
3/13/2012	18	21	45		48	34		53	63	20	40				
3/14/2012	11	10	8		10	30		9	28	20	8				
3/15/2012	10	8	8		8	12		8	21	11	6				
3/16/2012	14	39	44		54	197		39	281	20	203	9	19		
3/17/2012	4	42	16		40	56		35	19	6	43				
3/18/2012	5	2	3		4	2		4		4	3				
3/19/2012	7	7	6		6	4		6	9	6	5				
3/20/2012	11	11	8		7	7		8	22	8	7				
3/21/2012	10	10	8		8	8		8	27	8	8				
3/22/2012	10	9	25		8	14		7	48	8	14	5	20		
3/23/2012	13	19	19		12	19		12		13	15				
3/24/2012	10	12	21		39	30		19		10	11				
3/25/2012	6	6	9		14	19		11		6	15				
3/26/2012	6	6	6		6	5		6		5	7				
3/27/2012	11	12	33		17	18		19		10	16				
3/28/2012	19	15	14		11	12		9		10	12	8	9		
3/29/2012	14	11	7		10	9		9	19	9	7				
3/30/2012	11	9	8		9	10		9	19	9	7				

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Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest- California Ave	Ridgecrest- Ward	Trona
3/31/2012	25	38	77		121	734		83	362	32	642				
4/1/2012	14	9	19		74	36		34	17	12	21				
4/2/2012	10	13	11		11	9		9	27	12	12				
4/3/2012	15	11	10		15	16		10	22	10	9	7	13		
4/4/2012	18	15	16		19	30		14	133	25	16				
4/5/2012	12	13	11		47	34	11	19	38	15	24				
4/6/2012	10	10	10		11	9	12	9	18	10	10				
4/7/2012	14	15	16		16	14	15	15	53	14	15				
4/8/2012	19	21	20		21	19	27	21	40	21	20				
4/9/2012	20	22	24		24	24	39	31	50	21	20	16	27		
4/10/2012	17	20	24		39	61	39	16	68	17	21				
4/11/2012	33	42	20		15	27	13	15	154	12	27				
4/12/2012	20	33	16		21	26	10	15	60	19	36				
4/13/2012	8	11	19		10	10	23	9	50	8	11				
4/14/2012	8	7	9		84	25	6	20	22	15	7				
4/15/2012	9	9	9		9	9	9	9	5	11	8	4	6		
4/16/2012	10	8	8		9	8	9	8	32	8	11				
4/17/2012	10	9	9		10	9	11	9	27	10	10				
4/18/2012	13	13	14		13	11	10	12	18	12	13				
4/19/2012	14	14	8		9	7	22	8	16	14	7				
4/20/2012	12	10	5		7	7		6	12	13	4				
4/21/2012	10	9	13		8	8		9	24	24	8	11			
4/22/2012	10	11	10		14	10		10	10	12	10				
4/23/2012	19	17	16		49	25		25	72	17	20				
4/24/2012	40	16	12		12	13	16	12	31	14	12				
4/25/2012	20	10	13		8	10	18	10	37	9	17				
4/26/2012	9	19	13		31	18	20	33	44	20	269				
4/27/2012	27	26	24		26	26	23	25	35	24	21	12	23		
4/28/2012	20	19	17		17	17	17	16	16	22	14				
4/29/2012	16	16	14		15	14	14	15	15	28	14				
4/30/2012	25	22	22		23	24	25	25	45	23	22				
5/1/2012	17	15	13		17	15	16	17	43	14	16		21		
5/2/2012	23	24	22		25	24	22	24	55	22	26				
5/3/2012	19	15	18		22	18	22	20	41	19	18	28	25		
5/4/2012	14	13	16		20	14	16	16	37	14	14				
5/5/2012	30	31	99		88	35	38	59	62	55	31				
5/6/2012	21	21	52		56	21	19	33	30	31	20				
5/7/2012	21	24	23		48	70	21	28	77	29	22				
5/8/2012	14	16	14		20	16	15	16	23	15	13				
5/9/2012	17	17	16		19	20	17	16	41	18	17	16	21		
5/10/2012	21	19	22		60	29	27	26	56	21	25				

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Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest- California Ave	Ridgecrest- Ward	Trona
5/11/2012	28	28	28		31	24	26	27	46	28	23				
5/12/2012	20	20	18		19	18	17	17	27	20	16				
5/13/2012	15	16	13		15	16	15	14	19	16	12				
5/14/2012	20	21	69		32	51	68	29	76	30	48				
5/15/2012	14	15	13		15	14	11	13	18	15	11	25	18		
5/16/2012	24	24	22		23	22	24	23	49	24	25				
5/17/2012	62	232	65		36	43	28	28	125	82	80				
5/18/2012	25	22	52		41	27	21	29	32	27	21				
5/19/2012	22	24	21		20	22	20	20	53	24	20				
5/20/2012	24	23	22		22	23	22	23	33	25	22				
5/21/2012	28	22	21		19	28	22	19	71	25	21	38	32		
5/22/2012	15	14	14		40	30	17	30	60	17	20				
5/23/2012	19	18	29		55	23	20	24	62	20	25				
5/24/2012	31	31	28		54	29	25	32	68	47	27				
5/25/2012	26	19	82		231	3916	168	712	358	38	2149				
5/26/2012	9	13	12		19	26	7	11	8	14	13				
5/27/2012	9	10	9		8	9	10	9	6	13	9	12			
5/28/2012	12	13	13		12	17	14	11	14	14	20				
5/29/2012	15	16	19		15	23		16	50	15	24				
5/30/2012	15	14	15		15	14		12	34	15	12				
5/31/2012	14	15	14		17	12		11	31	15	15				
6/1/2012	19	18	18		27	40	23	21	135	21	17				
6/2/2012	54	44	42		41	34	32	35	39	53	33	35	32		
6/3/2012	34	50	35		38	49	29	35	56	50	35				
6/4/2012	35	68	55		103	684	73	94	342	79	236				
6/5/2012	19	22	24		57	40	20	27	82	28	34				
6/6/2012	13	14	13		15	12	11	14	29	17	10				
6/7/2012	13	14	13		13	14		12	64	14	15				
6/8/2012	22	19	18		26	22		21	42	19	29	32	33		
6/9/2012	38	36	277		342	101		128	102	197	60				
6/10/2012	25	21	41		111	28		33	21	50	16				
6/11/2012	20	21	20		21	19		17	56	24	17				
6/12/2012	20	21	20		21	23		21	47	28	20				
6/13/2012	21	42	16		20	18		14	41	21	22				
6/14/2012	23	33	22		23	30		20	58	24	22	25	28		
6/15/2012	22	24	21		21	21		21	45	23	19				
6/16/2012	20	22	23		21	21		19	21	22	18		27		
6/17/2012	14	13	16		14	19		13	31	15	18				
6/18/2012	37	14	17		26	16		16	42	18	16				
6/19/2012	23	17	16		19	17		18	44	17	19				
6/20/2012	23	20	18		20	21		20	193	20	17	37	32		

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Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest- California Ave	Ridgecrest- Ward	Trona
6/21/2012	34	25	39		30	128		26	385	32	39				
6/22/2012	20	18	24		22	35		19	50	20	28				
6/23/2012	13	21	82		31	593		25	18	21	39				
6/24/2012	16	24	52		40	410		43	36	20	22				
6/25/2012	19	17	39		17	234		15	121	18	34				
6/26/2012	17	14	14		14	18		13	28	15	15	24	19		
6/27/2012	18	9	19		18	42		15	62	18	17				
6/28/2012	20	15	20		46	23		19	41	19	19				
6/29/2012	21	16	17		15	15		14	34	17	15				
6/30/2012	18	19	17		17	19		15	17	19	16				
7/1/2012	18	20	17		17	18		16	16	20	17				
7/2/2012	16	13	13		15	15		12	27	14	16	18	17		
7/3/2012	22	16	18		19	37		15	32	19	17				
7/4/2012	23	22	25		19	18		17	17	24	34				
7/5/2012	34	34	32		29	30		26	29	31	29				
7/6/2012	23	18	17		18	17		17	16	19	17				
7/7/2012	13	12	11		15	12		12	11	13	15				
7/8/2012	13	12	10		10	10		9	11	12	10	19	21		
7/9/2012	21	17	17		19	17		13	36	17	26				
7/10/2012	20	17	17		17	17		16	21	17	20				
7/11/2012	17	16	16		24	17		16	43	16	17				
7/12/2012	32	31	27		36	36		24	71	34	33				
7/13/2012	15	21	17		20	33		18	40	19	18				
7/14/2012	16	17	18		20	24		18	29	19	19	27	24		
7/15/2012	14	14	15		15	15		13	15	16	13				17
7/16/2012	20	21	25		18	99		15	147	22	25				15
7/17/2012	30	28	30		26	82		22	73	29	28				17
7/18/2012	22	18	19		19	34		16	55	17	15				14
7/19/2012	16	11	11		11	14		10	69	12	11				18
7/20/2012	14	11	11		11	11		10	28	13	10				17
7/21/2012	15	14	13		13	13		13	17	16	13				19
7/22/2012	17	18	15		18	18		17	17	17	18				27
7/23/2012	23	19	18		20	24		17	28	19	17				
7/24/2012	17	11	12		10	13		9	30	14	10				24
7/25/2012	15	12	13		13	12		13	34	15	14				17
7/26/2012	21	17	19		18	16		13	33	19	17	20	22		22
7/27/2012	22	21	22		20	20		18	24	25	25				31
7/28/2012	20	19	21		17	19		15	17	21	18				24
7/29/2012	12	12	12		13	13		11	11	13	12				17
7/30/2012	25	21	24		19	18		17	20	22	18				32
7/31/2012	26	25	27		36	42		30	70	25	25				32

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Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest- California Ave	Ridgecrest- Ward	Trona
8/1/2012	19		16		18			17		17	17	22	15		
8/2/2012	17		14		14			14		18	15				
8/3/2012	18	24	20		24			20		19	23				
8/4/2012	14	13	13		16			15		15	35	22			
8/5/2012	18	17	17		17			17		18	16				
8/6/2012	18	14	14		15			14		16	15				
8/7/2012	20	18	19		18			17		19	20	20	22		
8/8/2012	20	17	17		20			18		19	17				22
8/9/2012	16	14	15		16			14	59	18	16				32
8/10/2012	19	13	14		21			15	32	16	20		35		35
8/11/2012	23	19	21		21			23	19	23	22				62
8/12/2012	17	16	17		26			18	16	17	17				23
8/13/2012	15	20	16		75			22	28	15	14	19	29		17
8/14/2012	14	14	21		60			15	27	14	14				26
8/15/2012	14	12	15		13	12		13	21	13	13				29
8/16/2012	21	20	22		21			22		21	20				26
8/17/2012	22	22	22		22			19		24	20				29
8/18/2012	26	22	23		131			30	26	29	22				25
8/19/2012	14	13	13		14			14	13	15	14	21	20		26
8/20/2012	20	16	17		16			18	29	18	16				32
8/21/2012	21	17	18		18			18	23	19	17				27
8/22/2012	22		15		16	14		16	14	23					
8/23/2012	14	10	9		9	10		10	12	13	11				
8/24/2012	18	16	17		18	16		16	17	18	17				
8/25/2012	19	18	17		15	15		16	17	20	16	19	22		20
8/26/2012	16	16	16		15	15		13	17	18	15				
8/27/2012	9	8			7			7	19	7	8				
8/28/2012	14	9			9	8		11	16	10	12				
8/29/2012	13	10			16	10		12	18	11	11				
8/30/2012	24	22			19	19		20	24	20	21				
8/31/2012	23	21			23	22	22	24	25	21	24	27	28		26
9/1/2012	19	17			16	16	17	16	15	17	20				
9/2/2012	14	12			13	12	10	13	9	14	13				
9/3/2012	13	10			11	11	10	11	9	12	12				23
9/4/2012	12	10			10	12	10	9	11	11	10				30
9/5/2012	16	13	14		14	14	13	13	13	13	16				27
9/6/2012	10	9	9		10	9	9	9	15	9	10	12	15		21
9/7/2012	10	9	10		9	9	11	8	13	10	10				10
9/8/2012	10	10	13		11	10	11	9	8	11	11				20
9/9/2012	15	13	13		13	12	12	12	11	14	13				26
9/10/2012	37	36	39		31	33	29	31	55	35	36				39

App A- Daily Average PM10 for Coso Junction PM10 Planning Area and Surrounding Monitoring Stations 2010-2020

Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest- California Ave	Ridgecrest- Ward	Trona
9/11/2012	26	26	31		34	30	27	35	37	29	28				25
9/12/2012	11	10	10		11	12	13	9	13	12		13	17		12
9/13/2012	8	8	9		8	8	8	7	14	9					11
9/14/2012	10	10	9		8	8	6	8	10	11					16
9/15/2012	9	13	8		8	8	10	8	8	10	8				15
9/16/2012	16	18	15		15	15	14	15	13	15	13				22
9/17/2012	16	17	19		17	19	15	16	21	17	15				21
9/18/2012	16	14	14		14	16	15	13	20	15	12	15	22		15
9/19/2012	16	18	13		14	14	17	14	23	17	13				20
9/20/2012	17	17	14		13	14	12	12	21	16	13				24
9/21/2012	16	15	15		14	14	12	12	17	16	14				20
9/22/2012	11	9	12		10	10	11	9	14	12	9				25
9/23/2012	33	15	11		12	10	8	9	9	15	11				19
9/24/2012	22	11	12		13	14	15	12	20	15	12	17	24		38
9/25/2012	16	15	15		18	14	14	17	14	16	14				
9/26/2012	15	11	16		15	12	12	9	10	15	10				23
9/27/2012	16	11	16		15	11	13	10	12	18	10				16
9/28/2012	13	12	12		12	13	13	10	12	13	12				21
9/29/2012	12	11	11		11	13	12	11	15	13	11				14
9/30/2012	9	12	10		11	10	13	9	12	12	9	17	26		15
10/1/2012	11	10	15		11	14	18	10	13	14	10				17
10/2/2012	17	15	19		13	15	18	12	12	17	14				25
10/3/2012	22	23	24		22	22	19	21	23	23	21				32
10/4/2012	27	24	27		25	24	30	22	21	26	23				22
10/5/2012	20	20	20		23	22	24	21	17	20	20				32
10/6/2012	17	17	17		18	17	16	17	17	18	19		26		29
10/7/2012	17	16	16		16	17	17	15	15	15	17				17
10/8/2012	17	11	13		12	13	15	14	12	13	10				21
10/9/2012	24	12	15		15	12	15	12	12	19	13				28
10/10/2012	10	8	7		10	7	10	7	5	9	7				17
10/11/2012	17	11	13		12	10	11	12	7	11	10				12
10/12/2012	5	5	5		5	5	5	5	2	5	5	7			7
10/13/2012	7	6	7		7	7	10	7	5	7	6				10
10/14/2012	6	6	7		7	7	9	7	4	6	7				10
10/15/2012	8	7	8		9	8	11	8	5	8	8				14
10/16/2012	8	8	8		8	9	9	8	5	8	7	19			12
10/17/2012	17	16	18		16	18	20	14	18	17	17				25
10/18/2012	18	16	18		18	20	18	17	16	17	17	15	37		25
10/19/2012	20	17	17		18	17	17	17	14	18	16				24
10/20/2012	22	20	20		21	21	18	20	20	20	20		26		37
10/21/2012	16	17	17		22	20	17	20	18	15	21				23

App A- Daily Average PM10 for Coso Junction PM10 Planning Area and Surrounding Monitoring Stations 2010-2020

Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest- California Ave	Ridgecrest- Ward	Trona
10/22/2012	29	26	252		91	100	70	68	90	48	246				58
10/23/2012	9	15	24		15	13	15	20	14	10	119				21
10/24/2012	10	14	10		20	9	10	9	13	7	14	12			13
10/25/2012	11	9	9		10	10	8	7	8	9	8				17
10/26/2012	7	7	6		9	8	9	7	5	9	5		21		12
10/27/2012	6	6	6		7	6	12	6	4	8	5				11
10/28/2012	6	6	6		6	6	7	5	3	7	4				11
10/29/2012	7	7	6		8	8	9	6	5	8	5				12
10/30/2012	11	8	8		8	7	10	6	5	9	6	7	29		21
10/31/2012	12	9	9		11	10	14	8	8	10	9				15
11/1/2012	22	9	8		11	8	8	8	10	10	7				22
11/2/2012	10	6	6		8	8	11	6	4	6	6				18
11/3/2012	8	8	8		13	9	8	7	6	8	7				15
11/4/2012	6	7	7		10	7	10	7	8	7	6				14
11/5/2012	6	7	7		7	7	17	7	10	8	6	5	22		20
11/6/2012	7	6	8		8	6	10	5	5	6	5				20
11/7/2012	8	8	8		8	7	8	5	5	8	6				14
11/8/2012	31	32	166		57	64	38	43	28	48	156				71
11/9/2012	9	11	39		67	29	17	36	15	18	42				66
11/10/2012	5	6	6		7	6	9	6	4	8	10				7
11/11/2012	7	7	7		9	7	13	7	6	8	7	6	22		11
11/12/2012	8	9	8		9	9	16	8	9	9	9				12
11/13/2012	9	9	10		14	10	18	9	9	10	8				21
11/14/2012	7	9	9		10	8	17	7	10	8	7				22
11/15/2012	11	9	11		13	9	12	8	8	10	8				26
11/16/2012	8	8	11		5	6	7	5	5	8	6				17
11/17/2012	6	5	12		5	6	11	4	6	6	10	3	8		11
11/18/2012	5	5	6		5	5	6	5	3	4	14				
11/19/2012	7	6	7		6	7	10	6	4	6	6				8
11/20/2012	11	12	11		8	8	13	7	6	8	10				10
11/21/2012	9	11	9		13	12	13	9	13	10	7				11
11/22/2012	7	9	8		9	9	12	8	8	9	6				14
11/23/2012	6	7	6		8	6	13	6	9	10	5	4	40		21
11/24/2012	6	9	7		15	8	14	7	9	10	5				24
11/25/2012	9	8	8		8	8	11	7	9	9	6				28
11/26/2012	8	8	9		9	8	11	8	6	12	6				22
11/27/2012	10	10	10		10	9	14	9	7	9	7				27
11/28/2012	16	21	35		19	16	29	25	13	18	34				39
11/29/2012	4	26	52		30	7	10	24	9	8	222	1	5		14
11/30/2012	16	222	140		114	711	40	167	119	145	215				23
12/1/2012	5	6	6		8	5	7	6	3	8	7				6

App A- Daily Average PM10 for Coso Junction PM10 Planning Area and Surrounding Monitoring Stations 2010-2020

Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest- California Ave	Ridgecrest- Ward	Trona
12/2/2012	19	48	112		49	880	16	44	63	35	90				80
12/3/2012	6	7	7		8	7	8	7	3	7	7				
12/4/2012	7		6		7	6	11	6	4	5	5				
12/5/2012	6	8	10		7	6	13	6	4	6	8	4	22		10
12/6/2012	5	6	5		7	6	15	6	4	6	4				
12/7/2012	22	6	5		7	6	15	4	4	8	4				
12/8/2012	15	6	5		6	6	15	5	4	7	4				
12/9/2012	11	6	6		73	14	15	15	8	7	6				
12/10/2012	13	7	6		8	7	12	5	4	8	3				53
12/11/2012	18	13	11		12	14	18	10	10	13	7	4	30		44
12/12/2012	15	15	23		11	155	37	12	12	11	9				40
12/13/2012	5	4	4		7	9	7	5	5	4	5				
12/14/2012	4	4	4		5	4	8	4	2	4	4				7
12/15/2012	4	5	4		5	4	8	4	1	5	4				6
12/16/2012	6	5	5		6	5	11	5	3	6	5				8
12/17/2012	5	5	6		5	5	12	5	2	5	4	1	9		7
12/18/2012	39	5	21		247	50	18	86	21	12	21				61
12/19/2012	13	6			24	5	12	7	4	21	6				8
12/20/2012	7	4			7	4	14	3	3	5	4				11
12/21/2012	7	8			21	22	16	18	25	5	10				20
12/22/2012	7	19			13	46	32	12	93	5	22				18
12/23/2012	3	9			6	7	8	5	4	6	25	1	8		6
12/24/2012	3	4			9	5	4	6	2	5	14				8
12/25/2012	5	6			6	5	5	5	3	6	5				
12/26/2012	5	4			4	5	2			4	4				8
12/27/2012	3	4			11	3	2			4	5				6
12/28/2012	4	3			4	3	3			4	4				10
12/29/2012	5	5			5	4	5			5	4	1	11		10
12/30/2012	4	4			44	4	5			8	4				11
12/31/2012	4	4			5	4	9			4	4				11
1/1/2013	5	5			5	5	3			5	5				12
1/2/2013	4	5			5	5	9			4	4				14
1/3/2013	5	6			6	5	6			5	5				15
1/4/2013	7	6			6	5	10			5	5	1	24		18
1/5/2013	6	6			5	5	7			5	4				17
1/6/2013	8	10			48	9	7			12	7				12
1/7/2013	17	14			167	20	9			38	16				8
1/8/2013	7	6			12	5	7			6	5				
1/9/2013	7	16			13	17	24			8	17				
1/10/2013	22	15			147	60	13			11	29	4	27		52
1/11/2013	5	5			9	4	6			5	5				6

App A- Daily Average PM10 for Coso Junction PM10 Planning Area and Surrounding Monitoring Stations 2010-2020

Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest- California Ave	Ridgecrest- Ward	Trona
1/12/2013	5	5			4	3	4			5	4				8
1/13/2013	7	6			10	7	14			10	18				7
1/14/2013	9	11			14	12	16			10	10				8
1/15/2013	13	10			10	10	10			10	11				20
1/16/2013	10	9			10	8	10			9	7	1	27		21
1/17/2013	8	8			8	6	10			7	6				27
1/18/2013	6	8			7	6	9			8	5				23
1/19/2013	6	9			7	7	10			7	5				24
1/20/2013	6	6			5	6	12			7	4				20
1/21/2013	6	7			6	5	13			9	5				31
1/22/2013	8	6			7	6	13			7	5	1	31		28
1/23/2013	9	13			11	13	19			14	7				35
1/24/2013	6	7			7	6	6			7	6				17
1/25/2013	4	4			4	3	6			4	4				21
1/26/2013	3	3			3	3	7			3	3				
1/27/2013	4	5			59	7	7			10	12				
1/28/2013	5	5			26	4	3			8	5	1	1		12
1/29/2013	23	43			101	121	40			85	21				9
1/30/2013	9	11			9	7	5			10	8				18
1/31/2013	8	6			10	6	9			8	5				17
2/1/2013	9	5			9	5	10			7	4				11
2/2/2013	5	7			6	6	8			5	4				12
2/3/2013	3	4			4	4	7			5	2	4	9		11
2/4/2013	4	5			5	5	7			6	4				12
2/5/2013	6	6			8	5	9			5	4				16
2/6/2013	7	9			10	8	14			7	7				18
2/7/2013	11	50			71	31	19			8	18				36
2/8/2013	6	7			20	9	12			6	6				13
2/9/2013	6	7			35	9	5			8	6	4	3		7
2/10/2013	13	17			28	38	18			22	16				8
2/11/2013	12	10			19	15	13			15	8				5
2/12/2013	8	5			7	10	10			6	4				8
2/13/2013	6	7			7	7	12			7	5				15
2/14/2013	8	8			10	7	8			8	8				9
2/15/2013	7	7			8	6	10			9	6	3	14		9
2/16/2013	6	6			6	6	9			7	5				11
2/17/2013	8	8			10	7	13			9	8				13
2/18/2013	12	17			12	15	17			19	13				21
2/19/2013	11	14			21	32	25			11	24				49
2/20/2013	39	52			529	87	25			236	21				14
2/21/2013	6	6			19	7	5			8	9	2	7		10

App A- Daily Average PM10 for Coso Junction PM10 Planning Area and Surrounding Monitoring Stations 2010-2020

Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest- California Ave	Ridgecrest- Ward	Trona
2/22/2013	8	5			8	5	8			6	4				14
2/23/2013	30	28			91	62	80			112	25				35
2/24/2013	15	15			19	7	5			21	8				9
2/25/2013	9	8			9	9	12			9	7				11
2/26/2013	17	16			14	16	15			17	11				20
2/27/2013	10	8			9	7	7			10	9	5	14		15
2/28/2013	13	7			10	10	13			13	5				12
3/1/2013	7	7			9	8	10			13	4				13
3/2/2013	6	8			10	11	12			13	10				14
3/3/2013	20	8			44	15	16			9	50				74
3/4/2013	5	6			6	6	5			6	4				11
3/5/2013	10	26			38	28	71			12	19	6	15		19
3/6/2013	39	120			59	55	29			35	447				67
3/7/2013	6	7			7	7	14			7	10				9
3/8/2013	5	7			8	8	9			6	6				5
3/9/2013	24	18			75	50	30			152	21				22
3/10/2013	11	11			17	10	11			26	7				11
3/11/2013	8	9			9	9	13			9	8	3	11		10
3/12/2013	9	9			10	9	18			10	8				10
3/13/2013	11	9			10	10	15			9	14				10
3/14/2013	8	9			9	10	15			9	11				13
3/15/2013	10	10			10	10	16			10	8				18
3/16/2013	16	14			35	24	17			14	15				30
3/17/2013	11	11			15	11	9			11	10	14	11		15
3/18/2013	8	9			10	9	13			9	8				27
3/19/2013	10	10			11	11	9			10	11				13
3/20/2013	18	10			19	14	11			12	63				22
3/21/2013	9	9			48	19	16			18	10				13
3/22/2013	24	19			84	28	29			31	21				27
3/23/2013	23	22			25	21	23			23	20		24		44
3/24/2013	26	25			23	23	23			28	22				22
3/25/2013	17	18			18	18	27			43	17				23
3/26/2013	23	13			15	12				20	11				27
3/27/2013	15	14			16	12				12	12				13
3/28/2013	14	9			12	9	12			9	9				9
3/29/2013	7	7			9	8	12			8	6	6	10		12
3/30/2013	10	9			9	9	13			10	8				11
3/31/2013	7	11			19	11	15			14	34				18
4/1/2013	6	7			7	8	11			6	6				7
4/2/2013	5	6			7	6	9			7	5				10
4/3/2013	8	8			8	12	10			9	7				11

App A- Daily Average PM10 for Coso Junction PM10 Planning Area and Surrounding Monitoring Stations 2010-2020

Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest- California Ave	Ridgecrest- Ward	Trona
4/4/2013	27	13			30	39	39			15	47	9			33
4/5/2013	15	11			12	11	17			12	11				11
4/6/2013	13	12			12	11	13			13	11				18
4/7/2013	22	22			41	36	29			24	26				26
4/8/2013	100	106			334	283	137			276	153				122
4/9/2013	54	29			361	157	28			240	33				42
4/10/2013	13	12			87	22	13			21	10	11			15
4/11/2013	17	11			14	14	15			13	11				15
4/12/2013	13	10			10	10	11			12	9				19
4/13/2013	19	11			13	11	16			14	11				24
4/14/2013	20	11			57	16	18			22	12				55
4/15/2013	25	15			65	34	35			112	50				155
4/16/2013	16	10			100	18	12			30	11	15			21
4/17/2013	13	10			90	12	12			42	11				14
4/18/2013	9	10			9	8	8			8	6				10
4/19/2013	10	10			9	9	13			11	8				17
4/20/2013	18	18			16	18	19			17	17				24
4/21/2013	19	21			20	19				20	19				23
4/22/2013	22	22			100	44				29	25	20	25		26
4/23/2013	59	49			318	78	60			167	56				46
4/24/2013	18	21			20	17				18	14				18
4/25/2013	20	17			16	16	21			17	15				22
4/26/2013	17	18			19	17				18	16				24
4/27/2013	20	19			19	18				21	18				32
4/28/2013	21	21			20	19				22	20	24	24		25
4/29/2013	27	22			24	21				23	23				35
4/30/2013	29	24			260	62				66	33		33		56
5/1/2013	57	40			424	59	55			194	40				53
5/2/2013	14	15			19	16	16			15	14		22		17
5/3/2013	18	14			16	13	13			18	12				13
5/4/2013	25	21			44	28	27			26	21	27	50		42
5/5/2013	29	33			48	40	58			34	339				27
5/6/2013	13	11			22	15	14			12	25				15
5/7/2013	7	6			5	5	3			6	6		7		10
5/8/2013	7	6			6	6	11			7	6				9
5/9/2013	9	9			23	10	6			27	10				11
5/10/2013	11	11			13	13	15			11	13	10	10		9
5/11/2013	14	13			12	12	12			15	15				13
5/12/2013	14	15			12	12	16			16	12				12
5/13/2013	17	14			14	14				13	14				19
5/14/2013	24	20			326	94	38			18	50				46

App A- Daily Average PM10 for Coso Junction PM10 Planning Area and Surrounding Monitoring Stations 2010-2020

Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest- California Ave	Ridgecrest- Ward	Trona
5/15/2013	19	13			16	15	13			15	12				24
5/16/2013	16	13			17	14	12			15	15	25	19		24
5/17/2013	11	8			8	7	8			8	11				19
5/18/2013	11	10			10	9	10			10	10				
5/19/2013	13	11			31	13	12			23	16				24
5/20/2013	14	14			20	13	16			19	13				11
5/21/2013	21	14			21	13	18			18	14				56
5/22/2013	24	16			83	25	20			15	53	43	56		88
5/23/2013	21	17			26	18	17			19	17				31
5/24/2013	18				25	17	26			20	20				33
5/25/2013	24	23			23	23	23			25	24				33
5/26/2013	20	19			19	17	19			21	19				25
5/27/2013	11	15			18	11	11			12	10				32
5/28/2013	11	6			22	8	18			11	7	15	11		17
5/29/2013	17	12			12	10	13			16	9				22
5/30/2013	16	14			13	13	18			14	11				34
5/31/2013	13	14			14	14	20			18	8				22
6/1/2013	11	11			11	10	13			11	10				16
6/2/2013	21	20			19	18	26			23	21				66
6/3/2013	34	35			30	29	46			31	32	29	41		45
6/4/2013	26	22			21	20	22			23	20				33
6/5/2013	19	15			15	14	21			16	14				30
6/6/2013	14	13			14	11	16			14	13				29
6/7/2013		13			15	11	20			15	12				29
6/8/2013		16			16	14	16			18	15				30
6/9/2013		28			32	26	28			31	32		31		27
6/10/2013	19	16			21	15	25			18	19				30
6/11/2013		13			12	11	23			14	13				17
6/12/2013		22			20	18	24			23	23				35
6/13/2013		9			24	14	21			10	27				45
6/14/2013		14			19	17	25			25	16				29
6/15/2013		18			16	15	14			20	16	18	27		31
6/16/2013		18			17	16	16			18	18				22
6/17/2013	17	16			16	16	20			16	16				35
6/18/2013	19	13			40	21	36			19	118				52
6/19/2013	11	11			18	10	13			12	12				25
6/20/2013	15	14			18	17	17			18	13				37
6/21/2013	19	21			21	21	28			23	21	25	25		39
6/22/2013	15	16			18	15	14			17	14				24
6/23/2013	21	16			18	19	18			19	27				39
6/24/2013	15	10			17	11	13			12	30				21

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Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest- California Ave	Ridgecrest- Ward	Trona
6/25/2013	16	10			10	9	16			14	11				16
6/26/2013	16	16			16	13	16			21					15
6/27/2013		15			14	12	14			20		25	20		21
6/28/2013		15			13	14	17			17					23
6/29/2013		18			18	18	19			19	20				23
6/30/2013		19			19	19	21			22	21				20
7/1/2013		24			96	43	41			29	27				28
7/2/2013		19			24	19	28			19	19				28
7/3/2013		19			104	69	27			33	37	26			32
7/4/2013		19			31	23	38			21	33				38
7/5/2013		13			15	16	19			13	18				25
7/6/2013		13			13	13	20			13	20				22
7/7/2013		10			10	10	11			11	11				14
7/8/2013		9			10	11	17			9	13				14
7/9/2013		9			11	12	17			10	11	10			14
7/10/2013		11			11	12	15			12	11		15		15
7/11/2013	11	11			10	9	17			11	11				16
7/12/2013		15			13	13	16			16	15				22
7/13/2013		11			11	10	13			12	11				15
7/14/2013		11			11	11	12			11	12				16
7/15/2013		12			12	12	23			15	13	12	17		
7/16/2013		20			26	17	22			22	21				
7/17/2013	20	19			17	19	20			20	18				
7/18/2013	33	30			21	22	28			27	25				
7/19/2013	31	30			27	31	31			28	31				
7/20/2013	32	33			32	31	34			34	36				
7/21/2013	28	32			132	50	37			34	45	19	20		
7/22/2013	12	12			15	14	39			12	13				
7/23/2013	7	6			8	7	34			7	7				7
7/24/2013	13	12			15	12	20			15	13				24
7/25/2013	18	17			19	16	13			19	20				32
7/26/2013	13	13			12	11	15			12	11				17
7/27/2013	8	7			8	6	18			7	7	13	9		7
7/28/2013	19	14			12	13	24			13	18				21
7/29/2013	29	14			27	23	13			15	26				20
7/30/2013	61	16			14	16	16			16	15		24		24
7/31/2013	75	17			16	17	21			19	23				24
8/1/2013	55	21			32	27	24			22	23				29
8/2/2013	54	24			24	23	27			23	23	21			32
8/3/2013	31	15			16	14	15			16	16				17
8/4/2013	21	14			13	12	12			15	14				19

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Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest- California Ave	Ridgecrest- Ward	Trona
8/5/2013	48	15			15	14	16			16	15				18
8/6/2013	56	17			18	17	16			17	18				28
8/7/2013	162	18			51	42	23			18	36				40
8/8/2013	50	15			29	25	19			14	25	16	16		18
8/9/2013	29	16			16	14	13			18	16				
8/10/2013	26	21			18	18	18			21	19				
8/11/2013	19	15			15	14	16			16	15				
8/12/2013	36	14			14	18	14			17	15				
8/13/2013	29	13			13	16	12			15	13				
8/14/2013	32	15			37	14	14			16	15	17			21
8/15/2013	59	17			17	17				19	17				29
8/16/2013	39	16			15	14	15			17	15				26
8/17/2013	19	16			14	15	17			17	16				25
8/18/2013	64	25			81	29	15			33	23				49
8/19/2013	14	10			12	13	12			11	9				
8/20/2013	17	8			10	10	9			10	9	13	14		12
8/21/2013	20	15			11	10	8			13	13				12
8/22/2013	39	14			15	11	9			16	15				17
8/23/2013	30				15	17	19			19	15				20
8/24/2013	33	31			31	29	28			30	38				38
8/25/2013	33	50			38	41	48			31	37				41
8/26/2013	29	23			25	23	23			22	26	15	15		9
8/27/2013	12	6			7	5	9			7	7				5
8/28/2013	24	11			11	10	8			12	13				13
8/29/2013	20	12			9	11	12			14	12				21
8/30/2013	24	22			22	21	26			22	23				25
8/31/2013	26	22			21	21	28			25	21				20
9/1/2013	21	16			16	14	11			17	18		19		16
9/2/2013	17	12			12	11	-1			13	15				15
9/3/2013	23	15			14	13	11			16	12		20		15
9/4/2013	25	14			13	13	14			15	13				21
9/5/2013	42	14			11	11	16			16	12				18
9/6/2013	30	8			9	8	9			9	9				24
9/7/2013	20	18			20	18	9			18	17	14	19		17
9/8/2013	47	32			27	33	28			25	43				22
9/9/2013	25	24			22	21	20			24	24				18
9/10/2013	31	18			18	20	19			18	17				26
9/11/2013	25	18			20	19	18			18	22				31
9/12/2013	32	28			29	25	24			27	28				37
9/13/2013	25	19			17	14	13			21	18	39	40		40
9/14/2013	20	17			17	17	18			21	18				33

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Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest-California Ave	Ridgecrest-Ward	Trona
9/15/2013	20	17			18	17	17			18	21				32
9/16/2013	21	13			17	14	15			16	15				23
9/17/2013	40	20			31	19	33			22	80				36
9/18/2013	22	16			19	18	18			17	21				39
9/19/2013	18	14			14	13	15			15	14	23	26		26
9/20/2013	49	29			29	27	28			31	35				36
9/21/2013	124	37			71	42	32			50	185				68
9/22/2013	11	7			13	8	9			13	8				15
9/23/2013	11	9			9	7	6			12	7				11
9/24/2013	23	12			9	10	9			11	32				20
9/25/2013	157	12			120	21	20			25	16		50		117
9/26/2013	27	10			89	8	7			21	9				17
9/27/2013	13	5			8	5	6			10	5				12
9/28/2013	7	5			5	5	6			16	5				7
9/29/2013	15	8			9	10	6			11	8				13
9/30/2013	16	10			15	11	10			12	10				16
10/1/2013	29	16			16	15	14			19	15	16	19		23
10/2/2013	24	14			13	12	12			17	14				32
10/3/2013	42	28			153	48	52			137	36				74
10/4/2013	21	14			81	14	12			46	14				36
10/5/2013	6	6			14	6	6			5	6				8
10/6/2013	6	8			6	6	7			8	6				11
10/7/2013	11	8			9	11	8			8	7	8	23		21
10/8/2013	19	14			12	13	14			15	14				28
10/9/2013	72	21			29	18	15			24	56				28
10/10/2013	11	9			7	9	13			8	8				17
10/11/2013	17	13			12	12	13			12	12				21
10/12/2013	18	15			12	13	14			14	13				23
10/13/2013	16	15			15	14	11			14	15	25	23		24
10/14/2013	7	6			6	6	8			6	6				12
10/15/2013	10	9			10	9	8			9	8				11
10/16/2013	12	9			9	9	10			10	8				10
10/17/2013	15	9			9	9	9			10	8				17
10/18/2013	13	9			9	9	10			9	9				22
10/19/2013	8	8			8	9	9			8	7	9	17		13
10/20/2013	12	9			8	9	10			9	8				10
10/21/2013	11	8			9	8	8			10	10				14
10/22/2013	12	9			7	8	9			12	9				13
10/23/2013	15	8			9	8	10			9	7				12
10/24/2013	10	8			11	8	10			9	8				11
10/25/2013	12	9			9	8	10			15	8		25		17

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Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest-California Ave	Ridgecrest-Ward	Trona
10/26/2013	10	10			8	8	11			12	8				14
10/27/2013	105	35			43	18	14			39	62				117
10/28/2013	109	16			36	38	21			69	72				167
10/29/2013	9	10			8	6	6			7	15				11
10/30/2013	5	5			5	5	8			6	9				14
10/31/2013	9	6			8	7	11			7	4	4	21		11
11/1/2013	7	6			7	7	11			8	2				14
11/2/2013	8	6			6	6	11			9	2				10
11/3/2013	11	8			8	8	8			9	4				14
11/4/2013	14	9			26	17	15			13	12				21
11/5/2013	7	6			6	7	9			6	4				9
11/6/2013	9	7			8	10	12			7	3	2	26		11
11/7/2013	10	7			6	7	9			9	3				22
11/8/2013	9	7			9	7	11			7	4				10
11/9/2013	11	9			10	9	12			12	7				16
11/10/2013	13	12			12	12	13			12	9				19
11/11/2013	12	12			12	11	15			11	9				20
11/12/2013	10	12			12	11	16			18	8	8	54		30
11/13/2013	9	10			10	10	14			11	6				27
11/14/2013	12	6			8	7	10			15	4				21
11/15/2013	14	11			12	15	17			10	13				26
11/16/2013	19	16			15	16	19			16	13				32
11/17/2013	20	22			20	21	37			20	18				22
11/18/2013	20	18			18	18	21			18	15	13	23		25
11/19/2013	20	17			16	17	17			16	14				29
11/20/2013	22	16			16	17	19			15	16	13			21
11/21/2013	39	15			46	10	13			126	8				6
11/22/2013	29	36			7	8	9			170	8				5
11/23/2013	9	8			7		7			42	3				5
11/24/2013	7	7			6	6	10			6	5	2	8		7
11/25/2013	5	7			6	6	10			5	6				14
11/26/2013	6	6			4	4	6			5	2				23
11/27/2013	5	4			4	4	6			6	2				17
11/28/2013	5	6			6	5	8			11	4				11
11/29/2013	5	6			8	6	9			6	4				14
11/30/2013	5	6			8	6	10			7	4	2	16		23
12/1/2013	5	5			6	6	10			5	4				18
12/2/2013	5	5			6	4	10			5	3				22
12/3/2013	61	17			253	34	36			103	21				147
12/4/2013	6	6			12	9	7			9	4				30
12/5/2013	6	6			7	6	10			6	4				10

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Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest- California Ave	Ridgecrest- Ward	Trona
12/6/2013	8	7			28	6	10			7	5	7	15		13
12/7/2013	39	7			32	14	9			13	48				138
12/8/2013	5	5			6	4	5			5	6				13
12/9/2013	6	6			6	5	6			5	5				15
12/10/2013	8	6			41	5	11			7	4				21
12/11/2013	6	7			7	6	12			7	5				20
12/12/2013	6	6			5	5	9			6	3	1	26		26
12/13/2013	7	6			7	6	9			8	5				20
12/14/2013	6	5			4	4	9			5	3				29
12/15/2013	8	5			5	5	11			5	4				24
12/16/2013		8			10	7	14			8	4				26
12/17/2013	5	7			8	10	14			8	5				34
12/18/2013	8	13			11	9	13			8	8	3	28		28
12/19/2013	12	10			42	14	15			23	12				24
12/20/2013	6	6			9	6	6			10	5				11
12/21/2013	5	5			12	5	5			5	4				20
12/22/2013	4	5			4	4	7			4	4				16
12/23/2013	10	4			6	5	8			6	3				16
12/24/2013	4	5			5	9	9			4	4	1	21		15
12/25/2013	4	4			4	4	7			4	4				13
12/26/2013	5	5			6	5	11			5	4				21
12/27/2013	6	7			8	5	16			7	5				28
12/28/2013	15	10			12	11	15			23	17				26
12/29/2013	24	9			10	7	12			8	6				23
12/30/2013	10	12			9	7	14			13	7	3	38		21
12/31/2013	9	12			10	9	14			9	4				31
1/1/2014	8	9			8	9	19			8	5				31
1/2/2014	5	8			9	8	15			6	5				24
1/3/2014	6	8			6	7	13			13	4				23
1/4/2014	10	11			17	10	14			12	8				30
1/5/2014	8	8			6	6	11			8	5	4	27		21
1/6/2014	9	9			11	8	10			8	4				30
1/7/2014	9	9			11	10	15			9	5				39
1/8/2014	10	8			9	8	14			8	4				24
1/9/2014	9	9			9	8	13			9	5				36
1/10/2014	9	6			7	6	10			8	5				38
1/11/2014	53	19			11	35	17			72	9	9	25		24
1/12/2014	26	13			14	58	10			12	12				24
1/13/2014	7	7			10	7	9			6	4				24
1/14/2014	7	8			10	7	6			7	7				26
1/15/2014	7	9			9	8	11			8	6				27

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Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest- California Ave	Ridgecrest- Ward	Trona
1/16/2014	8	9			10	10	11			9	7				25
1/17/2014	6	7			8	7	12			7	6	3	30		24
1/18/2014	6	7			8	7	14			8	5				19
1/19/2014	7	8			7	6	13			8	5				18
1/20/2014	9	9			9	8	13			9	6				20
1/21/2014	7	9			11	8	13			10	5				27
1/22/2014	8	8			9	13	14			9	5				24
1/23/2014	9	9			6	9	8			13	7	7	23		18
1/24/2014	7	8			11	6	8			8	6				15
1/25/2014	7	8			7	6	13			10	6				21
1/26/2014	6	8			7	6	11			10	5				20
1/27/2014	9	8			9	6	11			9	5				25
1/28/2014	11	7			7	6	12			8	5				29
1/29/2014	14	11			10	8	15			11		32	27		28
1/30/2014	147	6			137	126	18			65					112
1/31/2014	4	4			10	2	4			8					7
2/1/2014	4	3			14	-1	6			10	3				8
2/2/2014	6	6			5	5	9			6	6				12
2/3/2014	7	6			7	7	12			6	4				9
2/4/2014	10	7			8	7	9			6	5	8	14		15
2/5/2014	10	9			9	9	14			8	6				16
2/6/2014	8	9			11	10	18			9	7				14
2/7/2014	140	7			9	8	12			12	17				14
2/8/2014	23	13			9	9	12			16	39				23
2/9/2014	18	15			15	24	14			14	14				5
2/10/2014	37	6			14	5	5			8	4	1	5		8
2/11/2014	8	5			6	5	10			11	3				18
2/12/2014	8	9			9	7	11			9	6				16
2/13/2014	8	8			9	12	9			9	6				16
2/14/2014	8	6			8	8	10			8	4				22
2/15/2014	13	6			12	9	8			12	10				21
2/16/2014	314	11			16	12	9			13	8	9	14		15
2/17/2014	11	12			12	10	9			12	9				19
2/18/2014	10	9			9	9	16			12	6				19
2/19/2014	17	15			31	15	14			16	14				28
2/20/2014	18	17			18	20	17			17	12				35
2/21/2014	18	15			16	18	17			15	12				20
2/22/2014	12	12			12	12	21			12	9	9	18		15
2/23/2014	13	12			12	12	13			12	10				20
2/24/2014	19	14			16	17	13			18	10				18
2/25/2014	17	15			14	17	13			13	11				23

App A- Daily Average PM10 for Coso Junction PM10 Planning Area and Surrounding Monitoring Stations 2010-2020

Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest- California Ave	Ridgecrest- Ward	Trona
2/26/2014	15	179			21	37	14			12	25				18
2/27/2014	4	6			6	5	5			7	8				18
2/28/2014	4	5			8	8	4			3	1				55
3/1/2014	4	4			4	5	3			3	3				6
3/2/2014	4	4			4	4	7			3	3				4
3/3/2014	4	4			4	4	7			3	3				5
3/4/2014	5	5			9	7	9			5	5				10
3/5/2014	8	7			10	8	8			7	6				9
3/6/2014	21	8			42	9	8			9	7	7	15		17
3/7/2014	10	6			76	7	7			45	5				10
3/8/2014	5	4			4	4	4			5	3				5
3/9/2014	4	4			4	3	3			3	3				8
3/10/2014	13	10			35	18	10			16	9				15
3/11/2014	15	20			26	52	11			25	14				26
3/12/2014	12	5			26	6	5			14	4	3	12		10
3/13/2014	6	7			11	6	5			6	5				10
3/14/2014	9	9			9	9	8			8	7		14		13
3/15/2014	16	14			18	14	14			14	13				17
3/16/2014	17	17			17	17	17			17	15				19
3/17/2014	31	31			547	194	44			63	49				49
3/18/2014	15	15			20	12	8			32	9	9	18		29
3/19/2014	9	9			44	13	7			8	6				15
3/20/2014	16	9			12	9	15			12	8				15
3/21/2014	18	13			14	14	12			14	13				25
3/22/2014	13	12			12	12	10			11	11				20
3/23/2014	11	10			10	10	10			9	10				17
3/24/2014	10	10			11	12	11			10	9	9	17		17
3/25/2014	24	85			29	23	17			16	63				31
3/26/2014	97	14			29	15	10			11	17				184
3/27/2014	9	11			10	10	7			7	9				9
3/28/2014	10	9			10	10	9			8	7				13
3/29/2014	19	15			49	94	42			23	76				27
3/30/2014	44	29			44	16	7			15	12	2			21
3/31/2014	17	59			21	24	10			19	50				41
4/1/2014	5	4			5	4	1			4	3				23
4/2/2014	6	6			10	8	6			6	5				4
4/3/2014	7	6			8	10	6			5	3				9
4/4/2014	9	7			10	9	12			7	5				16
4/5/2014	9	7			15	9	11			13	8	6	9		9
4/6/2014	8	8			12	9	10			8	7				10
4/7/2014	12	12			14	13	18			12	11				

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Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest- California Ave	Ridgecrest- Ward	Trona
4/8/2014	13	13			14	12	11			16	11				
4/9/2014	14	9			12	10	10			8	8				22
4/10/2014	17	11			11	10	15			10	9				15
4/11/2014	16	12			28	26	13			13	13	16	19		23
4/12/2014	14	10			16	9	12			11	9				19
4/13/2014	22	18			72	25	24			58	23				32
4/14/2014	15	13			25	13	16			18	12				14
4/15/2014	21	18			21	16	14			20	16				28
4/16/2014	18	18			19	17	18			17	16				24
4/17/2014	20	20			31	16	29			18	32	19	26		33
4/18/2014	28	25			30	23	25			26	23				
4/19/2014	23	22			25	22	22			22	20				
4/20/2014	19	19			20	19	22			19	19				
4/21/2014	26	27			50	25	31			26	33				
4/22/2014	51	41			208	56	44			57	150				176
4/23/2014	11	11			15	14	12			14	11	13	15		15
4/24/2014	18	17			21	15	15			16	22				22
4/25/2014	261	61			130	48	19			53	108				39
4/26/2014	11	8			49	13	11			7	9				9
4/27/2014	8	8			7	8	4			7	8				14
4/28/2014	11	11			15	12	11			11	6				13
4/29/2014	11	13			18	26	9			13	12	5	20		13
4/30/2014	13	16			21	11	12			13	11				16
5/1/2014	13	11			13	11	8			10	9				17
5/2/2014	28	13			15	13	11			13	11				15
5/3/2014	17	16			19	16	15			14	21				26
5/4/2014	22	19			29	21	19			19	24				24
5/5/2014	37	38			41	38	35			33	68	19	18		53
5/6/2014	23	10			58	16	14			28	13				25
5/7/2014	10	11			10	10	9			11	8				8
5/8/2014	20	16			19	15	14			15	14				21
5/9/2014	15	20			17	16	14			15	15				20
5/10/2014	127	43			577	257	93			202	84				149
5/11/2014	78	22			150	98	23			309	19	18	42		87
5/12/2014	12	15			14	17	10			13	11				10
5/13/2014	15	16			16	15	10			17	13				11
5/14/2014	14	15			14	13	12			12	10				40
5/15/2014	23	17			13	20	15			23	15				14
5/16/2014	24	20			20	20	18			20	16				29
5/17/2014	40	15			26	22	18			23	20	21	21		
5/18/2014	20	12			18	16	13			12	15				

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Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest- California Ave	Ridgecrest- Ward	Trona
5/19/2014	15	19			61	38	16			12	85				
5/20/2014	15	14			17	14	12			14	19				
5/21/2014	5	5			6	5	6			4	7				7
5/22/2014	9	7			52	7	6			15	5				6
5/23/2014	15	20			37	22	15			34	18	14	15		9
5/24/2014	22	21			26	22	22			24	20				21
5/25/2014	18	17			14	16	14			18	15				21
5/26/2014	22	18			15	15	16			23	16				26
5/27/2014	19	24			15	15	15			15	15				31
5/28/2014	23	26			27	18	16			20	23				44
5/29/2014	24	30			26	25	22			25	22	32	32		46
5/30/2014	20	23			16	14	14			14	16				26
5/31/2014	27	17			21	18	19			18	32				32
6/1/2014	21	20			19	20	19			20	20				22
6/2/2014	35	42			18	18	16			21	21				33
6/3/2014	17	28			18	20	16			18	17				33
6/4/2014	23	24			23	20	17			19	22	30	25		27
6/5/2014	22	30			33	20	17			21	19				28
6/6/2014	25	22			20	20	17			23	19				32
6/7/2014	22	18			21	18	17			21	17				26
6/8/2014	20	18			39	21	21			27	15				19
6/9/2014	27	50			25	22	22			27	24				37
6/10/2014	28	47			50	26	23			24	28	38	34		38
6/11/2014	30	45			26	26	23			26	26				51
6/12/2014	65	48			33	36	27			31	35				51
6/13/2014	16	15			49	24	13			15	18				50
6/14/2014	21	16			21	16	14			23	15				27
6/15/2014	23	16			47	20	14			21	64				83
6/16/2014	31	28			38		18			32	92	86	51		121
6/17/2014	21	22			85		26			39	35				47
6/18/2014	94	84			209		95			109	120				50
6/19/2014	33	47			38	39	27			42	40				27
6/20/2014	27	32			25	23	25			33	22				32
6/21/2014	18	15			17	15	13			53	18				24
6/22/2014	14	11			11	11	9			13	10	15	14		16
6/23/2014	19	30			19	18	15			19	17				26
6/24/2014	34	37			25	27	13			25	20				29
6/25/2014	17	19			16	15	11			18	12				46
6/26/2014	24	8			94	13	8			17	9				109
6/27/2014	15	19			14	12	9			16	11				34
6/28/2014	16	14			14	13	14			14	13	19	18		30

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Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest- California Ave	Ridgecrest- Ward	Trona
6/29/2014	17	16			15	16	14			17	16				22
6/30/2014	14	19			14	16	12			14	14				15
7/1/2014	19	34			16	15	15			16	15				23
7/2/2014	22	27			20	20	20			19	22				24
7/3/2014	21	16			19	14	13			15	12				20
7/4/2014	21	18			13	17	19			19	15	18	23		29
7/5/2014	35	33			35	33	32			31	31				53
7/6/2014	31	31			32	35	35			30	35				19
7/7/2014	18	13			10	10	12			15	12				
7/8/2014	15	13			13	13	12			11	11				
7/9/2014	15	15			15	20	12			15	16				
7/10/2014	23	27			21	22	20			21	20	26	24		
7/11/2014	25	35			22	24	23			24	25				31
7/12/2014	19	18			19	20	17			18	20				27
7/13/2014	12	12			10	11	10			12	11				19
7/14/2014	20	22			19	21	18			19	19				27
7/15/2014	19	17			67	16	15			19	14				21
7/16/2014	20	17			18	17	12			16	16	39	35		33
7/17/2014	29	30			22	28	13			26	25				28
7/18/2014	22	22			16	32	11			18	12				19
7/19/2014	20	20			17	17	16			22	19				21
7/20/2014	16	12			12	10	8			13	14				15
7/21/2014	24	22			27	25	19			23	22				22
7/22/2014	19	15			17	18	18			15	17	19	24		22
7/23/2014	22	13			39	11	11			17	12				23
7/24/2014	16	13			20	14	11			12	12				25
7/25/2014	18	11			18	8	4			10	10				23
7/26/2014	15	13			14	11	10			14	13				22
7/27/2014	20	19			20	16	13			20	18				24
7/28/2014	21	21			77	18	17			25	16	18	18		13
7/29/2014	16	13			17	14	12			14	12				13
7/30/2014	51	28			366	43	27			33	45				33
7/31/2014	22	14			17	13	14			17	14				12
8/1/2014	26	24			25	26	26			24	25				23
8/2/2014	38	42			44	52	51			40	45				36
8/3/2014	11	13			17	12	11			11	13	12	11		7
8/4/2014	10	8			8	8	8			8	8				11
8/5/2014	17	16			17	16	16		21	16	16				19
8/6/2014	19	15			15	16	16		17	15	15				26
8/7/2014	15	20			14	14	12		14	13	14				24
8/8/2014	20	21			18	20	15		17	19	19				25

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Daily PM10 Date	Sites															
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest- California Ave	Ridgecrest- Ward	Trona	
8/9/2014	23	25			21	20	20		20	22	23		38		27	
8/10/2014	18	19			16	16	15		14		17				23	
8/11/2014	19	18			25	18	11		15		17				16	
8/12/2014	14	14			13	12	14		10		13				16	
8/13/2014	20	23			19	18	18		16		22				21	
8/14/2014	22	25			20	21	19		17	23	21				23	
8/15/2014	17	18			16	16	12		14	15	14	14			12	
8/16/2014	12	15			11	11	12		14	13	12				16	
8/17/2014	13	11			10	10	8		8	9	10				13	
8/18/2014	18	17			26	28	16		20	11	14				17	
8/19/2014	29	26			28	23	20		27	19	20				34	
8/20/2014	23	25			23	21	20		25	22	20				26	
8/21/2014	21	25			18	21	16		20	20	18	22	33		33	
8/22/2014	56	39			41	37	31		33	33	41				48	
8/23/2014	21	23			21	20	17		19	20	20				26	
8/24/2014	19	21			18	17	17		15	18	19				16	
8/25/2014	20	26			29	33	22		17	39	46				19	
8/26/2014	20	30			20	23	16		46	17	18				20	
8/27/2014	16	16			16	20	16		13	15	15	15	25		24	
8/28/2014	17	18			23	28	14		16	17	14				15	
8/29/2014	17	15			15	18	12		14	15	13				15	
8/30/2014	25	12			16	12	10		9	14	14				36	
8/31/2014	11	10			9	10	10		7	11	10					
9/1/2014	14	15			13	13	15		11	15	14					
9/2/2014	24	27			20	18	17		21	21	21	25	32			
9/3/2014	27	29			30	27	20		27	25	27				28	
9/4/2014	24	20			24	23	21		23	21	23				29	
9/5/2014	21	24			21	23	16		16	18	21				23	
9/6/2014	17	20			19	15	16		17	18	19					
9/7/2014	24	25			17	21	24		20	21	20					
9/8/2014	14	13			15	13	13		13		14	15	20			
9/9/2014	14	7			9	9	6		10	7	8					
9/10/2014	19	12			15	12	10		11	11	11					
9/11/2014	17	15			20	16	13		17	13	14					
9/12/2014	15	18			18	21	15		14	16	15				19	
9/13/2014	18	19			17	16	16		14	17	18				16	
9/14/2014	14	13			13	13	10		12	13	14	15	20		12	
9/15/2014	16	15			16	18	12		12	15	16				20	
9/16/2014	21	24			21	26	18		17	19	20				29	
9/17/2014	30	28			32	31	32		29	27	29				61	
9/18/2014	26	20			22	19	15		11	15	13				35	

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Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest- California Ave	Ridgecrest- Ward	Trona
9/19/2014	23	24			26	28	34		35	25	27				21
9/20/2014	11	16			18	13	12		12	11	14	18	20		75
9/21/2014	13	13			12	12	15		10	12	12				16
9/22/2014	20	16			17	16	15		14	15	17				75
9/23/2014	14	15			14	13	14		12	13	12				15
9/24/2014	17	20			20	15	12		13	20	18				17
9/25/2014	24	21			26	28	28		17	24	91				33
9/26/2014	28	28			35	44	36		25	22	71	61	33		47
9/27/2014	10	8			22	10	10		9	8	13				24
9/28/2014	9	6			23	6	5		3	8	7				16
9/29/2014	5	4			5	4	5		3	4	4				10
9/30/2014		8			12	8	8		5	7	7				16
10/1/2014		10			27	12	13		22	18	14				18
10/2/2014		6			12	9	6		9	6	5	7	21		8
10/3/2014		7			9	10	9		9	7	6				9
10/4/2014		7			8	6	12		6	7	6				11
10/5/2014		6			6	6	8		4	6	5				10
10/6/2014		7			10	16	9		9	7	5				10
10/7/2014		11			10	14	9		11	10	8				19
10/8/2014	21	20			16	19	15		17	18	18	44	36		25
10/9/2014	26	19			19	20	17		20	19	19				30
10/10/2014	17	16			16	20	15		13	14	15				23
10/11/2014	14	13			12	11	15		12	12	12				23
10/12/2014	15	11			56	13	15		16	15	13				28
10/13/2014	12	10			11	14	9		10	8	9				17
10/14/2014	17	25			29	21	53		31	18	21	16	34		18
10/15/2014	61	101			52	48	94		84	76	132				90
10/16/2014	45	45			47	47	38		46	41	49				74
10/17/2014	33	34			32	32	33		33	31	32				38
10/18/2014	21	22			21	19	20		18	21	22				30
10/19/2014	14	13			12	12	13		10	13	13				14
10/20/2014	16	12			13	13	15		9	11	11	28	31		19
10/21/2014	16	15			15	12	12		11	13	14				26
10/22/2014	14	16			17	13	13		10	13	14				20
10/23/2014	21	17			18	16	20		16	15	15				21
10/24/2014	17	18			31	20	27		22	15	27				32
10/25/2014	15	15			29	24	41		15	22	64				41
10/26/2014	17	11			10	9	13		7	13	10	42			40
10/27/2014	13	9			12	10	9		8	13	8				15
10/28/2014	15	14			14	12	9		9	12	12				12
10/29/2014	10	16			11	12	11		6	11	8				19

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Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest- California Ave	Ridgecrest- Ward	Trona
10/30/2014	10	13			10	9	10		6	7	7				26
10/31/2014	19	29			22	22	30		18	16	21				
11/1/2014	4	10			9	10	14		7	8	67	1	4		
11/2/2014	4	3			9	4	4		3	5	4				
11/3/2014	6	6			11	5	9		5	6	5				9
11/4/2014	7	7			8	7	9		6	7	6				10
11/5/2014	8	7			7	7	10		5	7	5				10
11/6/2014	11	6			10	6	6		4	5	4				14
11/7/2014	6	7			11	6	8		6	7	6	4			12
11/8/2014	7	6			14	6	10		5	6	6				11
11/9/2014	6	5			6	6	11		5	6	5				15
11/10/2014	9	11			11	8	10		9	10	7				13
11/11/2014	16	13			13	12	16		14	17	13				19
11/12/2014	17	16			18	14	17		14	15	14				68
11/13/2014	18	12			16	11	16		10	16	13	9	36		18
11/14/2014	10	10			9	8	12		7	10	8				9
11/15/2014	28	14			160	34	72		51	48	55				19
11/16/2014	32	14			81	14	28		13	116	19				31
11/17/2014	7	14			11	7	9		8	9	6				12
11/18/2014	6	9			11	7	13		6	8	5				31
11/19/2014	12	11			17	13	9		12	10	9	7	20		14
11/20/2014	14	23			15	13	18		14	14	12				14
11/21/2014	9	9			12	7	10		9	9	7				11
11/22/2014	19	8			21	19	21		33	16	10				10
11/23/2014	14	9			45	10	21		12	22	9				10
11/24/2014	8	9			16	10	13		11	8	7				12
11/25/2014	15	13			25	9	20		10	15	10	4	30		17
11/26/2014	10	12			25	14	15		13	11	7				20
11/27/2014	7	9			17	9	14		8	10	6				24
11/28/2014	9	8			15	8	19		10	7	9				33
11/29/2014	8	21			47	19	21		13	16	55				29
11/30/2014	8	19			17	21	21		14	9	31				17
12/1/2014	8	7			16	7	10		6	7	6	4	20		10
12/2/2014	5	5			4	5	6		3	6	4				11
12/3/2014	4	3			2	4	2		1	5	3				8
12/4/2014	4	5			5	5	9		3	4	4				50
12/5/2014	6	5			5	6	11		4	5	5				13
12/6/2014	5	5			5	5	9		3	5	5				15
12/7/2014	4	5			6	5	11		3	5	5	3			21
12/8/2014	5	5			7	6	11		4	5	5				23
12/9/2014	5	6			7	6	11		5	5	5				20

App A- Daily Average PM10 for Coso Junction PM10 Planning Area and Surrounding Monitoring Stations 2010-2020

Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest- California Ave	Ridgecrest- Ward	Trona
12/10/2014	6	6			7	7	15		5	5	7		23		20
12/11/2014	11	20			50	38	27		23	10	48				27
12/12/2014	4	4			37	7	7		3	4	4				11
12/13/2014	3	3			8	3	2		1	3	3	1	4		4
12/14/2014	3	3			3	3	10		1	3	3				8
12/15/2014	4	3			4	4	6		1	3	2				12
12/16/2014	4	4			4	4	6		2	4	4				16
12/17/2014	5	5			5	4	12		2	4	4				11
12/18/2014	4	4			5	4	10		3	4	4				8
12/19/2014	5	4			5		12		2	11	4	2			8
12/20/2014	5	5			6		13		3	4	5				12
12/21/2014	5	5			5		10		3	5	5				18
12/22/2014	5	5			10		13		17	22	8				21
12/23/2014	4	4			5	5	5		2	4	3				93
12/24/2014	14	7			54	15	20		23	9	29				16
12/25/2014	33	10			303	19	17		42	59	13	1	15		33
12/26/2014	12	6			16	6	6		5	49	7				6
12/27/2014	6	4			6	4	8		2	5	4				7
12/28/2014	4	4			6	4	11		4	5	4				10
12/29/2014	5	6			9	6	9		11	5	12				12
12/30/2014	24	11	24		59	27	9		26	27	34				16
12/31/2014	673	17	48		1015	99	29	776	229	233	41	6	40		21
1/1/2015	15	11	13		21	7	10	8	7	67	10				22
1/2/2015	8	9	6		11	9	12	5	9	8	6				24
1/3/2015	8	7	5		9	6	12	4	5	9	5				19
1/4/2015	8	7	6		8	7	14	4	5	8	5				24
1/5/2015	8	10	7		11	9	12	5	14	10	6				23
1/6/2015	7	12	7		31	8	9	7	6	8	6	1	30		22
1/7/2015	6	7	6		9	7	8	2	5	6	6				20
1/8/2015	7	6	5		13	6	11	1	5	6	4				22
1/9/2015	8	7	6		11	7	10	3	6	12	5				22
1/10/2015	7	5	5		6	6	10	2	4	7	5				24
1/11/2015	5	5	5		8	6	11	2	3	5	6				16
1/12/2015	4	4	4		5	10	8	1	3	4	4	6			16
1/13/2015	7	4	8		28	10	6	36	34	10	8				17
1/14/2015	5	6	5		7	7	10	1	4	5	4				8
1/15/2015	5	5	4		7	7	7	2	6	5	5				10
1/16/2015	4	5	4		7	6	10	2	5	5	4				11
1/17/2015	5	8	5		20	6	12	2	5	5	5				12
1/18/2015	4	6	5		6	5	7	1	4	5	4	1	16		13
1/19/2015	5	6	6		9	7	7	2	9	5	5				9

App A- Daily Average PM10 for Coso Junction PM10 Planning Area and Surrounding Monitoring Stations 2010-2020

Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest- California Ave	Ridgecrest- Ward	Trona
1/20/2015	5	6	6		11	7	10	3	7	6	5				15
1/21/2015	15	12	16		12	9	9	11	21	15	16				15
1/22/2015	6	7	6		8	7	8	3	9	5	5				15
1/23/2015	21	15	46		49	16	8	216	18	62	58				13
1/24/2015	24	18	30		30	10	6	11	21	61	34	3	17		21
1/25/2015	6	7	7		9	5	4	4	8	6	10				13
1/26/2015	7	28	13		20	51	16	10	96	7	8				15
1/27/2015	7	4	3		4	4	4	1	2	4	3				5
1/28/2015	4	4	4		5	4	5	1	4	4	4				8
1/29/2015	4	4	4		5	4	6	2	6	4	4				8
1/30/2015	4	3	4		9	4	5	3	7	10	4	1	3		5
1/31/2015	11	6	6		49	6	7	23	22	88	7				10
2/1/2015	6	4	5		6	5	6	1	3	5	5				17
2/2/2015	10	7	6		10	9	9	3	20	7	6				16
2/3/2015	7	9	8		8	8	10	5	9	8	8				13
2/4/2015	11	6	4		20	7	8	2	6	6	4				13
2/5/2015	13	13	16		14	14	11	8	14	7	10	5	25		15
2/6/2015	17	55	90		64	153	69	65	174	14	332				70
2/7/2015	7	16	54		23	20	9	10	11	29	261				6
2/8/2015	5	5	5		5	5	5	1	3	4	5				2
2/9/2015	5	3	9		6	8	4	0	4	5					6
2/10/2015	5	6	4		7	6	4	1	7	4	4				10
2/11/2015	6	5	6		9	6	6	2	6	6	4	1	16		10
2/12/2015	6	8	5		9	5	5	2	7	5	4				8
2/13/2015	9	7	5		9	6	7	2	5	6	4				13
2/14/2015	8	5	5		11	5	6	1	4	9	4				14
2/15/2015	8	8	6		8	6	6	3	6	8	5				13
2/16/2015	8	9	7		10	8	7	3	8	7	7				15
2/17/2015	13	10	11		13	10	14	6	11	9	9	6	25		14
2/18/2015	12	12	11		15	12	10	7	12	12	10				17
2/19/2015	16	10	11		18	11	11	6	11	20	8				21
2/20/2015	12	9	9		14	10	9	5	10	11	8				19
2/21/2015	14	12	24		31	20	19	63	23	16	26				43
2/22/2015	42	41	51		73	45	38	140	51	55	58				12
2/23/2015	28	21	32		97	37	32	59	47	34	36	7			9
2/24/2015	53	16	97		211	27	15	103	47	99	18				14
2/25/2015	8	10	8		14	15	7	8	12	7	10				13
2/26/2015	7	7	6		11	8	6	3	9	7	6				9
2/27/2015	44	8	131		22	14	7	17	10	13	28				41
2/28/2015	5	4	1		10	6	4	7	4	6	4				16
3/1/2015	3	3	3		4	3	3	0	0	3	2	1	3		4

App A- Daily Average PM10 for Coso Junction PM10 Planning Area and Surrounding Monitoring Stations 2010-2020

Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest- California Ave	Ridgecrest- Ward	Trona
3/2/2015	3	3	3		5	3	6	0	1	3	2				3
3/3/2015	3	3	3		7	5	4	2	6	3	4				4
3/4/2015	6	6	6		10	8	8	4	5	6	6				8
3/5/2015	8	7	6		10	8	8	3	7	7	6				7
3/6/2015	8	8	7		9		8	4	9	8	7				10
3/7/2015	12	12	10		13	8	12	7	10	11	10	8	16		11
3/8/2015	12	13	11		13	9	14	9	12	12	13				15
3/9/2015	14	15	13		20	10	12	10	21	13	14				16
3/10/2015	13	11	13		19	10	10	7	17	12	11				14
3/11/2015	22	14	25		20	16	16	10	17	15	33				14
3/12/2015	10	8	9		18	5	6	11	20	14	8				8
3/13/2015	10	5	4		9	3	5	2	7	7	3	5	15		7
3/14/2015	8	7	6		9	4	7	2	5	6	5				9
3/15/2015	10	11	16		13	5	10	5	8	9	12				11
3/16/2015	15	13	15		21	13	15	10	19	11	13				18
3/17/2015	17	13	13		25	8	12	9	19	13	13				18
3/18/2015	14	12	12		15	7	10	9	15	12	12				13
3/19/2015	12	10	16		27	7	10	55	29	14	23	12	16		10
3/20/2015	9	11	10		13	12	9	6	13	10	8				11
3/21/2015	21	9	16		15	11	8	9	9	12	12				21
3/22/2015	9	9	9		22	14	11	23	12	10	15				17
3/23/2015	15	14	13		15	13	11	9	26	11	14				21
3/24/2015	9	7	8		13	8	6	7	14	8	16				16
3/25/2015	9	8	11		12	5	5	6	13	13	24	9	13		13
3/26/2015	9	6	9		17	8	6	3	10	6	3				7
3/27/2015	10	9	9		15	10	10	3	8	10	7				10
3/28/2015	12	12	10		13	11	11	6	12	13	10				15
3/29/2015	12	12	11		14	12	11	7	9	13	11				13
3/30/2015	14	16	14		19	15	13	9	22	14	13				19
3/31/2015	32	16	22		109	21	16	208	31	19	50	37			61
4/1/2015	44	38	42		186	39	31	36	43	43	37				41
4/2/2015	24	18	26		55	14	14	104	30	43	80				17
4/3/2015	11	11	11		21	11	11	5	13	11	9				16
4/4/2015	15	13	17		28	30	17	10	24	13	15				20
4/5/2015	25	23	49		224	154	46	88	223	27	119				46
4/6/2015	12	12	12		17	15	18	5	18	10	23	9	13		22
4/7/2015	20	11	64		41	12	24	9	17	13	34				34
4/8/2015	6	5	7		9	4	4	4	12	7	7				8
4/9/2015	15	7	8		16	6	6	4	12	10	4				7
4/10/2015	19	18	19		19	18	15	10	15	16	15				19
4/11/2015	22	21	23		22	22	21	17	22	20	21				25

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Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest- California Ave	Ridgecrest- Ward	Trona
4/12/2015	17	16	15		23	14	14	11	11	15	15	13	20		
4/13/2015	18	18	24		25	17	18	11	20	14	22				
4/14/2015	55	38	42		278	62	44	627	99	80	99				
4/15/2015	23	51	23		73	99	21	34	43	56	23				32
4/16/2015	16	14	13		19	16	11	26	20	15	13				12
4/17/2015	17	14	13		16	14	13	8	16	13	13				17
4/18/2015	17	15	14		32	12	15	9	13	15	13	19	20		22
4/19/2015	16	16	14		16	14	12	10	15	14	14				18
4/20/2015	20	16	15		20	19	18	12	17	14	17				24
4/21/2015	37	21	21		57	32	18	21	32	21	21				36
4/22/2015	20	14	16		20	16	15	24	21	16	18				23
4/23/2015	16	10	10		17	13	12	9	12	11	13				22
4/24/2015	33	8	8		53	9	6	32	15	10	12	21	21		44
4/25/2015	78	11	12		102	21	13	37	27	14	14				59
4/26/2015	21	16	15		38	22	18	17	36	50	20				23
4/27/2015	14	7	6		31	7	6	4	16	16	7				21
4/28/2015	18	12	11		15	10	9	8	14	11	11				14
4/29/2015	32	14	14		20	15	15	14	24	18	20				31
4/30/2015	31	21	13		18	13	14	9	14	17	13	12	17		22
5/1/2015	49	24	19		22	16	16	12	14	16	18				32
5/2/2015	27	22	14		14	16	15	9	10	18	14				22
5/3/2015	17	23	12		14	13	15	8	12	14	12				14
5/4/2015	18	20	14		21	15	18	11	30	16	14				19
5/5/2015	27	24	16		20	14	16	12	21	20	17				30
5/6/2015	32	26	25		30	27	27	21	25	24	29	26	24		33
5/7/2015	39	29	33		60	39	23	21	31	28	41				46
5/8/2015	8	8	7		10	8	7	5	10	8	9				7
5/9/2015	8	8	8		10	9	8	5	13	13	10				9
5/10/2015	14	14	12		14	12	14	9	12	13	14				14
5/11/2015	20	15	18		16	16	21	11	13	15	17				25
5/12/2015	24	19	17		17	42	20	11	16	16	18	26	19		37
5/13/2015	21	25	53		22	20	23	14	18	20	23				29
5/14/2015	15	22	16		20	16	14	11	12	13	15				31
5/15/2015	5	5	4		7	7	6	2	4	5	5				4
5/16/2015	10	8	7		8	7		4	6	9	7				10
5/17/2015	13	12	12		12	11		8	9	12	12				20
5/18/2015	14	11	10		16	8		8	11	11	10		15		17
5/19/2015	11	9	8		10	7		4	10	9	8				15
5/20/2015	20	12	10		10	9		5	12	15	10				16
5/21/2015	24	17	17		36	16		16	19	22	18				20
5/22/2015	12	8	7		9	6		3	11	9	7				12

App A- Daily Average PM10 for Coso Junction PM10 Planning Area and Surrounding Monitoring Stations 2010-2020

Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest- California Ave	Ridgecrest- Ward	Trona
5/23/2015	10	6	8		27	6		23	7	13	11				12
5/24/2015	6	5	5		5	4		1	2	7	5	12	8		7
5/25/2015	14	15	15		11	9		11	7	13	15				17
5/26/2015	19	18	15		15	12	11	12	18	18	15				18
5/27/2015	22	20	18		19	16	17	14	24	19	19				24
5/28/2015	19	18	17		18	16	16	13	25	20	19				22
5/29/2015	17	15	14		14	12	14	11	15	15	14				22
5/30/2015	20	24	20		16	16	17	13	18	21	20	20	22		21
5/31/2015	20	18	29		20	13	19	15	14	19	20				29
6/1/2015	40	19	22		20	17	22	15	17	19	20				72
6/2/2015	20	19	18		19	14	15	12	25	17	18				19
6/3/2015	34	21	18		21	16	17	15	25	21	19				25
6/4/2015	18	15	14		125	18	18	84	51	14	21				22
6/5/2015	16	12	12		25	11	11	15	23	17	13	14	20		19
6/6/2015	15	11	10		35	9	8	19	9	14	11				22
6/7/2015	11	9	8		9	7	7	4	7	9	8				11
6/8/2015	11	9	9		10	8		5	11	10	10				10
6/9/2015	15	14	16		17	15	11	9	15	15	13				16
6/10/2015	14	8	9		28	7	7	9	10	9	8				17
6/11/2015	10	6	6		43	8	7	60	23	9	9	14	15		16
6/12/2015	9	7	6		19	6	5	5	14	9	7				6
6/13/2015	19	9	9		10	7	11	6	10	20	11				11
6/14/2015	14	14	13		12	10		8	12	14	13				20
6/15/2015	20	14	15		15	12		9	20	15	17				15
6/16/2015	14	14	12		28	11		8	18	14	12				17
6/17/2015	21	18	17		15	13		10	18	19	17	18			22
6/18/2015	30	20	22		20	16		15	42	22	21				19
6/19/2015	17	16	18		20	15	17	13	19	17	19				21
6/20/2015	17	13	15		12	12	14	7	13	14	12				20
6/21/2015	35	10	13		10	7	8	5	7	15	11				18
6/22/2015	17	14	15		25	9	11	11	23	16	15				14
6/23/2015	22	17	18		15	15	14	10	22	20	18	21	22		25
6/24/2015	21	13	14		14	12	13	8	17	15	16				18
6/25/2015	17	13	14		13	9	11	7	40	16	13				21
6/26/2015	14	13	14		25	13	11	9	17	15	16				23
6/27/2015	18	15	16		16	14	15	11	25	17	16				15
6/28/2015	18	17	16		14	19	16	10	14	17	18				17
6/29/2015	14	11	12		12	10	12	8	29	12	14	20	15		12
6/30/2015	15	12	13		19	11	12	9	16	13	15				29
7/1/2015	17	15	25		34	199	26	12	57	16	29				15
7/2/2015	11	14	10		12	9	11	7	15	13	12				18

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Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest- California Ave	Ridgecrest- Ward	Trona
7/3/2015	12	10	9		9	6	10	4	7	11	9				15
7/4/2015	16	13	11		54	24	11	30	16	14	14				13
7/5/2015	13	8	9		14	9	8	7	7	10	11	13	14		13
7/6/2015	14	11	13		15	10	8	9	17	13	16				17
7/7/2015	14	9	11		14	10	11	7	10	11	13				21
7/8/2015	16	12	11		13	12	11	7	16	12	13				24
7/9/2015	26	12	12		14	9	5	9	13	13	12				27
7/10/2015	14	9	9		15	7	12	9	9	10	10				21
7/11/2015	17	13	13		13	10	9	8	11	15	13	18	18		13
7/12/2015	15	13	14		14	11	12	9	12	14	14				13
7/13/2015	14	12	12		12	9	11	7	14	13	12				16
7/14/2015	17	15			35	12	15	10	17	17	16				22
7/15/2015	21	17	17		19	13	11	10	15	18	18				21
7/16/2015	21	18	17		20	10	13	12	18	18	20				15
7/17/2015	27	19	21		19	10	17	12	18	21	26	16	21		24
7/18/2015	19	21	31		35	41	20	14	70	23	21				10
7/19/2015	8	11	9		10	7	10	6	9	9	9				4
7/20/2015	6	7	7		8	5	7	4	5	7	8				2
7/21/2015	8	7	7		9	6		4	6	6	8				5
7/22/2015	17	15	16		15	9		10	12	16	17				15
7/23/2015	21	21	20		20	13		15	18	22	22	19	17		14
7/24/2015	21	18	18		18	12	17	13	17	19	19				20
7/25/2015	18	17	17		16	11	15	12	16	17	18				17
7/26/2015	17	13	15		13	8	12	8	11	15	17				21
7/27/2015	17	15	16		20	12	14	14	20	15	19				17
7/28/2015	15	12	11		13	7	11	7	13	12	13				17
7/29/2015	20	19	19		19	12	14	12	18	18	20	14	24		22
7/30/2015	19	17	15		42	11	13	106	16	18	20				18
7/31/2015	13	15	11		12	7		10	10	13	17				50
8/1/2015	29	38	39		212	30	49	271	77	31	60				20
8/2/2015	14	26	15		23	14	15	13	20	24	17				29
8/3/2015	20	51	28		32	26	36	27	37	37	30				22
8/4/2015	22	45	33		35	33	50	24	51	32	39	21	17		26
8/5/2015	11	19	17		22	16	22	13	19	18	17				14
8/6/2015	20	12	13		16	8	14	6	16	15	12				89
8/7/2015	19	15	13		49	10	18	58	18	16	16				16
8/8/2015	14	13	11		12	7	9	7	10	12	13				15
8/9/2015	16	15	13		21	10	12	9	11	16	15				22
8/10/2015	16	15	13		20	8	13	6	10	14	17	22	22		13
8/11/2015	18	13	21		17	12	16	13	10	14	17				19
8/12/2015	15	14	13		14	9	15	8	10	13	12				13

App A- Daily Average PM10 for Coso Junction PM10 Planning Area and Surrounding Monitoring Stations 2010-2020

Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest- California Ave	Ridgecrest- Ward	Trona
8/13/2015	20	16	17		22	11	16	12	16	16	18				15
8/14/2015	20	15	23		16	10	16	9	11	17	18				26
8/15/2015	18	14	11		14	10	33	9	16	15	12				14
8/16/2015	18	20	17		16	13	20	12	18	18	18	20	18		15
8/17/2015	31	32	28		28	19	31	23	30	30	31				25
8/18/2015	43	37	34		30	22	26	23	31	37	34				35
8/19/2015	45	47	37		39	29	39	30	37	43	40				43
8/20/2015	40	44	33		39	27	30	32	31	41	33				50
8/21/2015	37	46	41		39	30	46	31	46	47	43				33
8/22/2015	35	34	32		33	24	39	29	33	34	38	39	36		32
8/23/2015	19	18	16		18	12	22	13	16	19	18				21
8/24/2015	16	15	16		32	14	26	11	21	14	21				19
8/25/2015	19	20	19		56	17	23	15	22	20	22				44
8/26/2015	31	32	29		23	20	31	21	31	28					29
8/27/2015	32	31	28		31	25	35	25	37	30					31
8/28/2015	26	21	21		23	17	26	17	24	21	19	67	29		28
8/29/2015	33	14	17		16	8	18	10	9	20	18				33
8/30/2015	15	14	12		17	14	20	10	17	14	14				24
8/31/2015	22	18	18		23	11	16	13	17	17	19				26
9/1/2015	21	18	18		21	11	20	10	14	19	22				22
9/2/2015	31	27	28		27	17	24	18	22	29	38				21
9/3/2015	27	27	28		22	13	29	12	20	24	27	27	32		35
9/4/2015	35	28	28		26	20	20	21	21	30	30				38
9/5/2015	23	22	20		21	15	21	18	21	23	24				26
9/6/2015	18	16	15		17	11	14	11	13	16	20				21
9/7/2015	15	17	17		21	13	24	12	18	15	19				16
9/8/2015	16	17	16		19	12	20	15	18	18	21				24
9/9/2015	26	27	26		28	17	28	18	30	30	29	33	30		41
9/10/2015	22	22	17		21	12	20	13	22	17	21				24
9/11/2015	23	17	15		18	12	22	12	17	17	17				
9/12/2015	15	18	16		89	30	32	27	23	20	44				
9/13/2015	19	25	22		22	15	23	16	18	24	23				
9/14/2015	19	31	27		35	28		23	31	26	53				26
9/15/2015	11	12	24		18	19		12	14	20	23	7	16		32
9/16/2015	15	13	13		26	23		12	16	18	31				42
9/17/2015	18	14	14		17	12		10	18	15	17				17
9/18/2015	11	11	9		13	9		6	13	11	10				14
9/19/2015	9	9	7		12	7	10	5	7	15	7				11
9/20/2015	9	9	7		8	6	9	3	5	12	7				11
9/21/2015	14	14	14		12	9	13	6	11	15	13	14	24		21
9/22/2015	31	30	28		31	21	25	20	22	31	32				30

App A- Daily Average PM10 for Coso Junction PM10 Planning Area and Surrounding Monitoring Stations 2010-2020

Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest-California Ave	Ridgecrest-Ward	Trona
9/23/2015	26	25	23		28	20	22	19	21	26	24				24
9/24/2015	18	15	15		20	13	14	9	15	24	15				23
9/25/2015	17	15	15		23	13	16	10	13	17	15				20
9/26/2015	22	20	19		36	16	20	13	16	21	24				28
9/27/2015	15	15	13		14	11	16	11	12	15	14	19	21		24
9/28/2015	17	15	17		23	12	17	9	21	18	14				22
9/29/2015	23	20	20		26	16	20	13	21	22	19				30
9/30/2015	21	16	19		27	15	17	12	17	22	18				27
10/1/2015	26	17	14		31	12	16	6	16	22	16				70
10/2/2015	9	8	10		32	8	10	11	23	11	11				16
10/3/2015	15	12	13		24	11	15	6	9	15	21	14			25
10/4/2015	12	13	13		17	11	11	11	10	12	14				15
10/5/2015	5	5	4		7	4	5	2	3	5	5				3
10/6/2015	6	6	6		11	5	10	3	4	6	6				7
10/7/2015	7	7	7		16	6	9	3	7		6				6
10/8/2015	6	7	7		18	6	8	3	11		6				9
10/9/2015	5	4	5		15	4	6	1	5		4	8	14		12
10/10/2015	7	7	7		15	5	7	3	5		7				11
10/11/2015	11	11	11		11	10	10	7	9		12				17
10/12/2015	11	11	10		13	9	11	7	9	12	11				15
10/13/2015	11	9	9		13	10	9	5	12	11	10				14
10/14/2015	11	11	10		13	9	11	6	12	11	10				19
10/15/2015	7	10	11		13	11	16	8	6	9	33	10	10		9
10/16/2015	4	3	4		3	3	17	0	1	4	3				3
10/17/2015	4	5	5		5	4	14	1	2	4	4				5
10/18/2015	5	5	6		8	6		3	3	5	7				8
10/19/2015	6	6	6		6	4		2	4	5	6				6
10/20/2015	9	5	7		24	5	7	9	13	43	8				6
10/21/2015	5	5	5		19	4	5	7	18	9	5	7	10		5
10/22/2015	6	5	5		8	4	6	1	4	8	5				9
10/23/2015	7	6	6		10	5	7	2	5	7	6				10
10/24/2015	6	6	5			4	7	2	3	6	5				9
10/25/2015	6	6	5		5	5	7	2	5	6	5				8
10/26/2015	10	6	6		8	6	7	6	5	8	6				9
10/27/2015	8	8	7		11	6	11	5	7	12	12	9	22		11
10/28/2015	8	7	9		10	6	8	4	11	13	9				10
10/29/2015	23	14	26		115	13	12	38	51	69	21				9
10/30/2015	8	6	5		19	8	2	10	11	46	6				5
10/31/2015	5	5	5		5	4	2	1	3	7	4				11
11/1/2015	6	4	4		5	4	5	0	3	8	5				15
11/2/2015	16	17	73		24	25	25	26	69	66	101	10	16		39

App A- Daily Average PM10 for Coso Junction PM10 Planning Area and Surrounding Monitoring Stations 2010-2020

Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest- California Ave	Ridgecrest- Ward	Trona
11/3/2015	5	3	4		6	3	0	1	1	5	4				6
11/4/2015	4	4	4		21	4	3	5	9	10	6				4
11/5/2015	7	4	5		7	4	7	0	3	7	3				9
11/6/2015	5	6	5		6	5	5	1	6	7	4				5
11/7/2015	4	4	4		6	4	7	1	3	4	4				7
11/8/2015	4	6	17		4	4	6	1	3	5	7	4	11		7
11/9/2015	6	7	17		15	59	29	13	23	42	30				22
11/10/2015	11	9	34		95	13	4	54	35	11	20				7
11/11/2015	3	3	3		5	3	10	0	2	4	3				10
11/12/2015	4	5	5		7	6	9	1	7	6	6				12
11/13/2015	6	6	6		18	5	8	1	5	6	6				17
11/14/2015	6	5	6		11	4	6	2	4	6	7	4			16
11/15/2015	24	32	49		33	53	25	57	22	94	239				54
11/16/2015	121	156	215		800	234	71	412	444	384	237				111
11/17/2015	11	9	19		115	21	5	42	16	13	10				18
11/18/2015	7	8	8		53	8	12	6	10	9	6				22
11/19/2015	6	6	7		9	5	8	1	9	7	4				23
11/20/2015	6	7	7		15	7	7	3	5	8	7	13	27		28
11/21/2015	5	5	4		6	4	7	1	4	6	5				16
11/22/2015	6	5	4		6	5	10	1	4	5	4				15
11/23/2015	7	6	10		10	5	8	3	9	23	8				14
11/24/2015	14	74	204		231	101	46	1487	90	206	729				93
11/25/2015	16	10	17		10	8	10	12	12	37	30				55
11/26/2015	5	5	4		7	4	4	2	4	5	3	2	14		6
11/27/2015	4	5	5		8	4	4	8	5	5	5				9
11/28/2015	5	5	5		5	4	8	3	5	5	4				10
11/29/2015	5	6	7		6	5	13	3	4	5	5				12
11/30/2015	6	10	8		9	6	9	7	7	8	13				16
12/1/2015	9	10	11		13	8	16	6	8	14	6				16
12/2/2015	6	8	8		22	7	19	4	8	10	8	3	32		15
12/3/2015	10	17	20		12	10	31	8	14	18	16				29
12/4/2015	17	13	13		10	10	12	5	9	15	10				21
12/5/2015	17	6	5		7	5	12	3	5	6	5				15
12/6/2015	13	6	8		7	6	10	2	5	6	5				18
12/7/2015	8	10	12		12	8	14	6	12	10	7				17
12/8/2015	8	13	23		13	10	16	5	10	13	9	5	44		33
12/9/2015	10	9	12		12	8	16	5	9	12	9				21
12/10/2015	72	20	52		126	46	18	79	85	224	296				44
12/11/2015	5	6	8		17	12	8	7	18	7	4				11
12/12/2015	5	3	7		4	3	7	0	2	3	2				8
12/13/2015	34	39	2		5	3	7	1	2	23	4				16

App A- Daily Average PM10 for Coso Junction PM10 Planning Area and Surrounding Monitoring Stations 2010-2020

Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest- California Ave	Ridgecrest- Ward	Trona
12/14/2015	12	7	7		147	19	4	68	32	9	10	2	7		8
12/15/2015	12	4	44		47	14	6	25	122	12	24				11
12/16/2015	4	3	6		10	6	10	1	2	5	3				11
12/17/2015	6	5	8		10	7	11	8	5	5	6				11
12/18/2015	6	7	13		7	5	14	3	4	7	4				19
12/19/2015	7	19	29		15	13	18	9	12	26	17				11
12/20/2015	5	6	6		8	6	11	3	3	6	6	1	10		6
12/21/2015	6	3	5		6	4	5	1	4	5	4				13
12/22/2015	87	12	10		9	7	19	7	7	29	13				62
12/23/2015	8	8	8		12	7	7	5	6	9	8				10
12/24/2015	6	5	15		20	9	9	31	8	73	17				14
12/25/2015	4	4	4		6	4	3	1	3	9	3				6
12/26/2015	15	12	19		51	36	10	10	29	79	15		23		11
12/27/2015	4	2	3		5	4	12	0	2	4	2				11
12/28/2015	7	4	5		15	6	5	3	4	7	4				11
12/29/2015	4	4	4		6	3	7	0	2	13	3				10
12/30/2015	5	5	5		12	8	12	1	4	7	5				12
12/31/2015	4	4	4		7	5	7	1	3	4	3				11
1/1/2016	5	4	4		5	3	19	0	3	5	3	2	28		9
1/2/2016	6	6	5		8	5	7	2	4	7	5				13
1/3/2016	8	7	7		11	8	13	4	8	8	7				20
1/4/2016	10	10	10		11	9	13	5	10	11	9				28
1/5/2016	8	5	7		8	6	6	3	4	7	7				14
1/6/2016	2	3	2		4	3	4	0	1	2	4				4
1/7/2016	3	3	3		4	2	3	0	2	3	3	1	4		3
1/8/2016	3	3	3		4	3	4	0	3	3	3				5
1/9/2016	4	3	3		4	3	8	0	2	4	3				7
1/10/2016	4	4	4		5	3	5	1	2	4	3				8
1/11/2016	3	3	3		5	3	8	0	2	4	3				7
1/12/2016	5	4	3		5	4	11	0	3	4	3				9
1/13/2016	7	5	8		10	5	5	3	6	19	13	2	16		11
1/14/2016	8	4	4		6	4		1	3	10	4				9
1/15/2016	123	5	5		8	5		3	4	42	5				9
1/16/2016	4	4	4		5	4		1	3	4	4				9
1/17/2016	4	12	8		7	7		3	6	18	5				10
1/18/2016	4	9	8		9	6		4	6	7	7				7
1/19/2016	4	6	10		8	5		5	4	7	8	1	11		6
1/20/2016	3	4	4		4	3		1	3	5	4				12
1/21/2016	4	3	4		4	3		1	1	5	4				13
1/22/2016	4	5	9		8	8		4	8	6	5				14
1/23/2016	4	7	8		9	5		3	2	4	7				20

App A- Daily Average PM10 for Coso Junction PM10 Planning Area and Surrounding Monitoring Stations 2010-2020

Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest- California Ave	Ridgecrest- Ward	Trona
1/24/2016	3	3	3		4	3		0	0	3	3				8
1/25/2016	3	3	4		9	4		1	2	4	4	1	11		10
1/26/2016	8	4	4		5	4		1	2	7	4				10
1/27/2016	4	5	4		6	5		1	6	11	4				17
1/28/2016	6	5	5		6	5		1	4	7	4				16
1/29/2016	11	6	9		6	5		5	4	15	7				18
1/30/2016	36	166	33		8	6		6	19	279	28				54
1/31/2016	2	2	2		3	2		0	0	2	2	3	2		7
2/1/2016	50	15	14		236	28		54	80	148	17				11
2/2/2016	4	3	3		5	4		0	3	4	3				8
2/3/2016	5	3	4		4	6		1	2	5	4				8
2/4/2016	4	4	4		7	4		1	3	4	4				8
2/5/2016	5	3	4		4	3		0	2	4	3				10
2/6/2016	4	4	4		6	3		1	2	4	4	2	16		7
2/7/2016	6	5	6		9	5		4	6	6	7				9
2/8/2016	6	6	5		8	5		2	13	5	5				8
2/9/2016	6	6	7		7	5		2	7	6	5				12
2/10/2016	8	7	8		7	6		3	6	7	5				14
2/11/2016	7	5	9		10	6		3	9	6	6				14
2/12/2016	7	6	8		9	6		3	9	7	6		21		19
2/13/2016	7	6	6		10	6		2	6	7	6				14
2/14/2016	9	6	9		37	10		22	14	16	23				26
2/15/2016	4	4	4		5	4		0	6	6	3				18
2/16/2016	6	4	5		9	5		1	13	7	3				16
2/17/2016	14	41	104		36	33		36	55	22	82				24
2/18/2016	5	3	82		32	12		9	6	49	78	1	4		6
2/19/2016	5	5	5		10	4		1	3	6	5				5
2/20/2016	7	6	6		9	5		2	3	6	6				9
2/21/2016	6	6	6		10	6		2	3	12	6				9
2/22/2016	13	9	31		76	15		28	20	42	31				11
2/23/2016	17	11	12		16	9		8	9	17	15				12
2/24/2016	15	10	10		12	10		5	7	13	8		19		10
2/25/2016	13	9	9		9	8		4	6	10	7				14
2/26/2016	6	9	9		11	8		4	6	8	7				13
2/27/2016	7	8	6		8	7		3	5	7	5				17
2/28/2016	7	7	7		8	6		3	5	7	6				13
2/29/2016	10	8	8		10	10		4	10	12	7				14
3/1/2016	10	8	14		11	9		4	8	13	9	7	19		19
3/2/2016	13	10	10		15	9		7	10	19	9				16
3/3/2016	12	10	10		12	11		6	9	12	9				18
3/4/2016	12	12	18		14	17		6	12	15	10				27

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Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest- California Ave	Ridgecrest- Ward	Trona
3/5/2016	6	24	109		104	178		46	75	15	478				29
3/6/2016	7	2	4		30	3		7	5	5	15				23
3/7/2016	6	6	10		6	6		1	4	7	12	1	7		8
3/8/2016	4	3	4		8	3		0	5	4	3				7
3/9/2016	6	5	5		10	5		2	3	5	7				6
3/10/2016	6	7	9		7	8		1	2	9	6				12
3/11/2016	26	22	72		48	37		27	15	13	120				25
3/12/2016	6	6	6		6	5		2	3	6	5				7
3/13/2016	7	12	18		15	9		7	8	15	61	3	10		21
3/14/2016	8	12	12		22	18		11	17	12	20				10
3/15/2016	13	12	13		14	12		7	10	12	11				13
3/16/2016	12	11	11		12	9		6	10	11	10				14
3/17/2016	11	11	12		13	10		7	10	11	9				14
3/18/2016	12	11	11		13	10		7	10	15	11				18
3/19/2016	10	11	10		11	11		6	8	11	8	8	16		18
3/20/2016	9	20	16		55	36		23	11	21	11				15
3/21/2016	26	35	37		68	25		40	31	29	100				54
3/22/2016	17	30	24		63	15		32	24	80	20				20
3/23/2016	7	6	5		6	5		1	5	9	5				11
3/24/2016	10	7	6		8	10		2	5	10	7				13
3/25/2016	10	9	9		11	7		4	9	11	8	11	13		14
3/26/2016	18	17	18		18	15		13	15	26	21				23
3/27/2016	18	13	14		15	13		10	12	15	19				19
3/28/2016	29	18	106		159	77		73	382	53	204				137
3/29/2016	7	6	6		12	11		7	12	8	10				7
3/30/2016	7	9	3		10	5		3		8	6				12
3/31/2016	8	6	7		10	6		1	4	9	4	9	9		9
4/1/2016	9	8	5		7	5	5	3	4	9	5				13
4/2/2016	10	9	10		7	6	7	4	6	10	7				19
4/3/2016	12	11	10		9	10	10	6	8	12	11				20
4/4/2016	13	11	10		11	10	9	6	10	12	10				16
4/5/2016	11	11	10		11	13	10	6	13	11	11				19
4/6/2016	9	9	10		13	9	8	6	8	9	10	8	23		14
4/7/2016	12	10	13		18	11	10	7	14	13	15				22
4/8/2016	6	7	6		9	7	7	4	6	7					8
4/9/2016	3	3	3		3	3	3	2	1	4	3				4
4/10/2016	4	4	4		4	4	3	1	2	5	4				6
4/11/2016	6	6	6		6	5	5	3	4	8	6				6
4/12/2016	7	6	6		6	6	6	3	4	7	6	10	9		10
4/13/2016	12	10	10		12	8	8	6	7	12	10				17
4/14/2016	13	10	10		188	42	10	111	21	10	12				21

App A- Daily Average PM10 for Coso Junction PM10 Planning Area and Surrounding Monitoring Stations 2010-2020

Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest- California Ave	Ridgecrest- Ward	Trona
4/15/2016	75	24	23		198	150	34	65	249	148	56				44
4/16/2016	20	15	14		63	24	14	25	20	59	16				8
4/17/2016	8	9	7		9	7	11	4	9	8	7				6
4/18/2016	13	11	11		16	10	10	7	14	17	11		17		18
4/19/2016	15	14	12		14	10	11	7	10	16	12				20
4/20/2016	14	14	13		12	11	11	7		15	12				13
4/21/2016	16	9	15		12	8	7	4	7	17	13				17
4/22/2016	52	14	127		46	23	17	12	36	65	235				46
4/23/2016	6	5	5		12	5	3	2	5	7	4				8
4/24/2016	15	9	9		14	12	7	6	8	11	10				18
4/25/2016	15	12	12		64	50	16	32	47	29	21				26
4/26/2016	10	10	9		12	8	6	7	7	10	9		35		13
4/27/2016	14	14	12		13	13	8	7	7	20	18				25
4/28/2016	13	9	8		46	23	7	9	20	33	11				9
4/29/2016	19	8	8		12	8	7	3	8	13	8				11
4/30/2016	24	9	7		35	12	10	7	33	67	10	12	13		28
5/1/2016	6	6	5		6	5	9	1	5	7	6				5
5/2/2016	8	7	6		7	6	7	2	5	8	6				6
5/3/2016	11	8	6		8	6	5	3	4	10	6				6
5/4/2016	16	13	12		14	11	13	7	10	15	17				20
5/5/2016	15	12	13		13	11	9	8	10	14	16				16
5/6/2016	10	9	7		10	10	8	5	6	10	9	4			8
5/7/2016	7	6	5		6	5	4	2	4	7	6				6
5/8/2016	5	5	4		5	5	4	1	4	5	5				8
5/9/2016	10	9	9		9	8	9	5	6	9	9				12
5/10/2016	14	12	11		17	13	12	9	11	13	15		18		18
5/11/2016	13	13	9		13	10	9	8	9	22	11				16
5/12/2016	13	12	11		15	10	10	7	9	14	12		18		11
5/13/2016	18	16	15		17	15	16	10	13	19	17				28
5/14/2016	30	20	23		18	16	18	11	13	23	18				31
5/15/2016	13	11	10		14	12	11	8	12	12	12				16
5/16/2016	15	9	8		18	8	7	7	14	17	9				17
5/17/2016	12	8	9		19	8	7	7	17	21	11				8
5/18/2016	15	12	10		12	8	11	5	22	20	10	11	16		11
5/19/2016	24	16	18		36	16	13	22	18	26	102				49
5/20/2016	21	21	53		175	95	23	115	46	70	304				59
5/21/2016	18	15	15		16	19	12	12	16	15	21				23
5/22/2016	10	9	9		10	8	6	7	6	10	10				23
5/23/2016	18	13	13		20	16	14	11	15	15	15				21
5/24/2016	13	11	10		18	14	6	10	8	11	12	14	13		19
5/25/2016	11	8	8		29	12	7	6	13	11	10				14

App A- Daily Average PM10 for Coso Junction PM10 Planning Area and Surrounding Monitoring Stations 2010-2020

Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest- California Ave	Ridgecrest- Ward	Trona
5/26/2016	9	6	6		8	5	4	3	6	9	8				11
5/27/2016	12	10	10		8	8	8	6	6	13	10				16
5/28/2016	17	15	13		47	13	14	17	12	20	22				25
5/29/2016	15	14	14		14	13	13	9	11	17	14				21
5/30/2016	16	18	13		23	14	16	10	13	19	21	22	20		20
5/31/2016	17	17	15		15	10	14	8	17	15	16				21
6/1/2016	19	20	18		17	15	14	10	17	17	18				22
6/2/2016	24	19	17		28	17	21	13	15	22	20				30
6/3/2016	16	16	17		16	15	15	11	15	18	15				20
6/4/2016	19	17	15		16	14	18	8	13	20	17				22
6/5/2016	27	23	24		27	22	22	16	21	25	23	41	25		
6/6/2016	32	24	24		27	26	23	21	30	28	28				
6/7/2016	25	21	20		23	18	17	16	20	24	21				28
6/8/2016	19	18	18		30	15	18	13	16	30	21				30
6/9/2016	17	13	19		29	17	11	12	12	19	31				34
6/10/2016	23	23	29		20	17	27	11	19	32	20				31
6/11/2016	27	28	32		59	30	26	25	31	29	33	35	29		25
6/12/2016	9	8	7		20	7	6	5	6	8	7				21
6/13/2016	14	10	10		12	10	7	6	12	12	11				17
6/14/2016	47	13	15		25	18	11	14	18	14	17				31
6/15/2016	18	18	33		58	54	21	46	34	24	208				49
6/16/2016	18	17	16		23	18	17	12	17	17	37				24
6/17/2016	20	15	23		19	13	13	10	11	20	21		19		25
6/18/2016	13	11	11		10	11	13	4	6	12	10				16
6/19/2016	9	8	8		6	7	7	4	5	8	9				15
6/20/2016	13	10	10		11	13	6	6	12	12	11				21
6/21/2016	24	16	18		13	12	9	12	12	19	14				
6/22/2016	23	16	16		16	13	10	13	13	21	15				20
6/23/2016	27	10	7		15	15	5	6	15	22	7	40	31		33
6/24/2016	16	11	12		14	12	6	9	14	21	13				58
6/25/2016	30	29	26		22	24	21	17	27	29	29				58
6/26/2016	36	38	32		35	30	25	27	30	35	36				53
6/27/2016	25	24	23		32	25	22	22	22	26	30				39
6/28/2016	37	31	28		32	26	21	28	26	41	30				37
6/29/2016	20	17	16		25	13	13	10	12	25	12		24		19
6/30/2016	26	41	55		44	65	17	35	30	39	60				25
7/1/2016	69	68	70		51	82	59	41	62	70	70				
7/2/2016	74	77	90		68	75	66	57	70	82	81				
7/3/2016	24	20	22		22	15	12	13	14	21	19				
7/4/2016	21	16	14		13	13	12	8	11	19	14				
7/5/2016	28	21	19		20	17	19	16	22	27	21	33			

App A- Daily Average PM10 for Coso Junction PM10 Planning Area and Surrounding Monitoring Stations 2010-2020

Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest- California Ave	Ridgecrest- Ward	Trona
7/6/2016	26	22	21		27	25	15	21	21	28	28				
7/7/2016	27	24	26		25	34	18	20	21	29	34				
7/8/2016	23	19	27		18	20	17	14	15	23	21				
7/9/2016	17	13	14		14	13	14	9	13	21	23				
7/10/2016	12	7	6		8	7	3	5	8	13	6				
7/11/2016	22	14	15		17	25	15	12	20	21	15	20	24		
7/12/2016	26	18	17		17	19	13	11	18	23	17				
7/13/2016	23	21	32		20	30	12	12	18	25	20				
7/14/2016	30	25	27		24	46	16	16	23	31	30				
7/15/2016	34	24	23		33	22	18	16	21	33	24				
7/16/2016	30	20	18		17	18	15	14	16	22	21				
7/17/2016	21	17	20		18	20	16	12	14	24	24	28	24		
7/18/2016	17	13	15		15	43	10	5	11	21	14				
7/19/2016	22	12	17		26	31	10	7	10	41	15				
7/20/2016	18	12	13		13	14	12	6	11	23	13				
7/21/2016	26	16	16		16	15	12	9	13	31	16				
7/22/2016	18	15	15		18	13	11	9	12	21	13				
7/23/2016	20	15	14		29	16	12	12	14	21	14	46	30		
7/24/2016	29	12	12		13	17	9	8	10	15	13				28
7/25/2016	22	18	17		18	15	15	12	17	28	17				27
7/26/2016	23	20	24		21	19	15	14	19	32	20				26
7/27/2016	28	24	25		26	23	16	18	20	36	23				38
7/28/2016	27	21	21		23	19	15	12	20	28	21				38
7/29/2016	21	16	18		30	24	14	13	25	22	16	37	33		32
7/30/2016	28	25	24		26	24	22	22	27	27	28				84
7/31/2016	38	43	36		39	44	37	33	37	41	50				53
8/1/2016	34	34	33		33	32	27	23	34	55	35				31
8/2/2016	32	30	28		30	34	25	20	28	42	33				31
8/3/2016	31	28	27		29	29	23	22	27	50	32				40
8/4/2016	31	30	28		33	33	27	22	26	40	32	38	37		37
8/5/2016	27	18	18		23	20	19	15	15	26	23				38
8/6/2016	20	16	16		17	16	17	10	15	32	19				31
8/7/2016	17	14	14		14	13	9	9	12	21	16				25
8/8/2016	15	12	18		13	12	15	7	14	27	14				25
8/9/2016	21	13	17		15	13	15	9	15	27	14				36
8/10/2016	26	21	26		21	20	17	14	22	36	27	27	29		29
8/11/2016	25	15	20		24	14	13	10	13	23	19				21
8/12/2016	24	17	16		17	15	13	10	13	23	17				26
8/13/2016	18	17	15		15	14	13	9	14	18	16				29
8/14/2016	22	16	14		17	16	16	10	13	24	19				43
8/15/2016	19	13	12		20	12	13	6	12	18	13				22

App A- Daily Average PM10 for Coso Junction PM10 Planning Area and Surrounding Monitoring Stations 2010-2020

Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest- California Ave	Ridgecrest- Ward	Trona
8/16/2016	23	18	20		22	17	12	9	15	24	17	24	25		23
8/17/2016	22	21	19		20	18	15	12	16	28	19				25
8/18/2016	25	24	22		23	20	19	14	19	28	21				21
8/19/2016	14	14	12		12	10	11	8	11	15	12				16
8/20/2016	67	47	46		37	39	29	31	39	51	49				54
8/21/2016	83	75	76		78	74	69	68	73	82	84				49
8/22/2016	41	25	24		32	25	20	26	24	49	29	58	66		44
8/23/2016	20	15	16		22	18	16	12	19	19	17				43
8/24/2016	30	29	27		25	22	23	21	22	30	29				63
8/25/2016	59	46	44		39	35	29	32	34	48	46				55
8/26/2016	54	55	53		49	42	31	38	36	60	58				40
8/27/2016	51	43	39		30	31	27	24	29	43	38				40
8/28/2016	35	33	31		33	33	27	27	28	32	35	47	44		42
8/29/2016	23	22	20		23	22	17	16	19	22	22				37
8/30/2016	21	22	20		21	19	16	14	18	24	19				32
8/31/2016	25	22	19		26	20	19	13	19	49	20				40
9/1/2016	20	15	17		12	13	15	7	12	25	24				37
9/2/2016	21	15	16		18	14	13	10	13	18	15				35
9/3/2016	37	20	21		21	26	14	15	17	23	23	40	39		43
9/4/2016	23	21	19		28	21	16	23	20	22	30				47
9/5/2016	29	28	23		26	25	23	20	25	26	26				28
9/6/2016	21	19	17		19	18	13	12	15	21	17				29
9/7/2016	32	29	26		27	24	23	20	28	31	29				40
9/8/2016	34	33	29		31	28	27	24	31	39	34				40
9/9/2016	27	25	25		27	21	18	17	22	28	23	37			40
9/10/2016	22	21	17		23	20	19	15	17	22	23				41
9/11/2016	30	25	24		23	22	25	17	20	29	23				43
9/12/2016	33	24	20		21	17	22	14	19	20	20				44
9/13/2016	24	19	23		26	24	13	19	24	30	29				32
9/14/2016	21	16	15		25	15	15	13	18	27	17				23
9/15/2016	20	16	15		22	15	12	11	17	21	16	28	32		19
9/16/2016	14	14	12		24	13	11	8	12	21	15				20
9/17/2016	13	12	10		20	11	13	7	13	15	11				18
9/18/2016	16	11	9		11	9	11	6	8	16	10				11
9/19/2016	18	17	19		22	18	17	14	17	23	23				23
9/20/2016	28	31	27		28	24	24	17	23	34	28				27
9/21/2016	39	25	28		22	18	20	14	18	32	26	39			29
9/22/2016	44	17	35		122	41	21	33	41	53	35				
9/23/2016	10	8	8		13	8	10	4	10	11	6		19		
9/24/2016	7	7	6		13	7	2	4	12	12	6				
9/25/2016	9	9	6		18	12	4	3	14	11	7				

App A- Daily Average PM10 for Coso Junction PM10 Planning Area and Surrounding Monitoring Stations 2010-2020

Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest- California Ave	Ridgecrest- Ward	Trona
9/26/2016	7	7	7		14	10	6	3	10	13	5				
9/27/2016	11	10	10		18	10	10	4	8	26	8	15	26		18
9/28/2016	18	16	21		30	15	10	14	13	25	15				17
9/29/2016	17	16	17		24	13	16	8	12	34	15				12
9/30/2016	30	25	25		39	23	25	17	21	38	26				29
10/1/2016	15	11	23		20	13	13	6	10	43	27				33
10/2/2016	22	16	19		44	37	16	10	25	65	28				47
10/3/2016	12	11	10		27	14	9	5	11	21	10	24	20		20
10/4/2016	20	15	15		23	12	17	10	12	25	15				
10/5/2016	16	13	14		25	13	10	9	11	25	15				
10/6/2016	10	8	8		21	7	9	3	6	10	7				53
10/7/2016	9	8	11		15	7	8	3	9	16	7				12
10/8/2016	8	8	7		9	8	12	3	7	13	7				21
10/9/2016	14	13	12		11	11	12	6	9	24	13	15			18
10/10/2016	15	14	16		28	16	14	7	12	30	12				28
10/11/2016	17	14	14		21	11	9	7	12	22	12				17
10/12/2016	18	17	16		21	16	15	10	16	26	17				25
10/13/2016	25	21	23		26	19	19	14	19	30	20				37
10/14/2016	18	19	17		22	13	14	10	16	34	20				31
10/15/2016	21	16	50		46	20	18	14	17	72	156	21	26		55
10/16/2016	140	82	131		201	198	227	38	127	530	202				50
10/17/2016	20	51	64		52	76	44	23	32	77	326				26
10/18/2016	11	13	16		19	12	14	9	9	12	15				19
10/19/2016	10	11	10		16	10	11	7	8	13	9				20
10/20/2016	14	9	8		10	10	9	4	9	8	6				13
10/21/2016	12	10	11		12	9	11	6	16	18	9	13			19
10/22/2016	19	17	18		17	14	16	10	13	27	15				21
10/23/2016	21	24	36		24	21	73	10	23	44	47				20
10/24/2016	12	17	38		14	14	20	10	13	19	30				10
10/25/2016	15	16	15		14	13	13	8	14	18	12				15
10/26/2016	15	10	12		11	9	12	8	27	19	10				
10/27/2016	14	14	16		19	10	17	6	13	25	12	11	23		17
10/28/2016	8	10	29		7	7	15	2	8	10	35				13
10/29/2016	5	9	37		4	5	11	1	5	8	7				5
10/30/2016	5	10	170		56	35	20	13	21	11	213				9
10/31/2016	5	5	6		5	5	6	1	8	4	6				7
11/1/2016	6	6	7		7	6	6	2	6	7	8				10
11/2/2016	5	5	5		6	6	7	1	4	10	4	6	14		8
11/3/2016	5	6	6		10	8	7	2	8	10	6				15
11/4/2016	7	8	10		9	9	11	4	9	11	8				15
11/5/2016	8	8	9		10	8	9	4	9	11	8				13

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Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest- California Ave	Ridgecrest- Ward	Trona
11/6/2016	10	11	10		11	10	14	6	12	11	10				19
11/7/2016	9	10	9		11	11	11	6	17	12	9				19
11/8/2016	9	9	9		16	10	12	6	10	11	8	8	27		13
11/9/2016	8	9	9		11	10	10	5	11	13	9				13
11/10/2016	9	9	8		13	10	11	5	8	11	8				15
11/11/2016	10	9	9		9	8	10	5	7	20	9				18
11/12/2016	15	13	12		23	12	20	8	12	19	13				21
11/13/2016	14	14	13		16	13	18	10	13	16	15				21
11/14/2016	17	15	20		17	15	16	11	27	19	16	30	29		22
11/15/2016	20	27	24		30	23	20	19	27	40	24				25
11/16/2016	266	45	53		249	446	122	99	284	246	77				86
11/17/2016	7	5	6		13	7	7	2	7	12	9				10
11/18/2016	8	5	7		7	6	5	2	5	15	5				9
11/19/2016	9	16	140		27	63	64	12	69	52	30				11
11/20/2016	11	16	22		22	29	24	9	15	14	25	7	23		24
11/21/2016	7	7	7		4	9	7	4	7	10	7				11
11/22/2016	5	5	5		5	4	7	2	3	6	4				8
11/23/2016	8	7	7		9	6	10	4	7	9	8				11
11/24/2016	8	9	8		9	7	11	4	6	9	8				13
11/25/2016	10	16	32		17	17	16	12	13	17	14				17
11/26/2016	22	15	53		36	19	22	44	17	21	54	10			36
11/27/2016	3	5	6		5	5	6	2	3	5	11				9
11/28/2016	5	5	7		7	9	5	5	5	6	9				8
11/29/2016	4	7	8		11	6	9		4	6	6				12
11/30/2016	4	6	7		9	5	7		3	8	6				14
12/1/2016	13	7	9		15	12	11		10	38	7				13
12/2/2016	127	16	15		90	58	13		53	161	17	10	28		24
12/3/2016	9	5	4		5	5	7		3	7	5				7
12/4/2016	10	6	6		7	6	14		5	9	5				14
12/5/2016	9	7	16		12	8	12		20	13	7				16
12/6/2016	9	7	11		12	7	9		12	11	8				23
12/7/2016	17	13	17		23	14	14		14	14	15				18
12/8/2016	14	13	14		20	13	17	5	12	14	14	7	33		14
12/9/2016	10	12	17		17	13	17	8	13	15	12				14
12/10/2016	7	9	8		9	8	14	3	8	9	9				10
12/11/2016	5	6	5		11	5	9	1	5	8	6				7
12/12/2016	6	5	5		8	6	11	1	4	8	4				13
12/13/2016	8	6	7		9	6	9	1	4	9	6				16
12/14/2016	6	17	28		10	6	9		5	53	18	3	17		23
12/15/2016	11	30	115		64	77	63		69	21	227				27
12/16/2016	7	4	5		17	6	2		19	4	10				58

App A- Daily Average PM10 for Coso Junction PM10 Planning Area and Surrounding Monitoring Stations 2010-2020

Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest- California Ave	Ridgecrest- Ward	Trona
12/17/2016	8	7	6		26	11	9	9	5	21	5				7
12/18/2016	4	4	5		5	4	4	0	3	4	5				10
12/19/2016	5	5	5		12	8	7	2	7	5	9				10
12/20/2016	10	5	5		8	4	9	1	4	9	4	2	32		18
12/21/2016	7	6	13		8	5	9	2	4	8	4				21
12/22/2016	6	6	8		7	5	10	2	3	6	4				8
12/23/2016	5	20	94		12	11	15	18	8	6	89				13
12/24/2016	2	3	5		15	5	3	2	5	4	6				4
12/25/2016	4	4	4		4	4	5	1	1	4	4				5
12/26/2016	3	4	4		5	4	7	0	3	4	3	2			5
12/27/2016	4	5	5		8	6	9	2	9	4	4				8
12/28/2016	5	7	6		9	7	14	3	5	6	6		22		13
12/29/2016	5	7	7		10	7	12	3	5	5	6				23
12/30/2016	5	6	6		8	6	12	4	5	6	7				22
12/31/2016	3	3	3		3	3	5	0	2	3	3				14
1/1/2017	3	3	5		5	4	11	1	2	6	5	2			
1/2/2017	5	15	13		27	13	7	5	18	18	13				
1/3/2017	6	38	58		10	17	33	5	39	11	26				
1/4/2017	4	6			6	9	9	2	10	4	5				
1/5/2017	2	3	4		26	6	4	6	3	26	4				
1/6/2017	12	10	12		14	10	9	9	8	14	13				
1/7/2017	9	10	12		11	11	11	8	8	11	12	7	11		
1/8/2017	5	5	5		5	4	3	1	2	4	4				
1/9/2017	5	6	4		3	3	4	0	3	28	4				
1/10/2017	11		60		12	12	5	14	11	109	55				
1/11/2017	3		11		8	4	1	2	3	5	14				30
1/12/2017	4	9	12		4	4	3	3	2	4	4				7
1/13/2017	3	3	3		13	3	1	2	6	18	3	3	5		5
1/14/2017	3	3	3		4	3	1	0	3	4	3				6
1/15/2017	4	4	5		5	4	5	1	3	4	4				11
1/16/2017	5	4	7		19	5	2	5	22	6	5				14
1/17/2017	5	5	9		7	7	11	1	6	6	4				11
1/18/2017	6	22	31		19	14	8	12	18	14	9				11
1/19/2017	2	2	3		3	2	3	0	2	2	3	3	4		5
1/20/2017	2	2	3		3	2	3	0	0	3	3				6
1/21/2017	4	4	4		4	3	3	1	2	5	4				4
1/22/2017	2		4		3	3	2	1	1	3	2				8
1/23/2017	3		3		3	3	1	0	1	3	3				6
1/24/2017	3		4		5	3	1	0	8	4	4				5
1/25/2017	3		4		5	3	2	0	11	4	4	2	20		4
1/26/2017	4		5		9	4	3	1	6	17	5				7

App A- Daily Average PM10 for Coso Junction PM10 Planning Area and Surrounding Monitoring Stations 2010-2020

Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest- California Ave	Ridgecrest- Ward	Trona
1/27/2017	16		7		24	10	2	10	22	27	6				9
1/28/2017	4	4	4		6	4	3	1	2	4	4				10
1/29/2017	4	4	4		5	4	3	0	2	4	4				15
1/30/2017	4	7	9		12	5	4	6	2	5	9				14
1/31/2017	5	6	7		9	5	4	4	3	6	4	3	26		10
2/1/2017	6	5	6		11	5	6	2	5	7	4				14
2/2/2017	9	7	14		13	10	8	7	13	9	11				14
2/3/2017	17	24	46		17	13	5	10	8	18	26				15
2/4/2017	5	4	4		5	4	3	0	3	5	3				5
2/5/2017	5	12	15		10	9	11	6	6	6	12				7
2/6/2017	4	11	37		9	7	7	6	6	18	142	3	7		14
2/7/2017	8	8	12		17	7	3	7	6	31	13				31
2/8/2017		1	4		5	4	3	0	2	4	3				3
2/9/2017		20	70		13	126	27	4	37	18	32				16
2/10/2017	5	13	138		16	78	33	11	14	16	25				14
2/11/2017	12	3	6		90	4	1	13	7	27	7				4
2/12/2017	14	3	9		42	3	3	12	18	60	8	4			8
2/13/2017	4	5	5		9	4	2	1	8	5	4				9
2/14/2017	5	6	19		7	4	3	2	9	7	5				
2/15/2017	8	7	13		11	8	6	3	6	9	6				
2/16/2017	9	9	30		18	19	11	9	19	21	11		16		
2/17/2017	3	3	5		5	4	2	1	2	3	3				
2/18/2017	4	2	3		3	2	3	0	0	3	3	2	5		
2/19/2017	5	4	4		5	3	4	1	2	4	4				
2/20/2017	4	4	12		7	4	1	2	2	7	10				
2/21/2017	3	5	71		9	12	5	8	11	15	29				
2/22/2017	4	11	45		37	8	4	12	9	9	23				
2/23/2017	4	4	6		5	3	1	0	5	5	3				
2/24/2017	6	4	5		7	4	2	0	2	7	3	4	9		
2/25/2017	5	4	4		6	4	4	0	3	6	3				
2/26/2017	5	14	16		4	5	5	0	4	7	6				
2/27/2017	4	15	27		11	8	4	8	9	8	17				
2/28/2017	5	5	9		7	5	4	1	5	6	5				
3/1/2017	5	4	6		7	5	5	1	6	6	5				9
3/2/2017	5	5	8		7	5	5	1	5	5	5	3			13
3/3/2017	5	5	13		9	7	4	3	5	5	5				9
3/4/2017	10	38	125		71	203	23	86	25	17	62		16		27
3/5/2017	20	22	768		171	403	31	56	43	47	540				117
3/6/2017	5	5	10		8	6	6	2	7	6	11				8
3/7/2017	6	7	9		7	5	9	2	6	7	6				10
3/8/2017	6	7	9		11	5	7	4	7	9	6	5	25		12

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Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest- California Ave	Ridgecrest- Ward	Trona
3/9/2017	5	6	8		7	5	5	2	5	7	5				17
3/10/2017	8	7	7		8	9	7	4	9	9	6				13
3/11/2017	8	6	7		8	9	5	3	10	7	6				12
3/12/2017	6	7	7		7	7	5	3	8	8	6				20
3/13/2017	6	9	11		9	10	7	4	12	8	6				13
3/14/2017	9	9	9		12	9	6	4	10	9	8	7	31		13
3/15/2017	13	14	74		26	20	8	15	18	12	32				21
3/16/2017	13	16	15		16	17	9	7	11	14	9				17
3/17/2017	11	24	21		18	26	13	8	16	15	12				20
3/18/2017	9	70	30		17	178	27	13	49	11	12				17
3/19/2017	11	21	17		11	18	10	8	8	11	12				16
3/20/2017	11	55	59		22	57	28	10	27	16	19	13	30		35
3/21/2017	13	51	112		39	77	24	13	33	13	25				13
3/22/2017	10	16	28		25	20	8	12	8	13	35				23
3/23/2017	12	6	45		17	5	5	4	19	12	9				8
3/24/2017	7	71	94		27	183	23	15	26	20	74				16
3/25/2017	7	6	6		6	5	6	2	3	6	6				9
3/26/2017	6	7	8		6	6	8	3	5	7	7	7	8		10
3/27/2017	53	17	235		110	9	20	52	53	218	73				44
3/28/2017	16	10	17		19	8	7	9	45	25	17				16
3/29/2017	8	11	11		8	11	8	3	10	8	7				14
3/30/2017	82	50	247		512	1015	92	397	555	334	279				262
3/31/2017	229	76	240		1170	1222	48	376	615	810	167				63
4/1/2017	30	13	16		102	13	15	24	15	118	14	14	18		11
4/2/2017	8	7	8		8	9	7	3	6	15	7				15
4/3/2017	15	10	13		28	14	9	6	22	31	9				19
4/4/2017		12	13		28	11	10	7	23	15	12				19
4/5/2017		17	30		17	23	15	11	19	14	22				18
4/6/2017	24	429	182		116	223	54	74	185	66	170				46
4/7/2017		127	2164		150	297	261	93	218	70	784	12	28		47
4/8/2017		5	60		48	29	7	6	5	29	43				51
4/9/2017		6	5		6	2	4	0	1	6	5				11
4/10/2017		13	20		10	13	11	7	14	11	17				14
4/11/2017		26	65		16	17	15	12	18	16	25				25
4/12/2017		17	167		17	23	26	9	16	16	26				16
4/13/2017			213		78	55	30	44	29	65	483	10	22		71
4/14/2017	12		9		13	12	9	9	11	13	13				15
4/15/2017	12	11	13		13	11	10	7	9	16	11				18
4/16/2017	15	21	84		24	17	11	20	13	22	82				21
4/17/2017	11	10	55		21	20	18	9	22	15	80				22
4/18/2017	23	9	29		10	9	5	6	8	24	20				21

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Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest- California Ave	Ridgecrest- Ward	Trona
4/19/2017	9	8	10		8	9	8	5	10	12	9	12	13		12
4/20/2017	12	11	14		13	11	8	7	30	15	12				16
4/21/2017	17	12	13		11	11	12	7	20	15	10				34
4/22/2017	18	16	23		14	16	12	9	14	21	17				24
4/23/2017	14	11	12		13	13	11	8	13	17	12				37
4/24/2017	14	11	19		114	55	8	21	45	14	14				26
4/25/2017	13	12	16		16	12	9	9	23	17	13		12		14
4/26/2017	16	13	18		66	72	23	25	70	16	19				18
4/27/2017	12	11	26		45	14	10	10	18	13	15				14
4/28/2017	44	20	55		88	44	19	25	51	145	28				30
4/29/2017	12	7	7		14	8	8	3	8	24	8				8
4/30/2017	13	10	12		10	9	9	6	9	14	9				16
5/1/2017	11	8	9		16	12	8	6	19	11	15	21	24		22
5/2/2017	13	10	11		13	12	8	6	11	11	12				22
5/3/2017	13	10	11		12	11	9	5	17	14	12				18
5/4/2017	20	16	19		18	20	16	11	15	21	17				27
5/5/2017	21	20	38		20	26	18	13	17	26	36				35
5/6/2017	21	31	115		38	32	33	16	23	31	33				40
5/7/2017	14	11	14		16	8	6	7	7	13	12	10	12		16
5/8/2017	10	9	10		33	11	8	11	8	14	10				15
5/9/2017	15	13	14		14	13	8	9	40	13	16				32
5/10/2017	27	27	30		27	27	25	25	27	25	31				27
5/11/2017	24	22	28		24	24	20	18	37	25	25				28
5/12/2017	24	25	82		41	22	19	20	20	20	67				47
5/13/2017	13	11	14		18	13	11	10	18	13	13	28	18		20
5/14/2017	15	19	41		13	12	14	10	10	16	19				26
5/15/2017	16	12	14		12	12	10	9	14	12	14				21
5/16/2017	11	6	7		7	6	5	3	5	7	6				18
5/17/2017	19	9	21		22	17	9	13	72	48	10				29
5/18/2017	7	7	9		13	13	6	4	37	11	6				12
5/19/2017	8	8	7		7	6	7	3	10	9	5	17	16		9
5/20/2017	13	11	11		8	8	12	3	9	13	8				14
5/21/2017	20	15	16		14	13	11	11	12	20	14				21
5/22/2017	15	14	14		12	11	6	8	17	16	11				19
5/23/2017	20	17	20		17	16	15	12	19	20	17				27
5/24/2017	36	16	16		27	16	11		29	40	17				41
5/25/2017	21	5	9		9	11	1		15	9	10	25	25		58
5/26/2017	21	17	17		21	16	9	16	20	21	17				22
5/27/2017	20	14	14		13	12	10	8	10	19	13				15
5/28/2017	22	12	12		12	9	8	5	11	15	10				19
5/29/2017	20	13	13		11	10	7	7	9	16	12				23

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Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest- California Ave	Ridgecrest- Ward	Trona
5/30/2017	23	24	26		18	17	18	13	28	23	19				33
5/31/2017	37	20	33		28	20	17	19	21	27	26	26	27		29
6/1/2017	28	12	13		12	10	9	6	10	18	11				18
6/2/2017	35	15	16		13	14	11	9	13	19	15				23
6/3/2017	23	19	24		19	17	16	13	16	22	18				28
6/4/2017	33	23	26		22	20	18	16	19	27	23				36
6/5/2017	23	15	17		16	14	12	11	17	18	16				25
6/6/2017	29	17	19		18	16	14	12	17	22	17	23			23
6/7/2017	60	21	35		21	19	20	13	23	29	19		27		33
6/8/2017	30	21	25		20	18	17	14	21	32	22				40
6/9/2017	25	15	26		29	15	15	17	17	27	25				50
6/10/2017	18	16	17		19	16	14	14	16	15	23				29
6/11/2017	63	28	97		205	105	39	40	65	61	45				63
6/12/2017	20	9	11		14	9	5	5	10	12	10	18			23
6/13/2017	14	12	12		12	10	12	7	10	13	14		19		17
6/14/2017	18	15	15		14	13	12	9	15	17	15				22
6/15/2017	23	17	19		18	22	17	10	23	25	16				29
6/16/2017	18	16	18		26	14	12	10	17	19	16				27
6/17/2017	18	17	20		14	14	13	11	14	22	17				28
6/18/2017	23	16	16		17	16	15	13	18	20	17	45	28		27
6/19/2017	21	19	18		20	15	26	11	18	21	18				32
6/20/2017	29	22	26		24	20	21	16	25	26	25				
6/21/2017	33	24	25		29	22	23	19	28	28	25				33
6/22/2017	27	21	23		22	22	21	16	37	24	22				31
6/23/2017	25	20	24		19	19	20	15	27	23	19				32
6/24/2017	33	24	26		29	20	14	15	36	24	21	35	28		
6/25/2017	39	17	21		16	18	15	12	18	22	16				
6/26/2017	61	19	19		22	19	18	13	34	25	21				
6/27/2017	17		17		15	11	10	7	17	19	11				23
6/28/2017	29	13	15		15	12	10	7	16	19	11				28
6/29/2017	34	23	23		19	19	15	13	20	34	18				27
6/30/2017	38	23	23		22	20	20	14	21	24	23	36	31		28
7/1/2017	60	52	61		60	57	57	44	56	57	62				33
7/2/2017	33	32	33		30	38	47	22	40	33	33				28
7/3/2017	30	28	23		23	21	29	16	23	29	23				23
7/4/2017	45	22	22		17	17	19	14	20	25	20				29
7/5/2017	30	24	27		35	25	19	22	36	31	25				29
7/6/2017	40	28	31		25	25	22	20	25	35	28	45	39		40
7/7/2017	30	22	20		27	21	20	16	21	23	20				36
7/8/2017	33	22	24		20	21	24	16	20	25	23				39
7/9/2017	51	36	41		35	33	31	32	33	44	42				63

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Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest- California Ave	Ridgecrest- Ward	Trona
7/10/2017	36	30	31		28	25	25	22	30	34	30				35
7/11/2017	36	27	28		27	25	28	23	27	34	28				38
7/12/2017	35	26	28		31	23	21	20	25	30	26	31	33		31
7/13/2017	32	26	26		23	20	22	18	25	30	23				32
7/14/2017	30	24	25		21	21	17	16	19	32	22				36
7/15/2017	25	23	24		21	21	26	17	19	26	25				35
7/16/2017	21	19	20		17	18	12	12	15	21	18				29
7/17/2017	24	16	21		17		6	10	14	19	16				28
7/18/2017	23	19	22		19		14	12	19	28	17	33	25		30
7/19/2017	28	22	23		26		22	19	25	27	23				33
7/20/2017	29	22	23		22		15	15	24	33	22				31
7/21/2017	30	24	24		22		17	16	24	30	22				32
7/22/2017	23	19	18		17		15	12	15	21	17				26
7/23/2017	25	20	20		17		15	12	15	20	18				31
7/24/2017	27	23	30		26		22	20	17	27	29	23	30		27
7/25/2017	32	23	23		22	19	18	17	18	24	23				26
7/26/2017	28	21	22		22	20	16	16	16	23	21				30
7/27/2017	22	16	17		16	15	13	11	13	21	16				31
7/28/2017	26	18	17		16	16	14	11	15	21	17				27
7/29/2017	55	16	16		15	15	14	11	13	19	16				21
7/30/2017	20	13	13		11	12	15	6	14	17	13	17	19		21
7/31/2017	52	19	19		30	24	21	14	24	27	23				24
8/1/2017	27	22	23		21	22	17	15	18	29	22				33
8/2/2017	30	21	22		20	16	25	17	14	25	22				34
8/3/2017	21	14	14		17	14	13	9	12	15	13				15
8/4/2017	26	20	23		21	24	27	13	17	43	26				16
8/5/2017	51	38	32		31	31	15	25	21	41		22	42		
8/6/2017	19	26	20		21	21	15	18	18	24					
8/7/2017	21	17	12		14	14	11	10	13	16	13				
8/8/2017	23	18	19		16	16	14	12	14	20	16				22
8/9/2017	27	27	25		18	19	20	14	17	28	20				27
8/10/2017	32	29	29		26	27	23	21	22	29	27				26
8/11/2017	27	34	19		16	18	20	12	15	29	16	26	28		29
8/12/2017	27	52	44		28	33	41	21	32	49	30				31
8/13/2017	34	38	35		25	32	38	22	28	44	28				30
8/14/2017	41	32	38		26	28	34	23	25	40	37				36
8/15/2017	33	26	25		22	22	22	18	16	30	26				28
8/16/2017	31	23	24		24	22	22	20	14	26	25				29
8/17/2017	25	16	20		16	15	13	11	11	24	16	35	33		29
8/18/2017	20	12	13		16	11	12	6	7	17	12				34
8/19/2017	27	18	21		17	16	13	12	11	42	20				43

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Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest- California Ave	Ridgecrest- Ward	Trona
8/20/2017	31	22	24		20	20	19	17	13	26	24				27
8/21/2017	27	19	27		17	20	18	11	13	20	19				26
8/22/2017	20	12	11		10	9	10	6	7	15	12				19
8/23/2017	24	13	15		13	12	13	9	8	18	14	30	31		33
8/24/2017	24	18	23		22	23	18	14		22	25				33
8/25/2017	23	17	16		12	14	13	10		16	14				25
8/26/2017	19	12	12		10	11	12	7	20		12				20
8/27/2017	18	13	12		9	11	13	7	13		12				21
8/28/2017	18	13	16		14	14	12	10	20		15				22
8/29/2017	30	24	24		21	22	26	16	27	33	23	26	38		36
8/30/2017	39	29	33		64	28	23	35	36	29	33				33
8/31/2017	24	38	28		97	92	26	45	153	27	37				26
9/1/2017	12	12	11		11	12	16	7	13	12	12				12
9/2/2017	19	14	13		12	12	10	8	13	14	14				20
9/3/2017	23	19	25		21	18	16	19	18	24	63				38
9/4/2017	14	20	12		14	13	16	9	11	14	14	14	23		26
9/5/2017	14	10	11		11	11	12	6	33	11	11				21
9/6/2017	22	18	19		15	13	9	10	14	21	16				28
9/7/2017	21	16	17		15	14	16	10	13	21	14				28
9/8/2017	23	21	23		17	18	18	11	17	25	16				30
9/9/2017	19	16	19		15	15	13	11	15	16	15				12
9/10/2017	11	7	7		7	8	8	3	6	8	7	8	14		9
9/11/2017	14	13	15		11	9	8	7	19	12	12				23
9/12/2017	8	8	7		8	8	10	4	6	8	8				13
9/13/2017	8	4	4		6	6	6	2	4	5	5				14
9/14/2017	21	14	15		14	13	10	10	11	15	13				29
9/15/2017	13	11	13		13	12	11	9	13	12	13				24
9/16/2017	20	18	19		18	18	17	14	16	21	19	27	23		20
9/17/2017	27	27	22		18	18	19	14	18	27	21				31
9/18/2017	41	33	44		27	30	31	22	30	35	33				49
9/19/2017	31	20	22		20	18	13	16	16	21	22				29
9/20/2017	21	14	12		14	13	11	10	12	17	15				44
9/21/2017	12	23	33		122	79	22	88	50	22	229				41
9/22/2017	11	8	8		10	6	6	4	6	10	8	12	16		17
9/23/2017	9	6	6		10	6	5	4	5	9	6				12
9/24/2017	7	6	6		6	5	6	3	5	8	5				8
9/25/2017	8	8	6		10	11	5	2	14	10	9				9
9/26/2017	11	5	7		10	9	5	6	10	14	7				12
9/27/2017	8	6	7		7	7	6	2	7	7	6				13
9/28/2017	11	8	7		7	6	8	1	5	10	7	16	21		14
9/29/2017	23	20	21		14	15	15	9	14	22	17				26

App A- Daily Average PM10 for Coso Junction PM10 Planning Area and Surrounding Monitoring Stations 2010-2020

Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest-California Ave	Ridgecrest-Ward	Trona
9/30/2017	21	18	21		20	19	15	16	15	19	19				26
10/1/2017	28	20	21		68	39	23	54	31	67	36				34
10/2/2017	36	18	15		26	14	11	13	13	66	14				29
10/3/2017	42	45	83		45	40	48	33	38	67	50				57
10/4/2017	24	19	21		22	18	13	17	13	20	20	36	43		44
10/5/2017	26	22	24		21	20	15	17	16	23	20				38
10/6/2017	12	11	11		11	11	9	9	8	15	9				25
10/7/2017	12	11	12		11	11	13	6	9	14	9				19
10/8/2017	117	39	47		269	106	53	82	105	282	84				62
10/9/2017	28	10	9		27	11	14	8	8	101	10				24
10/10/2017	10	7	4		14	8	10	3	5	12	7	9	21		15
10/11/2017	24	29	39		29	21	17	22	13	54	34				38
10/12/2017	39	33	22		34	33	36	30	25	33	32				66
10/13/2017	27	23	16		24	23	18	20	16	26	26				50
10/14/2017	25	21	12		19	19	18	15	15	20	19				34
10/15/2017	9	9	5		10	8	9	4	6	10	8				12
10/16/2017	16	17	9		15	13	17	8	10	21	10	19	30		21
10/17/2017	22	23	16		22	21	24	16	18	28	18				25
10/18/2017	22	21	17		24	24	24	16	25	23	19				35
10/19/2017	34	23	15		17	21	24	16	19	34	20				44
10/20/2017	110	26			29	23	18	26	19		50				57
10/21/2017	8	8	5		14	7	11	4	7		6				17
10/22/2017	9	8	5		7	9	8	4	6		7	12	22		18
10/23/2017	9	8	6		10	10	5	5	8		9				14
10/24/2017	8	6	4		6	7	5	3	10	8	6				13
10/25/2017	7	8	5			7	5	4	4	9	5				22
10/26/2017	8	7	4		12	9	9	5	8	13	7				24
10/27/2017	8	8	5		13	8	10	3	7	11	8				22
10/28/2017	9	8	4		9	8	10	4	6	11	7	13	26		16
10/29/2017	11	9	5		8	9	11	4	6	11	9				17
10/30/2017	22	18	9		17	16	14	10	15	19	15				32
10/31/2017	21	17	9		18	16	14	12	23	19	18				23
11/1/2017	18	16	9		17	16	11	11	13	23	15			23	21
11/2/2017	24	20	15		21	26	17	14	20	23	20			26	18
11/3/2017	11	11	7		11	11	13	7	9	16	12	9	10	10	15
11/4/2017	8	10	9		13	10	12	7	10	12	10			11	27
11/5/2017	8	6	4		8	7	7	3	5	7	7			8	16
11/6/2017	8	7	6		9	8	7	4	8	9	7			7	11
11/7/2017	9	8	4		9	7	8	3	7	9	6			14	20
11/8/2017	12	22	23		14	10	16	7	10	29	31			12	14
11/9/2017	15	22	31		16	14	11	10	12	25	71	7	12	12	14

App A- Daily Average PM10 for Coso Junction PM10 Planning Area and Surrounding Monitoring Stations 2010-2020

Daily PM10	Sites															
	Date	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest-California Ave	Ridgecrest-Ward	Trona
11/10/2017	13	8	6			11	8	9	5	6	10	8			13	15
11/11/2017	11	10	7			16	9	10	6	7	11	9			25	22
11/12/2017	17	15	9			14	14	11	11	9	18	12			22	27
11/13/2017	17	14	14			20	18	16	12	12	16	14			20	21
11/14/2017	15	12	8			14	11	11	7	9	13	10			14	15
11/15/2017	13	12	7			16	10	10	8	13	16	19	12	22	19	18
11/16/2017	24	14	25			38	27	25	15	10	31	37			11	46
11/17/2017	15	5	4			8	5	4	3	5	6	7			15	32
11/18/2017	9	7	5			10	7	6	5	5	7	8			43	27
11/19/2017	12	9	6			11	10	12	6	6	9	10			22	19
11/20/2017	12	10	8			10	11	13	8	9	10	10			25	26
11/21/2017	9	10	7			11	11	13	10	7	9	12	7		28	23
11/22/2017	7	10	6			9	8	10	3	4	11	6			20	29
11/23/2017	6	5	4			8	6	8	2	5	7	4			21	21
11/24/2017	7	5	5			12	7	10	2	4	8	5			30	23
11/25/2017	16	13	9			11	12	12	7	9	16	9			44	44
11/26/2017	22	26	31			16	18	20	10	11	26	15			29	35
11/27/2017		40	199			326	119	25	89	52	67	184		35	52	81
11/28/2017	5	4	4			7	4	5	1	3	5	4			17	22
11/29/2017	7	7	5			7	7		3	5	6	4			12	23
11/30/2017	10	6	5			8	7		3	12	9	5			12	25
12/1/2017	19	7	6			13	11		5	4	8	6			16	29
12/2/2017	16	10	8			10	7	12	6	4	9	15			12	28
12/3/2017	98	16	16			61	22	21	31	16	59	30	25	24	24	26
12/4/2017	15	6	5			23	7	9	12	9	39	11			25	19
12/5/2017	8	5	4			12	8	6	9	6	14	6			15	33
12/6/2017	6	6	7			11	6	8	7	6	19	6			8	14
12/7/2017	6	6	4			11	6	7	4	5	7	5			10	10
12/8/2017	5	6	5			7	6	9	2	4	8	5			12	21
12/9/2017	5	7	5			7	6	11	2	4	6	4	2	32		31
12/10/2017	6	7	5			6	6	11	1	3	8	4				37
12/11/2017	8	8	7			8	8	12	4	5	9	5				42
12/12/2017	6	9	7			10	8	15	7	4	10	9				29
12/13/2017	6	12	7			10	10	14	4	7	10	6				34
12/14/2017	14	15	14			20	15	18	12	14	22	15				30
12/15/2017	10	7	5			10	10	13	4	6	11	7	13	39		28
12/16/2017	76	19	20			238	62	57	62	41	96	37				26
12/17/2017	13	8	5			63	8	12	11	7	15	9				13
12/18/2017	11	6	6			10	8	14	4	4	9	6				30
12/19/2017	11	7	6			9	10	14	7	4	11	7			18	26
12/20/2017	166	21	30			97	192	54	67	172		90			60	216

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Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest- California Ave	Ridgecrest- Ward	Trona
12/21/2017	23	9	5		146	33	9	39	15		10	7	22	17	20
12/22/2017	11	6	5		21	7	10	1	6		5			19	44
12/23/2017	9	6	5		10	7	16	2	5		6			19	27
12/24/2017	8	7	5		10	8	24	3	6		6			22	19
12/25/2017	8	9	7		9	8	15	4	6		7			20	23
12/26/2017	14	12	12		11	11	15	3	7		8			19	22
12/27/2017	7	11	6		7	10	18	3	8	28	8	5	48	21	29
12/28/2017	7	11	4		12	16	12	4	4	13	6			22	30
12/29/2017	7	8	5		12	8	19	4	4	13	6			29	38
12/30/2017	9	9	6		12	7	16	4	6	11	6			39	35
12/31/2017	8	11	6		9	9	23	5	5	15	7			39	48
1/1/2018	7	10	6		12	9	17	5	6	9	7			22	45
1/2/2018	7	10	8		14	8	18	7	6	11	7	8	53	24	42
1/3/2018	11	8	6		10	8	19	5	5	11	7			16	37
1/4/2018	12	8	6		11	7	13	3	4	9	6			21	33
1/5/2018	10	9	8		9	9	14	4	5	10	7			17	17
1/6/2018	10	10	9		9	7	9	4	3	19	9			18	22
1/7/2018	5	6	3		5	5	9	1	1	7	4			9	10
1/8/2018	5	4	4		6	6	5	2	2	4	4	7	7	7	13
1/9/2018	3	3	2		3	3	4	0	1	3	3			4	7
1/10/2018	5	5	5		5	5	10	1	3	5	4			8	6
1/11/2018	6	5	5		6	5	8	2	4	5	5			9	12
1/12/2018	6	7	6		6	6	9	3	4	6	6			11	18
1/13/2018	5	5	4		5	5	8	1	3	4	5			7	20
1/14/2018	4	5	4		5	5	8	1	2	4	4	3	14	5	16
1/15/2018	4	5	4		5	5	8	1	2	4	4			5	17
1/16/2018	5	6	6		7	6	10	3	3	5	5			7	16
1/17/2018	6	6	5		7	6	11		3	6	6			8	13
1/18/2018	7	12	9		12	9	12	17	6	6	9			7	14
1/19/2018	4	13	14		14	13	17	12	5	9	20			5	24
1/20/2018	7	5	6		28	7	7	9	5	20	6	4	5	5	8
1/21/2018	4	4	4		4	3	7	0	2	4	3			5	9
1/22/2018	4	5	5		6	4	7	1	4	5	4			7	11
1/23/2018	7	6	6		6	6	11	1	1	6	5			6	11
1/24/2018	6	18	34		12	17	19	13	13	9	17				13
1/25/2018	8	15	24		39	10	10	17	7	8	11				55
1/26/2018	5	5	6		7	4	7	1	1	5	5	4	15		10
1/27/2018	5	7	7		8	5	9	3	3	5	5				14
1/28/2018	4	6	5		7	4	6	1	2	5	5				18
1/29/2018	8	11	11		28	8	13	5	6	9	11				19
1/30/2018		13	8		20	10	10	6	7	9	9				20

App A- Daily Average PM10 for Coso Junction PM10 Planning Area and Surrounding Monitoring Stations 2010-2020

Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest- California Ave	Ridgecrest- Ward	Trona
1/31/2018		10	7		14	9	12	5	5	9	7			11	20
2/1/2018		8	7		9	8	13	4	6	7	7	4	26	11	19
2/2/2018	7	7	8		8	7	11	4	4	8	6			10	20
2/3/2018	8	8	7		16	11	13	6	11	8	9			13	22
2/4/2018	11	10	10		15	10	15	8	5	10	10			12	19
2/5/2018	14	15	12		16	14	16	10	10	14	13			17	27
2/6/2018	13	12	11		12	12	13	7	15	12	10			15	22
2/7/2018	8	8	9		13	8	10	4	8	8	7	8	24	13	22
2/8/2018	7	8	7		14	7	12		8	8	7			12	16
2/9/2018	7	8	7		7	7	11	3	8	9	6			15	26
2/10/2018	98	82	141		114	141	137	163	146	212	205			74	94
2/11/2018	275	154	151		196	197	100	148	66	103	126			107	87
2/12/2018	16	20	22		33	17	19	19	13	19	25			25	27
2/13/2018	6	6	6		8	6	8	2	4	7	6	6	13	12	14
2/14/2018	9	8	7		9	7	10	3	5	7	8			12	19
2/15/2018	8	7	7		9	7	11	3	10	10	8			11	16
2/16/2018	8	6	6		9	6	11	2	6	8	6			13	
2/17/2018	11	8	6		11	8	10	3	5	8	8			18	
2/18/2018	29	15	61		53	24	13	40	38	45	175			26	
2/19/2018	6	5	3		14	6	7	5	8	5	8	7	9	7	
2/20/2018	5	4	4		5	4	6	0	4	6	4			7	
2/21/2018	10	9	8		11	7	10	4	6	12	11			14	17
2/22/2018	12	8	10		13	12		5	7	9	11			16	22
2/23/2018	7	6	6		11	6		5	8	10	5			6	6
2/24/2018	5	5	5		6	4		2	2	7	4			8	10
2/25/2018	7	6	5		6	4		2	0	7	4	6	11	11	12
2/26/2018	11	11	73		17	11		13	7	10	41			11	28
2/27/2018	6	7	7		17	6		3	4	12	7			3	3
2/28/2018		4	5		6	5		2	3	5	5			4	7
3/1/2018	7	26	121		24	24	60	25	9	18	153			7	25
3/2/2018	4	11	180		23	28	81	15	14		285			4	25
3/3/2018	5	6	54		11	13	35	5	4		39	1	2	3	13
3/4/2018	3	4	6		4	4	7	0	2		3			3	2
3/5/2018	3	4	5		4	5	9	0	3		3			6	5
3/6/2018	5	5	10		9	6	8	1	3		5			8	12
3/7/2018	6	6	7		7	5	12	2	7	9	3			8	11
3/8/2018	6	7	7		7	6	9	4	4	6	4			11	16
3/9/2018	7	7	6		7	6	11	2	5	8	5	4	11	8	17
3/10/2018	7	7	9		8	8	11	2	4	6	6			5	7
3/11/2018	4	4	4		4	4	8	0	2	4	3			2	2
3/12/2018	4	4	6		4	4	5	0	2		3			2	

App A- Daily Average PM10 for Coso Junction PM10 Planning Area and Surrounding Monitoring Stations 2010-2020

Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest- California Ave	Ridgecrest- Ward	Trona
3/13/2018	5	6	19		5	4	11	1	2		5			2	
3/14/2018	3	5	15		10	7	7	4	5	3	59			2	
3/15/2018	4	5	4		5	4	5	0	4	4	4	1	4	2	
3/16/2018	8	8	42		13	10	11	6	6	6	79			3	
3/17/2018	4	4	5		5	5	5	1	1	4	4			3	8
3/18/2018	3	4	3		5	4	4	0	2	4	3			5	3
3/19/2018	5	4	5		4	4	6	0	2	5	4			5	6
3/20/2018	7	7	8		8	6	8	1	5	7	5			7	9
3/21/2018	4	4	5		6	6	7	2	1	4	4	3		4	6
3/22/2018	3		5		9	4	6	6	0	3	15			2	4
3/23/2018	3		9		5	7	1	5	1		8			2	5
3/24/2018	6	12	12		10	9	10	7	4		15			7	11
3/25/2018	6	5	6		11	6	12	3	3		6			6	7
3/26/2018	10	4	5		28	5	7	6	3	39	5			5	6
3/27/2018	37	13	9		50	11	15	19	14	164	11	6		7	7
3/28/2018	6	7	9			5	6	2	3	8	7			6	12
3/29/2018	7	6	6		11	6	8	2	3	5	5			13	10
3/30/2018	11	8	9		14	9	12	5	5	10	7			10	11
3/31/2018	11	10	10		12	11	11		5	11	9			11	17
4/1/2018	11	10	11		8	9	11		5	11	8			13	15
4/2/2018	14	10	11		15	11	13		7	16	10	12		13	13
4/3/2018	21	19	21		21	20	21	17	11	19	19			21	20
4/4/2018	16	13	15		14	14	17	9	9	14	13			16	16
4/5/2018	15	12	11		12	10	17	7	6	15	10			15	15
4/6/2018	12	11	12		12	9	9	6	5	12	11			17	21
4/7/2018	15	15	27		39	13	12	10	11	13	20			7	34
4/8/2018	12		21		11	11	14	8	8	13	11	8		13	11
4/9/2018	17		15		41	14	16	10	12	15	14			17	19
4/10/2018	19	16	26		15	13	17	9	12	18	17			20	21
4/11/2018	30	44	52		26	55	38	19	195	55	53			22	51
4/12/2018	12	8	8		41	38	10	9	101	17	9			13	22
4/13/2018	12	13	12		15	13	14	11	12	19	11			13	10
4/14/2018	21	19	19		21	19	19	13	13	19	18	18		19	20
4/15/2018	22	24	51		25	24	39	17	18	26	31			23	31
4/16/2018	17	18	202		76	219	223	133	205	30	193			16	38
4/17/2018	6	5	5		7	7	6	1	3	8	5			7	5
4/18/2018	14	11	30		10	7	18	5	3	10	14			14	
4/19/2018	16	13	22		51	51	72	21	26	26	22			13	13
4/20/2018	18	10	10		72	15	15	10	13	49	9	9		13	16
4/21/2018	13	9	10		9	8	13	4	5	12	8			14	13
4/22/2018	15	12	13		12	10	14	6	6	14	11			16	20

App A- Daily Average PM10 for Coso Junction PM10 Planning Area and Surrounding Monitoring Stations 2010-2020

Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest- California Ave	Ridgecrest- Ward	Trona
4/23/2018	17	13	15		12	11	16	7	9	15	12			18	15
4/24/2018	18	15	14		15	13	17	9	12	16	14			18	18
4/25/2018	20	15	19		17	14	17	9	14	19	15			25	21
4/26/2018	22		21		15	17	18	11	20	20	16	23		27	28
4/27/2018	29	28	34		18	19	30	13	18	23	19			36	39
4/28/2018	21	15	18		16	15	15	12	14	14	16			25	24
4/29/2018	22	13	24		62	17	23	13	21	15	13			31	46
4/30/2018	17	14	13		23	13	14	10	10	32	14			21	23
5/1/2018	5		4		6	5	6	1	3	4				6	11
5/2/2018	7		4		5	6	6	2	4	4		10		9	11
5/3/2018	10		7		8	7	11	4	9	5	4			13	15
5/4/2018	12	11	10		9	9	10	5	7	7	6			15	16
5/5/2018	14	9	9		8	9	11	4	9	8	6			13	12
5/6/2018	15	15	24		10	12	20	8	8	13	11			17	19
5/7/2018	28	11	11		10	10	12	6	10	12	8			17	15
5/8/2018	21	12	14		11	11	15	7	11	14	11	26		21	24
5/9/2018		10	16		11	11	12	7	11	13	12			20	
5/10/2018	21	16	16		14	15	18	11	12	16	15			30	26
5/11/2018	78	27	82		728	236	105	120	364	58	91			50	76
5/12/2018	25	19	22		40	19	20	16	13	24	18			24	33
5/13/2018	15	11	10		12	12	9	7	5	12	10			22	
5/14/2018	12	9	8		13	10	7	4	5	9	7	24		28	
5/15/2018	19	14	15		14	14	16	9	12	16	14			28	25
5/16/2018	23	24	30		27	21	23	22	17	24	60			26	25
5/17/2018	17	14	15		14	12	14	10	8	15	13			19	20
5/18/2018	18	14	14		13	12	12	9	8	15	12			27	21
5/19/2018	17	12	11		10	9	13	6	6	13	10			27	25
5/20/2018	19	16	15		15	15	16	11	11	16	15	25		24	25
5/21/2018	14	10	9		24	8	8	7	5	25	8			19	19
5/22/2018	16	9			8	8	8	6	5	12	9			21	19
5/23/2018	25	15	15		13	13	15	8	11	17	13			26	25
5/24/2018	26	20	21		20	21	22	13	15	23	21			27	26
5/25/2018	36	28	49		19	30	26	14	21	30	20			23	24
5/26/2018	14	10	11		16	14	14	9	23	22	10	12		12	14
5/27/2018	9	6	6		6	5	7	4	20	15	5			11	14
5/28/2018	11	10	10		8	9	11	9	8	13	8			12	11
5/29/2018	15	11	11		12	11	13	10	9	14	10			19	21
5/30/2018	26	19	24		20	21	21	13	17	20	19			34	33
5/31/2018	25	16	33		21	20	17	18	13	20	46			37	51
6/1/2018	22	15	17		15	14	14	10	12	16	13	27		27	22
6/2/2018	16	12	13		11	10	12	6	8	12	10			22	17

App A- Daily Average PM10 for Coso Junction PM10 Planning Area and Surrounding Monitoring Stations 2010-2020

Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest- California Ave	Ridgecrest- Ward	Trona
6/3/2018	17	15	17		14	15	17	9	10	15	13			22	
6/4/2018	23	20	23		18	18	25	11	16	21	18			27	
6/5/2018	28	20	21		22	20	21	15	17	22	22			28	29
6/6/2018	25	19	29		16	17	25	11	12	22	17			36	31
6/7/2018	29	23	26		20	22	23	16	16	25	22	34		36	31
6/8/2018	28	23	25		21	22	23	16	20	23	22			35	
6/9/2018	32	21	40		44	31	21	33	17	30	63			49	74
6/10/2018	21	17	18		23	21	18	22	13	18	20			24	29
6/11/2018	27	24	24		21	22	23	17	15	24	23			30	24
6/12/2018	30	22	24		20	21	22	16	17	23	20			30	31
6/13/2018	28	22	26		20		23	14	17	24	21	31		33	35
6/14/2018	26	23	21		17	20	21	14	15	22	19			30	40
6/15/2018	25	18	26		17	16	21	14		20	19			30	34
6/16/2018	28	28	74		20	18	27	18	15	30	36			49	37
6/17/2018	26	27	29		31	24	27	28	16	27	33			29	25
6/18/2018	20	18	17		15	14	16	12	8	17	16			20	18
6/19/2018	19	15	14		13	11	14	8	8	16	13	30		24	22
6/20/2018	18	13	14		13	13	15	7	9	15	13			25	27
6/21/2018	14	8	10		10	9	10	4	6	11	8			25	32
6/22/2018	18	16	15		12	13	14	7	8	15	12			23	19
6/23/2018	22	20	19		17	15	17	13	11	19	17			28	29
6/24/2018	24	18	18		16	14	17	12	11	17	18			26	
6/25/2018	34	28	31		24	23	29	20	17	29	24	34		32	
6/26/2018	31	24	33		23	23	22	17	18	25	20			31	28
6/27/2018	35	27	28		23	23	24	17	16	26	23			37	31
6/28/2018	24	18	22		17	15	15	13	11	16	15			31	30
6/29/2018	24	20	25		20	18	20	13	18	20	17			29	25
6/30/2018	21	15	13		14	13	14	9	11	14	12			27	23
7/1/2018	19	16	16		15	14	15	10	9	14	13	30		27	25
7/2/2018	25	21	22		21	20	24	15	17	22	19			30	27
7/3/2018	31	26	28		25	25	26	19	18	30	26			31	34
7/4/2018	31	25	29		21	22	30	16	17	30	22			23	18
7/5/2018	18	15	16		13	12	15	8	9	16	12			19	14
7/6/2018	21	18	18		17	15	17	10	10	17	15			23	23
7/7/2018	35	26	31		26	25	24	20	17	29	26	38		41	38
7/8/2018	36	29	32		35	29	29	26	24	31	30			41	40
7/9/2018	30	24	23		24	22	23	17	17	24	21			31	30
7/10/2018	61	62	67		56	61	57	49	41	60	61			57	46
7/11/2018	40	33	33		26	27	26	25	19	38	31			41	53
7/12/2018	36	25	26		23	21	23	28	15	25	21			41	32
7/13/2018	15	10	10		8	7	11	4	5	10	7	29		23	22

App A- Daily Average PM10 for Coso Junction PM10 Planning Area and Surrounding Monitoring Stations 2010-2020

Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest- California Ave	Ridgecrest- Ward	Trona
7/14/2018	21	13	12		12	11	11	8	7	14	12			31	32
7/15/2018	27	20	19		18	17	18	15	12	20	19			30	31
7/16/2018	25	22	22		20	19	20	15	15	21	20			28	25
7/17/2018	28				19	19	21	14	14	21				30	26
7/18/2018	31				24	23	24	18	16	30				40	37
7/19/2018	29		25		24	22	22	18	15	26	22	29		32	25
7/20/2018	36	26	31		38	23	24	18	15	30	23			36	29
7/21/2018	20	15	17		16	14	15	10	9	14	14			25	24
7/22/2018	23	15	15		16	15	14	11	9	18	14			25	21
7/23/2018	15	12	12		11	10	12	7	7	11	12			18	21
7/24/2018	18	14	15		13	13	13	9	10	12	13			24	22
7/25/2018	20	18	22		19	18	20	15	13	18	17	38		29	
7/26/2018	19	17	18		19	17	16	13	12	17	16			35	
7/27/2018	23	20	27		19	19	20	14	15	19	19			35	42
7/28/2018	35	39	42		35	39	49	30	37	37	37			47	53
7/29/2018	39	42	46		36	39	48	30	36	41	39			36	32
7/30/2018	35	37	39		25	31	35	23	25	33	29			44	43
7/31/2018	35	30	34		25	28	34	23	22	30	25	52		47	50
8/1/2018	33	28	32		33	29	29	25	22	27	26			50	41
8/2/2018	26	21	21		19	21	23	16	17	22	18			37	33
8/3/2018	32	41	54		42	65	102	42	74	42	50			30	27
8/4/2018	70	90	87		80	102	97	84	84	81	95			53	44
8/5/2018	16	18	21		31	33	29	28	25	16	33			34	45
8/6/2018	55	50	63		40	51	57	37	49	54	55	39		40	28
8/7/2018	39	30	38		30	33	32	26	25	33	33			50	53
8/8/2018	31	23	29		22	26	25	17	18	29	26			36	39
8/9/2018	34	26	29		24	25		20	17	31	25			49	49
8/10/2018	45	36	42		34	35		30	28	39	38			51	42
8/11/2018	45	43	45		42	42	41	37	30	42	42			50	44
8/12/2018	40	38	51		55	48	42	54	28	38	66	36		38	40
8/13/2018	31	26	27		27	25	27	21	17	29	25			29	28
8/14/2018	25	18	23		17	16	18	12	11	20	17			29	27
8/15/2018	27	22	20		17	16	15	11	10	20	19			37	35
8/16/2018		28	33		30	25	22	24	14	29	23			45	52
8/17/2018		30	31		28	27	27	24	16	30	27			36	36
8/18/2018		27	29		27	26	25	21	16	27	25	35		33	33
8/19/2018		18	19		17	17	17	15	10	17	16			25	26
8/20/2018		13	16		12	12	12	6	6	12	13			24	25
8/21/2018		14	15		14	14	15	10	8	14	18			22	32
8/22/2018		13	16		13	13	16	8	9	14	11			24	36
8/23/2018	25	17	19		16	16	18	11	10	22	15			27	37

App A- Daily Average PM10 for Coso Junction PM10 Planning Area and Surrounding Monitoring Stations 2010-2020

Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest- California Ave	Ridgecrest- Ward	Trona
8/24/2018	27	23	26		22	21	22	16	13	26	23	46		34	35
8/25/2018	30	27	30		25	26	23	20	16	29	26			35	37
8/26/2018	28	27	30		24	23	23	20	15	30	24				
8/27/2018	26	17	19		20	18	18	18	12	18	18				
8/28/2018	24	20	27		20	20	23	17	15	23	23				24
8/29/2018	25	22			17	15	18	13	9	22	15			23	26
8/30/2018	15	12			12	12	13	7	9	14	12	26		21	25
8/31/2018	24	15			14	13	19	9	9	18	12			34	35
9/1/2018	17	13			14	14	16	11	11	17	12			33	35
9/2/2018	22	17			17	17	18	13	11	19	16			30	36
9/3/2018	27	22			31	26	25	26	16	24	21			34	31
9/4/2018	38	16			29	25	21	19	13	27	18			33	33
9/5/2018	14	11			11	11	11	7	5	10	8			18	30
9/6/2018	14	11			11	10	11	7	6	11	7			21	19
9/7/2018	18	14			11	11	12	8	7	13	10			25	26
9/8/2018	20	17			16	14	13	12	8	18	14			32	41
9/9/2018	16	12			12	12	12	9	6	11	10			21	25
9/10/2018	19	14			16	14	14	10	9	15	13			24	25
9/11/2018	26	15	21		18	15	19	13	8	19	17			32	34
9/12/2018	14		9		11	10	10	6	5	9	9			33	56
9/13/2018	12	9	24		14	15	18	8	5	11	24			19	29
9/14/2018	14	11	19		8	6	11	3	3	9	7			15	21
9/15/2018	16	12	24		9	8	23	5	4	13	11			19	21
9/16/2018	21	13	17		11	10	14	7	7	14	11			25	30
9/17/2018	16	11	12		15	9	11	6	5	12	10			20	20
9/18/2018	17	13			13	10	12	7	6	13	11			27	31
9/19/2018	21	14			13	11	11	9	5	16	12			35	37
9/20/2018	16	14			14	13	14	9	7	14	13			29	34
9/21/2018	27	23	25		22	21	20	17	15	24	22			32	34
9/22/2018	21	19	22		18	19	16	14	10	20	19			28	26
9/23/2018	14	15	13		15	13	12	10	6	13	12			24	25
9/24/2018	16	13	12		13	11	13	8	5	14	11			16	21
9/25/2018	14	12	14		14	11	14	7	6	14	11			17	23
9/26/2018	14	10	11		13	10	12	6	5	16	10			18	15
9/27/2018	13	10	11		14	9	10	5	4	13	9			16	24
9/28/2018	22	15	20		13	13	15	9	6	21	15			30	30
9/29/2018	23	19	108		19	14	30	12	10	21	23			36	41
9/30/2018	17	13	44		8	8	16	3	4	14	9			17	19
10/1/2018	16	12	20		11	10	13	5	5	13	11			11	16
10/2/2018	10	12	9		10	9		7	4	10	10			16	23
10/3/2018	10	11	10		10	10		7	4	9	9			11	15

App A- Daily Average PM10 for Coso Junction PM10 Planning Area and Surrounding Monitoring Stations 2010-2020

Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest- California Ave	Ridgecrest- Ward	Trona
10/4/2018	7	6	7		7	7	6	3	3	8	6			12	11
10/5/2018	7	6	6		6	5	7	2	2	7	5	11		11	9
10/6/2018	9	7	12		22	8	8	21	5		10			17	12
10/7/2018	13	6	6		53	9	7	13	4		8			9	9
10/8/2018	5	5	5		5	4	5	1	2		4			8	7
10/9/2018	13	9	12		8	9	16	4	4		10			15	18
10/10/2018	24	23	28		24	24	25	20	13		26			23	21
10/11/2018	23	18	19		19	16	17	14	10		18			19	18
10/12/2018	9	9	9		11	7	9	5	8		8			12	13
10/13/2018	7	8	7		9	7	9	4	4		7			13	10
10/14/2018	19	18	22		29	25	17	14	14		18			30	38
10/15/2018	13	7	8		23	7	7	7	7		6			18	12
10/16/2018	6	8	7		12	9	7	3	7		6			6	10
10/17/2018	7	6	8		5	6	10	2	5		5			8	9
10/18/2018	9	7	8		5	7	10	2	5		6			11	9
10/19/2018	8	6	9		8	6	7	2	4		5			9	16
10/20/2018	6	6	6		7	5	7	1	5		5			10	9
10/21/2018	7	7	7		6	6	9	3	7		6			8	9
10/22/2018	10	11	10		8	7	10	3	5		7			13	11
10/23/2018	14	13	15		12	9	13	0	8		11	21		18	12
10/24/2018	15	12	8		11	9	11	3	4		6			18	17
10/25/2018	13	13	10		12	9	13	6	5	14	7			19	19
10/26/2018	11	9	8		13	8	15	5		11	6			16	18
10/27/2018	14	13	13		13	11	16	8	15	14	11			20	16
10/28/2018	19	24	20		20	19	21	14	21	25	16			26	31
10/29/2018	23	18	19		24	20	22	16	32	18	17	35		27	27
10/30/2018	27	18	14		19	18	18	13		33	15			25	22
10/31/2018	7	8	7		6	6	9	2	4	6	5			10	5
11/1/2018	8	7	5		8	6	7	2	6	8	5			12	10
11/2/2018	7	6	5		6	4	9	1	7	6	4			9	11
11/3/2018	7	8	7		7	7	7	2	12	8	6			14	12
11/4/2018	10	8	8		7	6	9	3	6	9	6	20		16	17
11/5/2018	14	15	12		11		12	6	12	12	10			23	19
11/6/2018	13	10	9		10	9	21	5	9	12	8			15	15
11/7/2018	13	10	11		15	13	18	7	19	12	11			26	16
11/8/2018	40	21	19		53	29	23	26	54	75	29			43	29
11/9/2018	10	8	8		10	8	13	3	9	8	7			13	10
11/10/2018	11	9	8		20	9	16	5	12	13	8	18		20	20
11/11/2018	16	15	13		11	14	16	7	20	15	15			16	12
11/12/2018	8	7	7		18	7	12	3	9	11	6			9	12
11/13/2018		7	8		12	8	12	3	11	9	6			11	14

App A- Daily Average PM10 for Coso Junction PM10 Planning Area and Surrounding Monitoring Stations 2010-2020

Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest-California Ave	Ridgecrest-Ward	Trona
11/14/2018		7	6		9	8	10	3	15	8				9	17
11/15/2018	14	7	9		12	6	11	3	8	7	4			13	16
11/16/2018	7	8	10		10	7	21	3	9	9	6	17		13	17
11/17/2018	11	11	10		10	9	16	5	12	13	7			13	17
11/18/2018	10	13	11		12	10	19	7	12	11	9			17	18
11/19/2018	11	13	13		13	11	15	7	12	12	10			12	
11/20/2018	9	10	9		11	9	17	5	11	9	8			12	
11/21/2018	16	20	45		17	18	27	15	18	24	37			19	24
11/22/2018	8	6	7		6	6	8	2	10	11	8	5		5	8
11/23/2018	6	7	6		7	5	11	2	5	11	5			14	8
11/24/2018	8	8	7		9	8	13	3	8	12	6			17	13
11/25/2018	9	12	12		13	14	15	9	14	14	13			12	12
11/26/2018	11	12	11		12	8	11	7	9	9	12			9	11
11/27/2018	7	9	8		8	7	11	3	8	8	5			13	11
11/28/2018	11	8	7		7	7	9	2	10	7	5	6		7	13
11/29/2018	3	4	3		3	3	3	0	3	3	5			7	11
11/30/2018	3	4	3		5	4	5	1	3	4	3			3	4
12/1/2018	4	3	3		5	3	4	1	2	3	3			24	9
12/2/2018	4	3	3		4	3	4	0	3	3	3			5	5
12/3/2018	4	4	3		5	4	6	1	4	4	4				7
12/4/2018	5	4	4		5	4	4	1	8	5	3	2			13
12/5/2018	4	4	2		4	4		1	3	4	6				7
12/6/2018	3	3	2		3	3		0	2	3	2				3
12/7/2018	2	4	4		4	3		0	3	4	3				5
12/8/2018	4	4	4		4	4		1	4	4	3			3	8
12/9/2018	4	4	4		5	4		1	4	4	3			3	11
12/10/2018	5	5	5		6	5		2	5	5	4	4		5	16
12/11/2018	4	4	4		4	4	7	1	4	4	3			4	15
12/12/2018	9	6	8		39	9	7	8	16	10	6			3	12
12/13/2018	6	6	5		6	4	8	2	7	5	5			6	15
12/14/2018	7	9	11		11	11	7	6	12	6	5			6	12
12/15/2018	6	8	8		10	9	10	5	9	8	7			5	15
12/16/2018	6	9	11		8	8	6	4	9	6	5	3		6	14
12/17/2018	5	6	15		7	6	9	3	8	5	11			4	14
12/18/2018	5	5	5		6	5	7	2	6	5	4			4	8
12/19/2018	5	6	5		6	5	10	2	6	7	4			5	10
12/20/2018	5	5	6		6	5	7	2	7	4	5			4	19
12/21/2018	6	7	5		7	5	7	2	7	6	6			6	14
12/22/2018	5	5	5		7	5	6	1	6	4	4	2		5	11
12/23/2018	4	5	4		5	5	7	1	7	4	4			7	7
12/24/2018	4	8			7	5	6	3	6	4	8			4	17

App A- Daily Average PM10 for Coso Junction PM10 Planning Area and Surrounding Monitoring Stations 2010-2020

Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest- California Ave	Ridgecrest- Ward	Trona
12/25/2018	10	7	13		27	4	5	1	5	23	4			5	5
12/26/2018	4	3	4		13	3	6	2	1	8	2			3	10
12/27/2018	21	8	4		19	13	6	12	11	62	10			8	10
12/28/2018	55	6	2		63	19	6	13	14	85	5	4		7	11
12/29/2018	5	4	1		8	5	3	1	4	5	3			15	8
12/30/2018	5	3	2		4	3	4	0	3	3	2			13	22
12/31/2018	22	7	5		47	30	10	20	19	144	9			9	12
1/1/2019	10	6	2		58	10	4	9	7	72	4			4	3
1/2/2019	5	5	3		7	5	8	2	5	5	4			6	11
1/3/2019	4	5	3		6	6	13	1	5	3	5	2		9	15
1/4/2019	8	5	4		5	4	8	1	5	4	4			6	19
1/5/2019	7	7	33		12	12	14	13	12	7	26			9	14
1/6/2019	9	9	104		23	21	7	14	12	7	175			32	9
1/7/2019	5	11	20		44	41	20	12	26	6	99			7	24
1/8/2019	7	6	5		7	5	6	2	6	5	5			8	9
1/9/2019	7	5	20		16	12	7	10	10	5	11	2		6	9
1/10/2019	5	5	4		5	5	6	2	6	5	5			4	10
1/11/2019	5	5	4		5	4	6	1	5	5	4			6	10
1/12/2019	4	4	3		4	4	5	1	5	4	4			4	4
1/13/2019	4	4	4		4	4	6	1	4	4	3			3	18
1/14/2019	3	3	2		3	3	5	0	3	2	3			3	11
1/15/2019	3	2	2		3	3	3	0	3	3	3			4	5
1/16/2019	4	4	4		3	4	4	2	4	4	4	3		3	6
1/17/2019	4		4		4	4	4	1	5	4	4			2	6
1/18/2019	5		4		4	4	7	1	4	7	4			3	4
1/19/2019	4	3	4		5	4	6	1	4	5	4			3	7
1/20/2019	4	5	6		3	3	3	0	3	7	3			2	10
1/21/2019	14	4	7		57		5	16	9	55	5	1		5	11
1/22/2019	9	3	4		43		4	10	8	34	4			7	9
1/23/2019	3	3	3		5	3	5	1	6	4	3			5	6
1/24/2019	4	3	6		5	4	5	1	4	4	5			7	11
1/25/2019	4	3	4		5	4	5	1	4	4	3			3	12
1/26/2019	6	4	5		6	6	7	2	9	6	5			6	15
1/27/2019	5	3	3		5	4	6	1	4	5	4	4		4	12
1/28/2019	5	3	5		5	4	7	1	4	5	7			7	16
1/29/2019	5	4	4		6	5	6	1	7	5	3			6	21
1/30/2019	5	4	4		5	4	6	1	5	4	3			5	15
1/31/2019	7	5	5		7	6	7	2	8	4	5			4	13
2/1/2019	7	7	21		9	8	9	15	8	6	13			6	13
2/2/2019	3	2	2		2	3	2	0	2	2	1	1		5	10
2/3/2019	3	3	5		3	4	4	2	3	3	21			3	10

App A- Daily Average PM10 for Coso Junction PM10 Planning Area and Surrounding Monitoring Stations 2010-2020

Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest-California Ave	Ridgecrest-Ward	Trona
2/4/2019	3	2	61		9	6	4	9	4	2	63			2	12
2/5/2019	4	3	14		10	5	4	5	13	4	22			2	16
2/6/2019	4	3	3		4	4	4	0	4	4	3			2	4
2/7/2019	5	3	3		4	4	5	1	4	4	4			4	5
2/8/2019		4	6		5	3	5	1	7	5	3	2		5	7
2/9/2019	5	12	32		6	6	7	3	9	6	54			4	12
2/10/2019	2	7	73		20	9	11	18	10	11	125			7	24
2/11/2019	3	4	4		3	3	7	1	4	4	4			3	6
2/12/2019	4	4	272		37	45	14	45	40	18	52			5	9
2/13/2019	5	7	101		22	28	17	14	24	7	19			4	11
2/14/2019	3	2	6		3	4	3	1	4	3	7	3		2	6
2/15/2019	2	3	15		3	5	3	2	5	5	19			2	7
2/16/2019	3	2	2		4	2	3	0	2	5	3			1	5
2/17/2019	2	2	2		5	3	3	0	3	4	4			3	6
2/18/2019	9	3	4		59	4	5	7	5	59	5			3	4
2/19/2019	5	3	3		5	3	5	1	4	22	3			4	5
2/20/2019	4	3	4		5	3	7	2	3	8	5	4		5	8
2/21/2019	6	3	4		43	6	4	8	6	25	5			5	5
2/22/2019	11	4	7		33	6	6	8	7	38	5			6	7
2/23/2019	5	4	4		5	4	6	1	4	5	4			4	8
2/24/2019	5	4	4		5	4	6	1	4	5	5			6	8
2/25/2019	9	5	8		9	7	7	8	7	8	26			9	23
2/26/2019	9	19	162		28	104	27	45	34	23	102	7		10	20
2/27/2019	8	27	88		16	14	20	23	27	14	122			6	17
2/28/2019	8	17	37		19	12	7	8	15	25	16			3	13
3/1/2019	8	6	30		10	9	9	5	9	10	21			3	12
3/2/2019	5	3	6		5	5	5	2	5	4	9			1	11
3/3/2019	3	3	3		3	3	4	0	3	3	2			2	6
3/4/2019	5	3	5		4	4	4	1	5	4	5	2		2	4
3/5/2019	6	9	118		10	12	15	5	17	10	26			4	8
3/6/2019	3	3	5		3	3	3	1	4	3	3			3	7
3/7/2019	3	3	13		3	5	4	4	6	9	3			3	10
3/8/2019	3	3	4		5	3	4	0	7	3	3			1	8
3/9/2019	4	3	6		4	4	4	1	4	2	3			2	7
3/10/2019	5	5	6		6	5	5	2	5	4	5	2		3	7
3/11/2019	5	3	4		15	3	3	3	7	20	4			4	9
3/12/2019	16	5	24		40	15	16	18	19	39	14			6	22
3/13/2019	25	5	22		136	22	11	30	27	61	14			14	22
3/14/2019	6	3	9		5	4	5	1	8	6	4			6	6
3/15/2019	2	3	3		5	3	1	1	8	6	3			5	4
3/16/2019	3	4	4		4	4	1	1	15	5	4	3		3	6

App A- Daily Average PM10 for Coso Junction PM10 Planning Area and Surrounding Monitoring Stations 2010-2020

Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest-California Ave	Ridgecrest-Ward	Trona
3/17/2019	5	5	6		6		5	3	21	7	6			5	7
3/18/2019	8	6	8		9		8	5	9	9	9			6	
3/19/2019	11	7	17		12		9	21	11	9	10			11	
3/20/2019	7	5	8		7		6	3	6	7	7			6	
3/21/2019	4	3	3		3		4	0	4	3	3			2	
3/22/2019	5	3	4		4	2	4	1	4	4	3	5		4	
3/23/2019	8	7	14		10	8	8	7	8	8	15			11	
3/24/2019	13	13	14		13	13	13	10	13	14	13			13	
3/25/2019	17	17	63		16	21	23	13	21	17	19			18	
3/26/2019	15	25	96		17	17	25	10	20	15	31			21	28
3/27/2019	12	11	62		13	12	41	15	23	13	35			7	
3/28/2019	8	5	7		10	7	6	3	8	12	8	6		4	
3/29/2019	10	9	9		9	9	11	5	9	11	9			9	12
3/30/2019	8	7	7		7	8	8	4	9	13	7			9	9
3/31/2019	7	6	6		6	6	6	3	7	8	5			6	7
4/1/2019	9	5	10		9	7	8	2	9	8	6			7	12
4/2/2019	12	5	29		21	51	7	28	43	9	42			12	
4/3/2019	9	6	7		7	8	8	3	8	7	6	6		8	
4/4/2019	12	9	18		12	14	10	6	11	9	12			11	
4/5/2019	7	5	7		8	7	7	4	6	7	6			7	8
4/6/2019	6	4	5		7	5	7	1	5	6	4			7	8
4/7/2019	9	7	7		7	7	8	3	7	8	7			10	12
4/8/2019	7	6	24		12	7	7	4	11	10	16			12	14
4/9/2019	24	16	149		299	128	39	80	274	74	387	13		19	84
4/10/2019	26	11	33		128	130	15	30	84	117	9			18	26
4/11/2019	8	5	8		10	9	6	3	11	12	7			8	12
4/12/2019	3	4	4		9	6	3	1	7	20	4			5	4
4/13/2019	7	6	6		6	6	6	2	6	8	5			10	8
4/14/2019	12	10	13		10	9	10	7	10	13	11			14	21
4/15/2019	11	8	35		17	15	10	12	13	11	28	16		15	20
4/16/2019	7	7	13		11	10	8	6	9	8	24			6	32
4/17/2019	5	5	5		6	5	6	1	6	6	4			4	7
4/18/2019	6	5	5		8	6	7	2	6	9	4			4	18
4/19/2019	9	6	8		6	5	7	3	6	9	6			9	
4/20/2019	16	13	15		18	13	11	9	18	19	22			18	
4/21/2019	12	8	23		22	12	9	8	14	35	11	16		11	
4/22/2019	19	8	36		45	14	8	8	13	60	9			9	
4/23/2019	9	6	7		12	7	7	3	10	14	6			8	4
4/24/2019	11	8	10		12	10	9	9	14	11	10			10	14
4/25/2019	12	11	12		13	12	10	9	11	17	11			15	18
4/26/2019	17	11	13		13	11	9	7	12	16	12			15	22

App A- Daily Average PM10 for Coso Junction PM10 Planning Area and Surrounding Monitoring Stations 2010-2020

Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest- California Ave	Ridgecrest- Ward	Trona
4/27/2019	10	9	11		10	9	7	5	10	12	9	19		12	17
4/28/2019	8	6	7		7	7	6	3	7	11	6			10	25
4/29/2019	10	9	11		9	10	10	5	11	11	9			12	
4/30/2019	13	16	16		47	16	10	14	13	23	12			16	22
5/1/2019	18	15	15		17	15	12	12	15	17	15			22	22
5/2/2019	20	15	18		19	19	16	15	18	21	22			23	22
5/3/2019	18	12	17		15	16	16	11	15	17	17	22		21	23
5/4/2019	17	11	17		17	16	15	12	14	17	18			20	24
5/5/2019	20	12	19		16	18	16	12	17	18	17			22	23
5/6/2019	21	12	20		19	20	17	16	20	20	20			19	16
5/7/2019	25	14	24		29	28	17	24	23	24	24			21	20
5/8/2019	17	8	14		13	15	11	9	15	20	13			23	19
5/9/2019	15	8	15		17	13	11	9	14	17	14	21		19	17
5/10/2019	5	4	6		5	5	5	2	5	6	6			5	4
5/11/2019	7	5	7		6	6	5	2	7	6	6			6	4
5/12/2019	10	8	10		8	9	8	4	9	10	8			12	9
5/13/2019	16	11	15		15	15	12	12	14	15	15			22	20
5/14/2019	17	11	18		17	16	14	13	15	17	16			21	22
5/15/2019	19	11	61		22	21	22	19	21	23	29	21		23	33
5/16/2019	16	13	21		11	10	8	7	12	58	35			8	13
5/17/2019	7	4	5		5	4	4	2	6	6	4			5	7
5/18/2019	9	3	92		12	12	13	9	12	14	32			9	14
5/19/2019	28	9	19		11	8	5	10	6	71	29			12	26
5/20/2019	6	6	5		6	4	5	2	5	5	5			3	6
5/21/2019	12	3	6		27	7	5	3	6	13	6	6		29	40
5/22/2019	6	4	6		6	5	5	2	4	10	5			3	4
5/23/2019	4	4	5		4	4	4	2	3	5	5			4	6
5/24/2019	4	3	3		3	3	3	0	2	3	3			6	5
5/25/2019	9	5	10		7	7	7	4	6	7	8			10	11
5/26/2019	13	8	78		17	15	16	9	14	18	34			7	14
5/27/2019	6	3	3		5	4	4	1	5	7	4	3		3	2
5/28/2019	8	4	6		7	5	5	2	11	12	5			6	7
5/29/2019	9	5	7		8	6	7	3	8	9	6			9	7
5/30/2019	14	8	14		12	11	10	7	11	14	11			18	18
5/31/2019	14	8	11		26	12	9	9	13	20	11			17	17
6/1/2019	11	7	9		12	10	8	6	9	10	10			10	8
6/2/2019	10	7	9		10	9	8	5	8	12	8	10		10	9
6/3/2019	13	6	7		8	8	7	3	7	13	7			10	7
6/4/2019	15	7	9		9	9	9	5	11	13	8			13	13
6/5/2019	16	8	11		12	10	11	7	12	15	10			17	15
6/6/2019	28	10	15		14	13	12	8	13	19	13			25	30

App A- Daily Average PM10 for Coso Junction PM10 Planning Area and Surrounding Monitoring Stations 2010-2020

Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest- California Ave	Ridgecrest- Ward	Trona
6/7/2019	17	8	12		15	14	17	9	17	14	11			20	23
6/8/2019	43	11	18		32	29	17	23	33	79	22	20		28	22
6/9/2019	12	5	7		8	8	8	4	9	12	7			10	11
6/10/2019	16	11	11		8	8	13	3	8	18	10			12	13
6/11/2019	18	14	17		16	17	13	10	18	23	18			19	16
6/12/2019	19	14	21		18	20	17	13	21	27	19			20	22
6/13/2019	29	14	21		22	19	14	15	21	29	20			28	24
6/14/2019	30	17	28		32	30	20	26	31	29	28	24		27	24
6/15/2019	19	10	15		15	14	12	11	14	19	14			22	21
6/16/2019	24	10	25		38	38	13	27	22	32	29			23	21
6/17/2019	21	9	15		21	21	12	15	19	25	14			36	19
6/18/2019	15	8	11		10	10	9	5	12	10	10			14	13
6/19/2019	21	10	15		14	12	10	9	15	16	17			19	22
6/20/2019	30	8	12		16	15	9	9	15	16	13	33		34	42
6/21/2019	30	16	27		34	36	21	33	36	35	33			26	23
6/22/2019	21	8	12		15	13	10	9	17	54	12			27	16
6/23/2019	19	9	13		13	12	10	8	14	18	12			17	14
6/24/2019	24	11	18		20	18	15	13	23	21	17			22	21
6/25/2019	29	12	23		20	20	15	15	20	24	21			27	26
6/26/2019	23	10	20		19	17	13	13	17	24	19	23		25	27
6/27/2019	17	8	15		18	14	14	10	13	16	12			18	22
6/28/2019	26	8	22		12	13	11	8	13	17	13			46	24
6/29/2019	22	8	15		12	13	10	8	15	17	12			21	26
6/30/2019	20	8	14		14	13	10	9	13	17	13			18	19
7/1/2019	21	9	15		13	13	12	8	16	18	14			22	22
7/2/2019	28	10	15		17	15	11	11	15	17	14	35		24	22
7/3/2019	29	9	16		17	15	10	12	17	20	15			28	31
7/4/2019	24	11	17		19	17	13	12	18	19	16			25	
7/5/2019	27	12	18		17	16	12	11	18	19	17			27	22
7/6/2019	30	14	21		20	21	16	15	21	22	20			26	24
7/7/2019	28	14	20		18	18	13	13	18	21	18			24	24
7/8/2019	24	15	20		14	16	10	12	15	20	18	23		20	19
7/9/2019	30	14	22		18	19	13	12	20	23	20			29	22
7/10/2019	25	11	18		14	15	12	9	19	29	14			21	19
7/11/2019	23	11	16		15	15	10	10	18	19	16			26	26
7/12/2019	21	9	14		15	13	10	9	15	16	14			23	23
7/13/2019	17	6	10		11	10	8	6	12	12	10			25	24
7/14/2019	20	8	14		10	12	8	5	12	16	9			23	25
7/15/2019	22	10	14		14	13	9	9	16	17	14			19	18
7/16/2019	28	11	20		18	16	10	13	18	20	17			34	27
7/17/2019	28	12	22		21	22	12	15	21	23	20	31		24	23

App A- Daily Average PM10 for Coso Junction PM10 Planning Area and Surrounding Monitoring Stations 2010-2020

Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest- California Ave	Ridgecrest- Ward	Trona
7/18/2019	29	13	24		20	21	13	14	20	23	19	24		27	20
7/19/2019	27	13	22		21	20	14	15	22	27	21	28		25	22
7/20/2019	26	13	20		20	20	12	14	22	28	19	30		27	21
7/21/2019	24	11	18		17	18	12	11	19	17	16	19		22	18
7/22/2019	23	7	13		12	11	9	6	12	17	11	22		22	22
7/23/2019	23	11	17		18	17	12	12	17	16	15	23		22	21
7/24/2019	14	8	12		12	12	8	8	12	12	12	28		20	18
7/25/2019	23	9	16		21	18	11	14	19	16	15	24		32	23
7/26/2019	14	8	10		21	15	8	9	16	11	10	19		26	22
7/27/2019	15	8	10		10	10	8	5	12	11	10	19		19	16
7/28/2019	18	9	11		12	12	8	7	12	14	11	12		13	13
7/29/2019	10	6	9		9	10	7	4	11	10	9	21		17	21
7/30/2019	19	7	12		12	12	9	7	12	13	11	23		20	20
7/31/2019	20	7	10		10	9	8	4	8	10	8	23		24	24
8/1/2019	24	9	15		11	12	9	6	12	16	10	25		21	20
8/2/2019	20	9	14		10	12	9	6	12	15	10	30		22	28
8/3/2019	20	9	14		15	14	9	9	13	15	12	27		21	28
8/4/2019	18	8	14		13	13	10	8	14	14	12	24		19	22
8/5/2019	21	14	19		13	13	10	10	13	16	16	21		21	23
8/6/2019	23	15	17		18	17	13	10	20	16	16	21		25	23
8/7/2019	23	13	15		15	17	10	10	18	17	16	28		28	25
8/8/2019	22	9	13		13	12	8	8	13	14	12	26		38	26
8/9/2019	17	10	15		16	13	10	8	14	15	13	22		20	21
8/10/2019	17	11	13		12	12	8	8	15	15	13	34		26	26
8/11/2019	20	12	16		16	16	9	11	16	18	17	23		21	17
8/12/2019	19	12	14		14	15	9	9	15	16	13	23		19	147
8/13/2019	18	13	13		13	12	8	6	16	16	14	27		29	22
8/14/2019	20	11	14		13	13	8	7	14	14	13	30		26	23
8/15/2019	26	12	16		14	14	8	8	13	14	14	28		23	30
8/16/2019	27	16	20		20	18	10	13	17	20	18	33		26	30
8/17/2019	26	17	23		22	22	12	16	23	22	22	28		31	24
8/18/2019	24	14	20		20	18	10	14	19	20	19	24		21	17
8/19/2019	21	11	16		16	15	9	11	16	17	17	19		18	21
8/20/2019	20	9	14		16	13	7	8	15	14	13	28		22	24
8/21/2019	20	10	17		18	15	8	9	17	16	15	49		31	32
8/22/2019	31	16	24		26	21	12	17	27	25	22	42		40	39
8/23/2019	29	13	18		20	18	11	13	19	21	18	34		26	22
8/24/2019	24	13	19		18	18	10	11	19	21	18	32		28	15
8/25/2019	28	17	20		18	19	13	13	20	24	21	33		27	29
8/26/2019	25	17	20		21	20	11	15	21	23	19	38		30	29
8/27/2019	24	13	16		18	17	10	12	18	18	21	36		33	34

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Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest- California Ave	Ridgecrest- Ward	Trona
8/28/2019	33	18	24		25		13	15	25	27	20	38		42	45
8/29/2019	31	18	25		22		12	17	25	26	23	44		39	38
8/30/2019	26	17	18		21	19	12	16	24	23	21	34		27	32
8/31/2019	22	12	15		16	15	9	10	20	19	16	40		30	26
9/1/2019	21	20	16		16	16	11	12	18	18	17	49		23	27
9/2/2019	156	85	132		113	123	45	101	133	134	122	54		177	125
9/3/2019	20	14	17		17	13	9	14	15	16	20			33	31
9/4/2019	18	11	15		17	15	7	12	22	16	16			29	32
9/5/2019	20	9	13		18	16	8	13	16	18	16			25	26
9/6/2019	15	9	13		14	13	8	10	13	15	15			23	22
9/7/2019	21	10	16		17	14	7	12	15	17	18	53		77	41
9/8/2019	24	14	22		23	24	10	19	25	22	25	49		50	89
9/9/2019	20	12	24		21	20	10	16	22	21	22	31		29	29
9/10/2019	16	12	18		16	14	8	12	16	14	21	31		25	35
9/11/2019	16	10	13		15	13	10	10	15	13	15	24		24	27
9/12/2019	15	8	11		11	10	8	7	11	12	12	13		19	20
9/13/2019	13	7	10		10	9	8	6	11	13	13	20		20	15
9/14/2019	17	8	12		14	13	8	9	13	14	13	25		21	24
9/15/2019	20	8	18		16	16	8	11	17	16	18	65		23	31
9/16/2019	21	10	30		20	33	9	12	23	19	28	26		18	38
9/17/2019	18	10	17		19	19	10	16	19	16	19	30		27	35
9/18/2019	19	7	17		17	15	8	12	18	16	16	33		23	35
9/19/2019	13	6	13		27	16	6	12	18	11	18	42		38	52
9/20/2019	9	3	6		8	6	4	3	10	8	6	22		15	21
9/21/2019	8	4	6		8	6	5	3	11	9	6	12		18	12
9/22/2019	14	4	11		9	8	5	4	9	10	10	12		12	15
9/23/2019	13	7	11		12	11	6	7	14	11	11	23		19	17
9/24/2019	11	5	9		11	11	5	11	15	10	9	25		15	14
9/25/2019	9	4	7		9	7	6	5	10	8	7	18		13	23
9/26/2019	23	10	18		16	13	8	13	16	20	17	41		33	26
9/27/2019	26	13	25		24	24	11	23	25	24	23	56		40	37
9/28/2019	20	9	34		29	24	8	23	21	27	71	57		31	124
9/29/2019	13	6	13		17	13	6	15	12	14	15	26		24	27
9/30/2019	12	7	10		11	10	6	9	11	11	10	28		19	21
10/1/2019	15	8	14		12	11	6	14	12	12	16	22		19	25
10/2/2019	11	5	8		9	9	5	8	9	9	11	13		16	17
10/3/2019	20	6	16		13	12	9	10	12	16	14	20		20	24
10/4/2019	17	8	15		15	14	12	14	16	15	16	27		25	29
10/5/2019	17	7	14		14	14	13	12	15	15	14	21		22	21
10/6/2019	12	6	10		11	10	11	10	10	14	11	11		17	20
10/7/2019	15	5	11		11	9	10	8	10	12	10	13		15	13

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Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest- California Ave	Ridgecrest- Ward	Trona
10/8/2019	16	8	13		15	14	13	11	14	14	13	37		31	32
10/9/2019	65	25	48		144	127	72	97	110	53	85	62		76	55
10/10/2019	35	10	16		26	19	16	23	19	25	18	19		48	51
10/11/2019	7	4	6		8	6		5	10	7	5	5		14	5
10/12/2019	9	4	8		7	7	8	5	7	7	6	8		10	10
10/13/2019	13	6	11		11	10	11	11	12	14	12	15		19	17
10/14/2019	18	9	17		16	16	14	16	17	16	15	22		26	26
10/15/2019	13	8	15		15	13	13	12	15	14	13	19		19	24
10/16/2019	13	7	16		14	12	11	14	13	12	13	14		16	27
10/17/2019	38	8	27		38	25	18	25	30	26	24	98		121	94
10/18/2019	11	3	8		11	8	8	6	9	10	8	23		14	26
10/19/2019	11	5	10		11	11	11	9	12	11	10	24		42	22
10/20/2019	9	4	9		16	10	12	9	12	10	10	16		23	21
10/21/2019	9	4	8		10	9	6	9	12	8	8	10		13	17
10/22/2019	8	3	7		7	5	7	5	10	7	5	8		10	17
10/23/2019	7	4	7		11	12	7	6		8	7	6		10	11
10/24/2019	9	4	7		9	7	7	7	9	9	6	7		12	13
10/25/2019	8	3	7		9	5	10	5	10	8	6	13		15	16
10/26/2019	11	4	9		8	8	10	9	10	9	8	30		30	18
10/27/2019	133	29	77		256	179	90	155	177	88	113	38		128	97
10/28/2019	8	4	7		9	7	8	7	11	8	7	14		11	9
10/29/2019	17	7	15		21	22	20	17	33	13	17	47		20	41
10/30/2019	26	15	25		27	27	30	27	32	20	26	12		21	17
10/31/2019	16	9	14		16	15	14	14	19	12	14	6		10	14
11/1/2019	12	7	14		15	13	13	11	13	11	12	8		14	22
11/2/2019	9	6	9		16	8	12	8	14	8	8	7		12	24
11/3/2019	8	5	8		9	8	11	7	12	11	8	10		16	12
11/4/2019	10	6	10		14	9	13	9	9	10	9	10		13	23
11/5/2019	10	5	9		22	8	11	7	19	8	8	6		13	20
11/6/2019	11	4	9		10	9		6	10	8	8	11		13	18
11/7/2019	10	5	8		8	9	11	7	10	9	8	8		13	36
11/8/2019	7	4	7		11	7	12	6	13	7	6	17		12	23
11/9/2019	6	4	8		10	7	16	6	13	8	6	6		12	24
11/10/2019	8	5	8		10	9	15	7	16	9	8	46		22	23
11/11/2019	9	5	9		12	8	12	12	10	9	10	23		16	22
11/12/2019	9	4	9		8	7	13	8	8	8	6	13		15	20
11/13/2019	11	5	10		19	8	16	7	13	9	8	21		18	21
11/14/2019	16	8	15		13	11	15	10	15	14	10	14		19	21
11/15/2019	11	6	11		12	11	15	10	14	13	11	28		19	16
11/16/2019	9	3	8		9	9	13	8	9	9	9	19		15	19
11/17/2019	8	3	6		8	6	13	5	7	8	6	7		10	20

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Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest-California Ave	Ridgecrest-Ward	Trona
11/18/2019	8	3	6		9	6	14	6	9	8	5	7		17	28
11/19/2019	11	5	16		15	12	17	9	12	17	11	21		18	51
11/20/2019	9	5	7		11	10	12	9	11	8	8	20		15	29
11/21/2019	4	4	4		4	4	6	4	5	5	4	4		5	8
11/22/2019	4	4	5		5	5	9	5	5	5	4	3			12
11/23/2019	5	5	5		5	5	5	4	6	5	5	3			13
11/24/2019	4	4	4		5	5	7	4	5	4	5	1			12
11/25/2019	35	10	35		38	49	56	38	95	27	55	163			26
11/26/2019	8	4	35		7	10	15	10	17	11	11	122		10	14
11/27/2019	7	4	15		10	8	11	23	8	5	7	1		28	34
11/28/2019	3	3	2		3	3	3	3	3	3	2	0		5	4
11/29/2019	3	4	3		5	4	6	3	4	4	4	0		4	7
11/30/2019	4	4	4		5	4	6	4	5	4	4	1		2	5
12/1/2019	4	3	4		4	4	6	4	4	4	4	2		2	7
12/2/2019	5	5	6		6	5	6	5	6	6	6	3		4	10
12/3/2019	5		6		8	7	9	7	7	7	6	2		6	18
12/4/2019	5		4		5	4	6	4	5	4	4	3		4	22
12/5/2019	4		5		5	4	6	4	5	5	4	3		4	10
12/6/2019	4	4	4		5	4	5	4	4	4	4	2			11
12/7/2019	4	2	3		4	3	5	3	3	3	2	3			10
12/8/2019	2	2	3		3	2	2	2	3	3	2	2			7
12/9/2019	3	3	6		4	3	5	0	4	3	1	1			8
12/10/2019	5	3	4		6	4	9	3	6	4	3	1		2	6
12/11/2019	5	4	4		6	4	7	4	6	5	4	0		1	10
12/12/2019		4	4		4	4	8	4	5	4	4	1		3	15
12/13/2019		2	3		4	3	7	4	4	3	3	3		3	17
12/14/2019		1	3		2	2	3	2	4	3	2	4		1	11
12/15/2019		3	4		10	4	6	7	6	4	5	1		2	7
12/16/2019		3	3		3	3	6	3	5	4	3	0		2	10
12/17/2019		2	2		3	2	4	2	3	3	2	0		5	7
12/18/2019		2	4		5	4	6	5	4	4	4	2		7	10
12/19/2019		5	6		6	6	10	6	7	6	6	0		3	15
12/20/2019		5	5		6	6	10	5	6	6	5	0		4	26
12/21/2019		3	12		12	11	7	13	5	5	13	0		6	19
12/22/2019		3	8		25	10	11	90	7	6	9	2		5	24
12/23/2019		3	4		3	4	5	4	4	4	4	2		3	7
12/24/2019		3	3		3	3	5	3	3	3	3	1		2	6
12/25/2019		3	4		3	4	4	4	4	4	4	0		2	3
12/26/2019		2	2		3	2	2	2	2	3	2	-1		3	2
12/27/2019		3	4		14	4	4	4	4	3	4	0		0	5
12/28/2019		3	4		6	4	6	4	4	4	4	1		2	9

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Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest- California Ave	Ridgecrest- Ward	Trona
12/29/2019		3	4		4	3	6	3	4	4	3	0		3	10
12/30/2019		3	4		5	4	4	5	6	4	4	2		4	9
12/31/2019		3	5		5	4	9	5	9	4	4	0		3	5
1/1/2020		3	3		4	4	9	3	4	3	4	5		3	6
1/2/2020		4	5		7	7	8	6	8	5	6	3		3	9
1/3/2020		3	4		4	3	12	4	4	4	3	1		3	13
1/4/2020		4	4		5	4	8	4	4	4	4	1		4	7
1/5/2020		4	6		8	6	7	7	7	5	6	3		3	
1/6/2020		5	5		4	4	7	6	4	4	4	2		3	14
1/7/2020		3	3		3	3	8	3	5	2	2	0		3	21
1/8/2020		4	10		9	6	9	10	9	16	6	1		2	11
1/9/2020		4	5		12	7	7	10	22	5	7	2		4	6
1/10/2020	5	3	3		6	5	11	5	8	4	4	1		5	15
1/11/2020	8	3	4		7	7	8	16	7	6	7	5		7	
1/12/2020	6	4	5		6	5	8	5	6	6	5	5		7	8
1/13/2020	8	5	6		7	6	9	7	7	6	7	3		7	12
1/14/2020	9	5	8		13	7	17	39	10	8	9	3		4	11
1/15/2020	11	4	7		10	8	8	7	8	8	7	3		6	16
1/16/2020	10	7	43		55	58	31	158	42	10	19	3		11	71
1/17/2020	7	4	5		6	3	7	4	4	5	5	1		4	17
1/18/2020	5	4	4		10	4	6	5	6	5	5	0		4	12
1/19/2020	4	4	5		6	4	8	4	5	5	5	0		4	21
1/20/2020	5	3	6		7	5	5	8	5	5	5	3		6	24
1/21/2020	6	3	5		7	4	7	5	5	5	4	3		3	10
1/22/2020	6	4	5		6	5	8	5	6	5	5	2		5	10
1/23/2020	5	3	4		11	5	9	5	4	6	4	2		5	20
1/24/2020	5	3	4		5	4	8	4	5	5	4	2		4	19
1/25/2020	5	4	5		10	5	9	5	4	5	5	2		6	16
1/26/2020	5	3	5		10	5	5	9	8	5	5	3		2	19
1/27/2020	5	4	5		6	4	8	4	5	5	4	4		4	12
1/28/2020	6	3	5		6	5	6	5	6	5	4	3		5	12
1/29/2020	23	7	87		60	23	16	154	29	65	73	10		24	25
1/30/2020	6	4	5		9	5	7	5	10		5	4		6	22
1/31/2020	5	4	4		8	4	10	4	5		5	1		7	28
2/1/2020	4	3	4		8	3	9	4	5	4	4	2		4	13
2/2/2020	108	39	562		253	212	45	361	144	86	537	11		26	108
2/3/2020	78	12	127		128	42	26	146	47	47	158	2		33	51
2/4/2020	12	6	9		17	8	9	13	10	12	22	4		7	10
2/5/2020	8	6	7		22	9	9	11	12	6	8	4		10	13
2/6/2020	5	3	3		5	3	4	3	10	4	4	2		13	21
2/7/2020	4	3	3		7	5	10	3	10	4	4	2		7	18

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Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest- California Ave	Ridgecrest- Ward	Trona
2/8/2020	5	3	4		7	9	17	5	12	3	7	9		7	18
2/9/2020	47	12	77		70	53	40	80	46	37	59	16		33	24
2/10/2020	35	7	58		88	28	24	95	40	67	74	11		22	8
2/11/2020	24	7	27		20	17	16	15	19	24	54	8		11	9
2/12/2020	9	4	5		7	6	8	5	12	5	5	4		7	16
2/13/2020	8	4	5		8	5	9	6	8	6	6	4		7	17
2/14/2020	11	5	8		10	7	10	8	9	8	9	8		10	20
2/15/2020	11	6	9		11	8	11	10	9	9	9	15		17	26
2/16/2020		7	11		13	9	16	11	10	11	11	14		20	22
2/17/2020		7	11		14	11	12	10	12	10	11	7		12	19
2/18/2020		9	17		21	15	22	15	17	15	16	9		12	28
2/19/2020		12	18		18	16	18	17	17	16	16	10		15	26
2/20/2020		8	12		13	13	14	14	13	12	13	9		14	17
2/21/2020	9	6	9		13	10	13	11	11	12	10	6		9	16
2/22/2020	4	4	7		7	6	7	9	6	6	7	5		4	10
2/23/2020	5	5	6		7	7	8	6	6	6	7	6		3	7
2/24/2020	3	3	4		4	4	5	4	5	4	5	9		4	10
2/25/2020	7	5	7		7	7	9	6	9	7	7	7		6	9
2/26/2020	7	4	6		7	7	8	6	6	6	7	6		6	11
2/27/2020	8	5	6		8	7	8	7	10	7	7	6		6	19
2/28/2020	6	4	6		7	6	9	6	5	6	6	8		6	15
2/29/2020	6	4	9		6	5	7	6	8	6	8	11		9	20
3/1/2020	12	8	13		13	8	9	20	8	9	13	14		11	33
3/2/2020	24	6	10		115	9	9	42	26	21	12	10		12	7
3/3/2020	8	4	6		7	6	6	5	16	8	11	9		9	7
3/4/2020	6	8	9		6	6	8	8	10	4	7	6		4	10
3/5/2020	9	5	9		6	6	8	6	11	5	7	6		8	11
3/6/2020	9	6	12		8	8	11	9	10	8	11	9		7	16
3/7/2020	11	10	39		15	12	23	15	13	13	16	9		11	21
3/8/2020	8	4	7		7	7	9	6	7	6	7	5		3	7
3/9/2020	7	4	5		6	6	7	6	6	6	6	5		5	5
3/10/2020	6	4	6		6	6	7	6	9	6	6	3		2	6
3/11/2020	3	3	3		3	3	4	3	3	3	3	3		0	2
3/12/2020	3	2	3		4	1	2	3	2	3	3	2		0	9
3/13/2020	5	5	6		6	6	5	6	6	5	7	7		1	2
3/14/2020	5	7	45		12	12	18	17	12	6	18	6		1	12
3/15/2020	5	8	37		9	12	12	8	6	5	11	3		1	11
3/16/2020	5	3	6		5	6	6	4	5	4	5	1		2	7
3/17/2020	2	2	2		3	2	3	2	2	2	2	0		0	3
3/18/2020	3	3	2		3	2	6	3	2	3	3	2		1	
3/19/2020	9	4	5		5	4	5	8	9	5	4	4		3	

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Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest- California Ave	Ridgecrest- Ward	Trona
3/20/2020	3	3	4		4	3	6	3	3	4	4	1		2	
3/21/2020	4	4	4		5	4	5	4	4	4	4	2		1	
3/22/2020	4	3	4		4	4	5	4	4	4	4	3		2	
3/23/2020	3	3	3		4	3	4	4	3	3	3	0		0	
3/24/2020	4	5	6		4	3	4	6	2	5	6	2		1	11
3/25/2020	5	5	16		13	17	13	41	24	5	26	2		2	15
3/26/2020		4	5		5	5	5	5	7	4	4	1		0	5
3/27/2020	5	4	5		6	5	6	5	5	5	4	5		2	7
3/28/2020	6	5	6		6	6	7	6	7	6	6	6		5	10
3/29/2020	5	5	6		7	6	7	7	6	6	6	5		3	7
3/30/2020	5	4	5		6	5	6	5	6	5	5	3		3	5
3/31/2020	7	4	6		6	6	7	5	11	6	5	7		5	10
4/1/2020	6	5	6		6	5	6	6	9	6	6	11		15	37
4/2/2020	15	9	17		22	20	19	23	19	15	21	10		11	21
4/3/2020	14	9	13		18	16	15	18	13	12	14	11		11	16
4/4/2020	10	6	12		16	11	11	14	11	9	10	12		9	17
4/5/2020	7	10	42		14	15	27	17	15	7	19	5		9	21
4/6/2020	3	3	7		8	4	6	10	5	4	5	0		0	7
4/7/2020	4	4	5		5	5	5	6	6	4	5	1		2	5
4/8/2020	2	3	3		4	3	2	3	3	2	3	0		-1	3
4/9/2020	2	2	3		3	3	3	2	3	2	2	0		0	3
4/10/2020	3	2	3		3	2	2	3	3	3	3	0		0	3
4/11/2020	4	4	4		5	5	4	4	5	4	4	5		1	8
4/12/2020	7	6	7		7	6	7	8	6	7	7	10		5	17
4/13/2020	9	10	14		12	9	9	13	9	9	16	8		6	9
4/14/2020	9	7	7		7	6	7	7	8	8		7		7	7
4/15/2020	9	7	8		7	8	9	7	7	8		13		17	13
4/16/2020	11	10	11		10	9	12	10	10	11	11	12		19	17
4/17/2020	7	6	7		6	6	7	6	8	8	7	7		14	40
4/18/2020	4	4	4		4	4	5	4	4	5	5	1		3	10
4/19/2020	7	6	6		6	6	6	6	5	6	7	10		11	13
4/20/2020	7	7	7		8	7	9	8	7	7	8	11		10	14
4/21/2020	8	7	7		11	7	8	9	18	9	7	8		6	8
4/22/2020	9	9	9		9	8	11	9	9	9	9	54		8	12
4/23/2020	11	10	10		11	10	10	10	10	11	10	24		15	16
4/24/2020	13	11	11		11	11	12	11	10	11	11	24		16	17
4/25/2020	11	9	11		10	10	11	10	10	11	10	19		15	18
4/26/2020	12	8	9		9	8	10	8	9	9	8	24		14	20
4/27/2020	13	12	12		13	12	13	13	11	12	12	19		13	17
4/28/2020	12	16	12		13	12	12	11	10	13	11	19		12	16
4/29/2020	15	16	16		13	11	18	12	13	15	13	24		20	24

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Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest-California Ave	Ridgecrest-Ward	Trona
4/30/2020	17	11	12		12	9	10	10	12	12	11	51		27	33
5/1/2020	11	11	10		12	10	11	11	14	11	11	23		13	20
5/2/2020	17	15	15		13	12	14	13	16	15	14	30		20	23
5/3/2020	20	14	182		18	11	12	13	13	22	12			25	33
5/4/2020	13	16	10		6	8	10	11	9	11	10			15	13
5/5/2020	15	14	15		9	11	14	10	12	13	12	21		14	18
5/6/2020	18	15	19		17	15	15	16	20	21	15	29		19	23
5/7/2020	15	15	15		13	12	14	13	15	16	13	21		17	20
5/8/2020	22	17	17		14	15	18	16	15	19	17	26		20	24
5/9/2020	18	15	17		15	14	17	15	14	16	15	27		32	34
5/10/2020	22	14	18		13	13	14	14	12	17	14	26		23	33
5/11/2020	18	13	16		20	14	13	14	12	14	17	27		27	47
5/12/2020	28	15	27		39	20	23	18	16	17	25	25		37	39
5/13/2020	15	13			13	12	12	13	13	14	13	28		19	20
5/14/2020	16	11			10	10	9	11	13	14	12	23		19	18
5/15/2020	14	9	9		10	9	11	9	10	10	10	18		13	22
5/16/2020	16	12	16		13	12	19	12	12	14	13	29		18	22
5/17/2020	17	22	55		32	47	48	23	26	25	42	21		19	29
5/18/2020	9	8	48		11	12	23	10	7	11	29	6		8	20
5/19/2020	7	6	8		7	6	7	7	8	7	8	6		12	12
5/20/2020	13	8	6		6	6	7	6	9	8	9	10		8	10
5/21/2020	13	10	10		11	8	11	9	9	11	9	15		13	19
5/22/2020	23	16	64		54	21	20	24	22	21	17	19		28	52
5/23/2020	17	18	10		17	9	11	10	16	30	11	14		18	16
5/24/2020	13	11	9		9	8	12	8	10	11	8	127		16	16
5/25/2020	15	10	10		9	8	11	8	12	11	8	23		13	15
5/26/2020	21	15	16		13	14	14	13	14	16	14	25		23	20
5/27/2020	23	17	17		16	16	16	16	15	16	16	31		24	24
5/28/2020	26	15	14		14	14	15	14	11	13	13	27		23	25
5/29/2020	27	19	20		19	19	22	19	16	20	20	27		27	33
5/30/2020	17	13	31		23	13	32	12	12	16	13	23		16	21
5/31/2020	17	12	13		11	11	14	11	10	13	11	18		15	19
6/1/2020	21	13	13		11	10	15	13	10	14	13	16		14	14
6/2/2020	21	19	18		13	12	16	13	14	16	14	20		20	25
6/3/2020	20	15	16		15	15	18	16	15	18	14	27		21	18
6/4/2020	20	16	16		16	14	16	17	16	17	15	30		22	28
6/5/2020	39	22	23		21	22	21	19	15	25	20	59		50	35
6/6/2020	20	12	12		20	14	14	17	15	14	15	39		47	43
6/7/2020	21	14	48		76	26	26	29	30	11	21	30		56	66
6/8/2020	19	8	47		10	5	8	6	6	8	6	13		20	17
6/9/2020	13	9	8		7	7	9	7	7	10	7	16		13	16

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Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest- California Ave	Ridgecrest- Ward	Trona
6/10/2020	14	10	13		9	8	12	8	8	12	10	18		15	15
6/11/2020	26	20	23		20	19	23	19	17	22	19	24		22	27
6/12/2020	38	27	47		31	24	26	28	20	34	45	61		45	53
6/13/2020	25	17	18		19	17	16	23	15	17	25	31		20	29
6/14/2020	16	11	11		10	11	11	12	9	12	11	18		17	21
6/15/2020	23	15	19		22	16			14	19	16	28		24	28
6/16/2020	18	12	12		15	11	12	15	10	12	13	32		25	30
6/17/2020	49	27	32		40	36	28	40	33	31	33	24		43	38
6/18/2020	19	13	13		13	9	21	10	10	15	10	28		20	30
6/19/2020	22	16	16		17	12	16	15	13	31	15	32		25	30
6/20/2020	26	21	22		20	19	19	23	16	24	21	33		30	32
6/21/2020	27	23	24		22	21	21	22	18	24	23	30		26	30
6/22/2020	30	22	22		21	20	20	19	17	24	20	28		29	30
6/23/2020	32	22	23		20	19	20	20	19	26	26	31		30	31
6/24/2020	31	26	21		23	20	21		16	24		36		33	38
6/25/2020		24	28		24	23	20		21	27		50		48	38
6/26/2020	18	18	19		19	19	20	20	19	21	19	28		17	28
6/27/2020	33	21	22		22	20	19	21	18	54	23	37		29	36
6/28/2020	22	16	30		43	40	42	46	35	41	45	45		59	131
6/29/2020	60	47	56		50	42	35	52	35	57	52	29		43	43
6/30/2020	25	20	20		18	18	19	18	16	20	19	32		34	32
7/1/2020	35	30	34		25	26	24	28	22	28	28	31		33	38
7/2/2020		23	29		22	23	30	23	20	24	23	25		26	24
7/3/2020	27	20	23		19	19	21	19	17	22	21	31		25	25
7/4/2020	23	17	16		15	15	22	15	14	18	16	32		31	26
7/5/2020	21	15	15		14	13	14	13	12	18	14	32		25	25
7/6/2020	30	18	19		14	16	18	16	14	23	19	34		33	30
7/7/2020	24	15	14		14	15	14	15	14	17	15	31		22	29
7/8/2020	31	22	23		20	23	27	21	21	25	23	37		29	31
7/9/2020	33	19	20		18	18	18	19	15	21	20	29		28	31
7/10/2020	25	18	19		17	18	18	17	17	19	19	29		24	29
7/11/2020	25	17	17		15	15	21	15	14	19	16	28		27	30
7/12/2020	22	16	15		15	14	16	14	12	17	15	24		23	27
7/13/2020	26	13	13		12	12	13	12	13	14	13	30		21	42
7/14/2020	25	21	22		20	21	20	22	18	22	22	30		29	32
7/15/2020	31	22	22		21	20	19	20	16	23	22	34		30	25
7/16/2020	32	22	22		17	18	17	17	15	23	20	36		36	31
7/17/2020	28	18	21		15	15	19	15	13	21	19	34		32	28
7/18/2020	26	19	19		17	16	18	17	14	22	18	27		30	31
7/19/2020	21	15	14		14	14	16	14	13	17	15	33		25	29
7/20/2020	21	16	19		29	19	25	25	15	18	18	34		28	28

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Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest- California Ave	Ridgecrest- Ward	Trona
7/21/2020	24	19	18		16	16	17	16	15	20	17	33		29	34
7/22/2020	29	24	28		20	24	29	19	20	25	20	30		27	31
7/23/2020	24	17	18		16	15	18	16	13	17	19	25		19	25
7/24/2020	21	17	13		13	13	17	13	11	17	14	29		23	27
7/25/2020	26	18	18		17	16	16	16	14	20	18	30		29	30
7/26/2020	22	16	18		15	14	15	15	13	17	17	23		23	22
7/27/2020	23	16	17		15	15	16	15	18	17	17	26		24	24
7/28/2020	26	18	19		17	15	16	16	15	20	18	28		23	30
7/29/2020	27	20	21		17	19	20	16	18	22	19	28		26	29
7/30/2020	24	17	17		16	15	22	14	15	19	16	24		24	38
7/31/2020	18	11	11		10	9	15	9	12	13	10	29		26	39
8/1/2020	23	16	16		16	15	19	15	13	18	18	39		31	35
8/2/2020	26	18	19		17	16	18	17	17	21	19	48		30	29
8/3/2020	21	19	19		18	18	16	17	15	17	20	24		24	28
8/4/2020	29	18	20		19	17	19	18	15	19	19	27		32	40
8/5/2020	31	27	28		27	27	24	31	21	27	31	26		32	46
8/6/2020	30	23	24		27	30	27	28	24	24	28	36		36	34
8/7/2020	33	25	25		24	24	24	23	21	28	27	38		38	34
8/8/2020	27	20	20		17	19	21	18	15	21	19	35		32	25
8/9/2020	17	11	11		9	9	12	9	8	14	12	28		28	30
8/10/2020	21	15	15		15	14	15	14	13	16	16	26		28	39
8/11/2020	30	21	21		19	20	22	19	26	23	22	29		33	31
8/12/2020	25	17	16		15	13	17	14	12		15	21		22	26
8/13/2020	17	11	12		12	13	16	11	15		13	27		20	26
8/14/2020	24	12	14		18	10	17	11	11	20	14	30		34	35
8/15/2020	20	14	15		20	15	14	17	13	19	16	41		32	41
8/16/2020	19	14	14		16	15	17	15	14	17	14	32		26	33
8/17/2020	35	35	36		43	47	37	38	38	35	37	35		40	37
8/18/2020	31	27	28		29	28	24	29	23	31	29	46		37	62
8/19/2020	28	24	28		21	20	28	20	19	45	21	61		35	40
8/20/2020	42	32	33		29	30	40	31	32	38	34	84		64	60
8/21/2020	44	39	45		37	46	50	40	48	52	48	80		63	75
8/22/2020	66	54	51		41	42	45	42	41	59	44	102		71	70
8/23/2020	77	71	71		65	66	57	67	57	76	66	119		92	70
8/24/2020	50	44	48		34	35	39	35	33	43	35	70		51	47
8/25/2020	33	38	29		26	42	47	21	49	33	22	54		42	
8/26/2020	39	65	56		46	45	50	44	42	65	47	64		39	43
8/27/2020	45	70	59		53	51	58	48	54	86	50	49		35	42
8/28/2020	25	22	19		19	22	42	20	31	28	24			24	30
8/29/2020	25	51	27		16	16	29	16	19	60	17			30	22
8/30/2020	46	66	48		36	43	48	38	40	81	49			29	24

App A- Daily Average PM10 for Coso Junction PM10 Planning Area and Surrounding Monitoring Stations 2010-2020

Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest- California Ave	Ridgecrest- Ward	Trona
8/31/2020	56	72	63		46	45	46	45	39	86	56			39	44
9/1/2020	46	46	42		36	35	35	43	38	38	40	54		48	42
9/2/2020	48	55	29		21	21	22	21	16	59	22	75		49	45
9/3/2020	46	43	28		34	32	21	30	16	42	26	89		58	52
9/4/2020	22	18	15		18	15	16	14	19	16	16	66		45	47
9/5/2020	37	41	46		37	38	30	35	35	57	45	41		38	36
9/6/2020	124	119	137		127	126	124	131	132	120	137	58		77	43
9/7/2020	189	62	74		86	58	68	84	55	243	66	95		133	96
9/8/2020	553	357	526		529	520	439	501	374	282	500	169		401	347
9/9/2020	27	28	19		19	20	23	25	16	27	26	48		26	21
9/10/2020	18	18	17		15	16	15	17	10	20	18	23		24	21
9/11/2020	20	20	25		18	17	24	17	20	21	20	34		30	29
9/12/2020	16	14	17		13	12	18	12	11	15	14	16		21	19
9/13/2020	16	13	14		12	11	13	12	9	20	13	16		19	22
9/14/2020	33	28	29		31	24	27	26	20	29	26	32		45	37
9/15/2020	52	49	59		45	41	69	45	54	52	51	64		83	70
9/16/2020	61	70	69		57	51	72	57	57	74	67	77		78	80
9/17/2020	72	87	95		74	74	97	80	83	102	87	79		82	63
9/18/2020	86	125	142		113	91	95	115	76	130	142	63		58	74
9/19/2020	36	34	33		37	34	37	32	33	30	31			39	43
9/20/2020	34	30	34		29	31	31	30	27	36	32			46	34
9/21/2020	35	41	50		36	35	46	32	36	54	35			33	46
9/22/2020	108	109	93		49	61	71	47	65	126	67	54		42	40
9/23/2020	125	134	130		97	94	114	98	99	138	116	115		87	68
9/24/2020	139	131	122		113	123	118	112	111	134	115	83		99	88
9/25/2020	114	114	110		112	119	117	111	113	111	106	82		93	76
9/26/2020	72	70	73		69	71	74	71	66	71	71	76		77	73
9/27/2020	28	18	17		23	20	19	19	17	19	17	36		44	49
9/28/2020	10	13	7		9	9	13	11	8	10	12	14		21	23
9/29/2020	14	10	9		11	9	15	8	5	19	11	21		19	23
9/30/2020	33	30	30		31		33	27	28	40	29	70		36	27
10/1/2020	20	19	20		19	15	17	17	13	26	18	57		27	31
10/2/2020	10	8	9		9	8	14	8	6	13	9	47		29	20
10/3/2020	15	18	14		12	10	16	10	9	22	13	67		29	22
10/4/2020	33	43	37		28	26	37	29	28	42	33	73		43	29
10/5/2020	67	69	70		61	61	80	59	63	70	69	77		63	69
10/6/2020	44	44	48		44	43	47	44	39	48	46	47		51	55
10/7/2020	25	30	27		23	23	28	21	19	29	25	43		36	39
10/8/2020	33	29	26		20	20	26	20	19	30	24	74		59	55
10/9/2020	42	35	36		29	28	29	28	22	39	32	76		73	69
10/10/2020	54	58	62		54	49	52	50	42	62	51	72		60	62

App A- Daily Average PM10 for Coso Junction PM10 Planning Area and Surrounding Monitoring Stations 2010-2020

Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest- California Ave	Ridgecrest- Ward	Trona
10/11/2020	39	39	41		37	37	33	37	31	38	38	40		41	45
10/12/2020	24	15	18		28	15	14	17	10	20	17	27		38	33
10/13/2020	23	19	21		19	18	22	17	17	20	19	27		27	27
10/14/2020	34	35	36		35	34	40	32	33	34	32	30		31	34
10/15/2020	18	19	21		22	21	18	18	14	20	17	24		27	31
10/16/2020	17	15	17		31	15	19	15		18	15	20		36	25
10/17/2020	16	15	17		22	19	24	15		19	15	29		26	22
10/18/2020	43	49	53		52	47	66	48		50	49	39		42	35
10/19/2020	57	76	78		88	74	99	64		72	71	43		41	47
10/20/2020	52	62	60		67	70	51	64		60	60	38		46	39
10/21/2020	29	34	32		30	33	45	31	35		34	39		34	29
10/22/2020	45	56	53		58	60	73	51	64		49	51		48	54
10/23/2020	47	46	50		47	46	45	47	41	48	49	50		54	49
10/24/2020	39	37	43		36	37	36	35	35	42	36	53		55	40
10/25/2020	153	99	108		237	164	145	131	149	131	122	99		139	125
10/26/2020	70	40	35		156	121	55	49	72	48	46			76	42
10/27/2020	19	16	19		58	26	23	30	22	16	20	31		16	13
10/28/2020	12	8	7		7	7	9	4	6	9	5	21		18	22
10/29/2020	9	12	8		13	5	9	4	5	7	4	18		20	25
10/30/2020	7	8	7		6	7	10	7	7	9	5	14		13	18
10/31/2020	9	8	8		11	6	13	6	8	8	6	12		18	20
11/1/2020	9	8	9		10	7	12	7	9	9	9	9		20	25
11/2/2020	13	12	12		8	8	12	8	8	10	9			19	23
11/3/2020	15	15	16		13	13	17	13	14	15	14			23	28
11/4/2020	17	18	19		19	18	21	16	18	19	15			22	30
11/5/2020	13	13	18		14	13	17	11	11	13	10			26	42
11/6/2020	31	24	77		28	25	48	20	20	40	34	60		61	114
11/7/2020	16	13	19		14	12	12	11	8	12	13	15		12	24
11/8/2020	23	10	12		18	9	14	9	8	13	11	3		25	54
11/9/2020	6	5	6		7	4	8	5	5	5	5	4		5	9
11/10/2020	8	5	7		8	5	10	5	5	6	5	3		10	11
11/11/2020	8	6	6		7	6	12	5	6	7	5	6		10	15
11/12/2020	11	7	11		11	7	13	8	8	9	7	8		9	13
11/13/2020	15	8	11		10	7	13	7	7	11	8	26		18	26
11/14/2020	14	11	13		11	9	15	10	10	12	12	14		19	19
11/15/2020	12	12	12		24	12	16	12	12	12	12	7		15	16
11/16/2020	8	11	10		12	12	16	9	11	10	9	4		12	22
11/17/2020	14	34	142		48	49	71	15	25	33	118	9		16	26
11/18/2020	11	34	104		52	30	30	26	20	61	28	9		7	54
11/19/2020	9	7	11		23	9	11	8	9	8	8	4		10	8
11/20/2020	8	8	8		12	8	15	7	11	11	7	6		18	20

App A- Daily Average PM10 for Coso Junction PM10 Planning Area and Surrounding Monitoring Stations 2010-2020

Daily PM10 Date	Sites														
	Coso Junction	Bill Stanley	Dirty Socks	Flat Rock	Keeler	Lizard Tail	Lone Pine	Mill Site	North Beach	Olancha	Shell Cut	Canebrake	Ridgecrest- California Ave	Ridgecrest- Ward	Trona
11/21/2020	9	9	10		12	9	15	8	12	10	9	6		17	15
11/22/2020	8	7	8		19	8	11	7	9		8	6		11	16
11/23/2020	10	10	11		12	8	12	11	18		10	20		17	17
11/24/2020	10	6	7		8	6	12	2	8	7	5	14		15	18
11/25/2020	12	8	10		11	11	17	7		10	10	21		18	18
11/26/2020	18	9	14		31	10	10	12	18	13	12	13		20	20
11/27/2020	10	9	14		12	8	19	6	20	10	9	8		52	8
11/28/2020	8	8	8		15	12	18	8	12	8	8	10		29	25
11/29/2020	9	9	9		21	9	16	9	13	10	9	6		11	25
11/30/2020	6	8	19		9	8	16	8	9	9	7	7		13	23
12/1/2020	8	9	12		10	8	13	7	10	8	8	8		11	20
12/2/2020	8	7	10		10	8	16	10	9	8	9	5		11	23
12/3/2020	12	7	6		9	8	11	6	11	8	6	6		14	16
12/4/2020	9	7	8		9	8	18	6	10	8	8	8		16	21
12/5/2020	7	7	6		10	8	16	6	9	8	7	6		11	20
12/6/2020	8	7	6		8	9	13	6	14	8	6	10		16	21
12/7/2020	19	12	16		34	11	12	17	16	12	17	9		25	22
12/8/2020	9	8	9		11	9	16	8	11	9	10	5		16	19
12/9/2020	7	9	9		14	9	14	9	12	10	8	6		19	31
12/10/2020	8	8	9		9	8		8	11	9	8	19		23	26
12/11/2020	11	8	9		11	7	17	7	10	10	8	21		33	38
12/12/2020	16	13	20		20	22	35	18	38	17	21	18		40	55
12/13/2020	12	10	15		15	12	18	16	13	17	15	17		20	15
12/14/2020	9	9	10		22	8	11	10	16	10	10	2		11	12
12/15/2020	5	4	5		3	3	10	3	5	5	4	3		9	15
12/16/2020	7	5	5		5	4	13	6	6	5	5	2		11	15
12/17/2020	10	7	28		18	6	9	9	13	24	11	2		19	32
12/18/2020	6	5	7		7	5	11	4	12	6	5	2			17
12/19/2020	5	5	5		6	5	16	5	11	6	5	2			21
12/20/2020	6	7	6		7	8	18	7	15	8	6	2			24
12/21/2020	7	8	9		10	8	17	8	17	8	7	3			32
12/22/2020	10	9	11		18	8	17	9	11	9	9	8			20
12/23/2020	13	9	13		10	10	18	9	20	9	11				22
12/24/2020	9	9	8		7	6	17	6	10	8	6			21	18
12/25/2020	4	6	6		6	6	14	5	18	8	6			25	23
12/26/2020	11	30	19		13	9	13	11	20	19	12			15	21
12/27/2020	3	4	3		4	4	8	4	5	3	3			5	10
12/28/2020	4	4	4		4	3	4	4		4	3			2	5
12/29/2020	4	4	5		14	4	4	5	4	4	4			3	7
12/30/2020	3	3	3		5	3	6	2	2	3	2	0		5	11
12/31/2020	12	9	12		29	10	8	11	15	8	7	3		18	

App B- Coso Junction PM10 Exceedance Days Hourly PM10 and Wind Speed and Direction

PM10 Exceedance Date	Hour End	Daily Average PM10 ($\mu\text{g}/\text{m}^3$)	Hourly Average PM10 ($\mu\text{g}/\text{m}^3$)	Hourly Average Wind Speed (m/s)	Hourly Average Wind Direction (degrees)
2/8/2011	2/8/2011 1:00	204	609.4	10.3	337
2/8/2011	2/8/2011 2:00	204	1274.0	10.8	330
2/8/2011	2/8/2011 3:00	204	1106.2	11.3	328
2/8/2011	2/8/2011 4:00	204	545.1	7.3	326
2/8/2011	2/8/2011 5:00	204	332.1	6.8	327
2/8/2011	2/8/2011 6:00	204	181.1	7.1	331
2/8/2011	2/8/2011 7:00	204	146.6	6.3	331
2/8/2011	2/8/2011 8:00	204	98.1	7.7	346
2/8/2011	2/8/2011 9:00	204	93.3	9.5	358
2/8/2011	2/8/2011 10:00	204	95.8	10.2	345
2/8/2011	2/8/2011 11:00	204	95.1	9.8	343
2/8/2011	2/8/2011 12:00	204	69.0	8.9	349
2/8/2011	2/8/2011 13:00	204	20.4	7.7	349
2/8/2011	2/8/2011 14:00	204	29.2	7.0	350
2/8/2011	2/8/2011 15:00	204	23.3	6.6	345
2/8/2011	2/8/2011 16:00	204	19.9	6.5	351
2/8/2011	2/8/2011 17:00	204	20.9	6.1	351
2/8/2011	2/8/2011 18:00	204	27.9	4.1	324
2/8/2011	2/8/2011 19:00	204	20.1	3.8	316
2/8/2011	2/8/2011 20:00	204	14.7	4.5	315
2/8/2011	2/8/2011 21:00	204	7.5	5.0	315
2/8/2011	2/8/2011 22:00	204	13.2	6.7	325
2/8/2011	2/8/2011 23:00	204	31.9	7.2	325
2/8/2011	2/9/2011 0:00	204	38.1	6.5	331
11/30/2011	11/30/2011 1:00	219	2.4	2.0	345
11/30/2011	11/30/2011 2:00	219	6.5	2.9	339
11/30/2011	11/30/2011 3:00	219	7.1	7.2	326
11/30/2011	11/30/2011 4:00	219	6.3	5.8	344
11/30/2011	11/30/2011 5:00	219	5.8	1.7	23
11/30/2011	11/30/2011 6:00	219	8.5	2.1	351
11/30/2011	11/30/2011 7:00	219	5.3	3.1	341
11/30/2011	11/30/2011 8:00	219	11.3	3.7	358
11/30/2011	11/30/2011 9:00	219	8.0	4.5	346
11/30/2011	11/30/2011 10:00	219	9.7	1.7	110
11/30/2011	11/30/2011 11:00	219	10.3	1.5	71
11/30/2011	11/30/2011 12:00	219	8.3	6.4	337
11/30/2011	11/30/2011 13:00	219	6.2	8.0	338
11/30/2011	11/30/2011 14:00	219	63.7	8.6	344
11/30/2011	11/30/2011 15:00	219	656.0	14.0	354
11/30/2011	11/30/2011 16:00	219	1183.5	17.1	354
11/30/2011	11/30/2011 17:00	219	779.4	16.9	338
11/30/2011	11/30/2011 18:00	219	769.6	18.5	350
11/30/2011	11/30/2011 19:00	219	624.7	17.5	358

App B- Coso Junction PM10 Exceedance Days Hourly PM10 and Wind Speed and Direction

PM10 Exceedance Date	Hour End	Daily Average PM10 ($\mu\text{g}/\text{m}^3$)	Hourly Average PM10 ($\mu\text{g}/\text{m}^3$)	Hourly Average Wind Speed (m/s)	Hourly Average Wind Direction (degrees)
11/30/2011	11/30/2011 20:00	219	422.5	15.3	355
11/30/2011	11/30/2011 21:00	219	215.6	13.8	356
11/30/2011	11/30/2011 22:00	219	182.5	15.2	352
11/30/2011	11/30/2011 23:00	219	126.4	13.3	3
11/30/2011	12/1/2011 0:00	219	137.5	14.2	358
12/1/2011	12/1/2011 1:00	189	191.7	16.7	354
12/1/2011	12/1/2011 2:00	189	250.0	17.1	357
12/1/2011	12/1/2011 3:00	189	438.6	16.6	356
12/1/2011	12/1/2011 4:00	189	326.6	16.3	352
12/1/2011	12/1/2011 5:00	189	360.8	17.8	344
12/1/2011	12/1/2011 6:00	189	240.7	16.8	343
12/1/2011	12/1/2011 7:00	189	123.7	13.9	338
12/1/2011	12/1/2011 8:00	189	84.5	15.5	344
12/1/2011	12/1/2011 9:00	189	284.5	14.4	342
12/1/2011	12/1/2011 10:00	189	215.3	14.1	348
12/1/2011	12/1/2011 11:00	189	291.3	15.4	345
12/1/2011	12/1/2011 12:00	189	385.9	17.1	343
12/1/2011	12/1/2011 13:00	189	263.1	17.8	344
12/1/2011	12/1/2011 14:00	189	153.5	14.2	349
12/1/2011	12/1/2011 15:00	189	117.9	12.9	350
12/1/2011	12/1/2011 16:00	189	108.2	12.1	356
12/1/2011	12/1/2011 17:00	189	87.8	9.9	354
12/1/2011	12/1/2011 18:00	189	98.8	11.7	355
12/1/2011	12/1/2011 19:00	189	110.7	8.4	349
12/1/2011	12/1/2011 20:00	189	105.8	9.0	347
12/1/2011	12/1/2011 21:00	189	85.7	11.6	351
12/1/2011	12/1/2011 22:00	189	87.0	10.6	355
12/1/2011	12/1/2011 23:00	189	69.4	9.2	343
12/1/2011	12/2/2011 0:00	189	68.7	9.4	342
3/6/2012	3/6/2012 1:00	173	6.8	3.5	291
3/6/2012	3/6/2012 2:00	173	9.4	2.6	329
3/6/2012	3/6/2012 3:00	173	6.8	2.5	114
3/6/2012	3/6/2012 4:00	173	19.0	3.9	220
3/6/2012	3/6/2012 5:00	173	156.6	8.2	271
3/6/2012	3/6/2012 6:00	173	35.4	6.1	297
3/6/2012	3/6/2012 7:00	173	113.0	11.2	275
3/6/2012	3/6/2012 8:00	173	208.1	14.2	263
3/6/2012	3/6/2012 9:00	173	95.1	13.2	254
3/6/2012	3/6/2012 10:00	173	64.5	9.6	262
3/6/2012	3/6/2012 11:00	173	124.4	7.8	274
3/6/2012	3/6/2012 12:00	173	101.5	7.8	260
3/6/2012	3/6/2012 13:00	173	36.6	7.1	289
3/6/2012	3/6/2012 14:00	173	12.3	6.4	284

App B- Coso Junction PM10 Exceedance Days Hourly PM10 and Wind Speed and Direction

PM10 Exceedance Date	Hour End	Daily Average PM10 ($\mu\text{g}/\text{m}^3$)	Hourly Average PM10 ($\mu\text{g}/\text{m}^3$)	Hourly Average Wind Speed (m/s)	Hourly Average Wind Direction (degrees)
3/6/2012	3/6/2012 15:00	173	26.5	10.3	308
3/6/2012	3/6/2012 16:00	173	1231.6	15.7	276
3/6/2012	3/6/2012 17:00	173	259.2	17.1	275
3/6/2012	3/6/2012 18:00	173	40.0	14.9	277
3/6/2012	3/6/2012 19:00	173	9.6	11.9	274
3/6/2012	3/6/2012 20:00	173	8.4	7.1	290
3/6/2012	3/6/2012 21:00	173	22.5	6.7	341
3/6/2012	3/6/2012 22:00	173	212.6	11.7	353
3/6/2012	3/6/2012 23:00	173	845.7	14.6	348
3/6/2012	3/7/2012 0:00	173	514.9	16.6	354
8/7/2013	8/7/2013 1:00	162	25.6	1.9	191
8/7/2013	8/7/2013 2:00	162	22.4	1.9	195
8/7/2013	8/7/2013 3:00	162	30.6	2.0	167
8/7/2013	8/7/2013 4:00	162	63.5	2.5	138
8/7/2013	8/7/2013 5:00	162	35.8	1.7	202
8/7/2013	8/7/2013 6:00	162	105.0	1.7	160
8/7/2013	8/7/2013 7:00	162	93.9	1.8	164
8/7/2013	8/7/2013 8:00	162	51.0	2.4	154
8/7/2013	8/7/2013 9:00	162	30.2	1.9	127
8/7/2013	8/7/2013 10:00	162	41.8	2.5	128
8/7/2013	8/7/2013 11:00	162	32.8	4.0	117
8/7/2013	8/7/2013 12:00	162	51.6	3.7	150
8/7/2013	8/7/2013 13:00	162	34.3	3.7	143
8/7/2013	8/7/2013 14:00	162	73.1	4.0	143
8/7/2013	8/7/2013 15:00	162	666.6	5.2	229
8/7/2013	8/7/2013 16:00	162	782.8	9.7	259
8/7/2013	8/7/2013 17:00	162	836.7	11.7	257
8/7/2013	8/7/2013 18:00	162	507.0	10.5	268
8/7/2013	8/7/2013 19:00	162	230.6	10.9	270
8/7/2013	8/7/2013 20:00	162	93.5	9.4	275
8/7/2013	8/7/2013 21:00	162	13.3	6.5	272
8/7/2013	8/7/2013 22:00	162	42.0	3.5	69
8/7/2013	8/7/2013 23:00	162	21.8	2.3	143
8/7/2013	8/8/2013 0:00	162	23.7	1.7	178
9/25/2013	9/25/2013 1:00	157	10.5	3.2	356
9/25/2013	9/25/2013 2:00	157	13.9	2.6	85
9/25/2013	9/25/2013 3:00	157	74.1	3.9	298
9/25/2013	9/25/2013 4:00	157	31.9	5.2	313
9/25/2013	9/25/2013 5:00	157	16.9	3.6	315
9/25/2013	9/25/2013 6:00	157	15.8	2.6	8
9/25/2013	9/25/2013 7:00	157	24.7	3.5	311
9/25/2013	9/25/2013 8:00	157	53.4	4.4	255
9/25/2013	9/25/2013 9:00	157	95.2	4.3	20

App B- Coso Junction PM10 Exceedance Days Hourly PM10 and Wind Speed and Direction

PM10 Exceedance Date	Hour End	Daily Average PM10 ($\mu\text{g}/\text{m}^3$)	Hourly Average PM10 ($\mu\text{g}/\text{m}^3$)	Hourly Average Wind Speed (m/s)	Hourly Average Wind Direction (degrees)
9/25/2013	9/25/2013 10:00	157	1.5	2.7	129
9/25/2013	9/25/2013 11:00	157	65.9	7.0	254
9/25/2013	9/25/2013 12:00	157	612.2	8.7	261
9/25/2013	9/25/2013 13:00	157	407.0	9.3	258
9/25/2013	9/25/2013 14:00	157	219.5	10.3	249
9/25/2013	9/25/2013 15:00	157	45.5	8.8	261
9/25/2013	9/25/2013 16:00	157	92.9	9.3	267
9/25/2013	9/25/2013 17:00	157	892.9	10.9	268
9/25/2013	9/25/2013 18:00	157	710.8	12.8	269
9/25/2013	9/25/2013 19:00	157	262.0	11.3	277
9/25/2013	9/25/2013 20:00	157	25.3	6.1	288
9/25/2013	9/25/2013 21:00	157	50.7	5.0	355
9/25/2013	9/25/2013 22:00	157	17.1	6.6	338
9/25/2013	9/25/2013 23:00	157	18.1	6.7	336
9/25/2013	9/26/2013 0:00	157	20.2	7.2	323
2/16/2014	2/16/2014 1:00	314	198.1	11.1	265
2/16/2014	2/16/2014 2:00	314	7115.6	17.1	266
2/16/2014	2/16/2014 3:00	314	36.1	7.3	278
2/16/2014	2/16/2014 4:00	314	22.3	8.6	273
2/16/2014	2/16/2014 5:00	314	-0.7	4.8	252
2/16/2014	2/16/2014 6:00	314	1.8	6.9	252
2/16/2014	2/16/2014 7:00	314	6.0	3.2	133
2/16/2014	2/16/2014 8:00	314	6.9	2.9	106
2/16/2014	2/16/2014 9:00	314	3.2	3.0	272
2/16/2014	2/16/2014 10:00	314	2.2	3.9	306
2/16/2014	2/16/2014 11:00	314	4.4	8.7	278
2/16/2014	2/16/2014 12:00	314	2.7	5.1	341
2/16/2014	2/16/2014 13:00	314	8.8	7.8	342
2/16/2014	2/16/2014 14:00	314	6.0	6.6	343
2/16/2014	2/16/2014 15:00	314	4.5	5.7	335
2/16/2014	2/16/2014 16:00	314	2.9	5.2	342
2/16/2014	2/16/2014 17:00	314	31.9	3.9	292
2/16/2014	2/16/2014 18:00	314	17.7	2.0	200
2/16/2014	2/16/2014 19:00	314	9.6	1.1	24
2/16/2014	2/16/2014 20:00	314	8.7	1.8	334
2/16/2014	2/16/2014 21:00	314	11.8	1.6	329
2/16/2014	2/16/2014 22:00	314	15.5	2.3	323
2/16/2014	2/16/2014 23:00	314	12.7	1.3	328
2/16/2014	2/17/2014 0:00	314	12.3	1.7	320
4/25/2014	4/25/2014 1:00	261	12.2	2.6	331
4/25/2014	4/25/2014 2:00	261	17.7	2.3	115
4/25/2014	4/25/2014 3:00	261	21.0	3.0	99
4/25/2014	4/25/2014 4:00	261	20.2	2.0	326

App B- Coso Junction PM10 Exceedance Days Hourly PM10 and Wind Speed and Direction

PM10 Exceedance Date	Hour End	Daily Average PM10 ($\mu\text{g}/\text{m}^3$)	Hourly Average PM10 ($\mu\text{g}/\text{m}^3$)	Hourly Average Wind Speed (m/s)	Hourly Average Wind Direction (degrees)
4/25/2014	4/25/2014 5:00	261	17.8	3.0	263
4/25/2014	4/25/2014 6:00	261	27.4	3.6	255
4/25/2014	4/25/2014 7:00	261	28.1	3.3	289
4/25/2014	4/25/2014 8:00	261	18.7	3.1	74
4/25/2014	4/25/2014 9:00	261	113.0	6.1	239
4/25/2014	4/25/2014 10:00	261	187.1	11.9	247
4/25/2014	4/25/2014 11:00	261	1232.6	18.4	248
4/25/2014	4/25/2014 12:00	261	2768.6	20.6	252
4/25/2014	4/25/2014 13:00	261	342.5	18.9	257
4/25/2014	4/25/2014 14:00	261	779.1	20.6	255
4/25/2014	4/25/2014 15:00	261	616.4	20.3	254
4/25/2014	4/25/2014 16:00	261	49.0	12.5	238
4/25/2014	4/25/2014 17:00	261	15.0	8.1	239
4/25/2014	4/25/2014 18:00	261	7.1	5.1	253
4/25/2014	4/25/2014 19:00	261	5.6	4.7	211
4/25/2014	4/25/2014 20:00	261	1.2	4.6	242
4/25/2014	4/25/2014 21:00	261	-2.0	4.6	168
4/25/2014	4/25/2014 22:00	261	7.1	6.3	198
4/25/2014	4/25/2014 23:00	261	-8.2	4.7	160
4/25/2014	4/26/2014 0:00	261	-5.6	4.3	327
12/31/2014	12/31/2014 1:00	673	139.2	15.5	357
12/31/2014	12/31/2014 2:00	673	276.1	15.5	354
12/31/2014	12/31/2014 3:00	673	526.5	15.7	353
12/31/2014	12/31/2014 4:00	673	883.4	17.0	356
12/31/2014	12/31/2014 5:00	673	360.4	16.9	358
12/31/2014	12/31/2014 6:00	673	1282.5	17.6	354
12/31/2014	12/31/2014 7:00	673	2252.5	15.5	347
12/31/2014	12/31/2014 8:00	673	1833.7	14.5	345
12/31/2014	12/31/2014 9:00	673	2273.0	17.2	352
12/31/2014	12/31/2014 10:00	673	1800.8	17.3	353
12/31/2014	12/31/2014 11:00	673	1641.3	17.5	356
12/31/2014	12/31/2014 12:00	673	1740.0	14.4	355
12/31/2014	12/31/2014 13:00	673	630.6	16.5	0
12/31/2014	12/31/2014 14:00	673	178.4	14.9	357
12/31/2014	12/31/2014 15:00	673	45.5	14.2	355
12/31/2014	12/31/2014 18:00	673	32.6	4.5	317
12/31/2014	12/31/2014 19:00	673	47.8	4.1	318
12/31/2014	12/31/2014 20:00	673	57.0	5.1	312
12/31/2014	12/31/2014 21:00	673	40.7	5.9	283
12/31/2014	12/31/2014 22:00	673	15.0	5.9	317
12/31/2014	12/31/2014 23:00	673	21.2	6.8	325
12/31/2014	1/1/2015 0:00	673	33.1	4.7	307
11/16/2016	11/16/2016 1:00	266	12.8	1.7	219

App B- Coso Junction PM10 Exceedance Days Hourly PM10 and Wind Speed and Direction

PM10 Exceedance Date	Hour End	Daily Average PM10 ($\mu\text{g}/\text{m}^3$)	Hourly Average PM10 ($\mu\text{g}/\text{m}^3$)	Hourly Average Wind Speed (m/s)	Hourly Average Wind Direction (degrees)
11/16/2016	11/16/2016 2:00	266	17.9	1.7	255
11/16/2016	11/16/2016 3:00	266	13.7	1.6	310
11/16/2016	11/16/2016 4:00	266	16.1	1.9	19
11/16/2016	11/16/2016 5:00	266	21.9	1.5	189
11/16/2016	11/16/2016 6:00	266	22.9	2.2	133
11/16/2016	11/16/2016 7:00	266	32.4	1.8	229
11/16/2016	11/16/2016 8:00	266	43.3	2.9	178
11/16/2016	11/16/2016 9:00	266	29.7	1.7	153
11/16/2016	11/16/2016 10:00	266	30.3	3.0	157
11/16/2016	11/16/2016 11:00	266	27.9	3.8	121
11/16/2016	11/16/2016 12:00	266	62.8	6.3	274
11/16/2016	11/16/2016 13:00	266	123.7	13.3	266
11/16/2016	11/16/2016 14:00	266	69.3	11.2	265
11/16/2016	11/16/2016 15:00	266	62.1	13.2	269
11/16/2016	11/16/2016 16:00	266	1250.4	19.0	266
11/16/2016	11/16/2016 17:00	266	4256.7	19.6	259
11/16/2016	11/16/2016 18:00	266	82.9	10.7	299
11/16/2016	11/16/2016 19:00	266	49.0	9.0	359
11/16/2016	11/16/2016 20:00	266	7.8	9.1	329
11/16/2016	11/16/2016 21:00	266	9.8	6.5	305
11/16/2016	11/16/2016 22:00	266	17.5	4.3	347
11/16/2016	11/16/2016 23:00	266	51.6	6.5	352
11/16/2016	11/17/2016 0:00	266	90.3	7.9	344
3/31/2017	3/31/2017 1:00	229	159.0	12.2	329
3/31/2017	3/31/2017 2:00	229	192.8	13.9	334
3/31/2017	3/31/2017 3:00	229	387.5	15.9	323
3/31/2017	3/31/2017 4:00	229	451.2	16.5	332
3/31/2017	3/31/2017 5:00	229	441.6	15.9	325
3/31/2017	3/31/2017 6:00	229		13.5	327
3/31/2017	3/31/2017 7:00	229		11.5	334
3/31/2017	3/31/2017 8:00	229		14.9	341
3/31/2017	3/31/2017 9:00	229		15.2	343
3/31/2017	3/31/2017 10:00	229		15.5	345
3/31/2017	3/31/2017 11:00	229	338.3	13.0	347
3/31/2017	3/31/2017 12:00	229	427.7	15.5	354
3/31/2017	3/31/2017 13:00	229	295.6	13.5	355
3/31/2017	3/31/2017 14:00	229	222.0	13.6	350
3/31/2017	3/31/2017 15:00	229	266.6	13.1	4
3/31/2017	3/31/2017 16:00	229	254.6	14.2	10
3/31/2017	3/31/2017 17:00	229	89.8	12.6	4
3/31/2017	3/31/2017 18:00	229	54.7	12.0	350
3/31/2017	3/31/2017 19:00	229	38.0	10.6	348
3/31/2017	3/31/2017 20:00	229	72.1	10.4	350

App B- Coso Junction PM10 Exceedance Days Hourly PM10 and Wind Speed and Direction

PM10 Exceedance Date	Hour End	Daily Average PM10 ($\mu\text{g}/\text{m}^3$)	Hourly Average PM10 ($\mu\text{g}/\text{m}^3$)	Hourly Average Wind Speed (m/s)	Hourly Average Wind Direction (degrees)
3/31/2017	3/31/2017 21:00	229	242.6	10.4	1
3/31/2017	3/31/2017 22:00	229	244.8	6.4	334
3/31/2017	3/31/2017 23:00	229	133.3	8.6	353
3/31/2017	4/1/2017 0:00	229	64.2	10.1	6
7/29/2017	7/29/2017 1:00	195	30.6	0.7	310
7/29/2017	7/29/2017 2:00	195	33.0	0.5	325
7/29/2017	7/29/2017 3:00	195	37.1	0.6	308
7/29/2017	7/29/2017 4:00	195	38.0	0.8	332
7/29/2017	7/29/2017 5:00	195	43.5	0.4	5
7/29/2017	7/29/2017 6:00	195	1995.4	1.1	338
7/29/2017	7/29/2017 7:00	195	1493.7	0.3	318
7/29/2017	7/29/2017 8:00	195	33.3	1.7	1
7/29/2017	7/29/2017 9:00	195	28.1	1.3	178
7/29/2017	7/29/2017 10:00	195	29.9	3.1	160
7/29/2017	7/29/2017 11:00	195	24.3	4.2	160
7/29/2017	7/29/2017 12:00	195	18.0	4.3	154
7/29/2017	7/29/2017 13:00	195	17.6	4.7	143
7/29/2017	7/29/2017 14:00	195	22.1	5.7	151
7/29/2017	7/29/2017 15:00	195	20.6	6.0	151
7/29/2017	7/29/2017 16:00	195	14.1	6.4	169
7/29/2017	7/29/2017 17:00	195	45.0	4.6	235
7/29/2017	7/29/2017 18:00	195	191.4	6.5	249
7/29/2017	7/29/2017 19:00	195	122.8	7.1	262
7/29/2017	7/29/2017 20:00	195	336.9	8.8	275
7/29/2017	7/29/2017 21:00	195	96.5	9.6	277
7/29/2017	7/29/2017 22:00	195	9.8	7.6	283
7/29/2017	7/29/2017 23:00	195	7.1	4.7	303
7/29/2017	7/30/2017 0:00	195	13.0	1.6	152
12/20/2017	12/20/2017 1:00	166	14.3	1.1	343
12/20/2017	12/20/2017 2:00	166	10.1	1.3	276
12/20/2017	12/20/2017 3:00	166	11.4	1.6	351
12/20/2017	12/20/2017 4:00	166	11.6	1.8	340
12/20/2017	12/20/2017 5:00	166	11.7	1.9	145
12/20/2017	12/20/2017 6:00	166	16.6	2.8	162
12/20/2017	12/20/2017 7:00	166	15.2	5.3	160
12/20/2017	12/20/2017 8:00	166	79.9	5.2	227
12/20/2017	12/20/2017 9:00	166	126.2	10.7	259
12/20/2017	12/20/2017 10:00	166	374.8	11.3	253
12/20/2017	12/20/2017 11:00	166	905.3	13.1	262
12/20/2017	12/20/2017 12:00	166	988.0	16.0	265
12/20/2017	12/20/2017 13:00	166	96.9	12.1	274
12/20/2017	12/20/2017 14:00	166	479.1	12.9	276
12/20/2017	12/20/2017 15:00	166	483.8	9.5	294

App B- Coso Junction PM10 Exceedance Days Hourly PM10 and Wind Speed and Direction

PM10 Exceedance Date	Hour End	Daily Average PM10 ($\mu\text{g}/\text{m}^3$)	Hourly Average PM10 ($\mu\text{g}/\text{m}^3$)	Hourly Average Wind Speed (m/s)	Hourly Average Wind Direction (degrees)
12/20/2017	12/20/2017 16:00	166	31.2	8.5	323
12/20/2017	12/20/2017 17:00	166	-2.1	5.3	331
12/20/2017	12/20/2017 18:00	166	60.7	7.7	325
12/20/2017	12/20/2017 19:00	166	58.9	8.4	0
12/20/2017	12/20/2017 20:00	166	103.6	10.2	7
12/20/2017	12/20/2017 21:00	166	31.1	8.8	352
12/20/2017	12/20/2017 22:00	166	59.8	7.6	4
12/20/2017	12/20/2017 23:00	166	25.7	6.9	355
12/20/2017	12/21/2017 0:00	166	14.4	6.4	345
2/11/2018	2/11/2018 1:00	275	142.3	9.1	349
2/11/2018	2/11/2018 2:00	275	138.4	9.5	339
2/11/2018	2/11/2018 3:00	275	132.1	8.3	351
2/11/2018	2/11/2018 4:00	275	133.2	8.5	341
2/11/2018	2/11/2018 5:00	275	130.2	7.2	330
2/11/2018	2/11/2018 6:00	275	126.1	6.4	331
2/11/2018	2/11/2018 7:00	275	122.7	5.3	348
2/11/2018	2/11/2018 8:00	275	120.0	4.1	353
2/11/2018	2/11/2018 9:00	275	120.7	4.2	11
2/11/2018	2/11/2018 10:00	275	115.4	1.9	125
2/11/2018	2/11/2018 11:00	275	102.3	2.5	184
2/11/2018	2/11/2018 12:00	275	61.2	5.1	173
2/11/2018	2/11/2018 13:00	275	52.1	6.5	168
2/11/2018	2/11/2018 14:00	275	53.1	6.9	165
2/11/2018	2/11/2018 15:00	275	48.3	5.9	143
2/11/2018	2/11/2018 16:00	275	44.0	5.2	141
2/11/2018	2/11/2018 17:00	275	32.4	4.0	145
2/11/2018	2/11/2018 18:00	275	32.3	3.1	128
2/11/2018	2/11/2018 19:00	275	63.4	6.1	257
2/11/2018	2/11/2018 20:00	275	139.7	11.7	259
2/11/2018	2/11/2018 21:00	275	462.3	16.2	265
2/11/2018	2/11/2018 22:00	275	127.4	14.8	277
2/11/2018	2/11/2018 23:00	275	80.0	13.0	287
2/11/2018	2/12/2018 0:00	275	4039.1	21.3	275
9/2/2019	9/2/2019 1:00	156	18.1	1.7	327
9/2/2019	9/2/2019 2:00	156	15.4	1.2	265
9/2/2019	9/2/2019 3:00	156	347.9	5.7	156
9/2/2019	9/2/2019 4:00	156	514.9	3.0	155
9/2/2019	9/2/2019 5:00	156	481.4	1.3	210
9/2/2019	9/2/2019 6:00	156	430.7	1.3	254
9/2/2019	9/2/2019 7:00	156	381.1	1.1	253
9/2/2019	9/2/2019 8:00	156	341.2	1.1	262
9/2/2019	9/2/2019 9:00	156	278.4	1.0	175
9/2/2019	9/2/2019 10:00	156	206.2	1.5	207

App B- Coso Junction PM10 Exceedance Days Hourly PM10 and Wind Speed and Direction

PM10 Exceedance Date	Hour End	Daily Average PM10 (µg/m³)	Hourly Average PM10 (µg/m³)	Hourly Average Wind Speed (m/s)	Hourly Average Wind Direction (degrees)
9/2/2019	9/2/2019 11:00	156	185.7	2.3	149
9/2/2019	9/2/2019 12:00	156	118.9	4.1	141
9/2/2019	9/2/2019 13:00	156	94.9	4.2	140
9/2/2019	9/2/2019 14:00	156	86.7	4.6	167
9/2/2019	9/2/2019 15:00	156	45.3	3.2	170
9/2/2019	9/2/2019 16:00	156	24.6	5.4	286
9/2/2019	9/2/2019 17:00	156	48.6	7.7	350
9/2/2019	9/2/2019 18:00	156	17.4	4.9	352
9/2/2019	9/2/2019 19:00	156	26.4	4.8	340
9/2/2019	9/2/2019 20:00	156	25.3	4.1	338
9/2/2019	9/2/2019 21:00	156	18.2	4.1	316
9/2/2019	9/2/2019 22:00	156	23.7	2.3	360
9/2/2019	9/2/2019 23:00	156	21.8	4.2	339
9/2/2019	9/3/2019 0:00	156	23.6	2.9	342
9/7/2020	9/7/2020 1:00	189	75.6	4.3	323
9/7/2020	9/7/2020 2:00	189	73.3	5.2	334
9/7/2020	9/7/2020 3:00	189	76.6	6.4	336
9/7/2020	9/7/2020 4:00	189	72.9	6.4	338
9/7/2020	9/7/2020 5:00	189	69.4	6.5	333
9/7/2020	9/7/2020 6:00	189	69.5	6.3	326
9/7/2020	9/7/2020 7:00	189	65.2	5.4	331
9/7/2020	9/7/2020 8:00	189	66.1	5.9	337
9/7/2020	9/7/2020 9:00	189	67.7	5.7	335
9/7/2020	9/7/2020 10:00	189	57.7	6.4	335
9/7/2020	9/7/2020 11:00	189	65.7	6.9	339
9/7/2020	9/7/2020 12:00	189	66.0	8.0	344
9/7/2020	9/7/2020 13:00	189	42.3	7.1	346
9/7/2020	9/7/2020 14:00	189	30.4	4.5	330
9/7/2020	9/7/2020 15:00	189	34.9	5.8	348
9/7/2020	9/7/2020 16:00	189	46.7	5.9	355
9/7/2020	9/7/2020 17:00	189	81.4	6.5	320
9/7/2020	9/7/2020 18:00	189	330.6	7.5	296
9/7/2020	9/7/2020 19:00	189	362.6	10.4	287
9/7/2020	9/7/2020 20:00	189	386.4	10.2	294
9/7/2020	9/7/2020 21:00	189	602.7	10.3	292
9/7/2020	9/7/2020 22:00	189	625.0	8.2	293
9/7/2020	9/7/2020 23:00	189	627.9	8.0	295
9/7/2020	9/8/2020 0:00	189	574.1	6.6	303
9/8/2020	9/8/2020 1:00	553	550.8	4.4	1
9/8/2020	9/8/2020 2:00	553	490.8	4.6	359
9/8/2020	9/8/2020 3:00	553	536.6	4.4	9
9/8/2020	9/8/2020 4:00	553	457.3	6.8	352
9/8/2020	9/8/2020 5:00	553	396.6	8.0	335

App B- Coso Junction PM10 Exceedance Days Hourly PM10 and Wind Speed and Direction

PM10 Exceedance Date	Hour End	Daily Average PM10 ($\mu\text{g}/\text{m}^3$)	Hourly Average PM10 ($\mu\text{g}/\text{m}^3$)	Hourly Average Wind Speed (m/s)	Hourly Average Wind Direction (degrees)
9/8/2020	9/8/2020 6:00	553	952.5	10.6	350
9/8/2020	9/8/2020 7:00	553	1072.1	11.4	345
9/8/2020	9/8/2020 8:00	553	1503.6	11.6	330
9/8/2020	9/8/2020 9:00	553	1857.4	13.6	349
9/8/2020	9/8/2020 10:00	553	1574.7	14.3	352
9/8/2020	9/8/2020 11:00	553	1036.9	12.2	357
9/8/2020	9/8/2020 12:00	553	746.5	11.4	360
9/8/2020	9/8/2020 13:00	553	532.1	10.8	357
9/8/2020	9/8/2020 14:00	553	404.9	10.2	357
9/8/2020	9/8/2020 15:00	553	277.9	9.1	360
9/8/2020	9/8/2020 16:00	553	201.7	8.1	1
9/8/2020	9/8/2020 17:00	553	145.6	7.9	358
9/8/2020	9/8/2020 18:00	553	109.4	6.1	342
9/8/2020	9/8/2020 19:00	553	85.4	4.7	317
9/8/2020	9/8/2020 20:00	553	65.1	4.8	336
9/8/2020	9/8/2020 21:00	553	75.4	4.6	326
9/8/2020	9/8/2020 22:00	553	86.8	4.6	330
9/8/2020	9/8/2020 23:00	553	71.8	4.9	324
9/8/2020	9/9/2020 0:00	553	53.6	4.8	324

DRAFT

MEMORANDUM

To: Ann Logan, Great Basin Unified Air Pollution Control District

From: Emily Weissinger and Julia Lester, Ramboll US Consulting, Inc.

Subject: 24-hour PM₁₀ Emission Inventory for the 2nd Maintenance Plan for the Coso Junction Planning Area, Inyo County, California

INTRODUCTION AND SUMMARY

Ramboll US Consulting, Inc. (Ramboll) was contracted to assist the Great Basin Unified Air Pollution Control District (GBUAPCD) in developing the emissions inventory for particulate matter less than 10 microns in diameter (PM₁₀) for the second PM₁₀ Maintenance Plan for the Coso Junction Planning Area (CJPA) in Inyo County, California. The CJPA is located in the southern portion of Inyo County, in the Mojave Desert. The CJPA receives an average rainfall of less than 5 inches per year. The area is sparsely populated (<150 people) and rural in nature. Over 97% of the land in the CJPA is controlled by the federal government with the Department of Defense controlling 63.1% through the China Lake Naval Air Weapons Station (NAWS) and the Department of the Interior controlling 31.2% and 2.8% through the Bureau of Land Management and Forest Service, respectively.¹

The PM₁₀ emissions inventory for the CJPA was last updated in 2010 when the area requested redesignation from nonattainment to attainment for the 24-hour average PM₁₀ National Ambient Air Quality Standard (NAAQS) and submitted its first PM₁₀ maintenance plan² (2010 Maintenance Plan) to the United States Environmental Protection Agency (USEPA). The 2010 Maintenance Plan included annual average PM₁₀ emissions from stationary sources, area sources (entrained dust from travel on paved and unpaved roads), and mobile sources, but did not include windblown dust emissions from the desert-like areas. Restricting emission inventories to anthropogenic sources was commonly done previously, although more recent regulatory emission inventories include all PM₁₀ sources.

Ramboll reviewed the emissions methodologies used in the 2010 Maintenance Plan to inform the development of this inventory update. Windblown dust emissions were calculated using the methodology used in the 2016 GBUAPCD Owens Valley

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¹ As measured through ArcGIS using the shapefile "BLM CA Land Status – Surface Management Areas". Available at: <https://navigator.blm.gov/data?id=1fca0357df7c87ae>. Accessed: June 2021.

² GBUAPCD. 2010. PM₁₀ Maintenance Plan and Redesignation Request for the Coso Junction PM₁₀ Planning Area. Available at: <https://www.gbuapcd.org/Docs/District/AirQualityPlans/Coso/2010CosoPM10MaintenancePlan.pdf>. Accessed: June 2021.

Planning Area PM₁₀ State Implementation Plan (2016 GBUAPCD Owens PM₁₀ SIP).³ Where appropriate, the previous methodologies for the other sources have been updated. The methodology and data used to calculate emissions are discussed in this technical memorandum.

Summary

Table 1 presents a summary of the PM₁₀ emissions inventory update for the CJPA, for the 2nd maintenance plan period (2020 through 2030). It includes the following source categories: stationary sources; entrained dust from vehicle travel; windblown dust from unpaved roads; windblown dust from open areas; and mobile sources. The major difference between the previous 2010 Maintenance Plan inventory and this inventory is the inclusion of CJPA windblown dust sources (mostly from desert shrublands). The summary table below shows the annual average emissions in the 2010 Maintenance Plan Inventory (2008) and the current inventory (2020 and 2030).

Emission Source	2010 Maintenance Plan – 2008 (tons/day)	Current Inventory - 2020 (tons/day)	Current Inventory - 2030 (tons/day)
Stationary Sources	0.64	0.49	0.49
Entrained Dust from Vehicle Travel	0.09	0.06	0.06
Windblown Dust – Unpaved Roads	--	0.11	0.11
Windblown Dust – Open Areas	--	36.34	36.34
Mobile Sources	0.01	0.01	0.01
Total	0.74	37.01	37.01
<u>Notes:</u> Totals may not add up due to rounding.			

As can be seen, windblown dust from open areas constitutes over 98% of the updated inventory. Stationary source annual average daily emissions are lower than the 2010 Maintenance Plan inventory for 2008, partially because an updated method for estimating unpaved road dust emissions was used for the Coso Energy Developers site (a calculation done as part of the stationary source estimates). The total annual average PM₁₀ inventory from 2020 to 2030 is expected to be essentially constant throughout that period; emissions from each of the major emission source categories are also expected to remain essentially constant.

³ GBUAPCD. 2016. Owens Valley Planning Area PM₁₀ State Implementation Plan. Available at: https://www.gbuapcd.org/Docs/District/AirQualityPlans/OwensValley/2016_SIP_FINAL_20160413.pdf. Accessed: June 2021.

EMISSIONS METHODOLOGIES AND CALCULATIONS

Stationary Sources

Examples of stationary source types in the CJPA include mineral processing facilities, geothermal power plants, and military operations. Emissions data for these facilities is based on issued permits and current activity data; it was provided by GBUAPCD staff. Stationary source emissions are presented in Table 2. Each of these emissions estimates is a daily annual average computed by dividing the total annual estimated PM₁₀ emissions from the site by 365 days.

The largest stationary source of emissions in the CJPA is Coso Energy Developers, which contributes an annual average of 289 pounds per day of PM₁₀ emissions, over 90% of which is attributable to vehicle travel on unpaved roads within the site. This contribution by unpaved roads includes a precipitation adjustment factor and is separate from the non-facility unpaved road emissions reported in Table 3.

The second largest stationary source is Twin Mountain Rock Venture, which contributes an annual average of 235 pounds per day of PM₁₀ emissions. Emission sources at this facility can be attributed to the mineral processing activities that occur there, including screening, crushing, and conveying of mineral materials.

The third largest stationary source in the CJPA is the China Lake NAWS, with an average of 191 pounds per day of PM₁₀. This estimate includes emissions from one-time events such as explosions at the test areas at the site, as well as emissions from generator engines, grading, travel on unpaved roads, and erosion from wind. These contributions by facility unpaved roads and windblown dust are assumed to be separate sources from the non-facility unpaved roads and windblown dust sources in Tables 3, 4, and 5. The calculated emissions from vehicle travel on unpaved roads include a precipitation adjustment factor.

The fourth largest stationary source in the CJPA is Southwest Pumice, LLC, which contributes an average of 185 pounds per day to the PM₁₀ inventory. Emission sources at this facility can be attributed to the mineral processing activities that occur there, including screening, crushing, and conveying of mineral materials.

The final substantial stationary source (i.e., >50 pounds per day) in the CJPA is Bowman Asphalt, Inc., with emissions averaging 86 pounds per day. These emissions are attributable to mineral processing at the rock crushing plant and the operation of a diesel engine generator.

Fugitive Emissions: Entrained Dust from Vehicle Travel

Vehicles traveling along roads generate PM₁₀ emissions when dust on the ground is disturbed by vehicle activity and reentrained into the air. Because paved and unpaved roads differ in various physical characteristics, emissions from each road type are often calculated separately.

Entrained Paved Road Dust

In this analysis, paved road emissions were calculated based on values published online by the California Air Resources Board (CARB) via the California Emissions Projection Analysis Model (CEPAM) 2016 v1.05.⁴ CEPAM provides a complete PM₁₀ emissions inventory for Inyo County, organized by various subcategories which include "Paved Road Dust". To approximate what portion of the Inyo County paved road dust emissions can be attributed to the CJPA, Ramboll used the fraction of the total paved road length in CJPA to total paved road length in Inyo County. This fraction, approximately 6.5%, was determined using ArcGIS and TIGER/Line® data provided by GBUAPCD staff (Figure 1). This fraction was then applied to the Inyo

⁴ CEPAM: 2016 SIP - Standard Emission Tool. Available at: <https://www.arb.ca.gov/app/emsinv/fcemssumcat/fcemssumcat2016.php>. Accessed: June 2021.

County emissions obtained from CEPAM to estimate the PM₁₀ emissions from paved road travel in the CJPA. Emissions estimates for the maintenance period of 2020 to 2030 are presented in Table 3.

Entrained Unpaved Road Dust

PM₁₀ emissions from unpaved road travel were calculated using the methodology outlined in AP-42, Section 13.2.2, Equation 1b.⁵ Under this methodology, the PM₁₀ emission factor for vehicle travel on unpaved, publicly accessible roads is calculated as follows:

$$E = \frac{k \left(\frac{s}{12}\right)^a \left(\frac{S}{30}\right)^d}{\left(\frac{M}{0.5}\right)^c} - C$$

Where,

- E: PM₁₀ emission factor (lb/VMT)
- k: particle size multiplier (1.8 lb/VMT for PM₁₀, as defined in AP-42, Section 13.2.2)
- s: silt content of surface material (5%, measured in Keeler, CA; both Keeler and Rose Valley, which includes Coso Junction, are located in the same Owens Valley formation and the sedimentary composition of the two areas is expected to be similar)
- S: mean vehicle speed (30 mph, 2010 Maintenance Plan)
- M: moisture content of surface material (0.3%, conservative assumption)
- C: emission factor for 1980's vehicle fleet exhaust, tire wear, and brake wear (0.00047 lb/VMT)
- a: empirical constant (1)
- d: empirical constant (0.5)
- c: empirical constant (0.2)

Using this equation, an emission factor of 0.83 lb/VMT was obtained. The standard precipitation adjustment factor was also applied, according to Equation 2 from AP-42, Section 13.2.2⁶:

$$E_{ext} = E \frac{365 - P}{365}$$

Where,

- E_{ext}: emission factor with precipitation adjustment (lb/VMT)
- E: PM₁₀ emission factor (lb/VMT)
- P: number of days in a year with at least 0.254 mm (0.01 in) of precipitation

Using this equation, an adjusted emission factor of 0.76 lb/VMT was obtained. The emissions were then calculated by applying this factor to the estimated vehicle traffic on non-stationary source facility unpaved

⁵ United States Environmental Protection Agency. 2006. *AP-42: Compilation of Air Emissions Factors – 13.2.2 Unpaved Roads*. Available at: <https://www3.epa.gov/ttnchie1/ap42/ch13/final/c13s0202.pdf>. Accessed: June 2021.

⁶ United States Environmental Protection Agency. 2006. *AP-42: Compilation of Air Emissions Factors – 13.2.2 Unpaved Roads*. Available at: <https://www3.epa.gov/ttnchie1/ap42/ch13/final/c13s0202.pdf>. Accessed: June 2021.

roads in the CJPA. Vehicle traffic on unpaved roads was calculated assuming an average of 2 trips per day along 50 miles of regularly traveled unpaved public roads in the CJPA, consistent with the 2010 Maintenance Plan. This assumption is reasonable considering the sparse population of the area and the fact that most of the unpaved roads in the Coso Junction PM10 Planning Area are through federally controlled land where access, development, or both are restricted (see Figure 2). Full details on the calculation of the emission factor are presented in Table 3, along with the total entrained road dust emission estimates for paved and unpaved roads throughout the maintenance period of 2020 to 2030. The values for emissions from unpaved road travel in Table 3 do not include those from the China Lake NAWS and Coso Energy Developers, which are counted within the stationary source emissions estimates for those sites.

Fugitive Emissions: Windblown Dust

Windblown dust is generated when winds move across surfaces including open areas and unpaved roads. Windblown dust was not included in the 2010 Maintenance Plan, as the major sources of exceedances due to windblown dust (an agricultural field and an unpaved truck parking area) were converted to land uses which produce a lesser amount of dust. However, this inventory update includes potential windblown dust emissions from all unpaved roads and open areas across the CJPA to maintain consistency with other planning areas in Inyo County, based on the methodology used in the GBUAPCD 2016 Owens Valley Planning Area PM₁₀ State Implementation Plan. The methodologies used for calculating PM₁₀ emissions from windblown dust are presented in the following subsections.

Windblown Dust – Unpaved Roads

For this emissions inventory, windblown dust generation over unpaved roads was estimated by applying an emission factor to an estimated area of unpaved roads in the CJPA. To estimate the area, the total length of unpaved roads in the CJPA (675 miles) was approximated utilizing ArcGIS. This length was then multiplied by an average roadway width, assumed to be 20 feet, consistent with the 2010 Maintenance Plan. An emission factor of 0.0241 tons/acre/yr for “Barren” land uses was applied to the unpaved roadway area.⁷ The use of the “Barren” land use category is consistent with the approach used in the 2016 GBUAPCD Owens Valley Planning Area PM₁₀ State Implementation Plan. The emissions values and calculation details for windblown dust from unpaved roads are presented in Table 4. As the CJPA is sparsely populated and the majority of unpaved roads are through federally controlled land where access, development, or both are restricted, emissions are assumed to remain constant throughout the maintenance period of 2020 to 2030.

Windblown Dust – Open Areas

The rate of PM₁₀ emissions from windblown dust over non-stationary source facility open areas varies depending on the type of land use, as some surfaces are more emissive than others. The main land use types in the CJPA with the potential to emit PM₁₀ are developed/urban areas, shrublands, forests, and barren land (Figure 3). The area of each of these land use types was estimated using the 2011 National Land Cover Database.⁸ The area for barren land was adjusted to remove acreage related to unpaved roads as emissions from those areas are already counted in Table 4.

⁷ Mansell, Gerard. 2005. Final Revision for the Imperial Valley Fugitive Dust Emission Inventory. Technical Memorandum to Brad Poiriez, Imperial County Air Pollution Control District. September 20.

⁸ Land use data obtained from Multi-Resolution Land Characteristics Consortium National Land Cover Database 2011. Available at: <https://www.mrlc.gov/data/nlcd-2011-land-cover-conus-0>. Accessed: June 2021.

Emission factors were multiplied by the acreages of their corresponding land use types to calculate the PM₁₀ emissions. The emission factors used⁹ were consistent with those in the 2016 GBUAPCD Owens Valley Planning Area PM₁₀ State Implementation Plan. The emissions values and calculation details for windblown dust from open areas are presented in Table 5. Given that the overwhelming majority of the land within the Coso Junction PM₁₀ Planning Area is under federal control and development in many of those areas is restricted, land use in the CJPA is assumed to stay relatively the same during the maintenance period of 2020 to 2030; as a result, related source emissions are assumed to remain constant during this period. The values for emissions from windblown dust over open areas in Table 5 do not include those from within the China Lake NAWS, which are counted within the stationary source emissions estimates for that site.

Mobile Sources

On-Road Mobile Sources

Direct PM₁₀ emissions from on-road mobile sources (i.e., tailpipe, tire wear, and brake wear) were calculated using values from CARB's EMFAC2017 model¹⁰ for Inyo County. This category contains several subcategories, including light duty passenger vehicles and trucks.

Ramboll assumed that the fraction of mobile source emissions generated in the CJPA is equivalent to the fraction of paved roads in the County, approximately 6.5% (as described previously in the discussion of entrained paved road dust emissions). Emission estimates for the maintenance period of 2020 to 2030 are presented in Table 6.

Off-Road Mobile Sources

Off-road mobile sources include planes, trains, farm and construction equipment. Per CEPAM, the off-road mobile source inventory for Inyo County in 2020 is 0.017 tons/day. Approximately half of these emissions are aircraft emissions, which are identified as exclusively commercial. Given the low population in the CJPA (less than 1% of the population of Inyo County) and that there is no commercial airport or identified agricultural acreage in the CJPA, off-road mobile sources were excluded as negligible.

⁹ Mansell, Gerard. 2005. Final Revision for the Imperial Valley Fugitive Dust Emission Inventory. Technical Memorandum to Brad Poiriez, Imperial County Air Pollution Control District. September 20.

¹⁰ CARB's EMFAC2017 Web Database. Available at: <https://arb.ca.gov/emfac/2017/>. Accessed: June 2021.



TABLES



FIGURES

App C- Inventory Update Tables

Table 1. Emission Inventory Summary

GBUAPCD Coso Junction PM₁₀ Maintenance Plan

Emissions Category	Annual Average PM ₁₀ Emissions (pounds/day)										
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Stationary Sources ¹	987	987	987	987	987	987	987	987	987	987	987
Entrained dust - vehicle travel ²	120	121	121	121	122	122	122	122	123	123	123
Windblown dust - unpaved roads ³	216	216	216	216	216	216	216	216	216	216	216
Windblown dust - open areas ⁴	72,682	72,682	72,682	72,682	72,682	72,682	72,682	72,682	72,682	72,682	72,682
Mobile Sources ⁵	20.8	20.6	20.3	20.2	20.2	20.2	20.1	20.1	20.1	20.1	20.1
Total	74,026	74,027	74,027	74,027	74,027	74,027	74,028	74,028	74,028	74,029	74,029

Emissions Category	Annual Average PM ₁₀ Emissions (tons/day)										
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Stationary Sources ¹	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49
Entrained dust - vehicle travel ²	0.060	0.060	0.060	0.061	0.061	0.061	0.061	0.061	0.061	0.062	0.062
Windblown dust - unpaved roads ³	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
Windblown dust - open areas ⁴	36.34	36.34	36.34	36.34	36.34	36.34	36.34	36.34	36.34	36.34	36.34
Mobile Sources ⁵	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
Total	37.01	37.01	37.01	37.01	37.01	37.01	37.01	37.01	37.01	37.01	37.01

Notes:

¹ Based on analysis performed by GBUAPCD. Represents the daily average PM₁₀ emissions calculated by dividing the total annual emissions by 365 days per year. Emissions assumed to remain constant through maintenance period of 2020-2030.

² Includes entrained road dust emissions from paved and unpaved roads. Paved road dust emissions for the CJPA are assumed equivalent to the total paved road dust emissions for Inyo County, multiplied by the percentage of paved roads in the CJPA out of the total Inyo County as measured through GIS analysis (6.5%). Inyo County emissions obtained from CEPAM: 2016 SIP - Standard Emission Tool. Available at: <https://www.arb.ca.gov/app/emsinv/fcemssumcat/fcemssumcat2016.php>. Accessed: June 2021. Unpaved road dust emissions are calculated following guidance in AP-42, Section 13.2.2 for vehicles traveling on unpaved publicly accessible roads. See Table 3.

³ Estimated using emission factors and methodology consistent with the GBUAPCD 2016 Owens Valley Planning Area PM₁₀ State Implementation Plan. PM₁₀ emission factors obtained from: Mansell, Gerard. 2005. *Final Revision for the Imperial Valley Fugitive Dust Emission Inventory*. Technical Memorandum to Brad Poiriez, Imperial County Air Pollution Control District. September 20. Emission factors applied to unpaved roadway area estimated through GIS analysis. See Table 4.

⁴ Estimated using emission factors and methodology consistent with the GBUAPCD 2016 Owens Valley Planning Area PM₁₀ State Implementation Plan. PM₁₀ emission factors obtained from: Mansell, Gerard. 2005. *Final Revision for the Imperial Valley Fugitive Dust Emission Inventory*. Technical Memorandum to Brad Poiriez, Imperial County Air Pollution Control District. September 20. Emission factors applied to land use areas obtained from the National Land Use Data Set. Available at: <http://www.mrlc.gov/viewerjrs/>. Accessed: June 2021. See Table 5.

⁵ Equivalent to the total emissions for the category in Inyo County, multiplied by the percentage of paved roads in the CJPA out of the total Inyo County as measured through GIS analysis (6.5%). Inyo County emissions obtained from EMFAC2017. Available at: <https://arb.ca.gov/emfac/2017/>. Accessed: June 2021. See Table 6.

Abbreviations:

CEPAM - California Emissions Projection Analysis Model

CJPA - Coso Junction Planning Area

GBUAPCD - Great Basin Unified Air Pollution Control District

GIS - geographic information system

PM₁₀ - particulate matter less than 10 microns in aerodynamic diameter

App C- Inventory Update Tables

Table 2. Emission Inventory - Stationary Sources

GBUAPCD Coso Junction PM₁₀ Maintenance Plan

Company Name ¹	Annual Average PM ₁₀ Emissions ² (2020 - 2030)		
	(ton/year)	(lb/day)	(tons/day)
Twin Mountain Rock Venture	42.9	235	0.118
Southwest Pumice, LLC	33.8	185	0.093
China Lake NAWS	34.9	191	0.096
Bowman Asphalt, Inc.	15.7	86	0.043
Coso Energy Developers	52.8	289	0.145
Coso Power Developers	0.079	0.433	< 0.001
Coso Finance Partners	0.022	0.119	< 0.001
Pacific Bell dba AT&T (Slate Radio)	0.002	0.008	< 0.001
Federal Aviation Administration	0.001	0.005	< 0.001
Total	180	987	0.494

Notes:

¹ Total represents emissions from all facilities under the company name in the CJPA.

² Data received from GBUAPCD. The daily emission estimates were calculated by dividing the annual emissions by 365 days per year. Emissions assumed to remain constant through maintenance period of 2020-2030.

Abbreviations:

CJPA - Coso Junction Planning Area

GBUAPCD - Great Basin Unified Air Pollution Control District

lb - pounds

NAWS - Naval Air Weapons Station

PM₁₀ - particulate matter less than 10 microns in diameter

App C- Inventory Update Tables

Table 3. Emission Inventory - Entrained Dust from Vehicle Travel

GBUAPCD Coso Junction PM₁₀ Maintenance Plan

Annual Average PM ₁₀ Emissions (tpd) - Inyo County											
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Paved Roads ¹	0.338	0.340	0.342	0.345	0.347	0.350	0.352	0.354	0.357	0.359	0.362

Annual Average PM ₁₀ Emissions (tpd) - Coso Junction Planning Area											
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Paved Roads ²	0.022	0.022	0.022	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.024
Unpaved Roads ^{3,4}	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.038
Total Entrained Road Dust Emissions	0.060	0.060	0.060	0.061	0.061	0.061	0.061	0.061	0.061	0.062	0.062

Notes:

¹ Paved road dust emissions for Inyo County obtained from the CEPAM: 2016 SIP - Standard Emission Tool. Available at: <https://www.arb.ca.gov/app/emsinv/fcemssumcat/fcemssumcat2016.php>. Accessed: June 2021.

² Paved road dust emissions for the CJPA estimated as 6.5% of the total Inyo County emissions, based on the fraction of paved roads in the CJPA to paved roads in Inyo County as measured through GIS analysis.

³ Emission factor calculated following guidance in AP-42, Section 13.2.2 for vehicles traveling on unpaved publicly accessible roads. The equation is:

$$E = \frac{k (s/12)^a (S/30)^d}{(M/0.5)^c} - C$$

where:

- 1.8 = k_{PM10} (lb/VMT), PM₁₀ particle size multiplier
- 1 = a, empirical constant
- 0.5 = d, empirical constant
- 0.2 = c, empirical constant
- 0.3 = M, surface material moisture content (%; conservative)
- 30 = S, mean vehicle speed (mph)
- 5 = s, surface material silt content (%; measured in Keeler, CA)
- 0.00047 = C, emission factor for 1980's vehicle fleet exhaust, brake wear and tire wear (lb/VMT)

0.83 = E (Emission Factor, lb/VMT)

Then, the standard precipitation adjustment factor was applied:

$$E_{ext} = E [(365 - P)/365]$$

where:

- 0.83 = E (Emission Factor, lb/VMT)
- 30 = P, number of days in a year with at least 0.254 mm (0.01 in) of precipitation

0.76 E_{ext} = emission factor with precipitation adjustment (lb/VMT)

⁴ VMT estimated assuming 2 trips per day on the 50 miles of regularly traveled public unpaved roads in the CJPA as estimated by GBUAPCD staff. For the 2020-2030 estimate, the daily VMT is assumed to remain constant.

- 50 = miles of regularly traveled public unpaved roads in CJPA
- 2 = trips per day

Abbreviations:

CEPAM - California Emissions Projection Analysis Model	lb - pounds
CJPA - Coso Junction Planning Area	PM ₁₀ - particulate matter less than 10 microns in aerodynamic diameter
GBUAPCD - Great Basin Unified Air Pollution Control District	tpd - tons per day
GIS - geographic information system	VMT - vehicle miles traveled

App C- Inventory Update Tables

Table 4. Emission Inventory - Windblown Dust, Unpaved Roads

GBUAPCD Coso Junction PM₁₀ Maintenance Plan

National Land Use Data Set Land Use Category	Area (acres) ¹	2016 SIP Land Use Category ²	2016 SIP PM ₁₀ Emission Factor (tons/acre/yr) ²	Annual Emissions (tons/yr)	Annual Average Emissions (tons/day)
Developed	0	Urban	0.0001	0	0
Shrub/Scrub	0	Grass/Shrublands	0.0272	0	0
Forest	0	Forest	0.0034	0	0
Barren Land	1,636	Barren	0.0241	39.4	0.11
--	0	Sand Dunes	0.0481	0	0
Agriculture	0	Agricultural	0.0070	0	0
Open Water	0	--	--	--	--
Perennial Snow/Ice	0	--	--	--	--
Wetland	0	--	--	--	--
Total				39.4	0.11

Notes:

¹ Emission factor for windblown dust from unpaved roads assumed to be the same as for barren land. Area calculated assuming 675 miles of unpaved roads in the CJPA (as measured through GIS analysis) and assuming a roadway width of 20 feet.

² Emission factors and methodology consistent with the GBUAPCD 2016 Owens Valley Planning Area PM₁₀ State Implementation Plan. PM₁₀ emission factors obtained from Mansell, Gerard. 2005. *Final Revision for the Imperial Valley Fugitive Dust Emission Inventory*. Technical Memorandum to Brad Poiriez, Imperial County Air Pollution Control District. September 20.

Abbreviations:

CJPA - Coso Junction Planning Area

GBUAPCD - Great Basin Unified Air Pollution Control District

GIS - geographic information system

PM₁₀ - particulate matter less than 10 microns in aerodynamic diameter

SIP - state implementation plan

yr - year

App C- Inventory Update Tables

Table 5. Emission Inventory - Windblown Dust, Open Areas

GBUAPCD Coso Junction PM₁₀ Maintenance Plan

National Land Use Data Set Land Use Category	Area (acres) ¹	2016 SIP Land Use Category ²	2016 SIP PM ₁₀ Emission Factor (tons/acre/yr) ²	Annual Emissions (tons/yr)	Annual Average Emissions (tons/day)
Developed	2,318	Urban	0.0001	0.23	0.001
Shrub/Scrub	449,518	Grass/Shrublands	0.0272	12,227	33
Forest	17,485	Forest	0.0034	59	0.16
Barren Land	40,578	Barren	0.0241	978	3
--	0	Sand Dunes	0.0481	0	0
Agriculture	0	Agricultural	0.0070	0	0
Open Water	70	--	--	--	--
Perennial Snow/Ice	0	--	--	--	--
Wetland	28	--	--	--	--
Total				13,264	36.34

Notes:

¹ Land use areas for the CJPA derived from the National Land Use Data Set, available at <http://www.mrlc.gov/viewerjs/>. Accessed: June 2021. The estimate for barren land was adjusted to remove the acreage related to unpaved roads as emissions from those areas are accounted for in Table 4.

² Emission factors and methodology consistent with the GBUAPCD 2016 Owens Valley Planning Area PM₁₀ State Implementation Plan. PM₁₀ emission factors obtained from Mansell, Gerard. 2005. *Final Revision for the Imperial Valley Fugitive Dust Emission Inventory*. Technical Memorandum to Brad Poiriez, Imperial County Air Pollution Control District. September 20.

Abbreviations:

CJPA - Coso Junction Planning Area

GBUAPCD - Great Basin Unified Air Pollution Control District

PM₁₀ - particulate matter less than 10 microns in aerodynamic diameter

SIP - state implementation plan

yr - year

App C- Inventory Update Tables

Table 6. Emission Inventory - Mobile Sources

GBUAPCD Coso Junction PM₁₀ Maintenance Plan

Annual Average PM₁₀ Emissions (tpd) - Inyo County¹											
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
On-Road Mobile Emissions	0.159	0.158	0.155	0.155	0.155	0.155	0.154	0.154	0.154	0.154	0.154
<i>Tire Wear</i>	<i>0.026</i>	<i>0.026</i>	<i>0.026</i>	<i>0.026</i>	<i>0.026</i>	<i>0.026</i>	<i>0.026</i>	<i>0.026</i>	<i>0.026</i>	<i>0.027</i>	<i>0.027</i>
<i>Brake Wear</i>	<i>0.117</i>	<i>0.118</i>	<i>0.118</i>	<i>0.118</i>	<i>0.118</i>	<i>0.118</i>	<i>0.118</i>	<i>0.119</i>	<i>0.119</i>	<i>0.119</i>	<i>0.119</i>
<i>Total Exhaust</i>	<i>0.016</i>	<i>0.014</i>	<i>0.012</i>	<i>0.011</i>	<i>0.010</i>	<i>0.010</i>	<i>0.009</i>	<i>0.009</i>	<i>0.009</i>	<i>0.008</i>	<i>0.008</i>
Annual Average PM₁₀ Emissions (tpd) - Coso Junction Planning Area²											
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
On-Road Mobile Emissions	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010

Notes:

¹ Emissions for Inyo County obtained from EMFAC2017. Available at: <https://arb.ca.gov/emfac/2017/>. Accessed: June 2021.

² Emissions for the CJPA estimated at 6.5% of the total Inyo County emissions, a percentage equivalent to the fraction of total county paved roads in the CJPA as measured through GIS analysis.

Abbreviations:

CEPAM - California Emissions Projection Analysis Model

CJPA - Coso Junction Planning Area

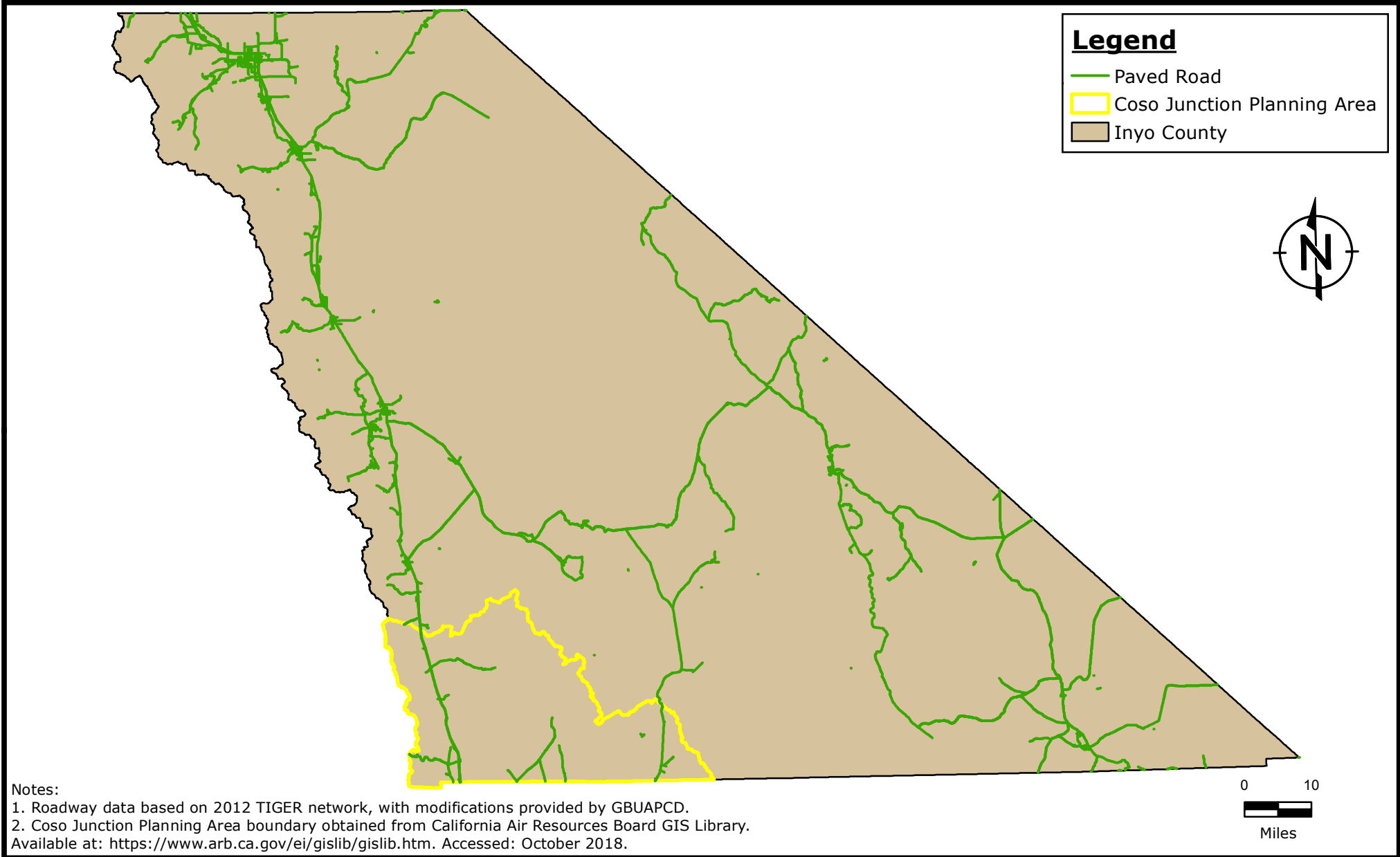
GIS - geographic information system

PM₁₀ - particulate matter less than 10 microns in aerodynamic diameter

tpd - tons per day

App C-Inventory Update Figures

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Paved Roadways in Inyo County and the Coso Junction PM10 Planning Area

Inyo County, California

FIGURE
1

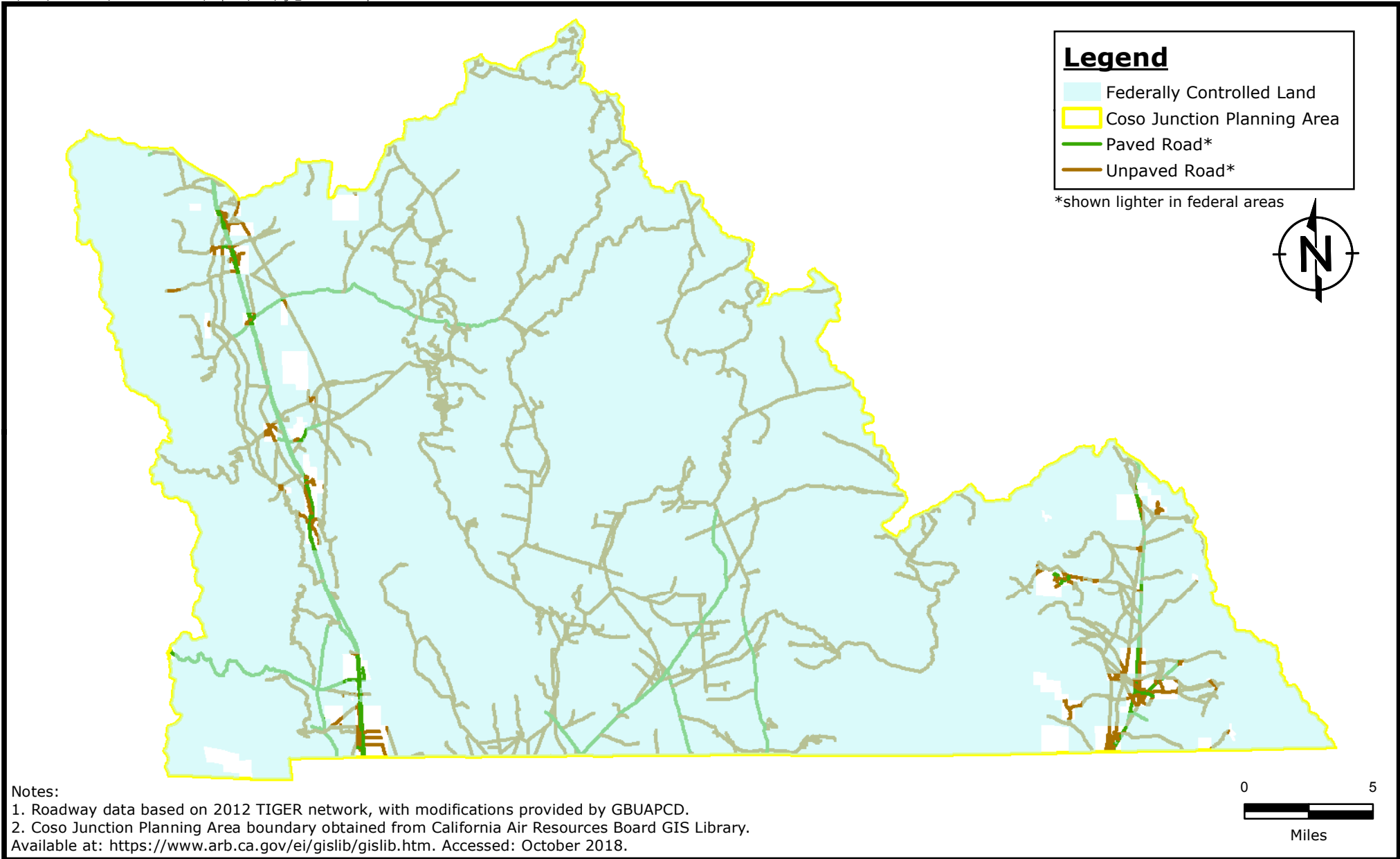
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DATE: 6/3/2021

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App C-Inventory Update Figures

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Paved and Unpaved Roads and Federally Controlled Land in the Coso Junction PM10 Planning Area

Inyo County, California

FIGURE
2

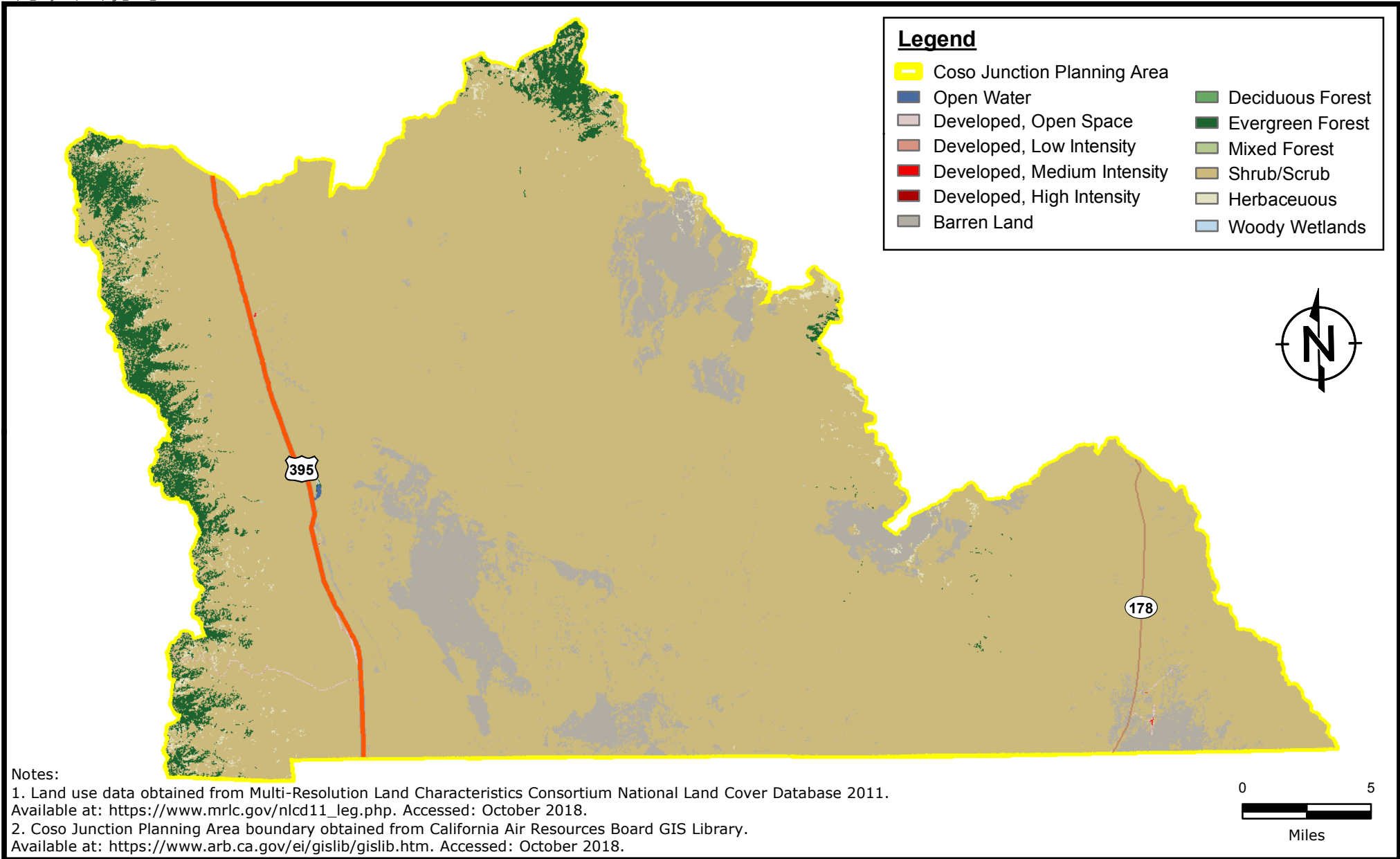

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DATE: 6/3/2021

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App C-Inventory Update Figures

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DRAFTED BY: R. Case DATE: 10/16/2018

Land Use Types in the Coso Junction PM10 Planning Area

Inyo County, California

**FIGURE
3**

1690008824-002

RULE 433. CONTROL OF PARTICULATE EMISSIONS AT OWENS LAKE

Adopted: 04/13/2016

The purpose of this regulation is to effectuate a regulatory mechanism under the federal Clean Air Act to attain the National Ambient Air Quality Standards (“NAAQS”) and to implement the Stipulated Judgment between the Great Basin Unified Air Pollution Control District (“District”) and the City of Los Angeles (“City”) dated December 30, 2014 and entered by the Superior Court of the State of California, County of Sacramento. This regulation does not alter or supersede any provision in the Stipulated Judgment, nor does it relieve any party from full compliance with the requirements of the Stipulated Judgment. This regulation sets the basic requirements for the Best Available Control Measures (“BACM”) and defines the areal extent of these controls at Owens Lake, California required in order to meet the NAAQS. This regulation does not preclude the City or the District from implementing more stringent or additional mitigation pursuant to the Stipulated Judgment.

A. DEFINITIONS

1. “BACM PM₁₀ Control Areas” are areas on the dried bed of Owens Lake at or below the Regulatory Shoreline elevation of 3,600 feet and at or above Owens Lake’s ordinary high water elevation of 3,553.55 feet on which BACM PM₁₀ Control Measures shall be implemented, and

BACM PM₁₀ Control Areas are:

- a. Areas, as shown on the map in Exhibit 1 – Dust Control Area Map, including:
 - i. 29.8 square miles of the Owens Lake Bed with approved BACM PM₁₀ Control Measures (“2003 Dust Control Area”);
 - ii. 13.2 square miles of the Owens Lake Bed with approved BACM PM₁₀ Control Measures, except for Eligible Cultural Resource Areas where PM₁₀ BACM selection and implementation dates will be deferred as set forth in Paragraph C.3. (“2006 Dust Control Area” and “Channel Area”);
 - iii. 2.0 square miles of the Owens Lake Bed with approved BACM PM₁₀ Control Measures (“Phase 8 Area”);
 - iv. 3.62 square miles of the Owens Lake Bed with approved BACM PM₁₀ Control Measures to be installed by December 31, 2017, except for Eligible Cultural Resource Areas, where PM₁₀ BACM selection and implementation dates will be deferred as set forth in Paragraph C.3. (“Phase 9/10 Area”); and
 - b. Additional areas as designated pursuant to Section C., “CONTINGENCY MEASURES” of this rule.
2. “BACM PM₁₀ Control Measures” are best available control measures designed to reduce PM₁₀ emissions to Control Efficiency (“CE”) levels specified below through compliance with performance standards specified in Attachment A or in specific control measure definitions below. The following BACM PM₁₀ Control Measures are approved to be used.

- a. "BACM Shallow Flooding" means the application of water to the surface of the lake bed in accordance with the performance standards for shallow flooding in Attachment A, Section I - Performance Requirements for BACM Shallow Flooding. Water shall be applied in amounts and by means sufficient to meet a CE level of 99% or CE targets for Minimum Dust Control Efficiency Areas.
- b. "Tillage with BACM (Shallow Flood) Backup or TWB²" means the roughening of a soil surface using mechanical methods in accordance with the specifications in Attachment A, Section IV – Performance Requirements for Tillage with BACM Back-up, and to utilize BACM shallow flooding as a back-up control method in order to prevent NAAQS violations. BACM Shallow Flooding must be implemented in TWB² areas if the erosion threshold as defined in Paragraph A.2.h is exceeded. Water shall be applied in amounts and by means sufficient to meet the CE level of 99% or CE targets for Minimum Dust Control Efficiency areas.
- c. "Brine BACM" means the application of brine and the creation of wet and/or non-emissive salt deposits sufficient to meet the CE level of 99% as described in Attachment A, Section V – Performance Requirements for Brine BACM. BACM Shallow Flooding must be implemented in Brine BACM areas if the erosion threshold as defined in Paragraph A.2.h is exceeded.
- d. "BACM Managed Vegetation" means planting surfaces of the BACM PM₁₀ Control Areas with protective vegetation to meet the CE level of 99% by maintaining overall average vegetation cover of at least 37% for each contiguous Managed Vegetation area and an areal distribution based on vegetation cover thresholds and grid size.
- e. "BACM Gravel Blanket" means the application of a layer of gravel sufficient to meet the CE level of 100% by covering the control area with
 - a layer of gravel at least four inches thick with gravel screened to a size greater than ½ inch in diameter, or
 - a layer of gravel at least two inches thick with gravel screened to ½ inch in diameter underlain with a permanent permeable geotextile fabric.
- e. "Dynamic Water Management or DWM" is a BACM Shallow Flooding operational modification that allows delayed start dates and/or earlier end dates required for shallow flooding in specific areas that have historically had low PM₁₀ emissions within the modified time periods. The truncated dust control periods allows for water savings while achieving the required CE level. Areas eligible for the DWM program and their modified start and/or end dates for shallow flooding are identified in Attachment A, Section VI – Performance Requirements for Dynamic Water Management. If any DWM area becomes susceptible to wind erosion outside of the modified dust control period the area will be required to be flooded to meet the required CE for that area. BACM Shallow Flooding must be implemented in DWM areas if the erosion threshold as defined in Paragraph A.2.h is exceeded.
- g. "Minimum Dust Control Efficiency or MDCE" BACM is a dust control measure for which the control efficiency target is adjusted to match the required control level based on air quality modeling for the 2006 dust control areas as shown on the map in Exhibit 2 – Dust Control Efficiency Requirements. The control efficiency targets may be less than 99%, but the level of control in all areas is intended to prevent exceedances of the NAAQS. MDCE BACM includes:

minimum 37% average vegetation cover target and areal distribution requirements by December 31, 2017.

3. For the Phase 8 Area consisting of 2.0 square miles the City shall continue to operate and maintain BACM Gravel Blanket.
4. For the Phase 9/10 Project Area consisting of 3.62 square miles the City shall select and install BACM PM₁₀ Control Measures by December 31, 2017, except for ECR Areas, where PM₁₀ BACM selection and implementation dates will be deferred as set forth in Paragraph C.3.
5. In areas containing infrastructure capable of achieving and maintaining compliant BACM Shallow Flooding the City may implement TWB², Brine Shallow Flooding or Dynamic Water Management as alternatives to BACM Shallow Flooding or MDCE BACM shallow flooding.

C. CONTINGENCY MEASURES

1. At least once each calendar year, the District shall determine whether additional areas of the lake bed require BACM PM₁₀ Control Measures in order to attain or maintain the PM₁₀ NAAQS.
2. If the District has not demonstrated attainment with the PM₁₀ NAAQS on or before December 31, 2017, or has not met reasonable further progress milestones, the District shall order the City to apply one or more BACM PM₁₀ Control Measures as set forth in Paragraphs A.2 and C.4 on those areas of the Owens Lake bed that cause or contribute to exceedances of the PM₁₀ NAAQS.
3. If monitoring and/or modeling demonstrates BACM PM₁₀ Control Measures are needed in an ECR Area(s) to attain or maintain the PM₁₀ NAAQS after BACM PM₁₀ Control Measures are implemented in adjacent areas, the District shall order the City to select and implement BACM PM₁₀ Control Measures set forth in Paragraph A.2.
4. The District may order the City to implement, operate and maintain a total of up to 53.4 square miles of waterless or water-neutral BACM PM₁₀ Control Measures on the Owens Lake bed below the Regulatory Shoreline (elev. 3,600 feet) and above the ordinary high water level of Owens Lake (elev. 3,553.55 feet).
5. As expeditiously as practicable and not more than three years after any such order for additional BACM PM₁₀ Control Measures, the City shall install, operate and maintain BACM PM₁₀ Control Measures that achieve a control efficiency of 99%. If BACM Managed Vegetation is chosen up to two additional years for vegetation growth is allowed to achieve the 37% vegetation cover requirement.

EXHIBIT 1 – Dust Control Area Map

EXHIBIT 2 – Dust Control Efficiency Requirements

EXHIBIT 3 – Shallow Flood Control Efficiency and Wetness Cover Curve

ATTACHMENT A – Performance Requirements for BACM



Exhibit 1 - PM10 Dust Control Areas

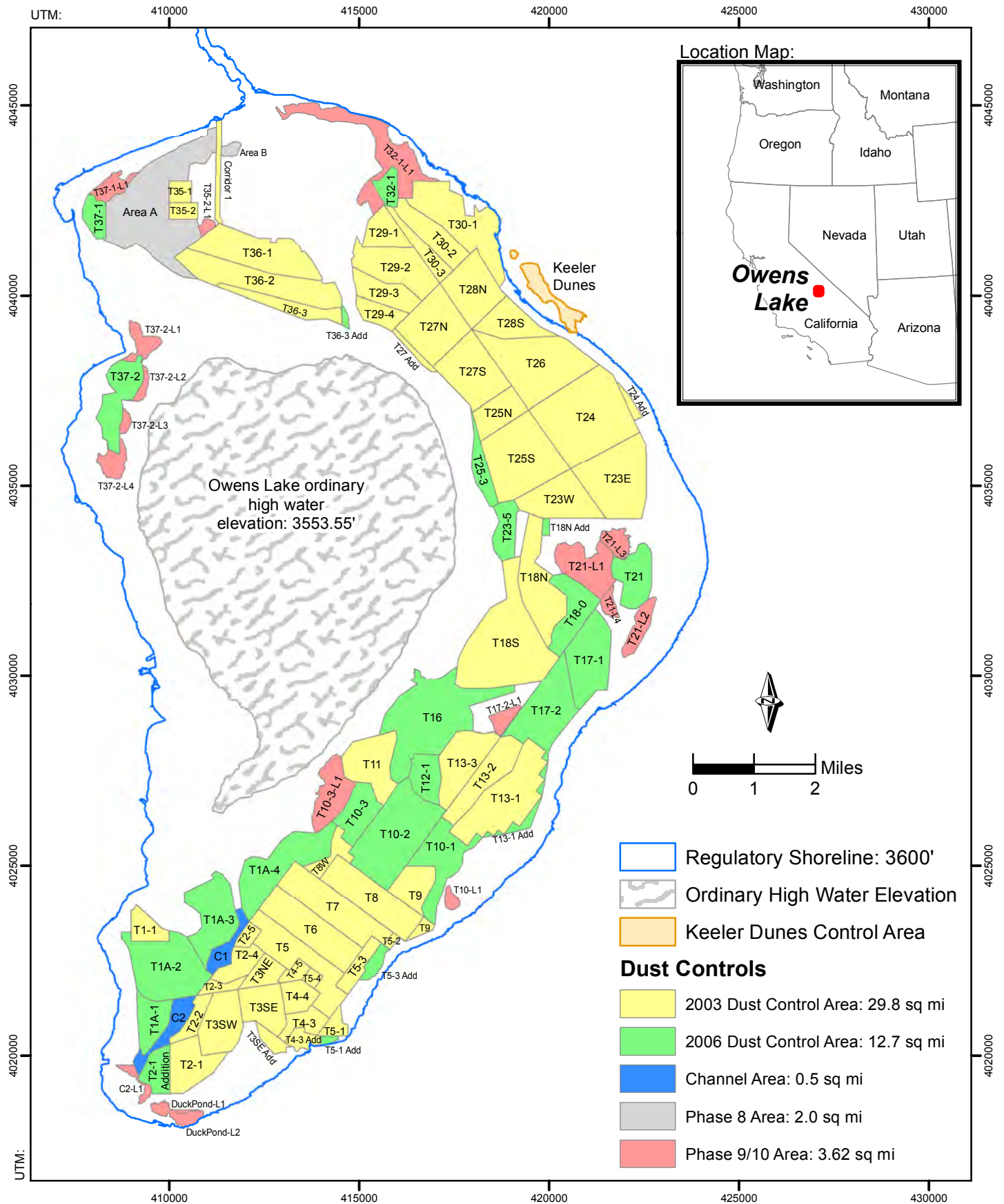




Exhibit 2 - Dust Control Efficiency Map

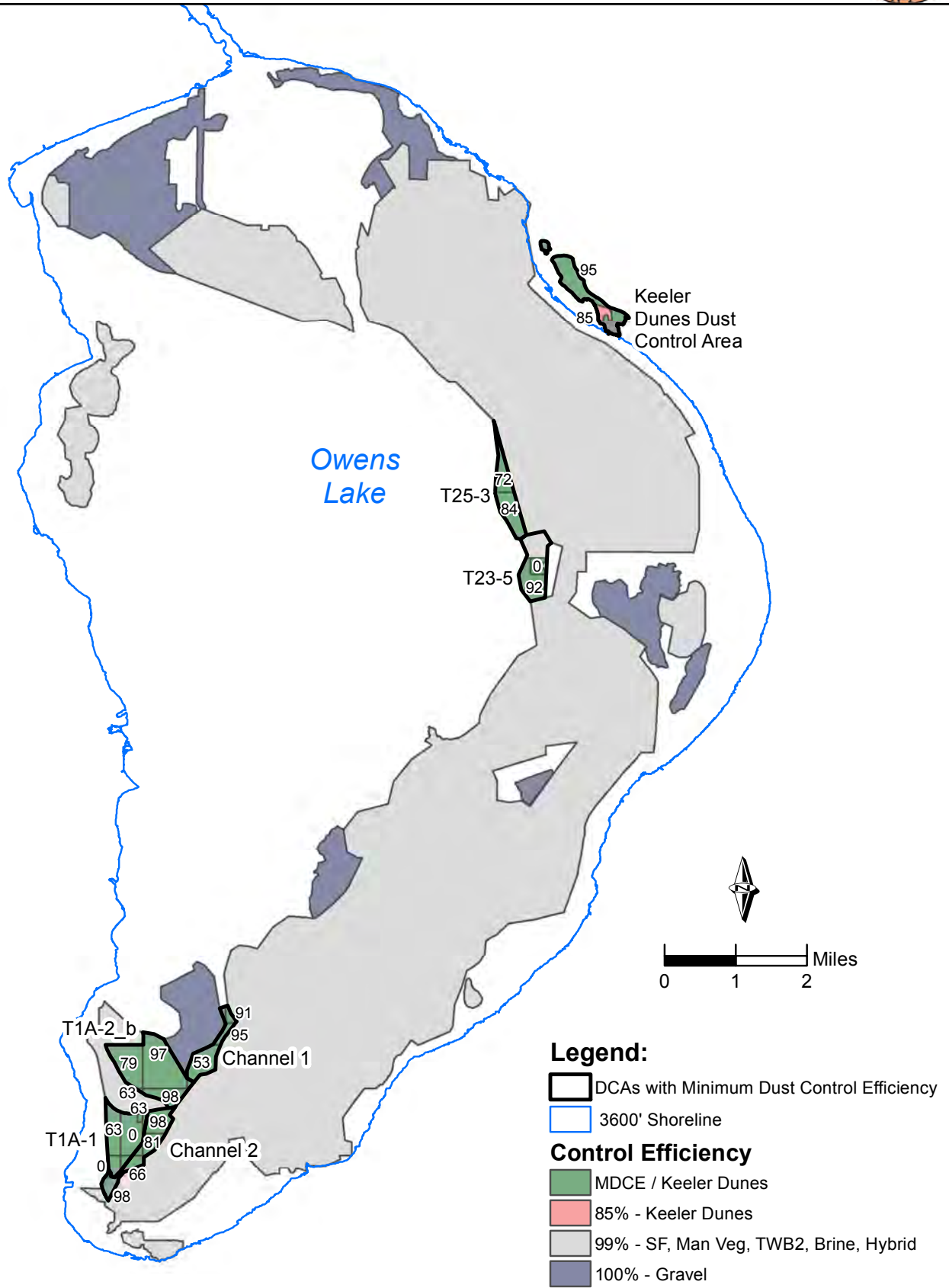
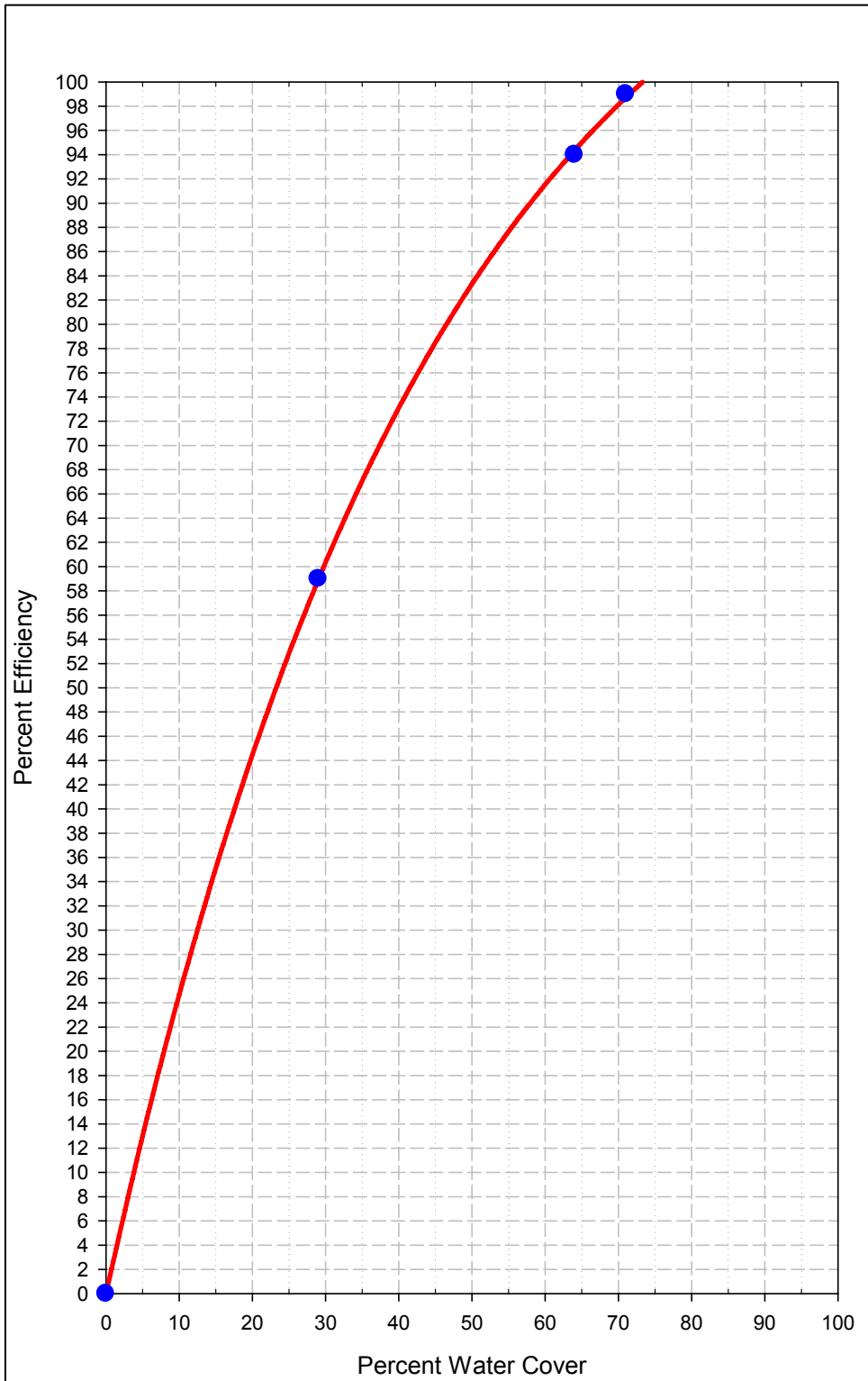


Exhibit 3 - Shallow Flood control efficiency curve



Rule 433 – Attachment A
Performance Requirements for BACM

I. BACM Shallow Flooding

- A. The “BACM Shallow Flooding” PM₁₀ control measure will apply water to the surface of those areas of the lake bed where shallow flooding is used as a PM₁₀ control measure. Water shall be applied in amounts and by means sufficient to achieve the performance standards set forth in Paragraphs I.B and I.C of this attachment. The dates by which BACM Shallow Flooding areas are to comply with these performance standards may be modified by the Dynamic Water Management provisions set forth in Rule 433.A.2.f and Paragraph VI.B.
- B. For all BACM Shallow Flooding areas except those within the 2006 DCA:
1. At least 75 percent of each square mile designated as BACM Shallow Flooding areas shall continuously consist of standing water or surface-saturated soil, substantially evenly distributed for the period commencing on October 16 of each year, and ending on May 15 of the next year. For these BACM Shallow Flood dust control areas, 75 percent of each entire contiguous area shall consist of substantially evenly distributed standing water or surface- saturated soil.
 2. Beginning May 16 and through May 31 of every year, shallow flooding areal wetness cover may be reduced to a minimum of 70 percent.
 3. Beginning June 1 and through June 15 of every year, shallow flooding areal wetness cover may be reduced to a minimum of 65 percent.
 4. Beginning June 16 and through June 30 of every year, shallow flooding areal wetness cover may be reduced to a minimum of 60 percent.
- C. For BACM Shallow Flooding areas within the 12.7 square-mile 2006 DCA:
1. The percentage of each area that must have substantially evenly distributed standing water or surface-saturated soil shall be based on the Shallow Flood Control Efficiency Curve (Exhibit 3) to achieve the control efficiency levels in the Minimum Dust Control Efficiency (MDCE) Map (Exhibit 2).
 2. For only those BACM Shallow Flooding areas with control efficiencies of 99 percent or more:
 - a. Beginning May 16 and through May 31 of every year, shallow flooding areal wetness cover may be reduced to a minimum of 70 percent.

- b. Beginning June 1 and through June 15 of every year, shallow flooding areal wetness cover may be reduced to a minimum of 65 percent.
- c. Beginning June 16 and through June 30 of every year, shallow flooding areal wetness cover may be reduced to a minimum of 60 percent.

II. BACM Managed Vegetation

The “BACM Managed Vegetation” PM₁₀ control measure requires planting surfaces of the BACM PM₁₀ control areas with protective vegetation to meet the control efficiency level of 99% by maintaining an overall average vegetation cover of 37% for each contiguous managed vegetation area.

III. BACM Gravel Blanket

The BACM Gravel Blanket” PM₁₀ control measure requires the application of a layer of gravel sufficient to meet the control efficiency level of 100% by one of the following means:

- covering 100% of the control area with a layer of gravel at least four inches thick with gravel screened to a size greater than ½ inch in diameter, or
- covering 100% of the control area with a layer of gravel at least two inches thick with gravel screened to ½ inch in diameter underlain with a permanent permeable geotextile fabric.

IV. Tillage with BACM (Shallow Flood) Backup (or TWB²)

A. The City of Los Angeles (“City”) may implement or transition BACM Shallow Flood areas to “Tillage with BACM (Shallow Flood) Back-up (TWB²),” which shall consist of (1) soil tilling within all or portions of BACM Shallow Flood PM₁₀ control areas (TWB² Areas), and (2) the installation of all necessary shallow flood infrastructure so that the TWB² Areas can be shallow-flooded if the erosion threshold is exceeded or the performance criteria are not met.

B. Construction of TWB² Areas

1. Tillage shall create rows and furrows in roughly east to west directions in order to create maximum surface roughness for winds from the north and south. Additional roughness to protect surfaces from west winds shall be created in tilled areas

sufficient to prevent emissions from east and west winds.

2. The tilled surfaces will also be armored with soil clods of 1/2 inch diameter or larger covering 60 percent or more of the tilled surface.
3. TWB² areas shall be constructed with ridge heights (RH) averaged on 40-acre blocks at or above 1.25 feet (furrow depth to ridge top difference at least 2.5 feet) and row spacing (RS) sufficient to provide a ratio of the row spacing to ridge height (RS/RH) below 10, e.g. distance between rows is 12.5 feet with average ridge height greater than 1.25 feet.

C. Monitoring and Maintenance

1. Surface Roughness

- a. Lidar, aerial photography or other field measurement methods with equivalent accuracies will be used by the City to measure RS/RH ratio and ridge height. Roughness measurements will be made in the north-to-south direction --- the direction of the primary dust producing winds. Roughness measurements may also be made in other directions. Roughness measurements will be reported to the APCO within 30 days of measurement.
- b. The RS/RH ratio and ridge height measurements will be made at 6 month, or more frequent, intervals. Inverse roughness and ridge height for a TwB² Area will be tracked and plotted as a function of time. Where feasible, field measurements may also be taken to confirm Lidar or other remotely sensed results. The City will conduct roughness measurements at least once every 6 months and report the measurements within 30 days to the APCO. The District reserves the right to conduct its own roughness measurements at any time.
- c. Assuming that degradation of the tilled ridges may occur over time, tillage maintenance will be performed by the City if the average RS/RH roughness ratio is between 10.1 and 12.0 or if the average ridge height is less than 1.1 feet in a tilled area.
- d. The City shall re-flood a TWB² area to comply with the required BACM Shallow Flood control efficiency for the area if the RS/RH ratio is greater than 12.0 (12/1) or the ridge height falls below 1.0 feet for any defined 40-acre averaging area.
- e. The City shall measure clod coverage using the point-intercept method (U.S. Bureau of Land Management, Sampling Vegetation Attributes, Method G,

Technical Reference BLM/RS/ST-96/002+1730) or other field measurement methods with equivalent accuracy. Clod cover will be measured concurrently with surface roughness at least once every 6 months and reported to the APCO within 30 days of measurement.

2. Sand Flux

- a. The City shall monitor each TWB² area with at least four Sensits and Cox sand catchers (CSCs) with inlets set at 15 cm above untilled surfaces (circular pads with 3 m radius) in the general northern, southern, eastern and western portions of a tillage. In TWB² areas greater than 320 acres the City shall install one Sensit and CSC pair per 80 acres.
- b. The City will pair CSCs with Sensits, radio equipment and dataloggers programmed to record 5-minute sand motion data. All Sensit data will be reported daily to the District. Sand motion data from the CSCs and Sensits will be processed to track sand flux at each site.
- c. All sand flux monitoring equipment will be installed prior to the start of tillage activities.
- d. High sand flux values recorded during maintenance activities or from non-tillage sand flux sources shall be excluded from the sand flux data. Maintenance activities and non-tillage sand flux sources may include, but are not limited to, rain-splatters, bugs, adjacent grading and road construction activities, as well as vehicle traffic. Sensits should be placed so as to minimize impacts from non-tillage sand flux sources.
- e. When (other than during maintenance activities taking place in the “tillage area” which is defined as the tilled portion of the TWB² area) the sand flux exceeds 0.50 g/cm²/day, the City will perform maintenance in the tillage area, which may include surface wetting, re-establishment of the surface roughness, or full or partial reflooding of a TWB².

3. PM₁₀ Monitoring

- a. Each TWB² area will be assigned upwind and downwind PM₁₀ monitors (not necessarily at the TwB² Area boundary) to monitor PM₁₀ emissions from the tillage area. For a given wind direction, the downwind monitors shall be within

22 degrees ($\pm 11.5^\circ$) of the upwind monitors. Upwind/downwind monitor assignments will be requested by the City and approved by the APCO. Existing monitors operated by the District may be used as upwind/downwind monitors. Additional EPA reference and equivalent method PM₁₀ monitors (40 CFR Part 53) shall be operated by the City, unless mutually agreed otherwise.

- b. If a monitor is operated by the City, its operation and maintenance must follow District procedures and data collection must be incorporated into the District communications network. The District reserves the right to audit monitors and monitoring data collected by the City. The District also reserves the right to install and operate or require the City to install and operate additional PM₁₀ monitors to adequately monitor the PM₁₀ emissions coming from tilled areas.
 - c. All PM₁₀ monitoring equipment will be in place as soon as practicable as shallow flood areas dry, but no later than the start of tillage activities.
 - d. Impacts caused by maintenance activities and non-tillage sources shall be excluded from the PM₁₀ data. Maintenance activities and non-tillage PM₁₀ sources may include, but are not limited to, adjacent grading and road construction activities, as well as vehicle traffic. PM₁₀ monitors should be placed so as to minimize impacts from non-tillage sources.
 - e. When the daily downwind to upwind PM₁₀ concentration difference for any dust event (other than during maintenance activities in the tillage area) exceeds 50 $\mu\text{g}/\text{m}^3$ and there is no evidence to show that the additional downwind PM₁₀ did not come from the TWB² Area, maintenance will be performed in the tillage area.
4. Induced Particulate Erosion Test
- a. The Induced Particulate Erosion Test (IPET) method will be used to determine if tilled area surfaces are starting to become emissive. The IPET method uses a small radio-controlled helicopter-type craft (Radio-Controlled Wind Induction Device or RCWInD) to create wind on the surface. Each RCWInD craft shall be pre-tested to determine the test height above the surface (H_t) at which the craft creates a target maximum horizontal wind speed (TWS) measured at 1 centimeter ($U_{0.01}$) above a flat surface equal to 11.3 meters per second (m/s). If the payload on a craft is changed, e.g. a different camera is used, then H_t must be re-

determined for the new payload since it will affect the amount of thrust needed to keep the RCWInD aloft.

- b. Testing to determine H_t and TWS will be done on a smooth flat surface, e.g. concrete or asphalt pavement or plywood test platform with calm ambient winds (< 2 m/s). H_t is measured from the bottom of the rotor blade to the surface. The maximum wind speed for any flight height is taken at a height one centimeter above the surface at a point that is one rotor blade length away from the point beneath the center of the fastest rotor blade taken on a line extending outward from the rotor arm. The wind speed measurement is taken with a pitot tube pointing toward the center of the rotor blade. The RCWInD must be flown in a stationary position to get a sustained wind speed measurement.
- c. When the craft is flown over a ridged surface H_t is measured from the bottom of the craft's rotor blades to the highest surface projection anywhere directly below the craft.
- d. Three erosion alert levels are set using the IPET method: 1) an early warning of possible clod and surface stability deterioration, 2) a warning level to alert the City of a potential breakdown of the surface stability and to advise voluntary maintenance efforts, and 3) a mitigation action level to require re-tilling and/or re-flooding of all or part of a TWB^2 , DWM or Brine BACM Area.
- e. The IPET method will be used to determine erosion alert levels as follows:
 - Level 1 – An erosion early warning is indicated when any visible dust is observed to be emitted from a surface or particles are dislodged when the RCWInD is flown at a height below one half of H_t . Voluntary mitigation may be appropriate to prevent further surface degradation.
 - Level 2 – An erosion warning is indicated when any visible dust is observed to be emitted from a surface when the RCWInD is flown at a height below H_t and above one half of H_t . Voluntary mitigation is advised to prevent further surface degradation.
 - Level 3 – Mitigation action is required if visible dust is observed to be emitted from a surface when the RCWInD is flown at a height of H_t or higher.

D. The City shall re-flood TWB^2 areas to comply with the BACM Shallow Flood control

efficiency target for that area, if either of the following erosion thresholds are exceeded as determined using the sand flux and IPET measurements described in Paragraphs IV.C.2 and IV.C.4.

1. Sand flux measured at 15 cm above the surface exceeds 1.0 gram per square centimeter per day, or
2. Induced Particulate Erosion Test method shows visible dust emissions when operated at the reference test height, H_t .

V. Brine BACM

A. Stable surfaces for Brine BACM shall be defined as consisting of standing water, evaporite salt deposit, and capillary brine salt crust as follows:

1. Water: Standing water or hydrologically saturated surface as defined by BACM Shallow Flooding, regardless of salinity level.
2. Evaporite Salt Deposit: A crystalline deposit of salt minerals precipitated on the surface of the lakebed from evaporation of Owens Lake brine. The evaporite salt deposit does not include the development of salt crust by upward capillary movement of saline fluids through the soil column. The evaporite salt deposit must have an average thickness of 1.5 centimeters or greater and may be either wet or dry.
3. Capillary Brine Salt Crust: A crust enriched in salt minerals formed at the soil surface by upward capillary movement of water through the soil. The capillary brine crust typically consists of a mix of salt minerals and soil particles in various proportions, and must meet the following three conditions:
 - a. The capillary brine salt crust within a Brine BACM area must have an average thickness of 10 centimeters or greater and may be either wet or dry,
 - b. a capillary brine salt crust must be accompanied by either water and/or an evaporite salt deposit, and
 - c. the proportion of qualifying capillary brine crust within a Brine BACM area cannot exceed one-third of the required total compliant cover within a Brine BACM area.

B. Each Brine BACM area shall be operated such that the total areal extent of the surface cover of the qualifying surfaces are maintained such that they meet or exceed those as

defined by the Shallow Flooding Control Efficiency Curve in Exhibit 3. The combined mosaic of stable Brine BACM surfaces shall cover the entire dust control area.

- C. Brine BACM can be used by the City of Los Angeles (City) throughout the Owens Lake bed where backup BACM Shallow Flood infrastructure exists and can be implemented, as set forth in this protocol, to ensure that Brine BACM areas do not cause or contribute to exceedance of the NAAQS for PM₁₀.
- D. The boundaries for each Brine BACM area will be pre-defined by the City prior to implementation. Each Brine BACM area will be monitored separately to determine compliance with required surface cover conditions.
- E. The City will monitor each Brine BACM area with at least one sand flux monitor (SFM) site instrumented with paired Cox Sand Catchers (CSCs) and Sensits with inlets positioned 15 cm above the surface, radio equipment, and dataloggers programmed to record 5-minute sand motion data. SFM sites will primarily be located in portions of Brine BACM areas covered with a capillary crust. All Sensit data will be reported daily to the District. Sand motion data from the CSCs and Sensits will be processed to track sand flux at each site.
- F. Brine BACM areas will be monitored using the IPET method following the procedures used for Tillage with BACM Back-up areas in Paragraph IV.C.4.
- G. The City shall re-flood Brine BACM areas to comply with the BACM Shallow Flood control efficiency target for that area, if either of the following erosion thresholds are exceeded as determined using the sand flux and IPET measurements described in Paragraphs IV.C.2 and IV.C.4.
 - 1. Sand flux measured at 15 cm above the surface exceeds 5.0 grams per square centimeter per day, or
 - 2. Induced Particulate Erosion Test method shows visible dust emissions when operated at the reference test height, H_t .

VI. Dynamic Water Management

- A. Areas that are eligible for Dynamic Water Management (DWM) must meet the following sand flux history criteria:
 - 1. 5 years or more of sand flux data from before dust control implementation, and

2. The frequency of significant sand flux (≥ 5 g/cm²/day) taking place outside of the modified shallow flood dust control period did not occur in more than one calendar year over any continuous six year period.
- B. The modified dust seasons for DWM have three different start dates in the beginning of the season that reflect the delayed start of source area activity across the lakebed. The modified start dates are applicable to certain dust control areas based on the sand flux history as evaluated in Paragraph VI.A and the method of shallow flooding using conventional flooding or sprinkler irrigation.
1. For areas shallow flooded by methods other than sprinkler irrigation, the standard and modified dust control periods are:
Standard Dust Season
October 16 to June 30 (with ramping of 99% control areas after May 15)
Modified Dust Seasons for Dynamic Water Management
October 16 – April 30
December 1 – April 30
January 16 – April 30
 2. For eligible areas that are shallow flooded with sprinkler irrigation, the modified DWM seasons shall be adjusted to provide water two weeks earlier in the beginning of the dust season to simulate ramp up as applied in conventional BACM Shallow Flood areas and one month later at the end of the dust season due to the lack of wetness during the dry down period with conventional BACM Shallow Flood areas. The adjustments to the DWM seasons for sprinkler irrigated shallow flooding areas are provided below.
Modified Dust Seasons Adjusted for Sprinkler Irrigated Shallow Flooding Areas
October 16 – May 31
November 16 – May 31
January 1 – May 31
 3. In areas approved for DWM, the City of Los Angeles (City) shall meet the shallow flood control efficiency and wetness targets indicated in Exhibits 2 and 3 by or before the applicable start dates in Paragraph VI.B and water may be shut off with no spring ramping at the end of the modified season.
- C. Each DWM area will be instrumented by the City with sand flux monitoring (SFM) sites

using paired Sensits and Cox Sand Catchers (CSCs) during the modified start and end periods. The locations of SFM sites shall be determined by the City in coordination with the District.

1. The number of SFM sites at the modified start of the dust season will be proportional to the areal extent of the DWM area. All DWM areas will require at least one SFM site however; the APCO may require proportionally more SFM sites for DWM areas greater than 320 acres such that there is approximately one SFM site per 160 acres of DWM area.
2. During the modified end period of the dust season, the LADWP shall install SFM sites incrementally in stages as a DWM area dries. The number of SFM sites is provided in Table 1 below.

Table 1. Number of SFM sites required per DWM area during the modified end of the dust season.

Drying Stage	Exposed Lakebed	Number of SFM sites
1	Less than 50 acres	0
2	50 – 160 acres	1
3	>160 acres	1 per every 160 acres

3. The City will pair CSCs with Sensits with inlets positioned at 15 cm above the surface, radio equipment and dataloggers programmed to record 5-minute sand motion data. All Sensit data will be reported daily to the District. Sand motion data from the CSCs and Sensits will be processed to track sand flux at each site.
4. During the modified start of the dust season all sand flux monitoring equipment will be placed by the City no later than October 16. During the modified end of the dust season all SFM sites will be placed by the City within 7 calendar days of reaching each drying stage. The City shall inform the District of all SFM site installations within 7 days of installation.
5. SFM sites installed for monitoring in the modified beginning dust season may be removed from a DWM area once the modified dust season has started for each DWM area or once the site location is endanger of getting flooded. The City shall inform the District of all SFM site removals within 7 calendar days of their removal

- date. SFM sites installed for monitoring of the modified end of the dust season may be removed from a DWM area after June 30.
- D. DWM areas will be monitored using the IPET method following the procedures used for Tillage with BACM Back-up areas in Paragraph IV.C.4.
- E. The City shall re-flood a DWM area or sub-area as indicated by the available information to comply with the BACM Shallow Flood control efficiency target for that area, if either of the following erosion thresholds are exceeded as determined using the sand flux and IPET measurements described in Paragraphs IV.C.2 and IV.C.4.
1. Sand flux measured at 15 cm above the surface exceeds 5.0 grams per square centimeter per day, or
 2. Induced Particulate Erosion Test method shows visible dust emissions when operated at the reference test height, H_t .
- F. If any DWM area exceeds either erosion threshold in Paragraph VI.E in more than one calendar year over any continuous six-year period, that area will revert to the standard BACM Shallow Flood dust season as shown in Paragraph VI.B.1 since the area will no longer meet the DWM criteria in Paragraph VI.A.