

Table 3H-2. Summary of Recent Particulate Matter Monitoring Data for the Mono Basin Area

Monitoring Station	Parameter	Total Suspended Particulate Matter (TSP)										Inhalable Particulate Matter (PM ₁₀)											
		1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1984	1985	1986	1987	1988	1989	1990	1991	
Lee Vining - 6 NNW	Peak 24-hour value (Fg/m ³)	100	131	32																			
	Annual geometric mean (Fg/m ³)	21.7	14.6	9.4																			
	Annual arithmetic mean (Fg/m ³)	ND	ND	ND																			
	Number of 24-hour samples	50	38	19																			
	% of samples above federal standard	0.0%	0.0%	0.0%																			
	% of samples above state standard	2.0%	2.6%	0.0%																			
Lee Vining - Caltrans	Peak 24-hour value (Fg/m ³)			64	60	61	97	324	100	124	70								41	37	41	78	
	Annual geometric mean (Fg/m ³)			29.5	21.2	44.9	26.1	40.4	30.5	29.3	39.4								13.7	12.0	11.7	12.5	
	Annual arithmetic mean (Fg/m ³)			ND	ND	ND	ND	ND	ND	ND	ND								15.3	13.6	13.6	15.1	
	Number of 24-hour samples			54	53	2	38	58	57	58	5								48	60	62	58	
	% of samples above federal standard			0.0%	0.0%	0.0%	0.0%	3.4%	0.0%	0.0%	0.0%								0.0%	0.0%	0.0%	0.0%	
	% of samples above state standard			0.0%	0.0%	0.0%	0.0%	12.1%	1.8%	3.4%	0.0%								0.0%	0.0%	0.0%	3.4%	
Mono Lake - Binderup	Peak 24-hour value (Fg/m ³)	481	1,825	113																			
	Annual geometric mean (Fg/m ³)	102.1	44.2	1.0																			
	Annual arithmetic mean (Fg/m ³)	ND	ND	ND																			
	Number of 24-hour samples	11	24	1																			
	% of samples above federal standard	18.2%	12.5%	0.0%																			
	% of samples above state standard	36.4%	20.8%	100.0%																			
Mono Lake - Simis	Peak 24-hour value (Fg/m ³)			10	673	20	41		17				314	230		13	58	71	272	120	100		
	Annual geometric mean (Fg/m ³)			6.5	15.6	13.4	26.2		14.9				20.6	17.8		10.0	10.7	10.9	10.3	7.7	9.6		
	Annual arithmetic mean (Fg/m ³)			ND	ND	ND	ND		ND				ND	ND		10.1	14.6	14.5	15.4	12.7	13.4		
	Number of 24-hour samples			5	34	3	7		2				107	86		8	47	44	73	117	87		
	% of samples above federal standard			0.0%	2.9%	0.0%	0.0%		0.0%				0.9%	0.0%		0.0%	0.0%	0.0%	1.4%	0.0%	0.0%		
	% of samples above state standard			0.0%	2.9%	0.0%	0.0%		0.0%				3.7%	4.7%		0.0%	2.1%	2.3%	2.7%	4.3%	5.7%		
Bodie	Peak 24-hour value (Fg/m ³)																			96	35	11	
	Annual geometric mean (Fg/m ³)																			6.0	4.4	4.4	
	Annual arithmetic mean (Fg/m ³)																			15.0	6.7	5.2	
	Number of 24-hour samples																			11	25	13	
	% of samples above federal standard																			0.0%	0.0%	0.0%	
	% of samples above state standard																			9.1%	0.0%	0.0%	
Mammoth - June Lakes	Peak 24-hour value (Fg/m ³)	400																					
	Annual geometric mean (Fg/m ³)	54.1																					
	Annual arithmetic mean (Fg/m ³)	ND																					
	Number of 24-hour samples	22																					
	% of samples above federal standard	13.6%																					
	% of samples above state standard	36.4%																					

Notes: ND = no data available.

Fg/m³ = micrograms per cubic meter.Previous federal TSP standards: 75 Fg/m³, annual geometric mean; 260 Fg/m³, 24-hour average; TSP standards changed to PM₁₀ standards in 1987.Previous state TSP standards: 60 Fg/m³, annual geometric mean; 100 Fg/m³, 24-hour average; TSP standards changed to PM₁₀ standards in 1983.Current federal PM₁₀ standards: 50 Fg/m³, annual arithmetic mean; 150 Fg/m³, 24-hour average.Current state PM₁₀ standards: 30 Fg/m³, annual geometric mean; 50 Fg/m³, 24-hour average.

Sources: California Air Quality Data 1989-1991.