

**2012 Exceedances of the 8-Hour Ozone Standard of .075 ppm by Date
(Based on Preliminary Data)**

Date	Monitor	Max 8-Hour (ppm)	Additional Information
April 17, 2012	Humboldt Mountain	0.078	
April 21, 2012	North Phoenix	0.076	
May 10, 2012	Blue Point	0.077	
	Tonto Nat'l Mon.+	0.080	
May 12, 2012	North Phoenix	0.076	
May 13, 2012	Blue Point	0.076	
	Cave Creek	0.076	
	North Phoenix	0.077	
	Tonto Nat'l Mon.+	0.078	
May 14, 2012	Blue Point	0.076	There were four major wildfires burning north and east of the region: the Gladiator, Sunflower, Elwood, and Bull Flat Fires. The Sunflower Fire was the largest fire, at 3,100 acres as of May 14, 2012, and was burning 21 miles south of Payson in the Tonto National Forest. According to the Arizona Department of Environmental Quality, ozone production was likely augmented by combustion by-products contained within the dense blanket of smoke that reached the Valley.
	Buckeye	0.078	
	Cave Creek	0.080	
	Central Phoenix	0.084	
	Dysart	0.079	
	Fountain Hills	0.083	
	Glendale	0.088	
	Humboldt Mountain	0.082	
	North Phoenix	0.091	
	Phoenix Supersite	0.083	
	South Phoenix	0.087	
	South Scottsdale	0.081	
	West Chandler	0.079	
West Phoenix	0.087		
May 20, 2012	Blue Point	0.076	
	Cave Creek	0.078	
	Central Phoenix	0.077	
	Fountain Hills	0.077	
	Humboldt Mountain	0.079	
	North Phoenix	0.082	
	Phoenix Supersite	0.076	
	South Phoenix	0.078	
	South Scottsdale	0.080	
	West Phoenix	0.076	
May 21, 2012	Blue Point	0.076	
	Cave Creek	0.078	
	Fountain Hills	0.079	
	Humboldt Mountain	0.076	
	North Phoenix	0.077	
	Tonto Nat'l Mon.+	0.076	
May 22, 2012	Blue Point	0.077	
	Humboldt Mountain	0.078	
	Tonto Nat'l Mon.+	0.079	
May 28, 2012	Cave Creek	0.077	
	Humboldt Mountain	0.082	
May 29, 2012	Blue Point	0.079	
	Fountain Hills	0.076	
	Tonto Nat'l Mon.+	0.078	
May 31, 2012	Apache Junction	0.076	
	Blue Point	0.078	
	Cave Creek	0.076	
	Fountain Hills	0.081	
	North Phoenix	0.076	
	Tonto Nat'l Mon.+	0.079	

Date	Monitor	Max 8-Hour (ppm)	Additional Information
June 1, 2012	Humboldt Mountain	0.078	
	Tonto Nat'l Mon.+	0.077	
June 2, 2012	Cave Creek	0.076	
	Humboldt Mountain	0.078	
June 6, 2012	Humboldt Mountain	0.076	
	North Phoenix	0.077	
July 10, 2012	Glendale	0.079	
	North Phoenix	0.083	
	Phoenix Supersite	0.081	
	West Phoenix	0.078	
July 11, 2012	Central Phoenix	0.076	
	North Phoenix	0.077	
	Phoenix Supersite	0.079	
	South Phoenix	0.076	
	West Phoenix	0.080	
July 12, 2012	Blue Point	0.077	
	Cave Creek	0.076	
	Central Phoenix	0.081	
	Glendale	0.084	
	North Phoenix	0.087	
	Phoenix Supersite	0.084	
	Pinnacle Peak	0.082	
	South Phoenix	0.081	
	South Scottsdale	0.086	
	Tempe	0.078	
	West Chandler	0.082	
	West Phoenix	0.087	
August 4, 2012	Central Phoenix	0.077	
	North Phoenix	0.080	
	South Scottsdale	0.078	
August 6, 2012	Glendale	0.078	
	North Phoenix	0.081	
	Phoenix Supersite	0.080	
	South Scottsdale	0.078	
	West Phoenix	0.083	
August 7, 2012	Apache Junction	0.080	
	Pinnacle Peak	0.077	
August 8, 2012	Apache Junction	0.078	
	Blue Point	0.079	
	Pinnacle Peak	0.079	
	Rio Verde	0.076	
August 9, 2012	Apache Junction	0.077	
	Blue Point	0.077	
	Cave Creek	0.081	
	Central Phoenix	0.082	
	Dysart	0.078	
	Humboldt Mountain	0.077	
	North Phoenix	0.089	
	Phoenix Supersite	0.084	
	Pinnacle Peak	0.082	
	Rio Verde	0.076	
	South Phoenix	0.078	
	South Scottsdale	0.083	
West Phoenix	0.084		

Date	Monitor	Max 8-Hour (ppm)	Additional Information
August 10, 2012	Cave Creek	0.076	
	Humboldt Mountain	0.080	
	North Phoenix	0.080	
	Pinnacle Peak	0.080	
	South Scottsdale	0.077	
	West Phoenix	0.078	
August 12, 2012	North Phoenix	0.076	
August 14, 2012	North Phoenix	0.081	
August 20, 2012	Pinnacle Peak	0.076	
August 27, 2012	West Phoenix	0.076	

+ The Tonto National Monument monitor is located outside the Eight-Hour Ozone Nonattainment Area.

**2012 Exceedances of the 8-Hour Ozone Standard of .075 ppm by Monitor
(Based on Preliminary Data)**

Monitor	Date	Max 8-Hour (ppm)	Additional Information
Apache Junction	May 31, 2012	0.076	
	August 7, 2012	0.080	
	August 8, 2012	0.078	
	August 9, 2012	0.077	
Blue Point	May 10, 2012	0.077	
	May 13, 2012	0.076	
	May 14, 2012	0.076	There were four major wildfires burning north and east of the region: the Gladiator, Sunflower, Elwood, and Bull Flat Fires. The Sunflower Fire was the largest fire, at 3,100 acres as of May 14, 2012, and was burning 21 miles south of Payson in the Tonto National Forest. According to the Arizona Department of Environmental Quality, ozone production was likely augmented by combustion by-products contained within the dense blanket of smoke that reached the Valley.
	May 20, 2012	0.076	
	May 21, 2012	0.076	
	May 22, 2012	0.077	
	May 29, 2012	0.079	
	May 31, 2012	0.078	
	July 12, 2012	0.077	
	August 8, 2012	0.079	
August 9, 2012	0.077		
Buckeye	May 14, 2012	0.078	There were four major wildfires burning north and east of the region: the Gladiator, Sunflower, Elwood, and Bull Flat Fires. The Sunflower Fire was the largest fire, at 3,100 acres as of May 14, 2012, and was burning 21 miles south of Payson in the Tonto National Forest. According to the Arizona Department of Environmental Quality, ozone production was likely augmented by combustion by-products contained within the dense blanket of smoke that reached the Valley.
Cave Creek	May 13, 2012	0.076	
	May 14, 2012	0.080	There were four major wildfires burning north and east of the region: the Gladiator, Sunflower, Elwood, and Bull Flat Fires. The Sunflower Fire was the largest fire, at 3,100 acres as of May 14, 2012, and was burning 21 miles south of Payson in the Tonto National Forest. According to the Arizona Department of Environmental Quality, ozone production was likely augmented by combustion by-products contained within the dense blanket of smoke that reached the Valley.
	May 20, 2012	0.078	
	May 21, 2012	0.078	
	May 28, 2012	0.077	
	May 31, 2012	0.076	
	June 2, 2012	0.076	
	July 12, 2012	0.076	
	August 9, 2012	0.081	
August 10, 2012	0.076		

Monitor	Date	Max 8-Hour (ppm)	Additional Information
Central Phoenix	May 14, 2012	0.084	There were four major wildfires burning north and east of the region: the Gladiator, Sunflower, Elwood, and Bull Flat Fires. The Sunflower Fire was the largest fire, at 3,100 acres as of May 14, 2012, and was burning 21 miles south of Payson in the Tonto National Forest. According to the Arizona Department of Environmental Quality, ozone production was likely augmented by combustion by-products contained within the dense blanket of smoke that reached the Valley.
	May 20, 2012	0.077	
	July 11, 2012	0.076	
	July 12, 2012	0.081	
	August 4, 2012	0.077	
	August 9, 2012	0.082	
Dysart	May 14, 2012	0.079	There were four major wildfires burning north and east of the region: the Gladiator, Sunflower, Elwood, and Bull Flat Fires. The Sunflower Fire was the largest fire, at 3,100 acres as of May 14, 2012, and was burning 21 miles south of Payson in the Tonto National Forest. According to the Arizona Department of Environmental Quality, ozone production was likely augmented by combustion by-products contained within the dense blanket of smoke that reached the Valley.
	August 9, 2012	0.078	
Fountain Hills	May 14, 2012	0.083	There were four major wildfires burning north and east of the region: the Gladiator, Sunflower, Elwood, and Bull Flat Fires. The Sunflower Fire was the largest fire, at 3,100 acres as of May 14, 2012, and was burning 21 miles south of Payson in the Tonto National Forest. According to the Arizona Department of Environmental Quality, ozone production was likely augmented by combustion by-products contained within the dense blanket of smoke that reached the Valley.
	May 20, 2012	0.077	
	May 21, 2012	0.079	
	May 29, 2012	0.076	
	May 31, 2012	0.081	
Glendale	May 14, 2012	0.088	There were four major wildfires burning north and east of the region: the Gladiator, Sunflower, Elwood, and Bull Flat Fires. The Sunflower Fire was the largest fire, at 3,100 acres as of May 14, 2012, and was burning 21 miles south of Payson in the Tonto National Forest. According to the Arizona Department of Environmental Quality, ozone production was likely augmented by combustion by-products contained within the dense blanket of smoke that reached the Valley.
	July 10, 2012	0.079	
	July 12, 2012	0.084	
	August 6, 2012	0.078	

Monitor	Date	Max 8-Hour (ppm)	Additional Information
Humboldt Mountain	April 17, 2012	0.078	
	May 14, 2012	0.082	There were four major wildfires burning north and east of the region: the Gladiator, Sunflower, Elwood, and Bull Flat Fires. The Sunflower Fire was the largest fire, at 3,100 acres as of May 14, 2012, and was burning 21 miles south of Payson in the Tonto National Forest. According to the Arizona Department of Environmental Quality, ozone production was likely augmented by combustion by-products contained within the dense blanket of smoke that reached the Valley.
	May 20, 2012	0.079	
	May 21, 2012	0.076	
	May 22, 2012	0.078	
	May 28, 2012	0.082	
	June 1, 2012	0.078	
	June 2, 2012	0.078	
	June 6, 2012	0.076	
	August 9, 2012	0.077	
August 10, 2012	0.080		
North Phoenix	April 21, 2012	0.076	
	May 12, 2012	0.076	
	May 13, 2012	0.077	
	May 14, 2012	0.091	There were four major wildfires burning north and east of the region: the Gladiator, Sunflower, Elwood, and Bull Flat Fires. The Sunflower Fire was the largest fire, at 3,100 acres as of May 14, 2012, and was burning 21 miles south of Payson in the Tonto National Forest. According to the Arizona Department of Environmental Quality, ozone production was likely augmented by combustion by-products contained within the dense blanket of smoke that reached the Valley.
	May 20, 2012	0.082	
	May 21, 2012	0.077	
	May 31, 2012	0.076	
	June 6, 2012	0.077	
	July 10, 2012	0.083	
	July 11, 2012	0.077	
	July 12, 2012	0.087	
	August 4, 2012	0.080	
	August 6, 2012	0.081	
	August 9, 2012	0.089	
August 10, 2012	0.080		
August 12, 2012	0.076		
August 14, 2012	0.081		
Phoenix Supersite	May 14, 2012	0.083	There were four major wildfires burning north and east of the region: the Gladiator, Sunflower, Elwood, and Bull Flat Fires. The Sunflower Fire was the largest fire, at 3,100 acres as of May 14, 2012, and was burning 21 miles south of Payson in the Tonto National Forest. According to the Arizona Department of Environmental Quality, ozone production was likely augmented by combustion by-products contained within the dense blanket of smoke that reached the Valley.
	May 20, 2012	0.076	
	July 10, 2012	0.081	
	July 11, 2012	0.079	
	July 12, 2012	0.084	
	August 6, 2012	0.080	
August 9, 2012	0.084		

Monitor	Date	Max 8-Hour (ppm)	Additional Information
Pinnacle Peak	July 12, 2012	0.082	
	August 7, 2012	0.077	
	August 8, 2012	0.079	
	August 9, 2012	0.082	
	August 10, 2012	0.080	
	August 20, 2012	0.076	
Rio Verde	August 8, 2012	0.076	
	August 9, 2012	0.076	
South Phoenix	May 14, 2012	0.087	There were four major wildfires burning north and east of the region: the Gladiator, Sunflower, Elwood, and Bull Flat Fires. The Sunflower Fire was the largest fire, at 3,100 acres as of May 14, 2012, and was burning 21 miles south of Payson in the Tonto National Forest. According to the Arizona Department of Environmental Quality, ozone production was likely augmented by combustion by-products contained within the dense blanket of smoke that reached the Valley.
	May 20, 2012	0.078	
	July 11, 2012	0.076	
	July 12, 2012	0.081	
	August 9, 2012	0.078	
South Scottsdale	May 14, 2012	0.081	There were four major wildfires burning north and east of the region: the Gladiator, Sunflower, Elwood, and Bull Flat Fires. The Sunflower Fire was the largest fire, at 3,100 acres as of May 14, 2012, and was burning 21 miles south of Payson in the Tonto National Forest. According to the Arizona Department of Environmental Quality, ozone production was likely augmented by combustion by-products contained within the dense blanket of smoke that reached the Valley.
	May 20, 2012	0.080	
	July 12, 2012	0.086	
	August 4, 2012	0.078	
	August 6, 2012	0.078	
	August 9, 2012	0.083	
	August 10, 2012	0.077	
Tempe	July 12, 2012	0.078	
Tonto Nat'l Mon.+	May 10, 2012	0.080	
	May 13, 2012	0.078	
	May 21, 2012	0.076	
	May 22, 2012	0.079	
	May 29, 2012	0.078	
	May 31, 2012	0.079	
	June 1, 2012	0.077	
West Chandler	May 14, 2012	0.079	There were four major wildfires burning north and east of the region: the Gladiator, Sunflower, Elwood, and Bull Flat Fires. The Sunflower Fire was the largest fire, at 3,100 acres as of May 14, 2012, and was burning 21 miles south of Payson in the Tonto National Forest. According to the Arizona Department of Environmental Quality, ozone production was likely augmented by combustion by-products contained within the dense blanket of smoke that reached the Valley.
	July 12, 2012	0.082	

Monitor	Date	Max 8-Hour (ppm)	Additional Information
West Phoenix	May 14, 2012	0.087	There were four major wildfires burning north and east of the region: the Gladiator, Sunflower, Elwood, and Bull Flat Fires. The Sunflower Fire was the largest fire, at 3,100 acres as of May 14, 2012, and was burning 21 miles south of Payson in the Tonto National Forest. According to the Arizona Department of Environmental Quality, ozone production was likely augmented by combustion by-products contained within the dense blanket of smoke that reached the Valley.
	May 20, 2012	0.076	
	July 10, 2012	0.078	
	July 11, 2012	0.080	
	July 12, 2012	0.087	
	August 6, 2012	0.083	
	August 9, 2012	0.084	
	August 10, 2012	0.078	
August 27, 2012	0.076		

+ The Tonto National Monument monitor is located outside the Eight-Hour Ozone Nonattainment Area.

Eight-Hour Ozone Monitoring Data for 2010-2012 (in ppm)*

	<u>2010</u>				<u>2011</u>				<u>2012*</u>				<u>3-Year</u>
	<u>Max</u>	<u>2nd High</u>	<u>3rd High</u>	<u>4th High</u>	<u>Max</u>	<u>2nd High</u>	<u>3rd High</u>	<u>4th High</u>	<u>Max</u>	<u>2nd High</u>	<u>3rd High</u>	<u>4th High</u>	<u>Average</u>
Apache Junction	0.078	0.077	0.075	0.073	0.079	0.075	0.075	0.075	0.080	0.078	0.077	0.076	0.074
Blue Point Bridge	0.076	0.072	0.068	0.068	0.092	0.084	0.082	0.081	0.079	0.079	0.078	0.077	0.075
Buckeye	0.066	0.066	0.065	0.064	0.072	0.072	0.070	0.067	0.078	0.070	0.069	0.068	0.066
Cave Creek	0.078	0.074	0.074	0.074	0.088	0.083	0.082	0.081	0.081	0.080	0.078	0.078	0.077
Central Phoenix	0.078	0.077	0.075	0.072	0.081	0.076	0.074	0.073	0.084	0.082	0.081	0.077	0.074
Dysart	0.082	0.075	0.073	0.071	0.075	0.074	0.073	0.070	0.079	0.078	0.074	0.073	0.071
Falcon Field	0.074	0.073	0.072	0.070	0.074	0.073	0.072	0.070	0.075	0.071	0.069	0.069	0.069
Fountain Hills	0.081	0.078	0.078	0.074	0.089	0.083	0.081	0.077	0.083	0.081	0.079	0.077	0.076
Glendale	0.083	0.077	0.077	0.074	0.083	0.082	0.080	0.076	0.088	0.084	0.079	0.078	0.076
Humboldt Mountain	0.074	0.071	0.070	0.070	0.088	0.085	0.081	0.077	0.082	0.082	0.080	0.079	0.075
North Phoenix	0.085	0.084	0.081	0.079	0.090	0.083	0.082	0.082	0.091	0.089	0.087	0.083	0.081
Phoenix Supersite	0.081	0.080	0.077	0.076	0.084	0.084	0.081	0.078	0.084	0.084	0.083	0.081	0.078
Pinnacle Peak	0.080	0.079	0.079	0.077	0.088	0.081	0.080	0.077	0.082	0.082	0.080	0.079	0.077
Rio Verde	0.078	0.073	0.072	0.071	0.088	0.084	0.082	0.081	0.076	0.076	0.075	0.072	0.074
South Phoenix	0.076	0.075	0.075	0.074	0.081	0.078	0.077	0.076	0.087	0.081	0.078	0.078	0.076
South Scottsdale	0.084	0.078	0.078	0.076	0.083	0.078	0.077	0.075	0.086	0.083	0.081	0.080	0.077
Tempe	0.075	0.072	0.068	0.068	0.076	0.072	0.070	0.070	0.078	0.075	0.073	0.073	0.070
Tonto National Mon.+	0.081	0.072	0.072	0.070	0.083	0.077	0.076	0.076	0.080	0.079	0.079	0.078	0.074
West Chandler	0.083	0.076	0.075	0.074	0.079	0.077	0.077	0.074	0.082	0.079	0.075	0.074	0.074
West Phoenix	0.082	0.078	0.075	0.075	0.086	0.080	0.079	0.078	0.087	0.087	0.084	0.083	0.078

* Based on preliminary data.

+ The Tonto National Monument Monitor is located outside the eight-hour ozone nonattainment area.

Note: Sites violating the .075 ppm standard are shown in bold.

Sources: EPA Air Quality System; ADEQ Air Quality Forecasts.