2018 OZONE SEASON

Air Quality Advisory Committee

August 28, 2018

EAST-WEST GATEWAY
Council of Governments
Creating Solutions Across Jurisdictional Boundaries

2015 Ozone Standard

- Standard is 70 parts per billion (ppb)
- Exceedance is when an 8-hour average for a monitor is >70 ppb
- Violation is when 3-year average of 4th highest annual average for a monitor is > 70 ppb

Exceedances as of August 27

- Region
  - 13 days
  - 52 exceedances
  - All 10 monitors
- Transport/Tracking Monitors outside Region
  - 6 days
  - 9 exceedances
  - 4 of 5 monitors

Monitors with Exceedances

- Missouri
  - Arnold West – 3
  - West Alton – 5
  - Orchard Farm – 6
  - Maryland Heights – 3
  - Pacific – 5
  - Blair St. - 10
- Illinois
  - Wood River – 4
  - Maryville – 6
  - Alton – 5
  - East St. Louis - 5

2018 Exceedances

March 1 - August 27, 2018
Monitors with Exceedances of the 2015 Eight-Hour Ozone Standard
Based on Information Received by East-West Gateway Council of Governments

	Days with Exceedances													
Date	5-23	5-24	5-28	6-1	6-5	6-6	6-8	6-15	7-11	7-12	7-13	8-1	8-3	Total Days 13
Monitors														Total Exceedances
Missouri	Ozone Values in ppb													by Monitor
Arnold West									71		74	71		3
West Alton		76	75			84		72			79			5
Orchard Farm		80	73			72				71	73		72	6
Maryland Heights			73			73				76				3
Pacific	71	73	71						76	73				5
Blair Street		73	75	84	75	98	73			71	74	77	81	10
Illinois														
Wood River						80	72				74		75	4
Maryville			75	85	87	82	72						75	6
Alton		71	72			87	75				75			5
East St. Louis		72	73	78	81	95								5
Total by Day	1	6	8	3	3	8	4	1	2	4	6	2	4	52

ppb - parts per billion
Exccedance occurs when an 8-hour average of values is calculated to be greater than or equal to 71 ppb

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Transport/Tracking Monitors with Exceedances

- Missouri
  - Foley West - 2
  - Bonne Terre - 0
- Illinois
  - Jerseyville – 3
  - Nilwood – 3
  - Houston - 1

2018 Exceedances Transport/Tracking Monitors

Transport/Tracking Monitors
March 1 - August 27, 2018
Monitors with Exceedances of the Eight-Hour Ozone Standard
Based on Information Received by East-West Gateway Council of Governments

	Days with Exceedances						
Date	5-24	5-28	6-5	6-8	7-12	7-13	Total Days 6
Monitors							Total Exceedances
Missouri	Ozone Values in ppb						by Monitor
Foley West	77				83		2
Bonne Terre							
Illinois							
Jerseyville	74	72				77	3
Nilwood	71	72		75			3
Houston			79				1
Total by Day	3	2	1	1	1	1	9

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Past Ozone Seasons

Ozone Season	St. Louis Region		Transport/Tracking Monitors	
	Days	Exceedances	Days	Exceedances
2016	18	48	9	10
2017	10	21	5	7
March-August 27, 2018	13	52	6	9

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For Additional Information

On-line Air Quality Resource Center

www.ewgateway.org/community-planning/environmental/air-quality

June 2018 AQI Calendar

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