Item 2a, MWAQC-TAC 05.12.15



Ozone Season Summary



Sunil Kumar

MWAQC-TAC

May 12, 2015



MAY 2015

Peak 8-Hour Ozone Concentrations (ppb)

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
		1	2	3	4	5					1	2	3
		51	62	46	46	53					43	52	68
6	7	8	9	10	11	12	4	5	6	7	8	9	10
57	45	39	37	42	58	60	67	71	67	70	72	45	41
13	14	15	16	17	18	19	11	12	13	14	15	16	17
60	43	53	58	51	65	51							
20	21	22	23	24	25	26	18	19	20	21	22	23	24
48	52	54	50	55	48	52							
27	28	29	30				25	26	27	28	29	30	31
47	50	61	60										

APRIL 2015

Since April 1, 2015, there have been: 12 Code Yellow Days, 28 Code Green Days

•Analysis is based on draft data until May 10, 2015. Data is subject to change.



Ozone Exceedance Trend





Ozone Design Value Trend





Ozone & Temperature Trend



* ARP = Acid Rain Program

- Phase 1 : 1996
- Phase 2 : 2000

* Analysis is based on draft data as of May 10, 2015 and is subject to change.



Federal	State	Local
Acid Rain Program (1996/2000)	Vehicle Inspection and Maintenance Programs	Renewable Energy Programs Regional Wind Power Purchase Program Clean Energy Rewards Program Renewable Portfolio Standards
Tier 2 (LD Vehicle) Rule (2004)	MD Healthy Air Act (2009/2012)	Energy Efficiency Programs LED Traffic Signal Retrofit Program Building Energy Efficiency Programs
HD Diesel Vehicle Rule (2004/2007)	VA CAIR Rule	VRE Idling Reduction
NOx SIP Call (2004)	Ozone Transport Commission Rules	Low VOC Paint
Clean Air Interstate Rule (2009), DC CAIR FIP*	MD LEV Rule	Gas Can Replacement

* DC CAIR was implemented through Federal Implementation Plan.



Fine Particle Summary

MAY 2015

24-Hour PM2.5 Concentrations (ug/m3)

APRIL 2015

IONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
		1	2	3	4	5					1	2	3
		10.5	11.4	16.6	7.5	6.8					13.1	14.3	19.2
6	7	8	9	10	11	12	4	5	6	7	8	9	10
10.1	16.7	8.8	12.1	12.7	8.2	9.1	21.2	24.4	21.5	16.7	18.7	12.7	17.4
13	14	15	16	17	18	19	11	12	13	14	15	16	17
11.6	13.4	8.9	10.0	13.5	17.2	13.9							
20	21	22	23	24	25	26	18	19	20	21	22	23	24
12.7	11.3	12.5	9.0	7.6	11.0	10.9							
27	28	29	30				25	26	27	28	29	30	31
10.9	11.0	13.2	16.3										

Since April 1, 2015, there have been: 22 Code Yellow Days, 18 Code Green Days

* Analysis is based on draft data until May 10, 2015. Data is subject to change.



PM2.5 Exceedance Trend









24-Hour PM_{2.5} Design Value Trend

