



2023 Maryland Air Quality – 8 Ozone Exceedances

MARYLAND'S OZONE MAX 8-HOUR AVERAGE IN 2023

Last updated: 06/8/2023 Raw data, subject to change. 2022 3-year Design Values are preliminary and subject to change.

	Metropolitan Statistical Area (Group Number)																				Daily max 8-hour ozone conc. (ppb)	Daily number of sites with an occurrence	PM10
	1							2						3	4		5	6					
	Aldino	Edgewood	Essex	Lake Montebello	Glen Burnie	Padonia	South Carroll	Calvert	PG Equest. Ctr.	Frederick	Howard U.	Beltsville*	Rockville	So. Maryland	Fair Hill	Blackwater NWR*	Millington	Horn Point	Hagerstown	Piney Run			
2021 Design Value	68	72	70	68	70	69	64	58	65	65	67	70	63	59	67	62	64	64	60	58			
2022 Design Value	67	68	68	68	66	68	64	58	64	63	63	67	63	59	65	61	64	63	61	58			
04/13/2023	73	74						71	72					75	73		72	71			75	8	
04/21/2023									73												73	1	
05/12/2023						71						72									72	2	
06/01/2023						71				78	74		72					71			78	5	
06/02/2023	76	85	87	74	71		73		75	72		73			71		81				87	11	
06/03/2023										74											74	1	
06/07/2023														75		71		76			76	3	
06/11/2023						74															74	1	
06/01/2023																							
06/02/2023																							
06/03/2023																							
06/06/2023																						36	
06/07/2023				73		83		66					66	65	57		110	77	95	42		131 ²	160
06/08/2023				125		114		97					114	108	72		109	124	76	65		74 ²	125



Ozone Episodes

Ozone Episode

04/13/2023	75
04/21/2023	73
05/12/2023	72
06/01/2023	78
06/02/2023	87
06/03/2023	74
06/07/2023	76

→ Flint Hills, KS Fires & Eastern CONUS Fires

→ Mexico & Southeast CONUS Fires

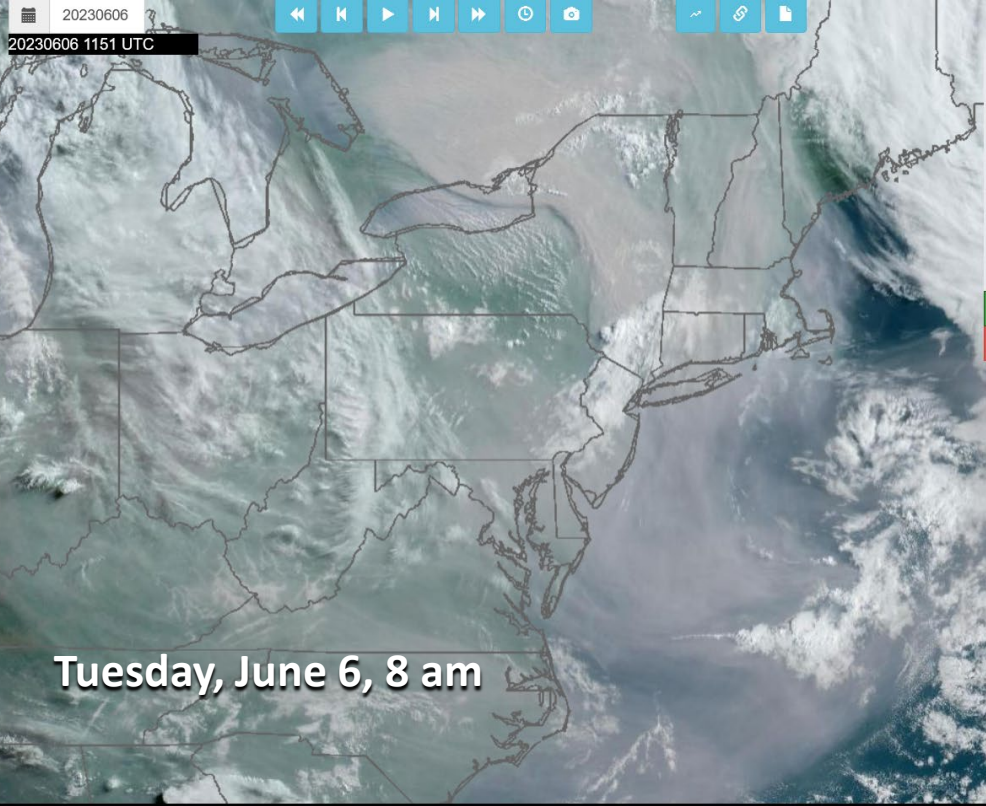
→ Alberta & Saskatchewan, Canada Fires

} Nova Scotia, Canada & New Jersey Fires

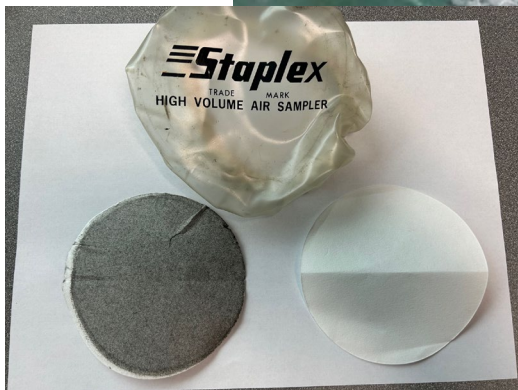
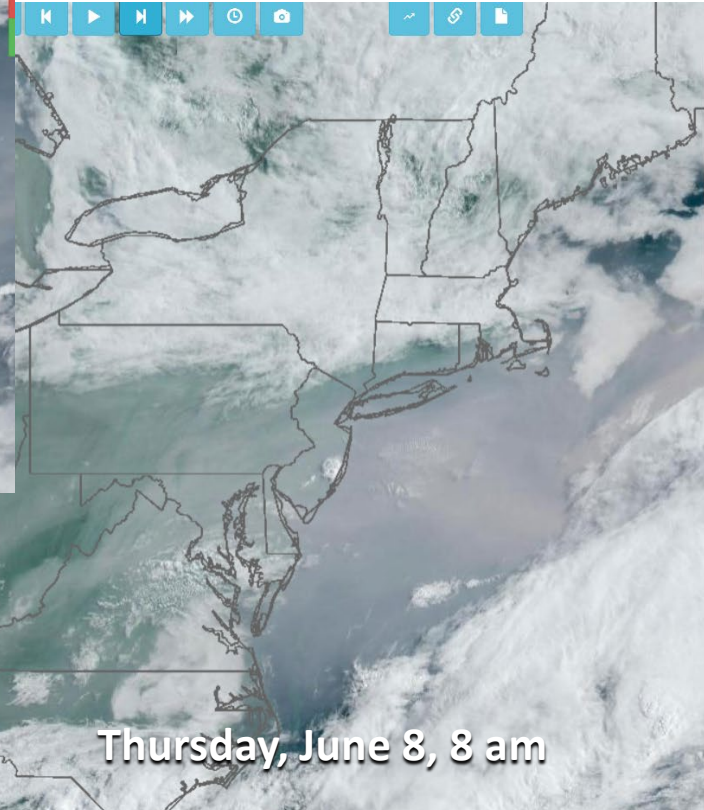
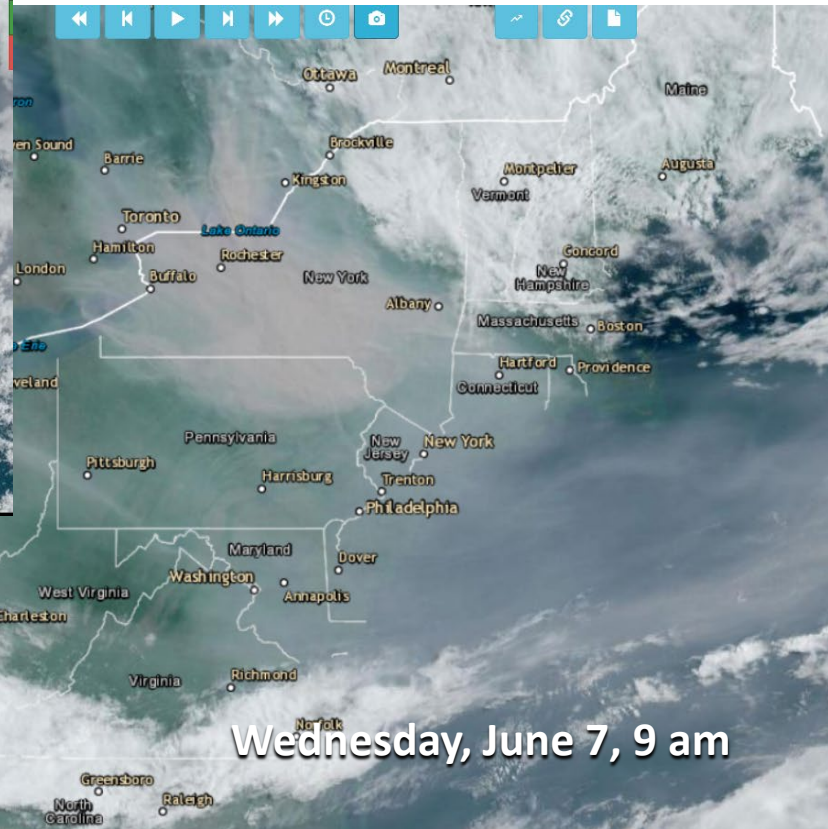
→ Quebec, Canada Fires

- Four Exceptional Event initial notifications already submitted to EPA
 - Final EE applications will be assessed at the end of the season





Quebec Smoke Event



Courtesy: Dr. Russ Dickerson