

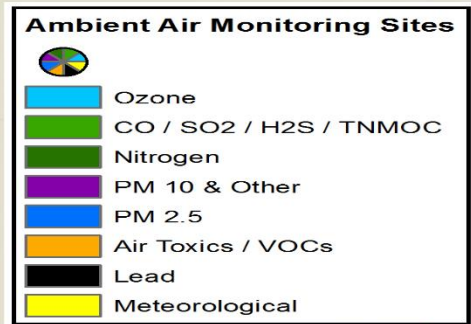
Report on Air Quality in the Paso del Norte

for the Joint Advisory Committee
on the Improvement of Air Quality in the Paso del Norte Region

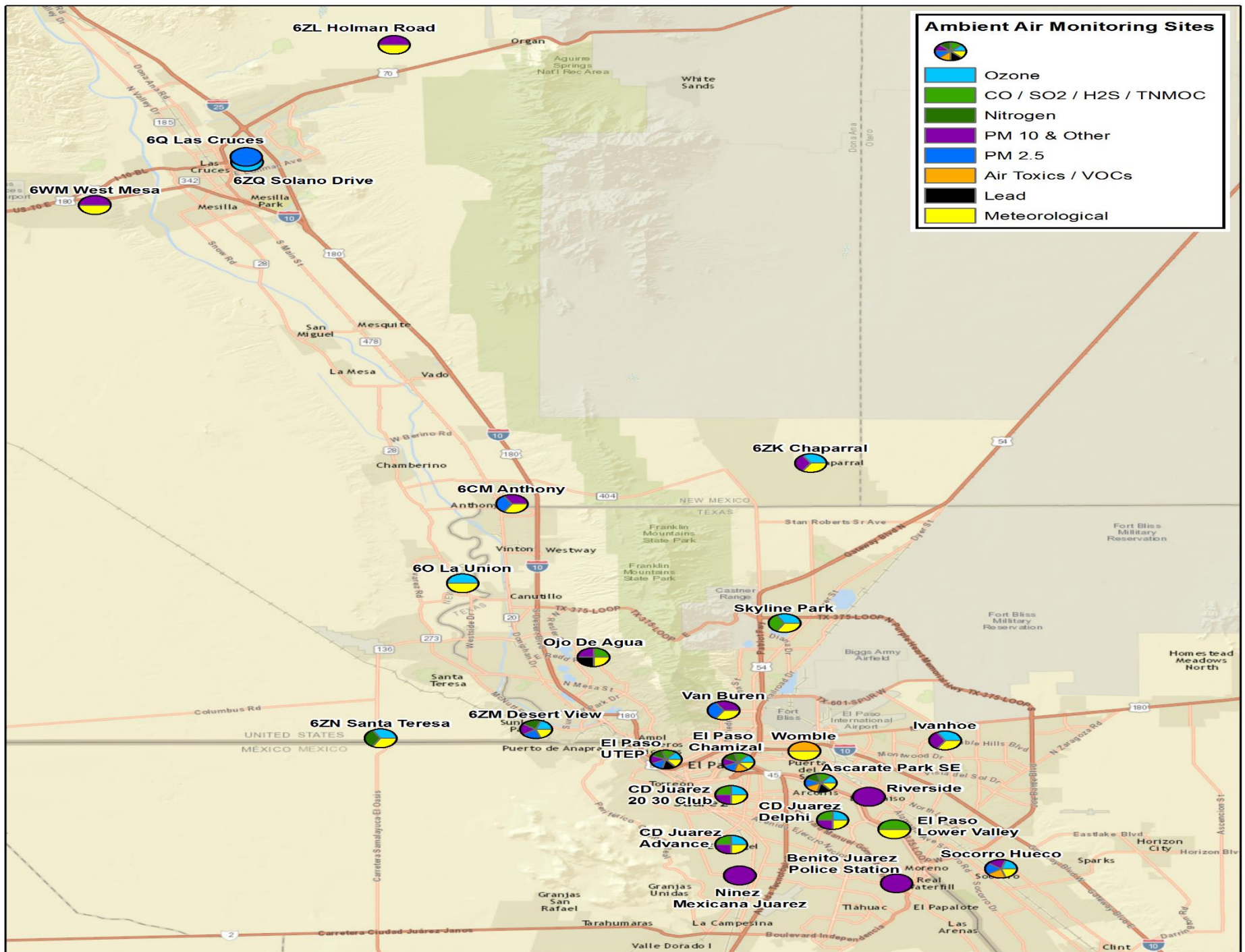


September 20, 2018
Carlos Rincon
US EPA Region 6

Ambient Air Monitoring Sites

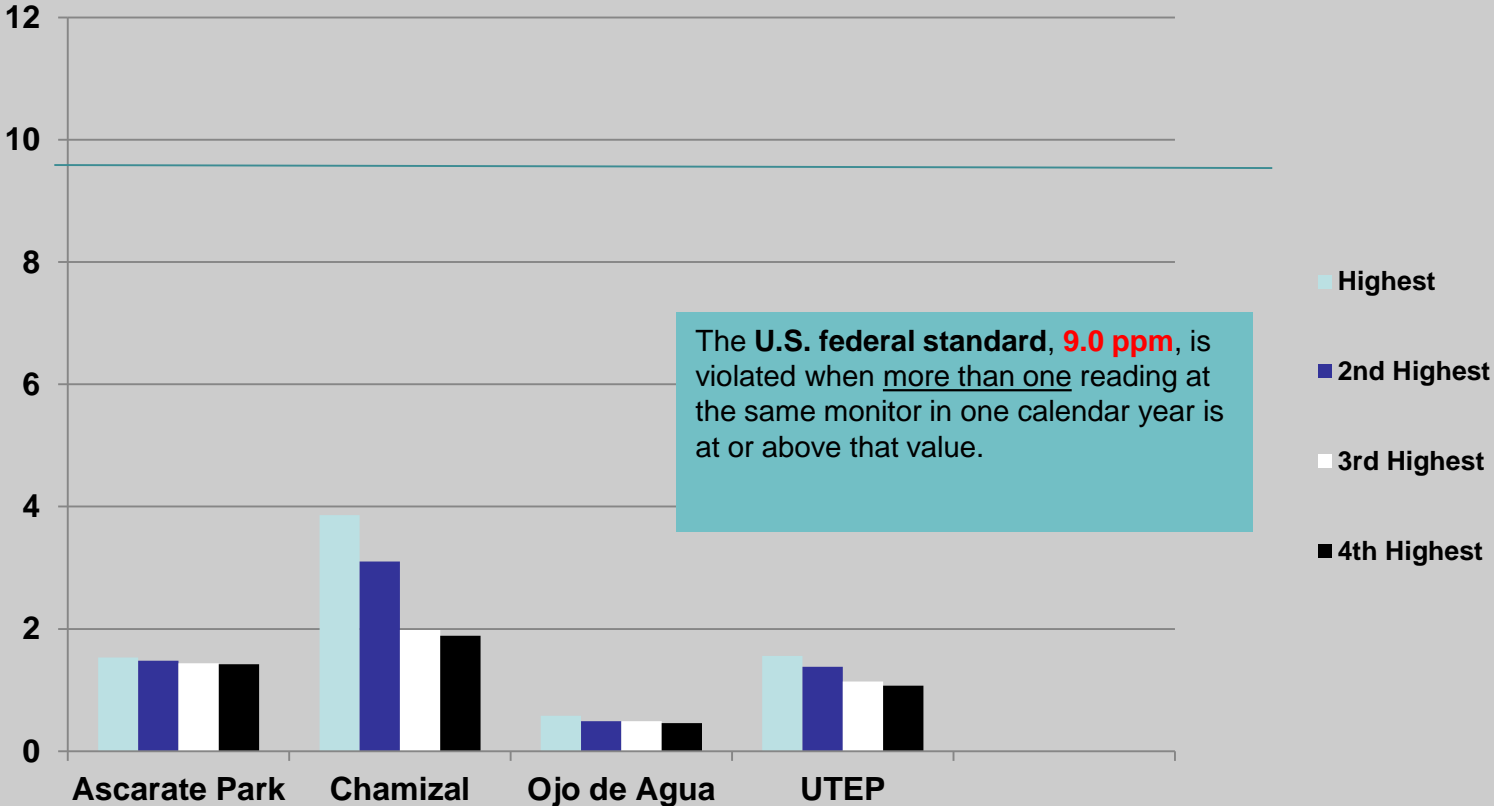


- Ozone
- CO / SO2 / H2S / TNMOC
- Nitrogen
- PM 10 & Other
- PM 2.5
- Air Toxics / VOCs
- Lead
- Meteorological



Carbon Monoxide

Carbon Monoxide 8-Hr. Averages Four Highest Values (in ppm) at Each Monitor in El Paso January – August 2018

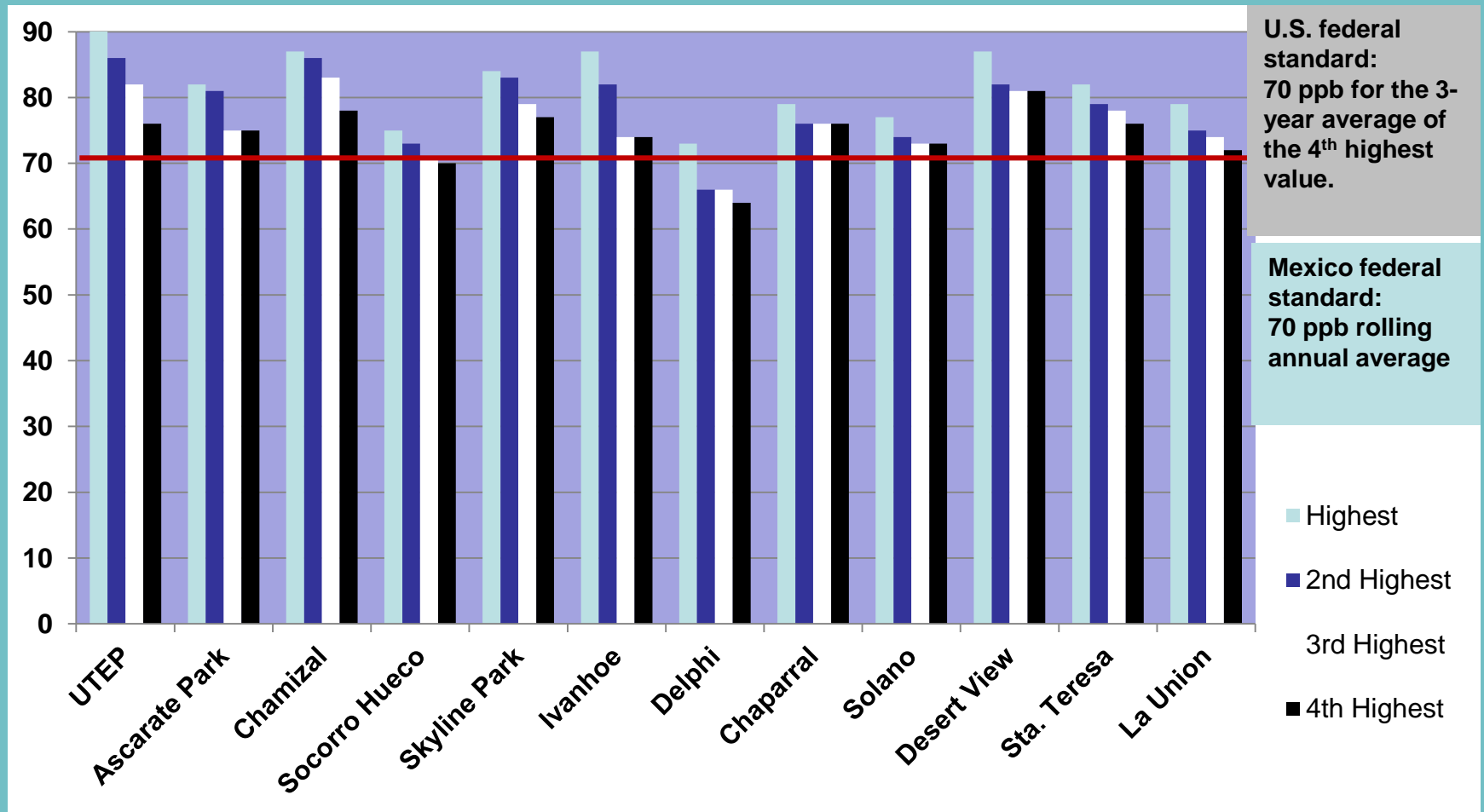


Ozone

Ozone 8-Hr. Averages (in ppb)

Four Highest Values at Monitors in El Paso, Doña Ana County, and Cd. Juárez

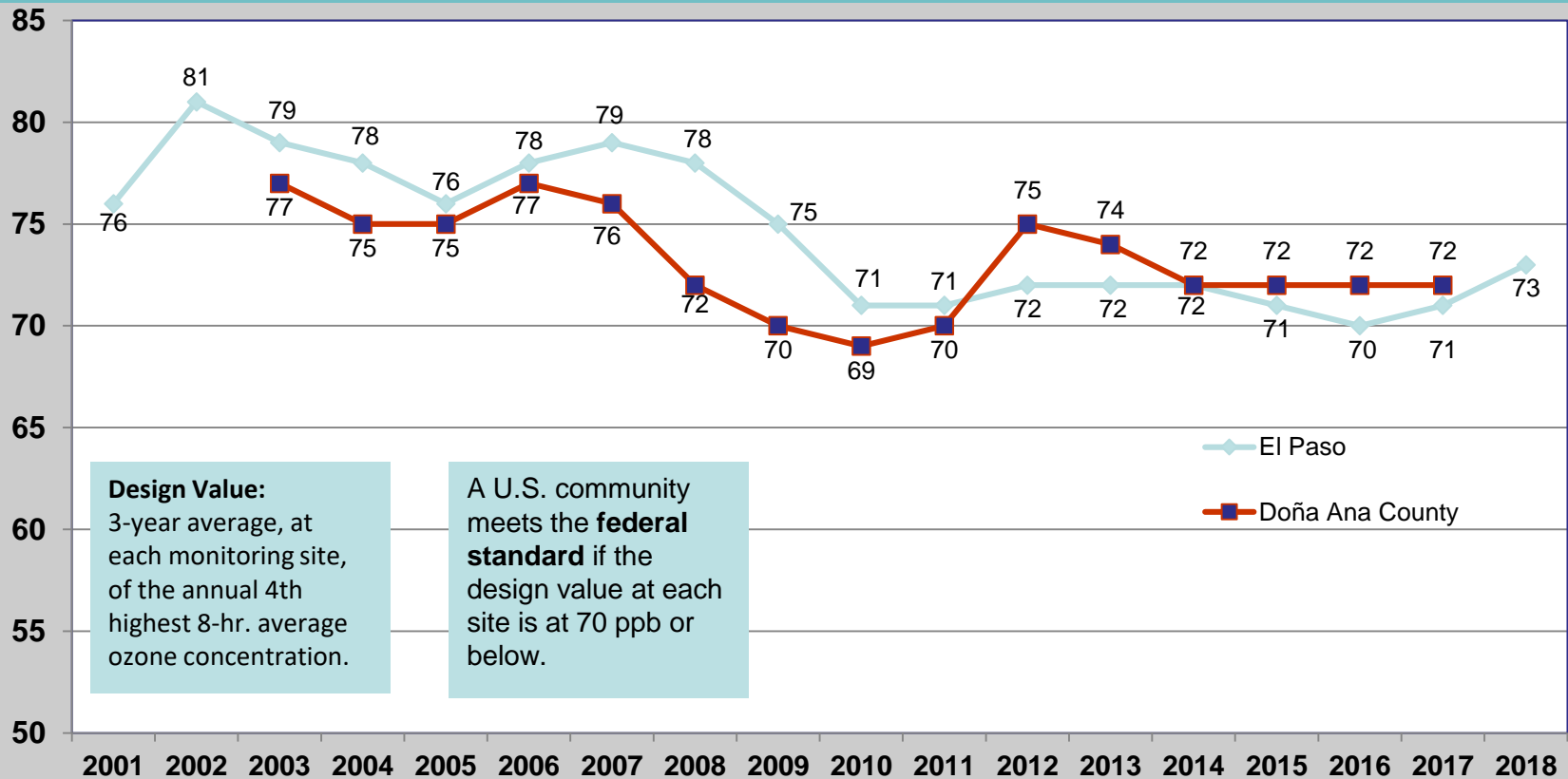
(January- August 2018)



Ozone 8-Hr. Design Values

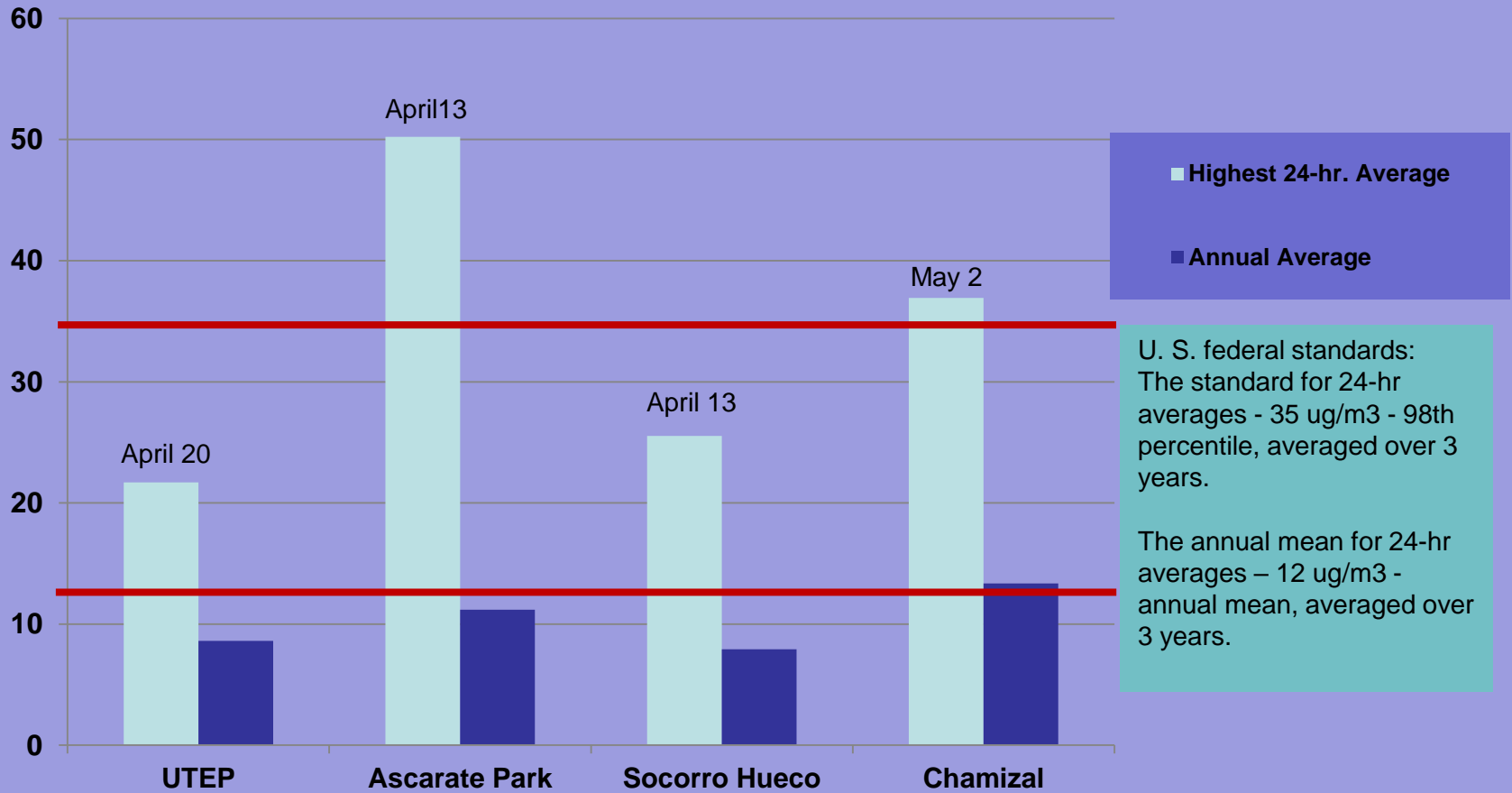
El Paso and Doña Ana County

(highest value of all sites in each area, 2001 – 2018)

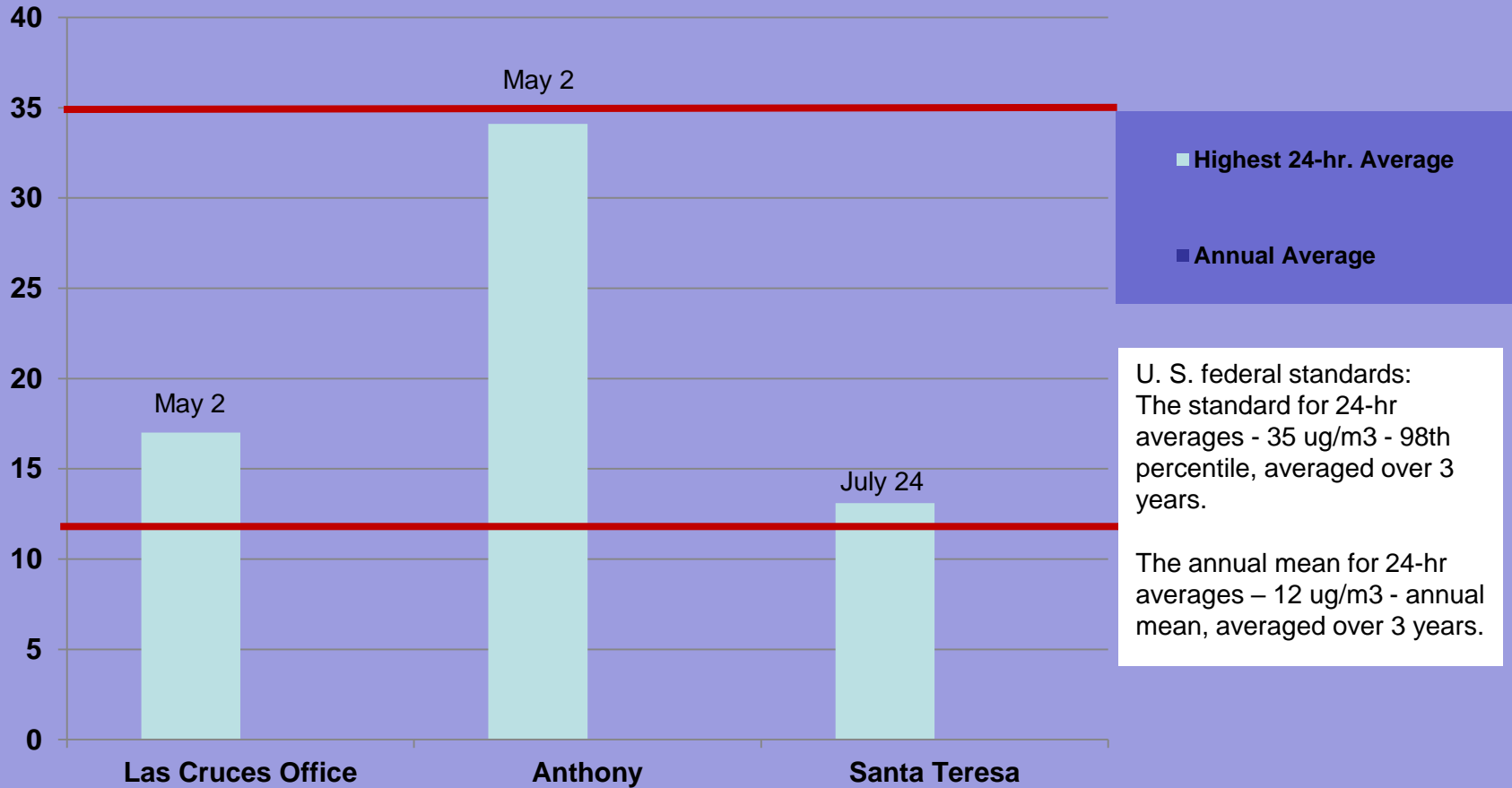


Particulate Matter (PM)

PM_{2.5} Highest 24-Hr. Average and Annual Average Four Monitors in El Paso (in $\mu\text{g}/\text{m}^3$) January – August 2018



PM_{2.5} Highest 24-Hr. Average and Annual Average (µg/m³) Doña Ana County January - August 2018



PM_{2.5}
Compliance with U.S. Federal Standards
El Paso and Doña Ana Counties

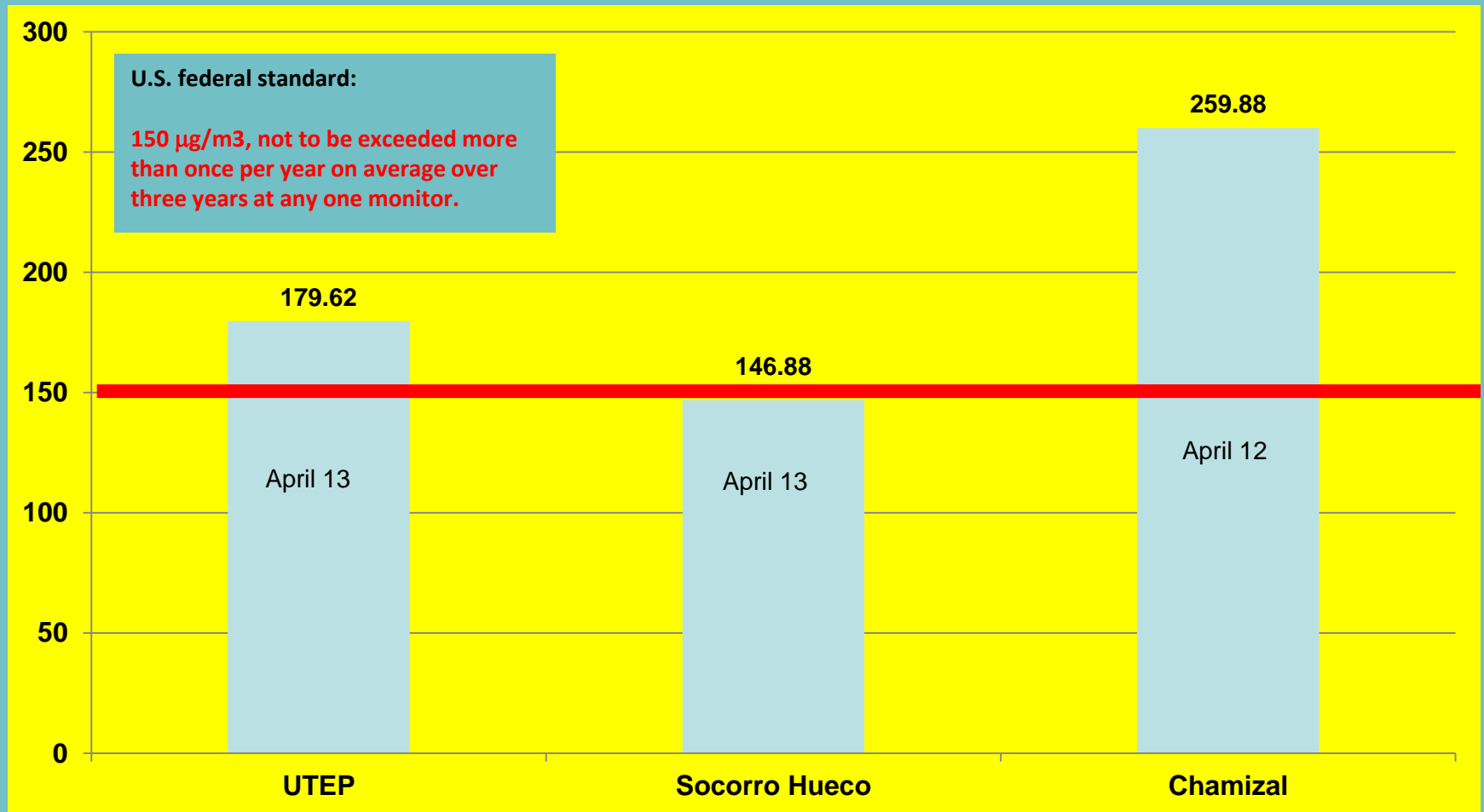
Annual Design Value

U.S. Standard	12 µg/m³
2017 Design Value for Chamizal	8.9 µg/m³
2017 Design Value for Anthony	7.3 µg/m³

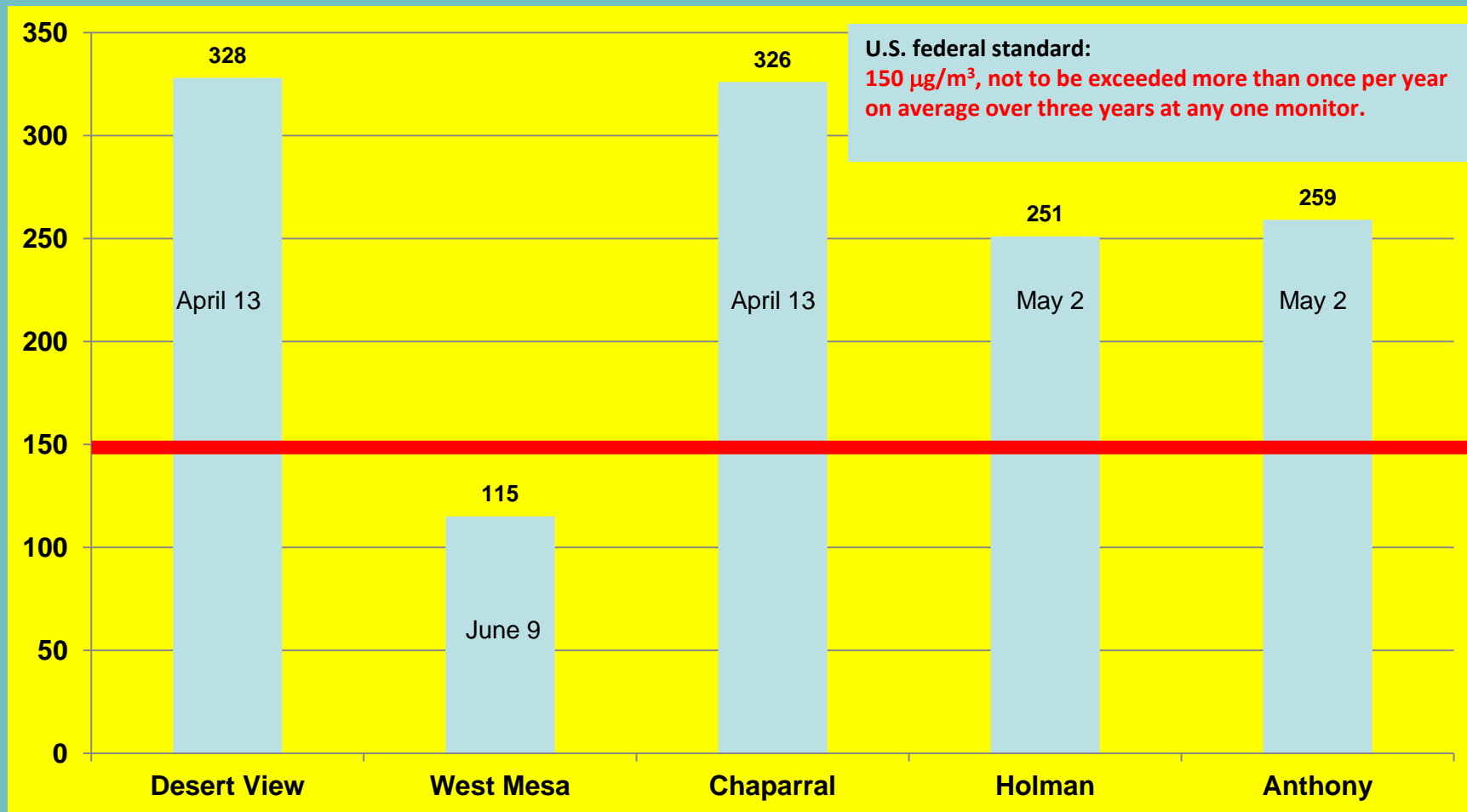
24-Hour Design Value

U.S. Standard	35 µg/m³
2017 Design Value for Chamizal	23 µg/m³
2017 Design Value for Anthony	20 µg/m³

PM₁₀
Highest 24-Hour Averages (in $\mu\text{g}/\text{m}^3$)
Three Monitors in El Paso
January - August 2018



PM10
Highest 24-Hour Averages (in $\mu\text{g}/\text{m}^3$)
Five Monitors in New Mexico
January- August 2018



PM₁₀
Compliance with U.S. Federal Standard
for 24-Hour Design Value
El Paso and Doña Ana Counties
2015 - 2017

U.S. Standard

150 $\mu\text{g}/\text{m}^3$

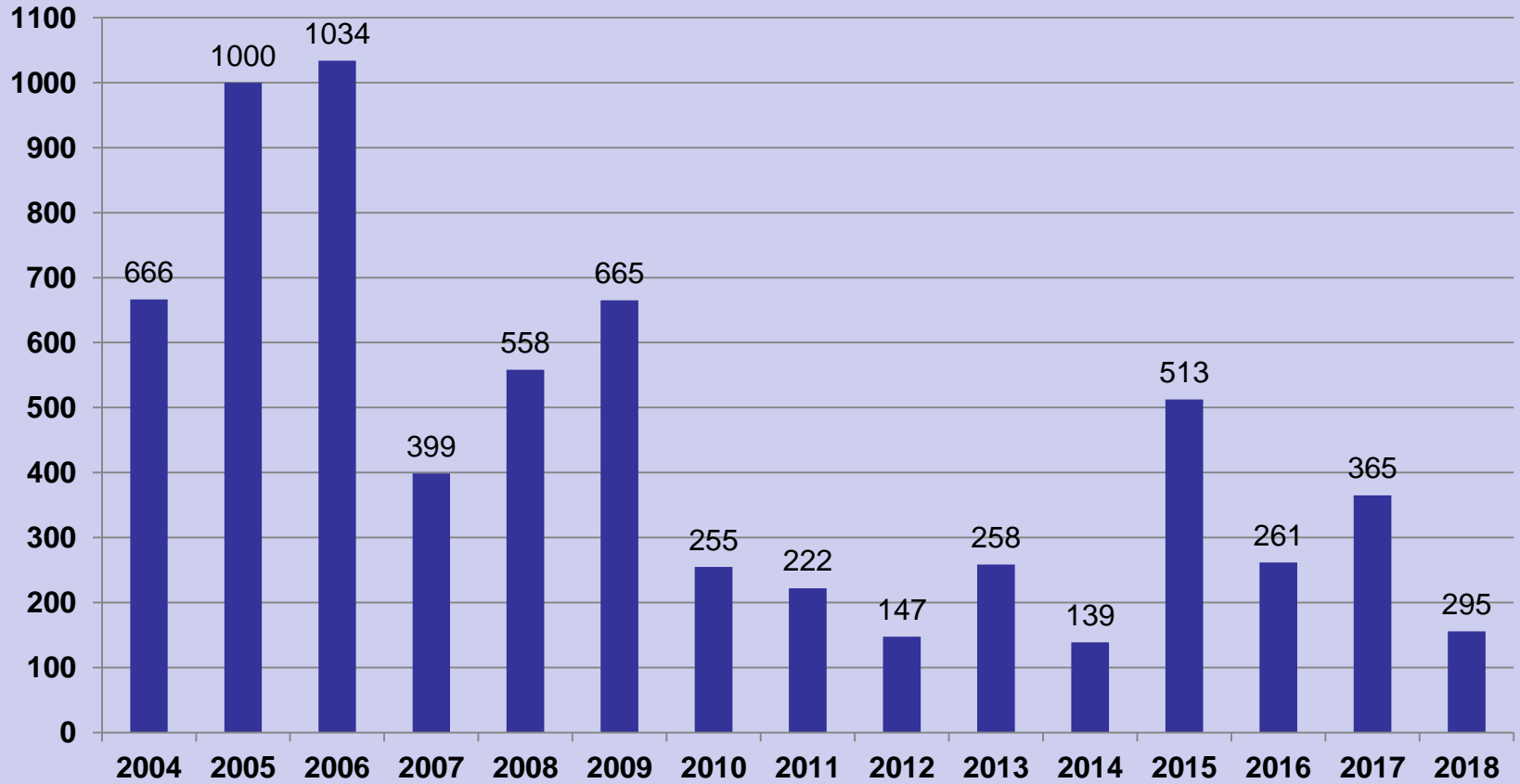
Violation at any one monitor:

- **If the average annual # of estimated exceedances over three years is >1**

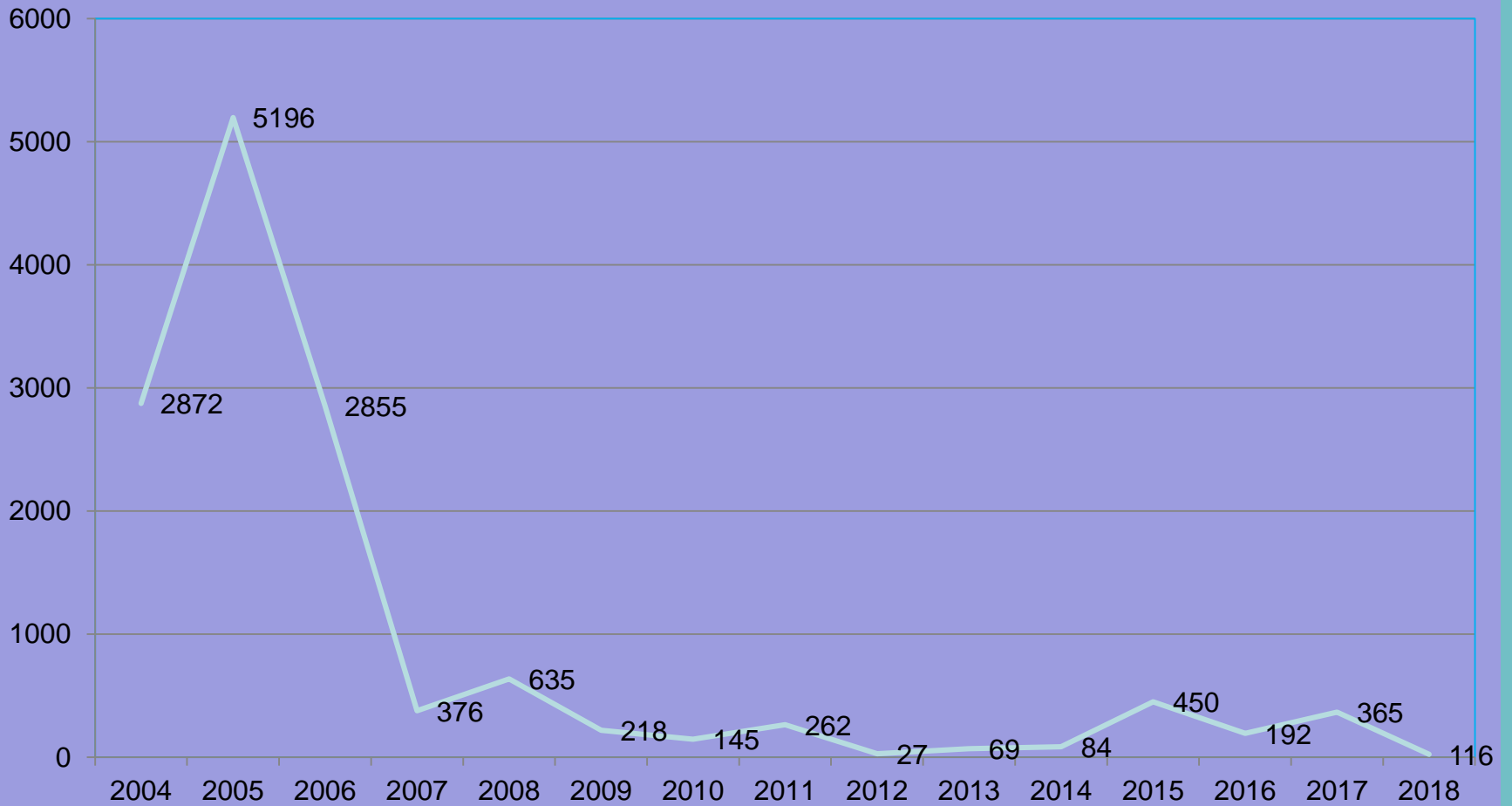
Socorro Hueco	2017	2	<u>estimated</u> exceedances
	2016	0	"
	2015	0	"
Desert View	2017	5.5	<u>estimated</u> exceedances
	2016	0	"
	2015	0	"

Hydrogen Sulfide

Hydrogen Sulfide – 30-Minute Averages Highest Value (in ppb) Each Year at “Lower Valley” Monitor (2004-2018)



**Hydrogen Sulfide – 30-Minute Averages
Number of Exceedances (in ppb) Each Year
at “Lower Valley” Monitor
(2004-2018)**



Hydrogen Sulfide Number of Days with 30-Minute Exceedances at “Lower Valley” Monitor, 2004-2018

