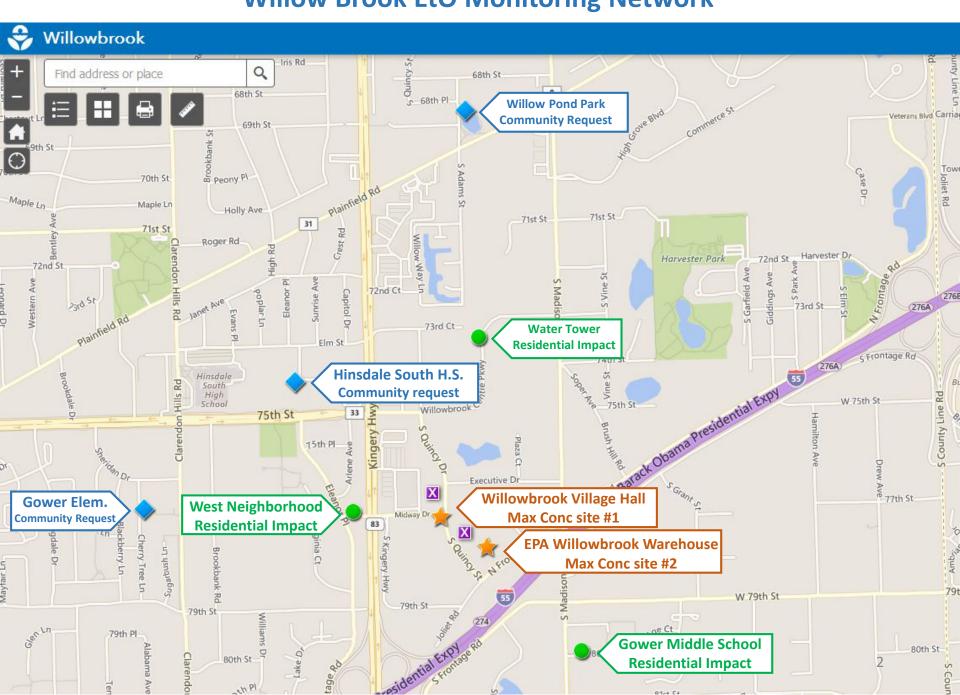
Update on EPA Ethylene Oxide Monitoring Data

Willowbrook, IL

Friday, April 26, 2019

Willow Brook EtO Monitoring Network



2018/2019 3-Day Sampling Calendar - EtO

November						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
				1	2	3
4	5	6	7	8	9	10
11	12	ТВ	14	15	16	17
18	19	20	21	22	23	24
25	26	27	ТВ	29	30	

December						
Sun	n Mon Tue Wed Thu Fri					
						1
2	3	4	5	ТВ	7	8
9	10	11	12	ТВ	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

January						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	ТВ	23	24	25	26
27	28	29	30	31		

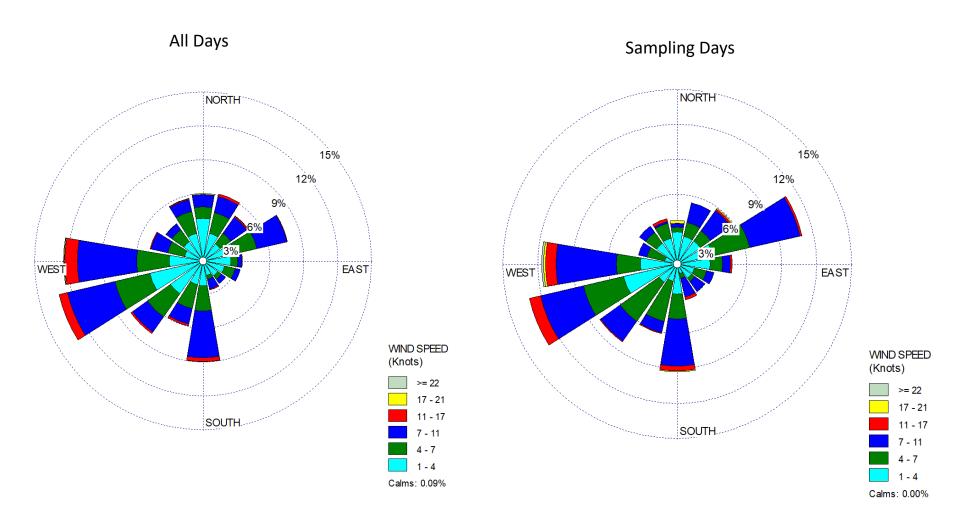
February						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
					TB	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	ТВ	20	21	22	ТВ
24	25	ТВ	27	28		

March						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1	2
3	4	5	6	ТВ	8	9
10	11	12	13	14	15	16
17	18	TB	20	21	22	23
24	25	26	27	28	29	30
31						

Standard Sample Collection

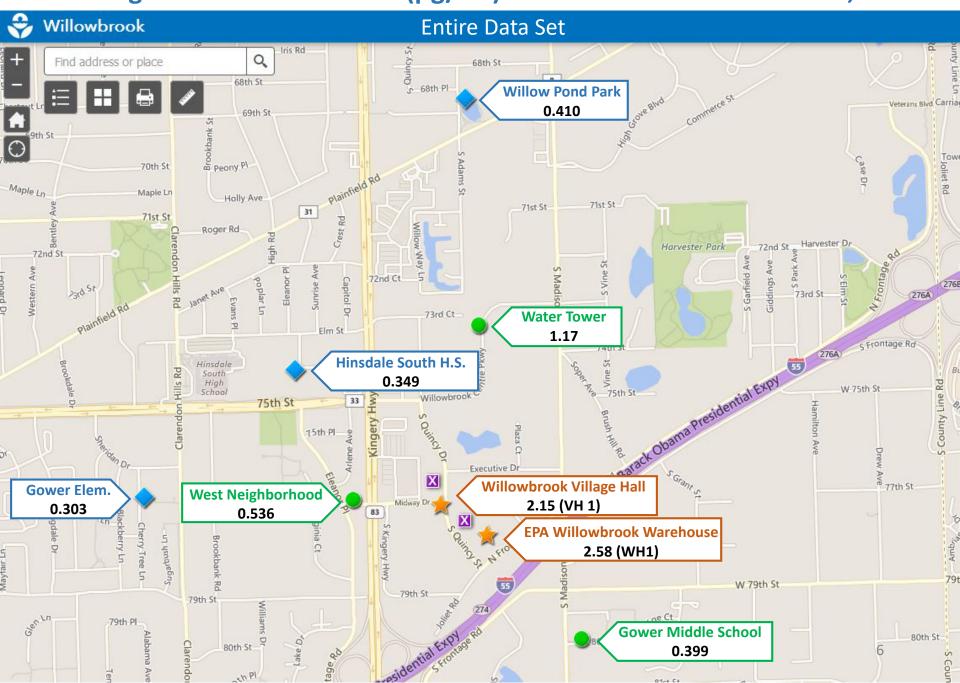
TB Trip Blank Collection

Willowbrook Study Wind Roses for Nov 13, 2018 – Mar 31, 2019



EtO Concentrations

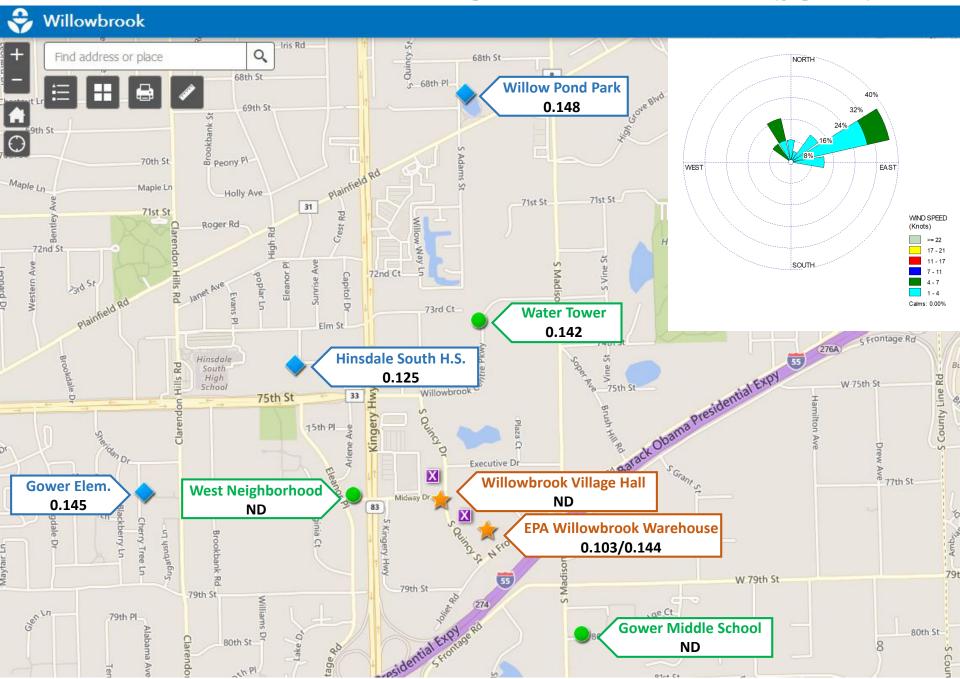
Average EtO Concentrations ($\mu g/m^3$) – November 13 to March 31, 2019



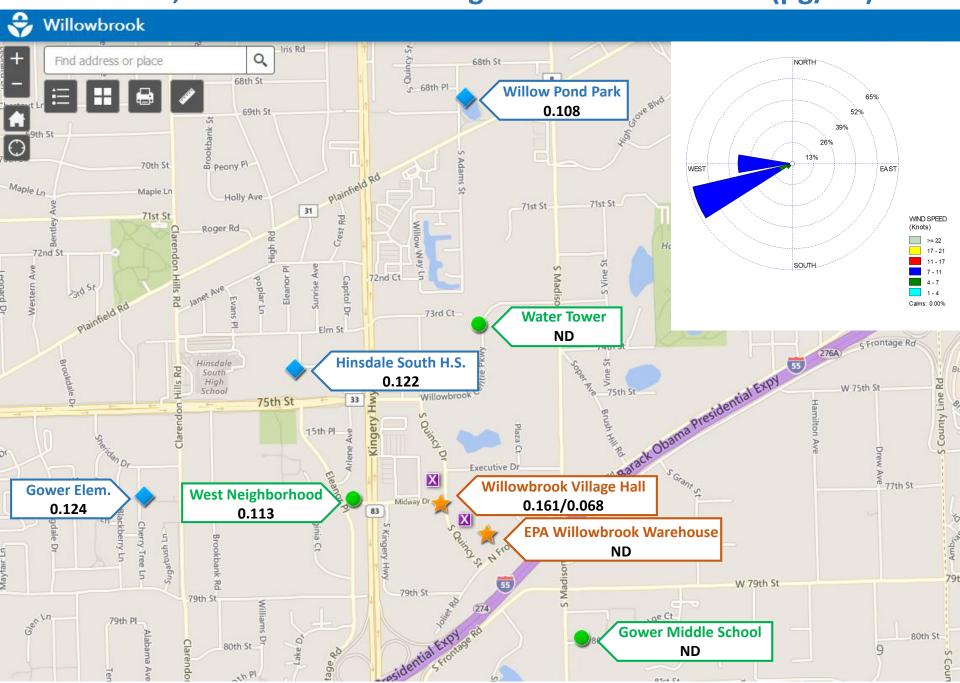
Average EtO Concentrations ($\mu g/m^3$) – November 13 to March 31, 2019



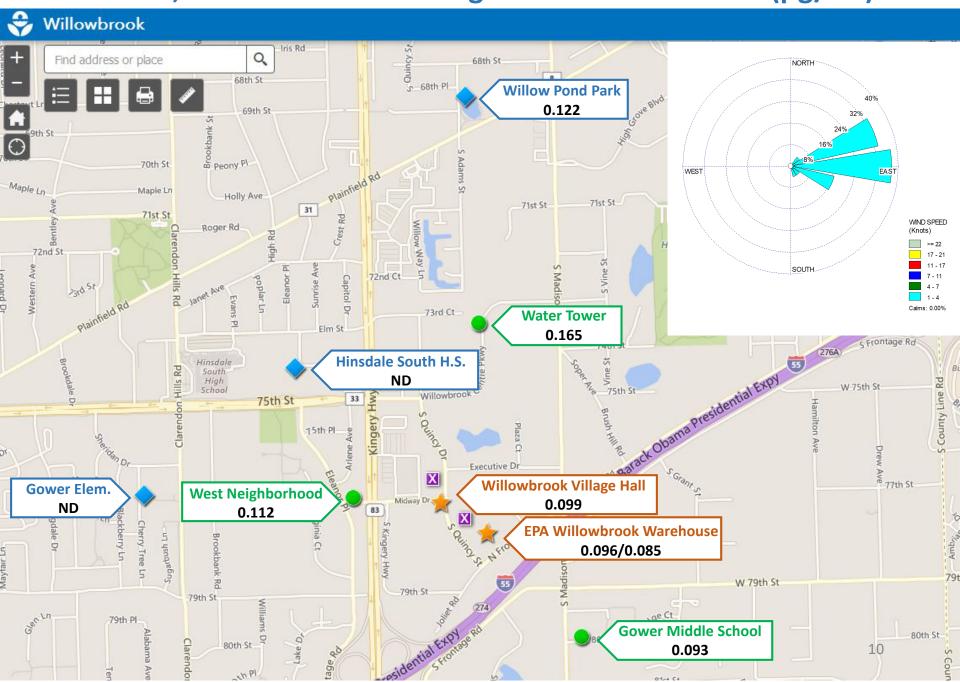
March 1, 2019 – 24-hour average EtO Concentrations ($\mu g/m^3$)



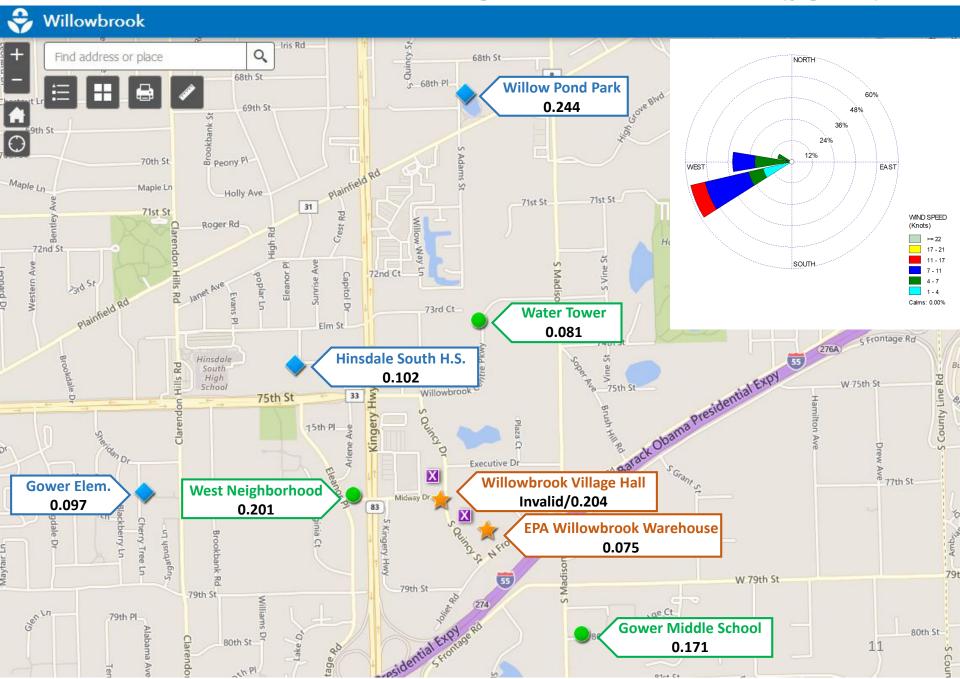
March 4, 2019 – 24-hour average EtO Concentrations (μg/m³)



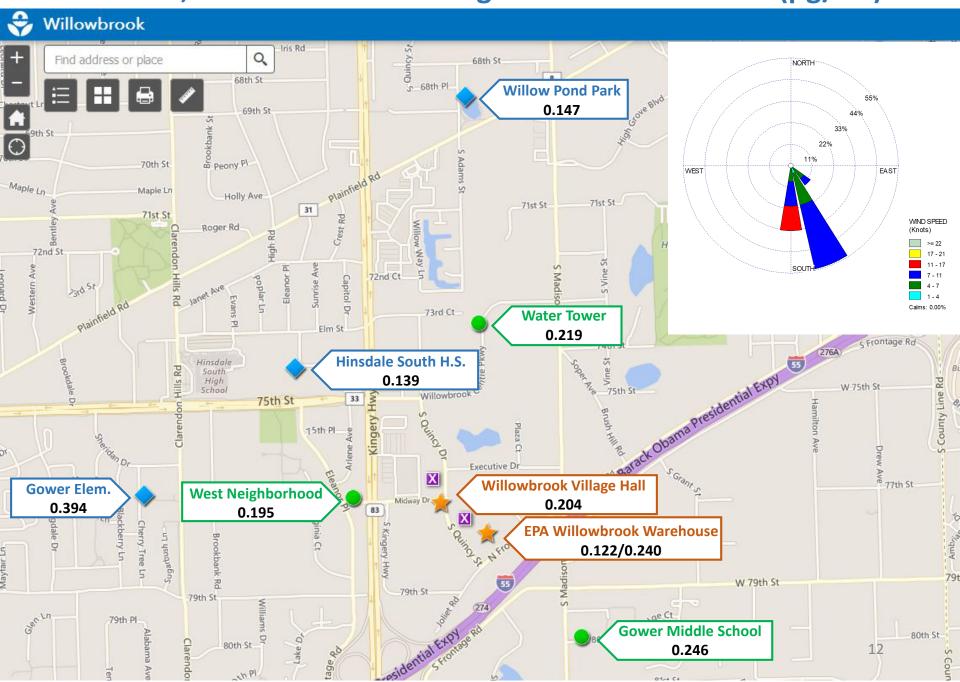
March 7, 2019 – 24-hour average EtO Concentrations (μg/m³)



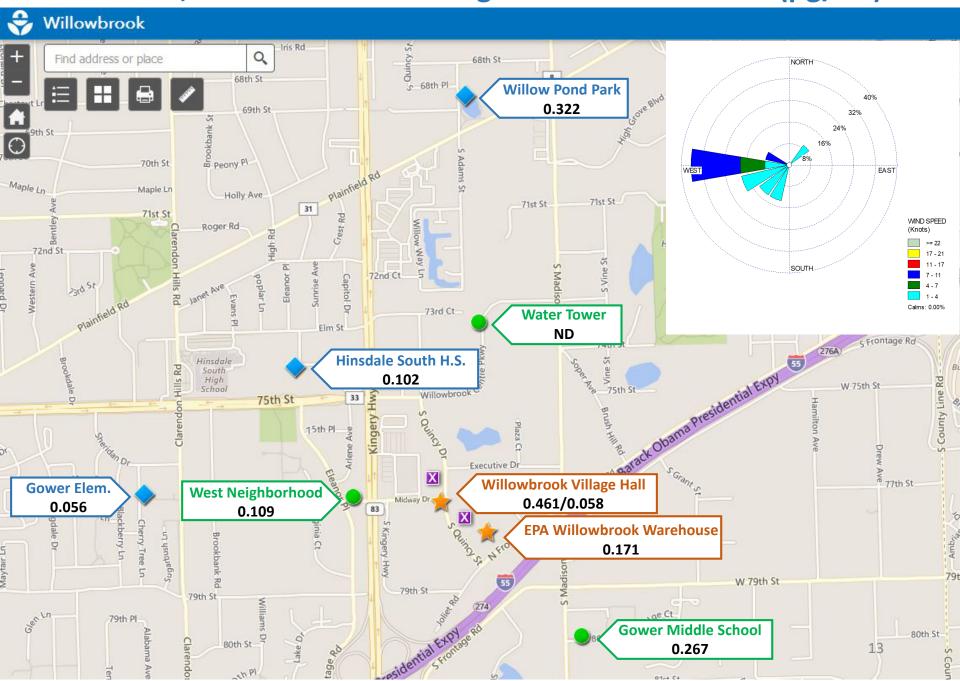
March 10, 2019 – 24-hour average EtO Concentrations (μg/m³)



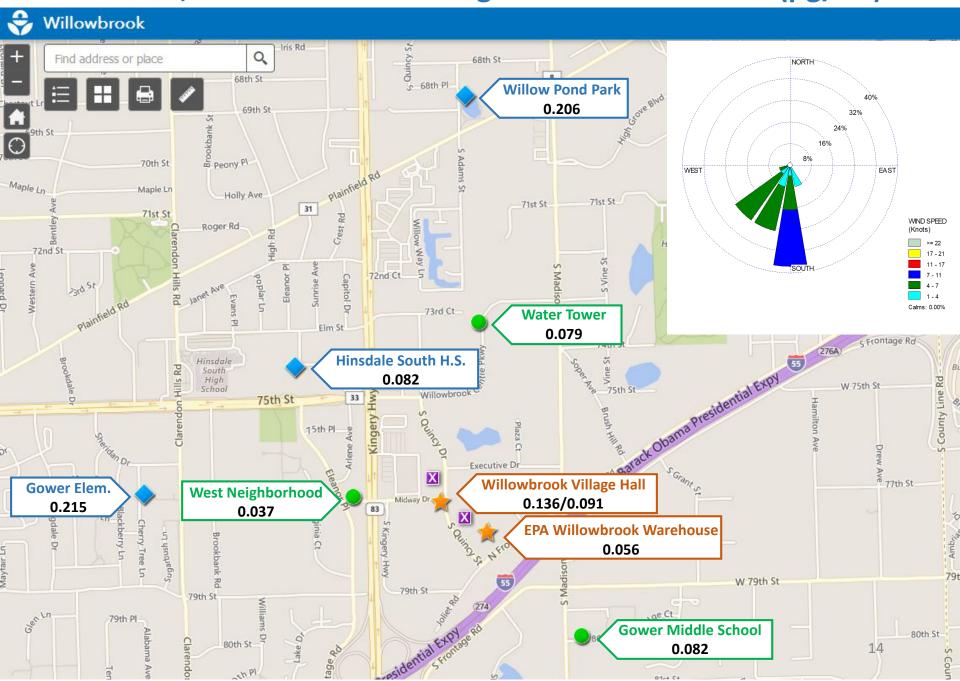
March 13, 2019 – 24-hour average EtO Concentrations (μg/m³)



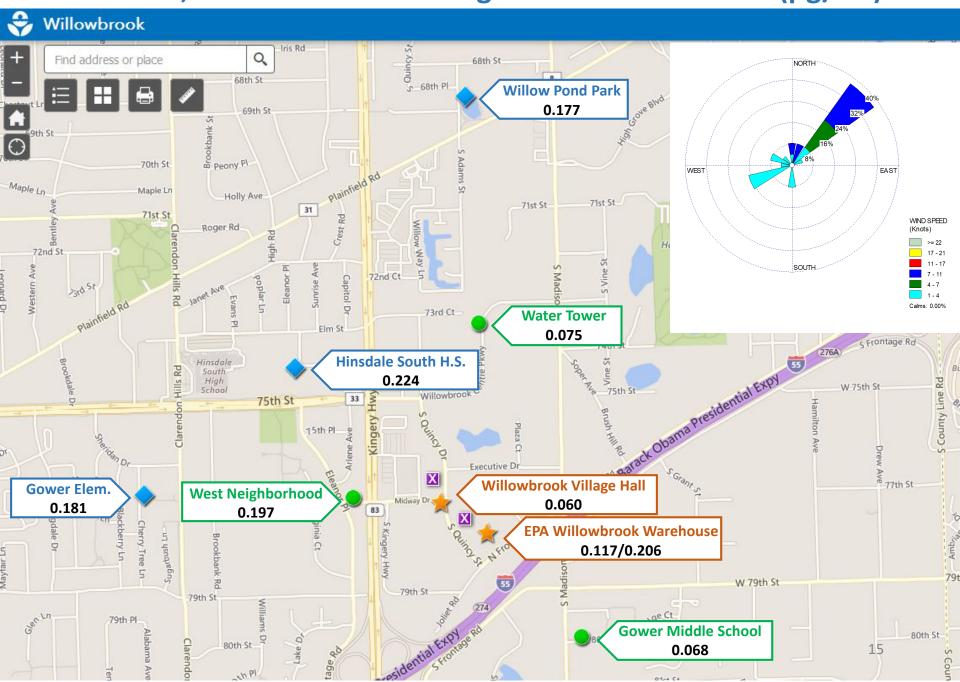
March 16, 2019 – 24-hour average EtO Concentrations (μg/m³)



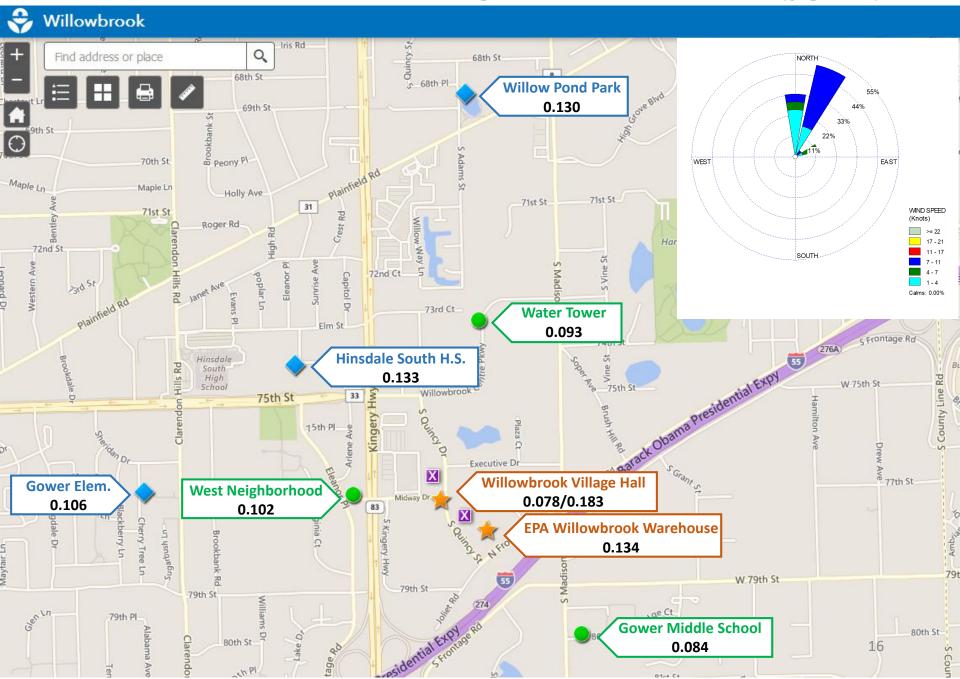
March 19, 2019 – 24-hour average EtO Concentrations (μg/m³)



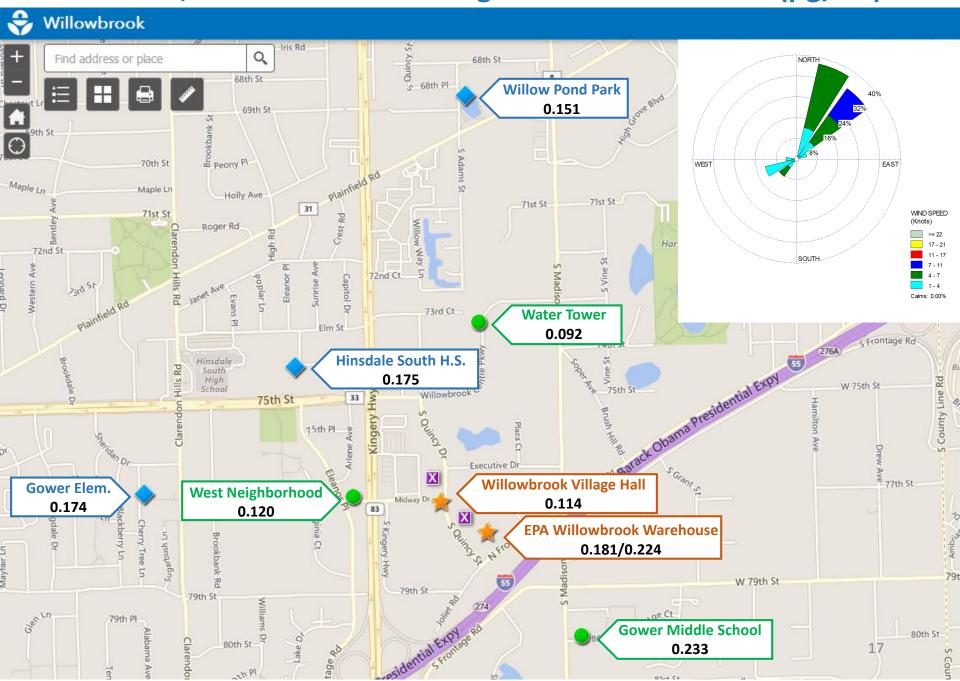
March 22, 2019 – 24-hour average EtO Concentrations (μg/m³)



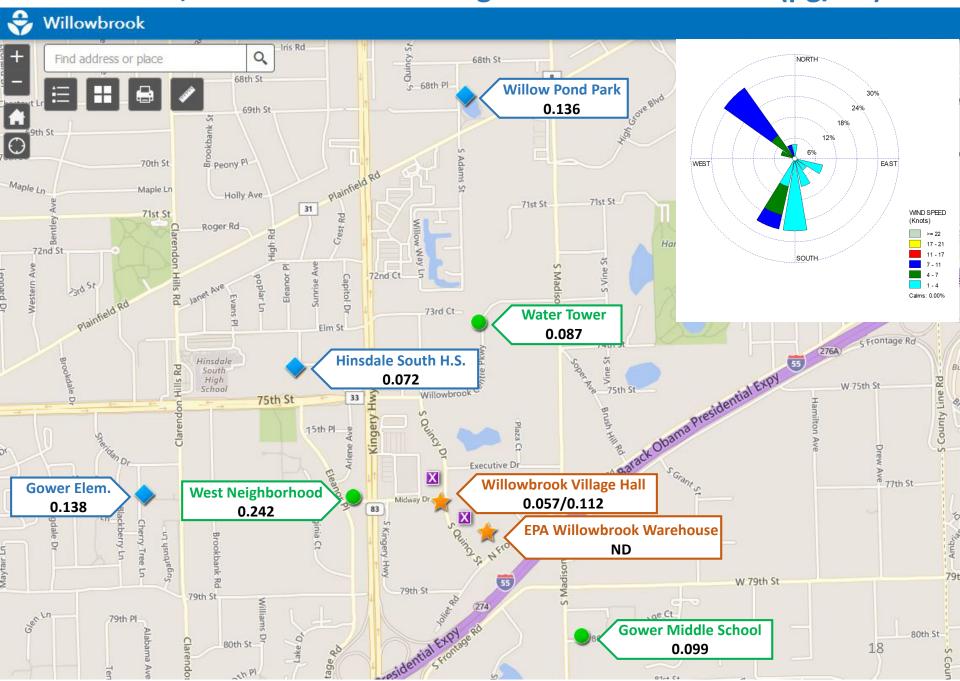
March 25, 2019 – 24-hour average EtO Concentrations (μg/m³)



March 28, 2019 – 24-hour average EtO Concentrations (μg/m³)



March 31, 2019 – 24-hour average EtO Concentrations (μg/m³)



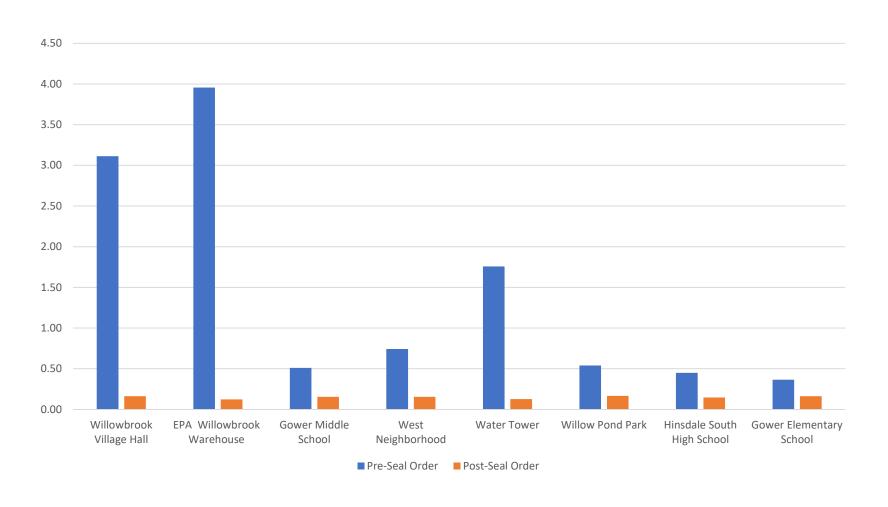
Summary

- Sampling Period: Nov 13, 2018 March 31, 2019
- Number of Sampling Days: 49
- Valid Samples: 97%
- Site Averages:

	<u> Pre-Seal Order</u>	Post-Seal Order
Max Sites	3.31ug/m^3	0.15
Residential Sites	0.70ug/m^3	0.15

Average Values (by site)

micrograms per cubic meter



Sampling showed significant day-to-day variability (pre-seal order)

