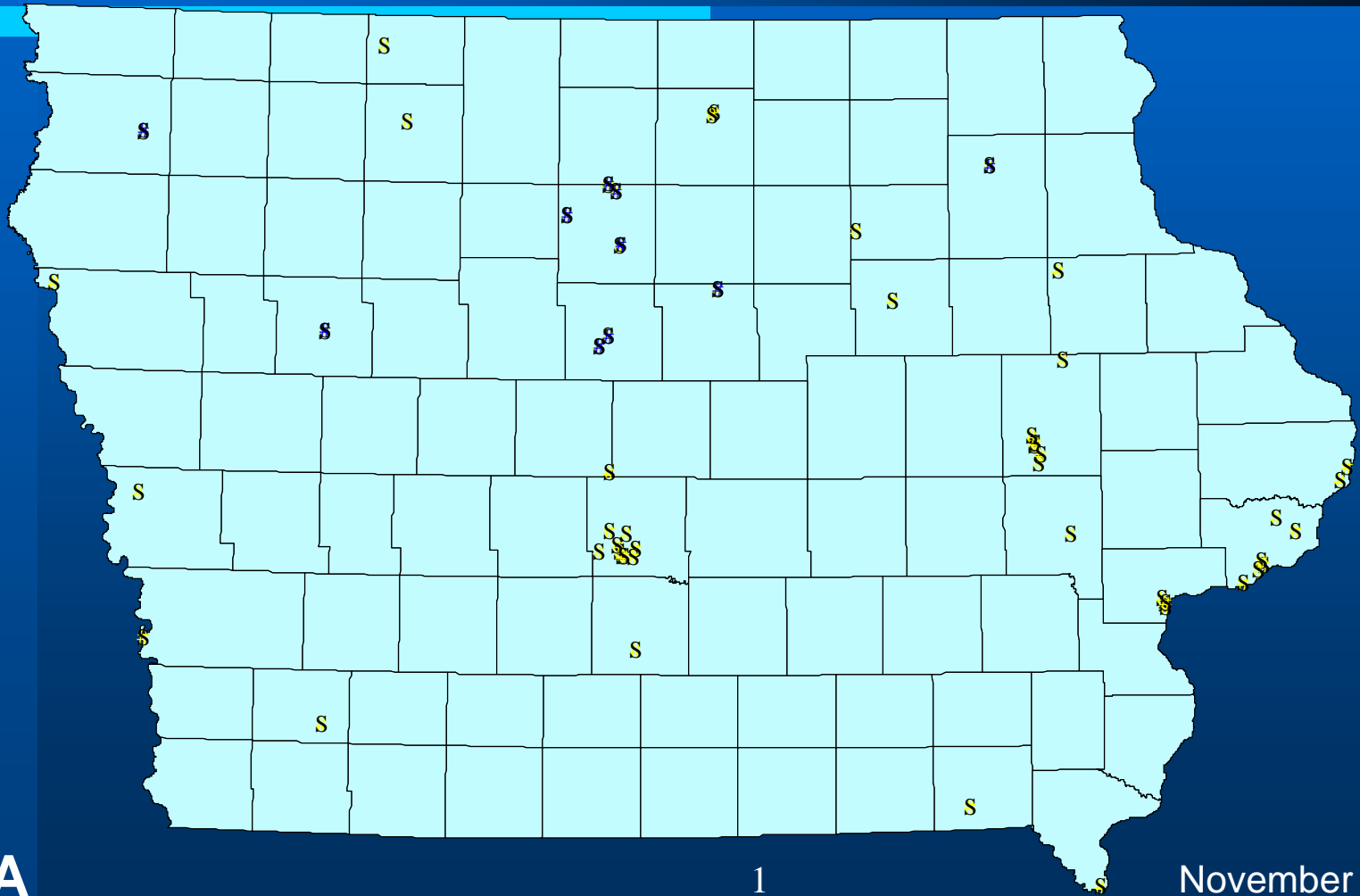


Ambient Monitoring Sites

(Blue dots=CAFO sites, yellow dots =Federal sites)



Monitor Types

Monitor	Number
Nitrogen Dioxide	3
Toxics	3
Carbon Monoxide	5
Sulfur Dioxide	10
Hydrogen Sulfide	10
Ammonia	11
Ozone	13
PM ₁₀	21
PM _{2.5}	31

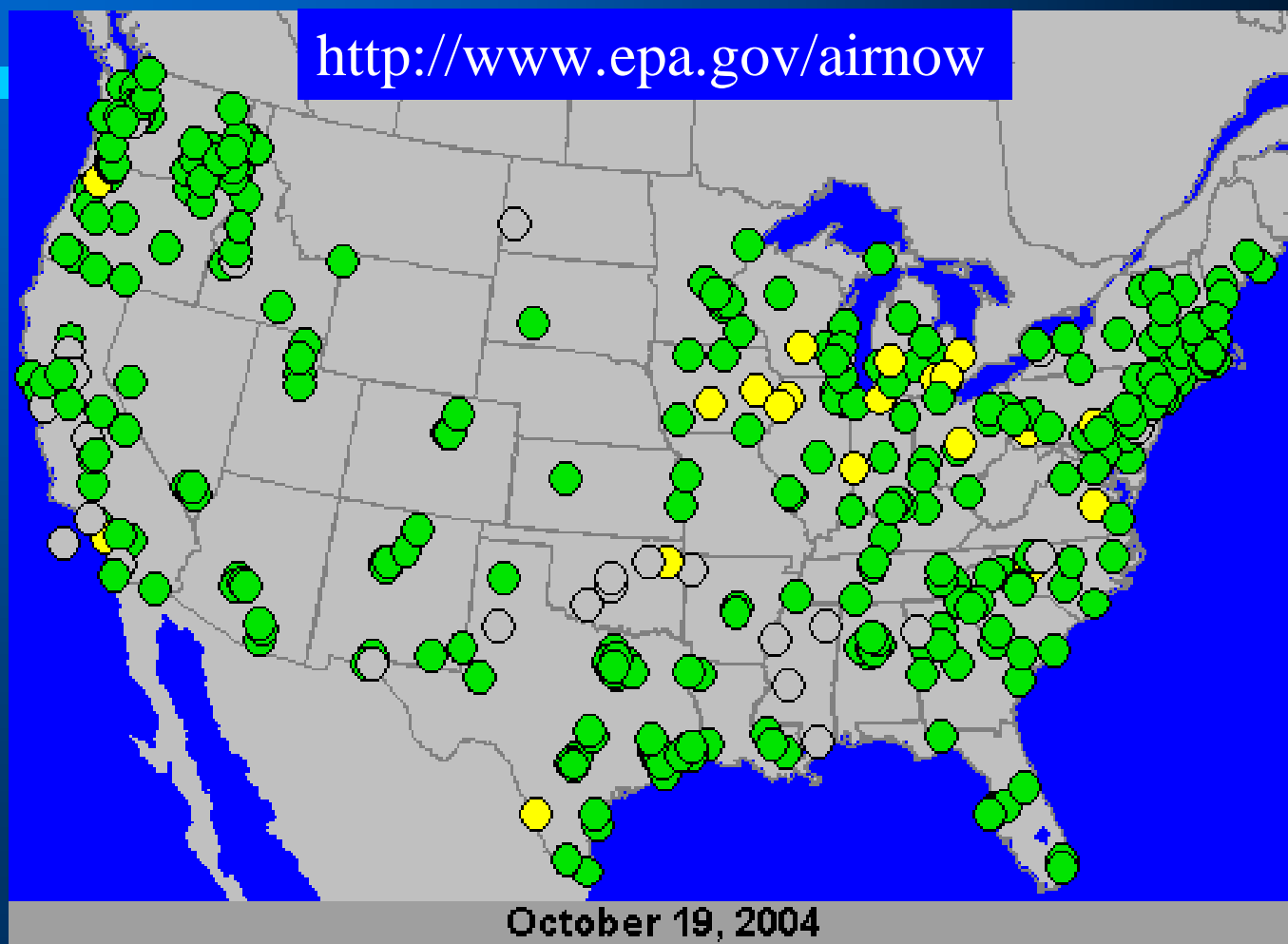
EPA's Air Quality Index

Air Quality	Air Quality Index	Health Advisory (Particle Pollution)
Good	0-50	None.
Moderate	51-100	Unusually sensitive people should consider reducing prolonged or heavy exertion.
Unhealthy for Sensitive Groups	101-150	People with heart or lung disease, older adults, and children should reduce prolonged or heavy exertion.
Unhealthy	151-200	People with heart or lung disease, older adults, and children should avoid prolonged or heavy exertion. Everyone else should reduce prolonged or heavy exertion.
Very Unhealthy (Alert)	201-300	People with heart or lung disease, older adults, and children should avoid all physical activity outdoors. Everyone else should avoid prolonged or heavy exertion.

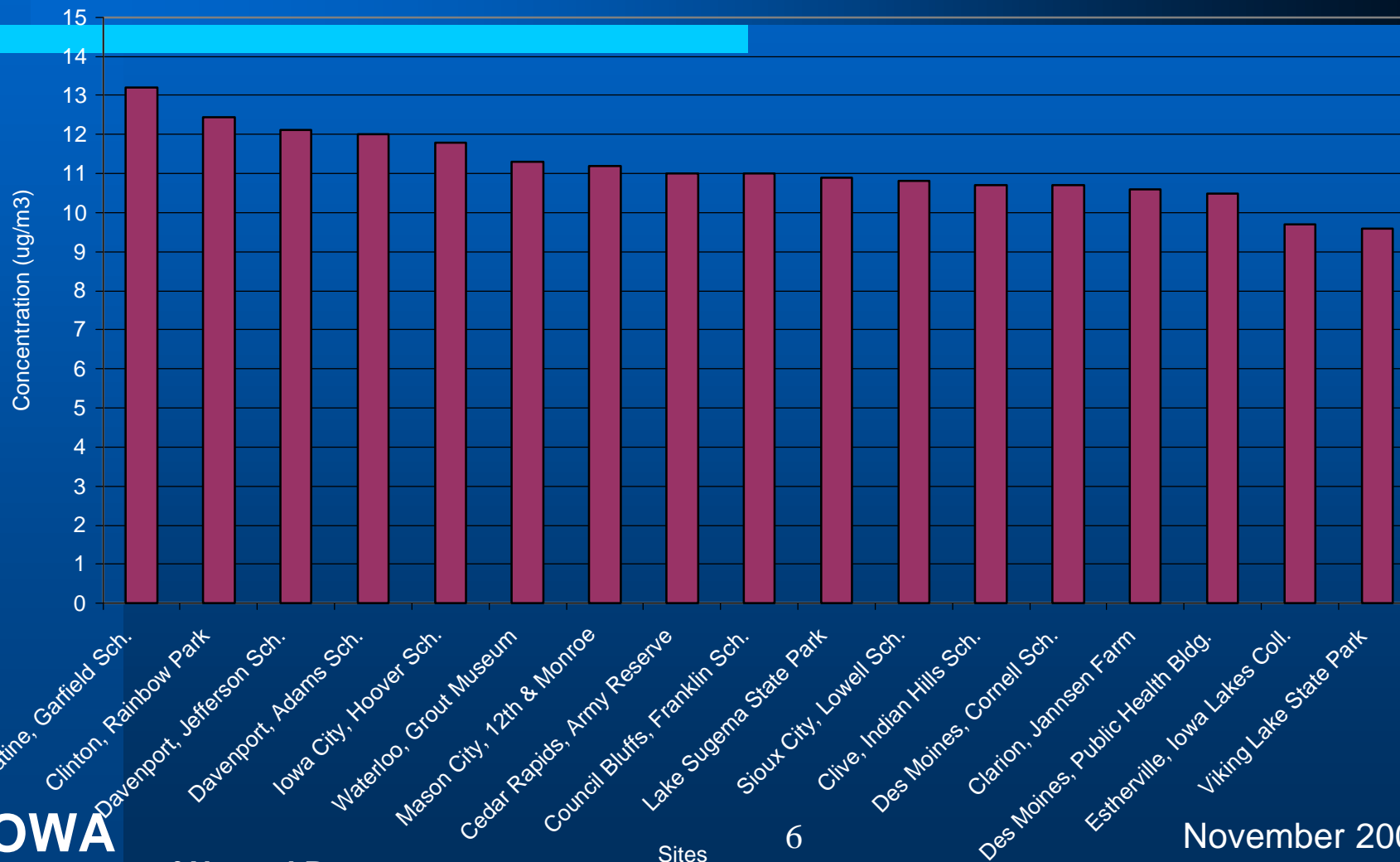
AQI Levels over 100 (2004 to date)

Pollutant	Location	Date	Conc.	AQI
PM ₁₀	Mason City	1/14/04	162 mg/m ³	104
PM _{2.5}	Mason City	2/18/04	42.3 mg/m ³	105
PM ₁₀	Emmetsburg	4/18/04	158 mg/m ³	102
PM _{2.5}	Muscatine	7/2/04	59.3 mg/m ³	138
PM ₁₀	Buffalo	9/20/04	171 mg/m ³	109

Realtime Ozone and PM_{2.5} Data Reported at EPA's AIRNOW



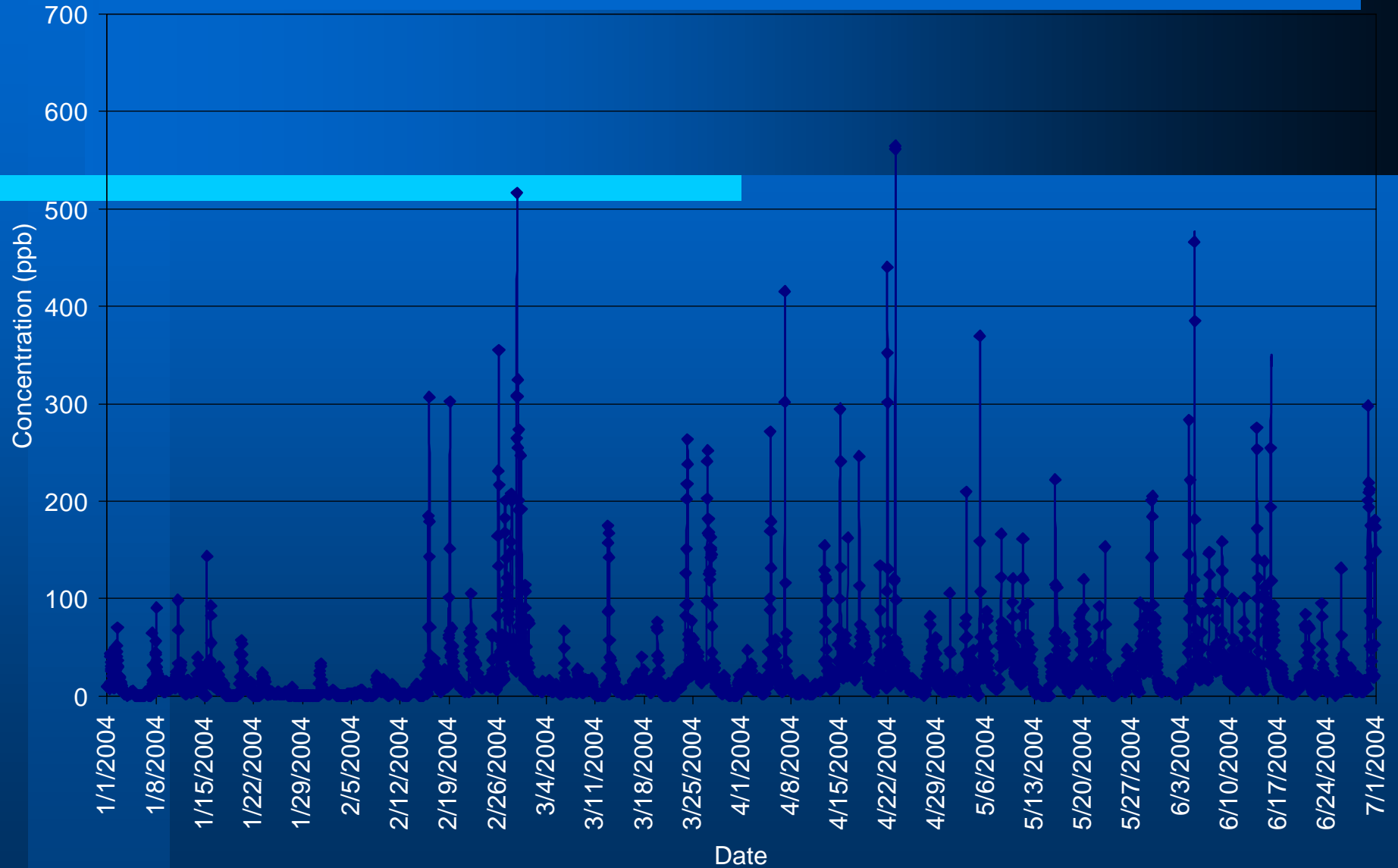
Comparison of 2003 Monitored Values to Annual PM_{2.5} Standard (15 mg/m³)



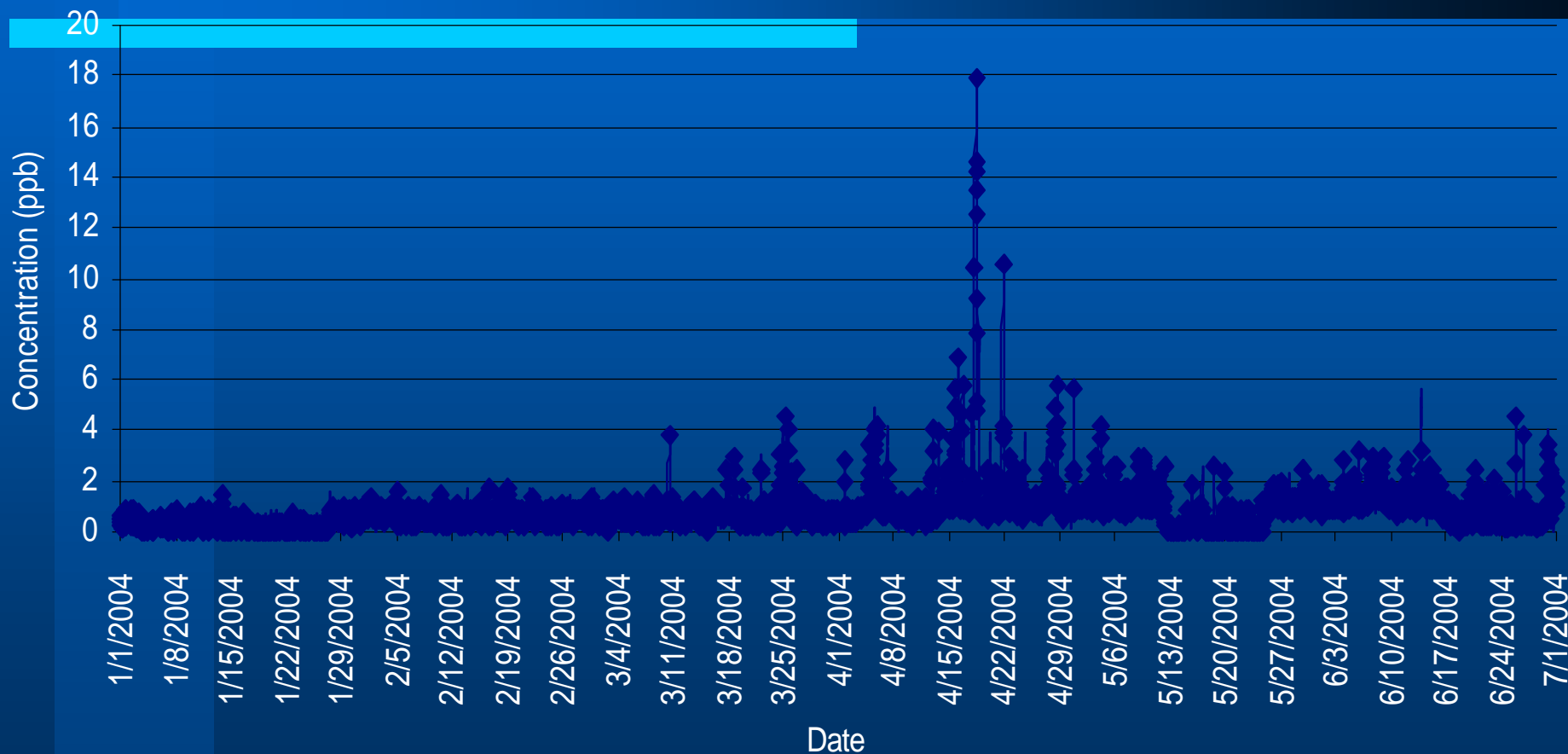
CAFO Monitoring

- 10 sites
- Hydrogen sulfide, ammonia, wind speed and direction
- At houses neighboring large hog, cattle, dairy and chicken confined animal feeding operations (CAFO's)

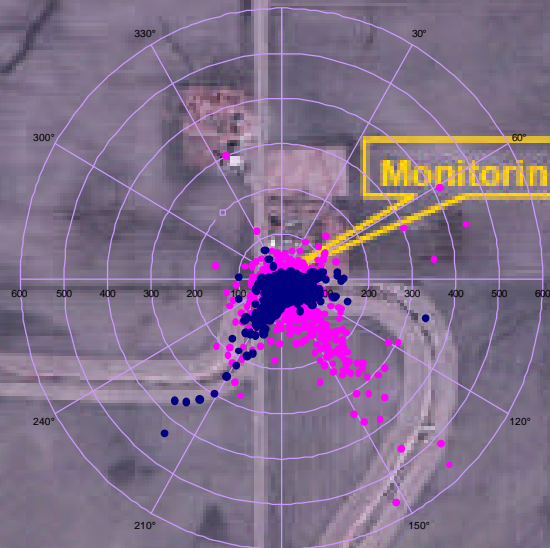
Clarion CAFO: Ammonia Data



Clarion CAFO: Hydrogen Sulfide Data



Clarion Monitoring Site



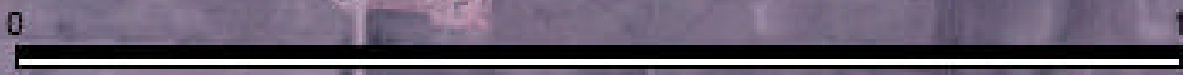
Hogs

Monitoring Site

Data: 1/04-6/04

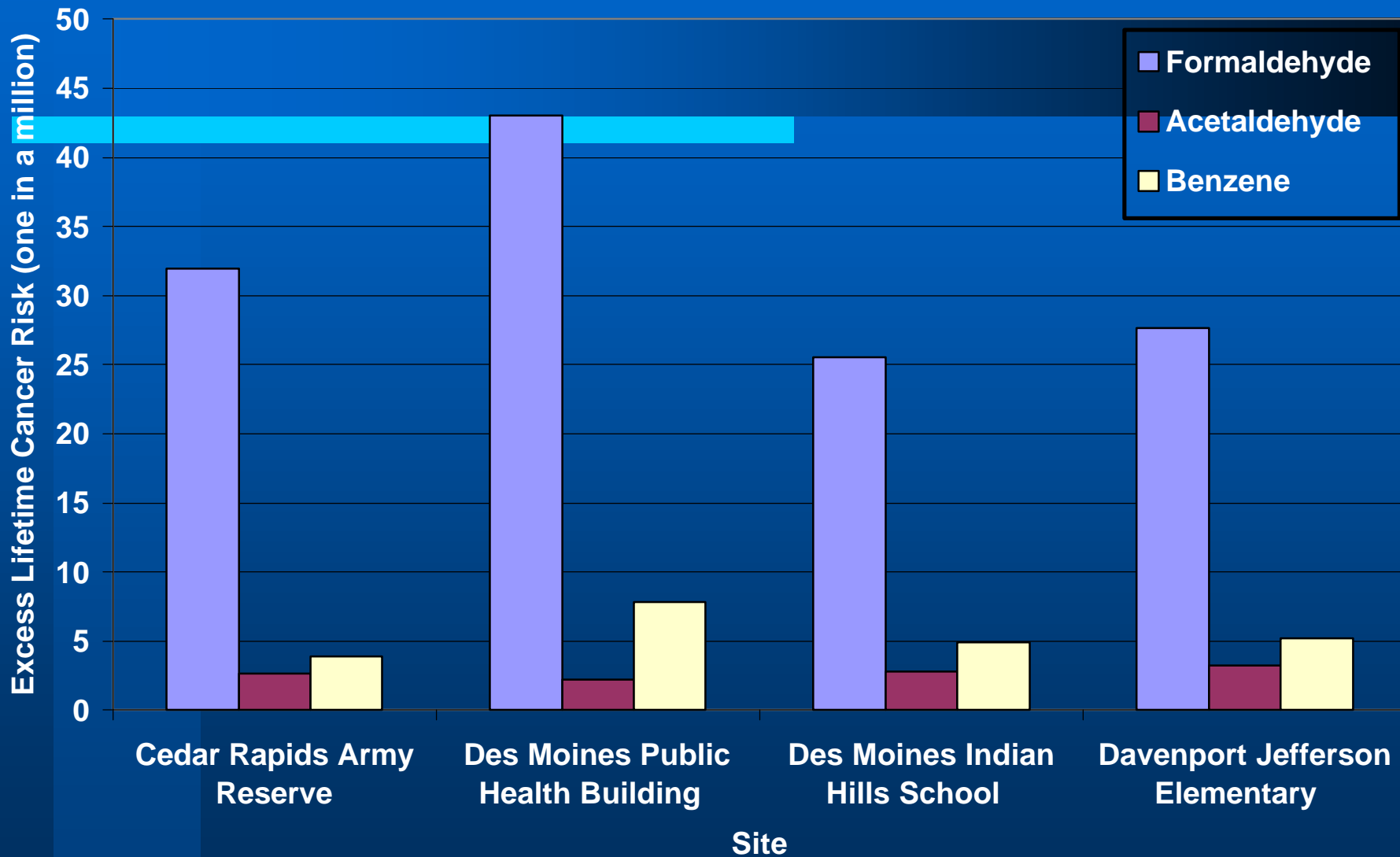
Blue dots: H_2S

Pink dots: NH_3



Chickens

Toxics Monitoring Results: 2003



Contact information

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