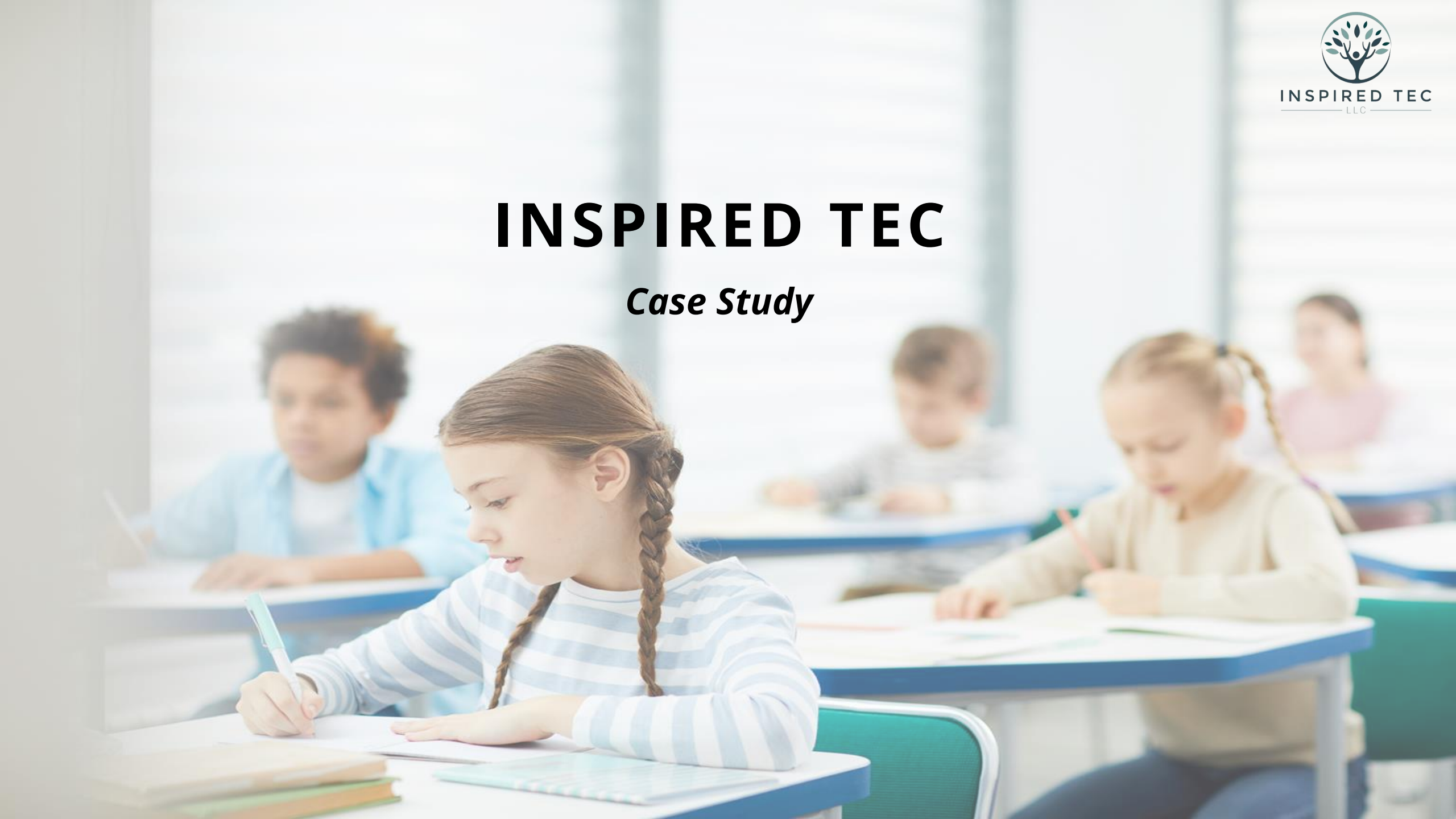




INSPIRED TEC  
LLC

# INSPIRED TEC

## *Case Study*



# Case Study

**Test Location: School System in Pennsylvania**

**Subject Test Area: Administrative Offices**

**Test Date: 3/24/21-4/2/21**

**Equipment Used:**

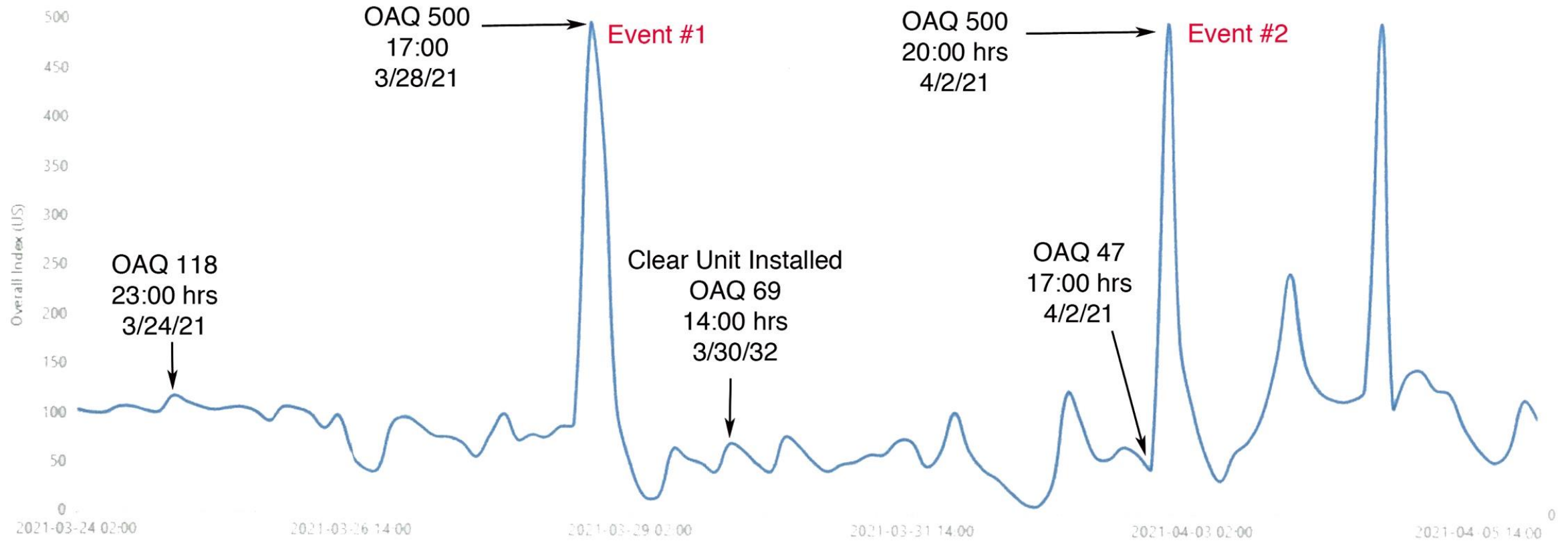
**Inspired TEC Clear Unit**



**Flair Indoor Air Quality Monitor**



# Overall Air Quality Graph

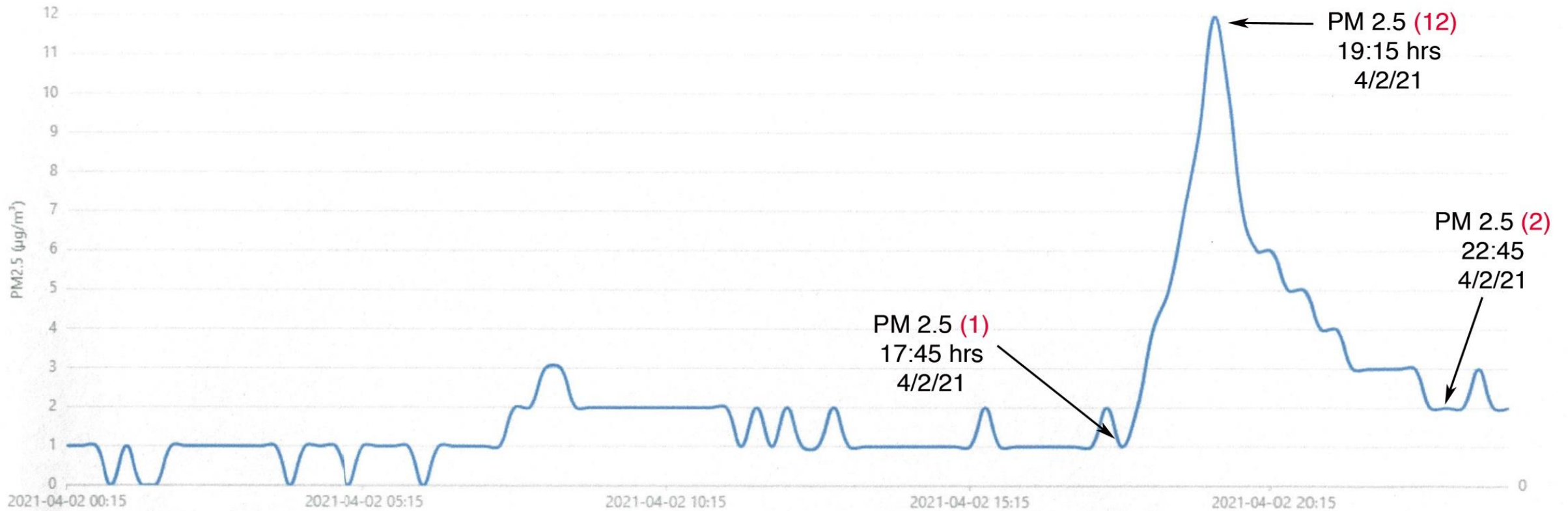


# PM 2.5 Before Installation



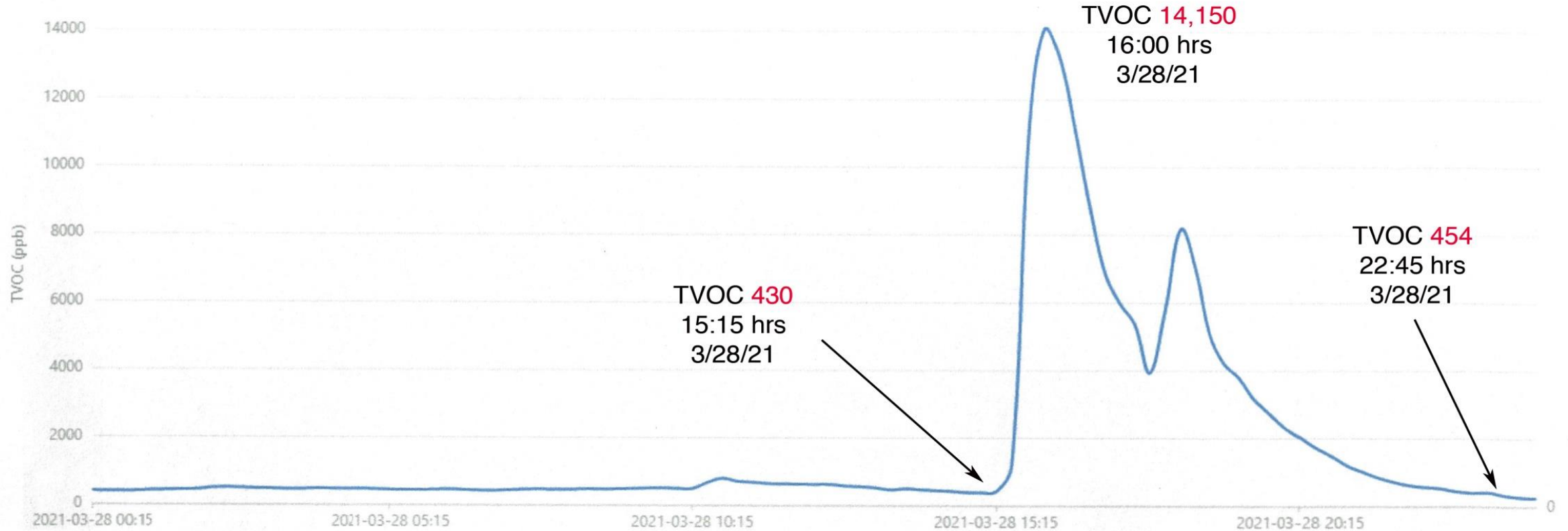
Note: PM 2.5 Spike is Event #1 Slide 3

# PM 2.5 After Installation



Reference Event #2 on Slide 3

# TVOC Before Installation



Recovery Time 7 ½ Hours  
Reference Event # 1 Slide 3



# TVOC After Installation



Recovery Time 5 ½ Hours

\* TVOC Count is 2.4 Times Greater than 3/28/21 Event#

2

Reference Event # 2 on Slide 3.

# Results

## Evaluation of TVOC:

- Inspired TEC equipment reduced TVOC recovery time by **12 hours**.
- Inspired TEC equipment provided a **70%** reduction in recovery time in TVOC Event.

## Evaluation of PM 2.5:

- Inspired TEC equipment was able to reduce PM 2.5 Average by **70%**
- Inspired TEC equipment was able to reduce recovery time on PM 2.5 by **41%**



# Conclusions

- Inspired TEC is effective in reducing PM 2.5 the spectrum where dangerous pathogens are found including COVID-19. Results indicated a 70% reduction in average PM 2.5 levels over the evaluation period 3/28-4/2.
- Inspired TEC is effective in reducing TVOC's.
- Inspired TEC reduced recovery times by 70% during TVOC Event.\*
- The Flair indoor air quality monitor enables the facility to measure in real time key metrics for IAQ.
- Inspired TEC can offer a comprehensive solution across the entire school for improved IAQ and a healthy environment for students, guests and staff.

*\*Outdoor burning in adjacent property was likely trigger for TVOC Events.*