

## PRODUCT SUMMARY

# Air Quality Monitoring - Data Management and Reporting

Solving your  
Monitoring Problems  
to make your life easier



We specialize in automating data collection, presentation, and reporting for your projects. Data can be managed on our cloud-based systems in real-time or sent to our customers own platform using an API. This flexibility extends to PDF reporting, with both template and custom options available based on the project application.

## DATA MANAGEMENT AND REPORTING

Item	Description
Aeroqual Cloud	Remotely access your real-time monitoring data and manage your network (2-way communications)
Eagle.io Platform	Our data management platform for complex project requirements and advanced data analysis
Aeroqual Reporting	Site contribution dashboards and daily PDF reports in compliance with SCAQMD Rule 1466 and NYSDEC DER-10 CAMP guidelines.
Tableau and Eagle.io Reporting	Automated PDF reports including layout, graphs, tables and company branding. Issue daily, weekly or monthly - we have templates available and can design new reports on request

## BENEFITS

- ▶ **Manage your data network form anywhere**
- ▶ **Visualize your data in real-time with dashboards**
- ▶ **SMS/Email alerts for exceedances and hardware health**
- ▶ **Two-way communications for remote access to monitor**
- ▶ **Automated PDF reports for CAMP projects**



## FEATURES

- ▶ Large network managing 6 million data points per day
- ▶ 2-way communications to the monitor
- ▶ Back up data, re-sync when connected
- ▶ Mobile app, API integration and WiFi/4G connection

## BENEFITS

- ▶ 99% uptime due to data re-syncing and reliable network
- ▶ SMS/Email alert with 60 seconds of an event
- ▶ Change settings and calibrate remotely
- ▶ Advanced graphs including wind rose plots



## FEATURES



- ▶ Acquire data in real-time from any data logger or text file
- ▶ Custom dashboards with data from multiple sensor types (air/noise vibration)
- ▶ Map view with live data updates (including camera)
- ▶ Advanced data editing and real-time calculation processors

## BENEFITS

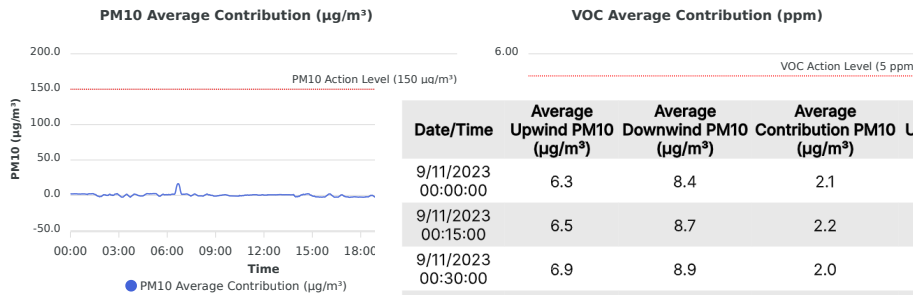
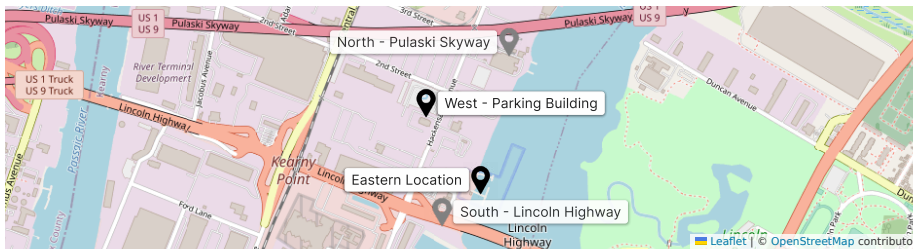
- ▶ More customization than Aeroqual Cloud
- ▶ Company branded dashboard, embed website content
- ▶ Live video data for security and remote site management
- ▶ Calculate complex results in real-time for AQI and the heat index



	<b>Air Monitoring Report</b>	<b>Kearny Point Remediation</b>		
		<b>Report Period</b>		
		<b>From:</b>	9/11/2023 00:00	
		<b>To:</b>	9/11/2023 23:59	
		<b>PM10 Action Level:</b>	150.0 µg/m <sup>3</sup>	
		<b>VOC Action Level:</b>	5.00 ppm	

<b>Daily Environmental Summary</b> 9/11/2023	<b>Windspeed (mph)</b> 1.5-23.8	<b>Prevailing wind direction</b> ENE
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<b>Daily Monitoring Summary</b>	<b>PM10 (µg/m<sup>3</sup>)</b>	<b>Time</b>	<b>VOC (ppm)</b>	<b>Time</b>
<b>Min Contribution (15 min avg.) - 9/11/2023</b>	-2.8	20:15	-0.01	16:00
<b>Max Contribution (15 min avg.) - 9/11/2023</b>	50.6	22:30	0.00	04:00



Date/Time	Average Upwind PM10 (µg/m <sup>3</sup> )	Average Downwind PM10 (µg/m <sup>3</sup> )	Average Contribution PM10 (µg/m <sup>3</sup> )	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
9/11/2023 00:00:00	6.3	8.4	2.1	0.00	0.00	0.00	7.9	E
9/11/2023 00:15:00	6.5	8.7	2.2	0.00	0.00	0.00	7.6	ENE
9/11/2023 00:30:00	6.9	8.9	2.0	0.00	0.00	0.00	7.8	E
9/11/2023 00:45:00	7.3	9.4	2.1	0.00	0.00	0.00	7.6	E
9/11/2023 01:00:00				0.00	0.00	0.00	9.6	W
9/11/2023 01:15:00	1.4	3.7	2.3	0.00	0.00	0.00	7.0	W
9/11/2023 01:30:00	2.5	4.0	1.4	0.00	0.00	0.00	6.0	WNW
9/11/2023 01:45:00	3.4	2.1	-1.4	0.00	0.00	0.00	5.8	ENE

## BENEFITS

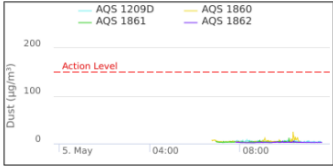
- ▶ Daily Compliance Reports for NYSDEC DER-10 CAMP and SCAQMD Rule 1466
- ▶ Automatically assign upwind and downwind stations based on wind direction
- ▶ Automatically calculate site contribution (DW – UW) for multiple parameters and stations
- ▶ Rolling averages for 1 min, 15 min, 30 min and 2 hours (as examples)
- ▶ Auto report schedulers (weekdays, weekend etc), send to any email address
- ▶ Advanced settings including zero filters, contribution exceedance summary, action levels

	<b>DAILY AIR MONITORING REPORT</b>		Date: 05-05-2022	
	1061 E Elizabeth Ave Linden NJ		Dust Action Level	150 µg/m <sup>3</sup>
			TVOC Action Level	0.5 ppm

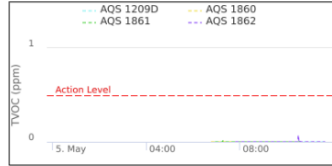
Weather Date Range for Work Day	Wind Direction	SSE	Relative Humidity (%)	46.1	81.4	Work Area:				
Temp (°F)	53.6	64.2	Wind Speed (MPH)	2.1	10.2		Barometer (inHg)	30	30	Daily Rain (in)

Station location Work Area	Daily Avg Dust Concentration (µg/m <sup>3</sup> )	Max 15 Min Dust Concentration (µg/m <sup>3</sup> )	Daily Avg VOC Concentration (ppm)	Max 15 Min VOC Concentration (ppm)
AQS 1209D	3.996	7.82	0	0
AQS 1860	4.702	24.56	0	0
AQS 1861	3.161	11.75	0	0.01
AQS 1862	2.478	2.478	0.001	0.07

**PM10 DUST MONITORING RESULTS**

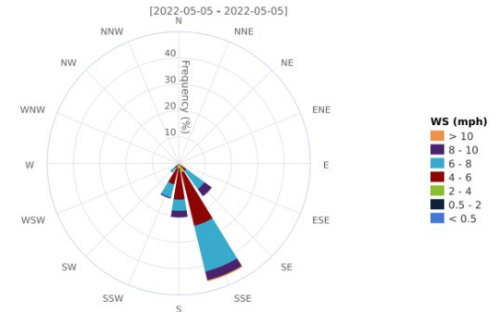


**VOC MONITORING RESULTS**



Notes:

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## BENEFITS

- ▶ Custom tables/graphs and calculations
- ▶ Windrose plots for weather data
- ▶ Maps, figures, note sections and other tiles available
- ▶ Custom branding for your company
- ▶ Schedule daily. Weekly or monthly reports