Air Monitoring
Keeping your indoor air quality healthy

Why air monitoring is important

- *Demonstrate clean air on premises evaluate clean air policies*
- *Identify hotspots needing attention*
- *Evaluate ventilation effectiveness*
- *Promote lung health among employees or patrons*
- *Communicate clean air narratives to your community*

General Procedure for Air Monitoring Technical Support

Assessing Broad Needs

- What are the long-term goals?
- What are the short-term goals?
- What is the intended audience?
- What kinds of reports and recommendations are needed?

Determining What Kind Of Air Monitoring Would Fulfill The Needs

- Air quality measured over time
- Long-term or peak exposures
- Identifying hotspots of exposure
- Long-term data over days or weeks
- Determining personal exposure by role

Tailoring On-Site Protocol

- What locations will be monitored? With power access
- Who will perform personal monitoring?
- Choose dates and duration of monitoring
- Long-term data over days or weeks
- Choice of stationary or wearable devices

Deploying Equipment, Training Personnel, and Gathering Data

- Deploy monitors at locations and with personnel
- Train personnel doing personal monitoring
- Gather data insuring security and privacy
- Retrieve equipment
- Raw real-time data are made available to customer/client

Perform Data Analysis and Reporting

- Retrieve all data from devices or the cloud
- Generate confidential data reports and visualizations
- Communicate findings and recommendations
- Data are owned by client/customer

What are the Tribe's or Casino's Management Team Commitment?

- Provide access to casino floor/areas chosen for data collection
- Allow PHEI to install and remove monitors
- Keep air monitors on site for up to 14 days

What Security Measures Protect the Data?

- *Secure* web portal
- *Only personnel designated by the tribe* can access data and reports
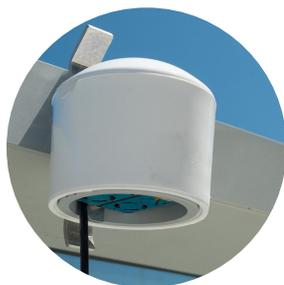- All data are *owned by the tribe*

Wellness Innovations for Native Nations (WINN)

PHEI Partnership *for* Health Equity and Inclusion

Types of Air Monitors

Purple Air Stationary Monitors

- Measures real-time airborne particle levels
- Operates for long periods of weeks, months, or years
- Need power connection to a nearby outlet
- Optionally connect to battery power
- Needs Wifi connection to retrieve data remotely
- Saves data to cloud

- Optional SD card to save data on the device
- No microphones, cameras, or other surveillance
- Can view real-time data on the web or using a mobile app
- Data can be kept private or made public
- Learn more at **purpleair.com**

Outdoor Monitor

- Weatherproof
- Fits in the palm of your hand
- Long power cable
- Bracket for mounting on beams or posts

Indoor Monitor

- Size of a computer mouse
- Sites on shelf, counter, table, or desk
- Plug into wall power or laptop via USB
- Optional LED indicates pollution level

Atmotube PRO Personal Air Monitor

- Measures real-time particulate matter, volatile organic compounds, temperature, humidity, pressure
- Battery operated
- Small and Portable
- Can be worn on a belt, backpack, around neck, etc.

- Stores 10 days of real-time data
- Connects to mobile apps to view and share data
- Learn more at: **atmotube.com/atmotube-pro**

ATMO App for Measuring Daily Exposures (iOS and Android)

- Carry around all-day
- Characterize fluctuations in daily exposure
- Map locations of high exposure

Event Recorder App (iOS and Android)

- Record data for specific events
- Add contextual tags
- Create compelling narratives of exposure

Contact PHEI

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