

## Asheville-Buncombe Air Quality Agency Community Science Station Application Process

**Vision:** To provide a platform for students, advocates, interested community members, and scientists to experiment with personal air sensors with the ability to evaluate sensor technology by comparing data from quality-assured regulatory monitors.

### Community Science Station Facility:

The Community Science Station (CSS) is located at the Buncombe County Board of Education building at 175 Bingham Road, Asheville NC. The shelter is located in an area with adequate air circulation without obstructions (e.g. buildings, trees). It is located  $\leq 10$  meters from Asheville-Buncombe Air Quality Agency (AB Air Quality) federal reference method monitors, where data from these instruments are available upon request. The aluminum monitor structure includes multiple shelves, allows for air flow throughout the shelter, and includes a 120V power supply if needed. Access to the site is typically Monday through Friday from 8AM-5PM and must be coordinated with Buncombe County Schools.

### Application Process:

1. Complete the Application Coversheet.
2. Prepare a one-page essay outlining the following information:
  - a. Study Design (including research question(s), methodology, and plan for data processing/analysis approach)
  - b. Sensor Technologies
  - c. Study Timeline (including duration of study and proposed access times to the site).
3. Send the Application Coversheet and Essay to [airquality@buncombecounty.org](mailto:airquality@buncombecounty.org).

**\*\* Please Note:** Once the application is accepted, all volunteers with access to the Community Science Station must apply to be a volunteer at Buncombe County Schools. Additional information regarding this process will be provided once the application has been accepted.

### Data Reporting and Follow Up:

1. To participate in the Community Science Station project, it is required that all data collected on sensors while using the CSS be shared with AB Air Quality within 30 days of the study's conclusion (or every 3 months should the study last longer than 3 months). The agency's copy of the data could potentially be subject to a public information request. This information will be used to increase agency and community understanding of emerging technologies.
2. Asheville-Buncombe Air Quality wants to learn from your research; therefore, all conclusions and interpretations made during your study are to be shared with AB Air Quality via e-mail and/or a scheduled presentation within 60 days of the study's conclusion.<sup>1</sup> If the results are included in a published report, it is requested that these materials be shared with AB Air Quality prior to publication.



## Community Science Station Application Coversheet

Please allow a minimum of 10 business days for staff to process this request. You will be contacted via. e-mail if further information is requested and/or when a decision has been made.

Name: \_\_\_\_\_ Professional Title: \_\_\_\_\_

Organization: \_\_\_\_\_ Phone: \_\_\_\_\_

Address: \_\_\_\_\_

E-mail: \_\_\_\_\_

Please provide a brief description of your proposed study (1-2 sentences).

Proposed Sampling Start Date: \_\_\_\_\_

Proposed Sampling End Date: \_\_\_\_\_

Monitor Make and Model: \_\_\_\_\_

Pollutant Measured: \_\_\_\_\_

List of Individuals Accessing the CSS: \_\_\_\_\_

I, for myself and on behalf of my heirs, assigns, personal representatives and next of kin, hereby release and agree to indemnify and hold harmless Asheville-Buncombe Air Quality Agency, Buncombe County and Buncombe County Schools, their employees and other representatives (the "Releasees") from any and all losses, claims, suits, causes of actions, damages, fines, penalties, costs, liabilities and expenses while using the Community Science Station.

I agree to submit all data collected at the Community Science Station during the duration of my study to Asheville-Buncombe Air Quality Agency within 60 days of the study's conclusion, or every three months, should the study last longer than three months.

I agree to share all conclusions made from this study with AB Air Quality within 60 days of the end of the study.<sup>1</sup> Should the results be included in a published report, I will share these materials with AB Air Quality prior to publication.

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

<sup>1</sup>Time frame can be extended upon request. Conclusions and views expressed in studies are those of the authors and do not necessarily reflect the views or policies of the Asheville-Buncombe Air Quality Agency.

Following completion, please return this Coversheet along with your Application Essay to AB Air Quality by e-mailing: [airquality@buncombecounty.org](mailto:airquality@buncombecounty.org).



## **Community Science Station Application Essay**

Please provide a one-page essay that explains a) your study design (including research question(s), methodology, and plan for data processing/analysis approach), b) sensor technologies used in your study, and c) a study timeline (including duration of study and proposed access times to the site).