

# AIR QUALITY PERMITTING

Performing all phases of  
air quality work from  
permitting to performance  
testing and compliance  
reporting

# AIR QUALITY PERMITTING CAPABILITY STATEMENT

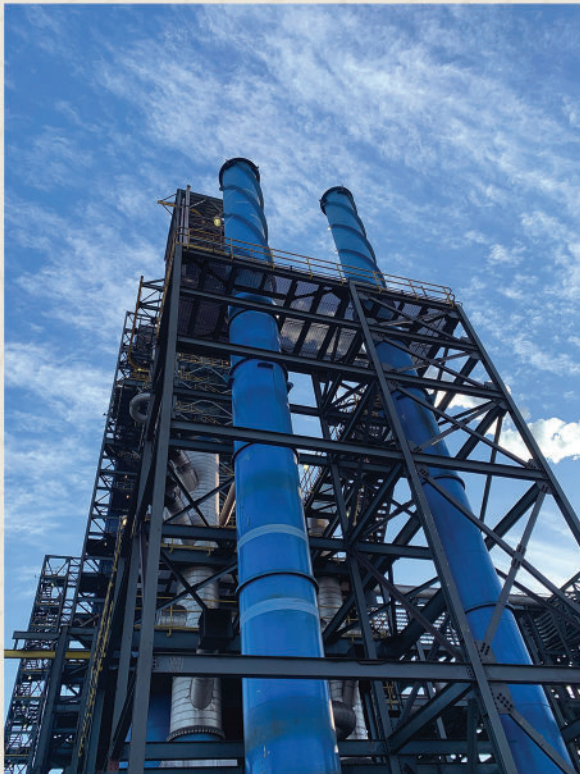


Broadbent's team provides top-quality air permitting services in a variety of industries. We generate applications for revisions or expansions of permitted facilities, permit renewals, and ground-up authority to construct and general operating permit applications for new projects. These situations demand development of control technology analyses, dispersion modeling, and emission quantification assessment. Our air specialists have decades of experience performing this work.

Our expertise includes both major Class I (Title V) and minor Class II sources and complex sources such as power plants and large industrial facilities. We also prepare monitoring protocol documents and annual reports and emission inventories during annual reporting periods.

## SERVICES

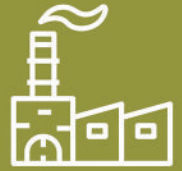
- Compliance management, reporting, and consulting
- Control technology assessments
- Dispersion modeling
- Emission factor research and development
- Emission inventory and annual reporting
- Federal air regulatory program applicability analyses
- Permit applications, modifications, and renewals
- Public outreach



## CONTACT INFORMATION

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# STACK TESTING

Testing professionals  
with decades of  
experience conducting  
routine and specialized  
tests

# STACK TESTING CAPABILITY STATEMENT



Broadbent brings great value to our clients by not only offering full-service compliance testing but also engineering test evaluations for new or modified equipment. Our emission/stack testing services are comprehensive, and our testing professionals have decades of experience conducting routine and specialized tests. Each of our team members are OSHA, MSHA, and aerial lift trained, and we have the staff, equipment, and expertise necessary for conducting complex multiple source simultaneous testing programs.

Broadbent also provides odor assessment for ambient community settings. This work helps to quantify the strength of nuisance odors and to map their occurrences in a neighborhood or industrial locale.

## SERVICES

- Compliance testing for criteria pollutants
- Air toxic testing, including Mercury
- PM10 monitor operations and reporting preparation
- RATA testing for CEMS
- Method 9 performance testing

## OUR SPECIFIC TESTING CAPABILITIES INCLUDE:

- H<sub>2</sub>SO<sub>4</sub>/SO<sub>2</sub>, HCl/Cl<sub>2</sub>, NH<sub>3</sub> (Methods 8, 26A, and BAAQMD ST-1B)
- Metals such as Mercury and Chromium (Method 29)
- NO<sub>x</sub>, CO, SO<sub>2</sub>, CO<sub>2</sub>/O<sub>2</sub> and VOC (Methods 7E, 10, 6C, 3A, and 25A)
- PAH, Dioxin/Furan, HCl, and HAP
- PM/PM<sub>10</sub>/PM<sub>5</sub> (Methods 5, 17, 201A and 202)
- RATA testing for CEMS (Specifications 1 - 4, 6, and 8)
- Odor assessment utilizing Nasal Ranger®
- Opacity testing (Method 9)



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