

NCASI Methods Manual

Section II: Air Sampling Methods

Introduction

Section II contains the methods used to measure air emissions from forest products industry sources. Methods are typically developed in response to a specific information need but often find applications in other areas. Changes in information needs, source characteristics (leading to matrix differences) and improvements in analytical instrumentation create the need to update existing methods.

The guidelines and format used for these methods are presented in Appendix C and are generally consistent with the current EPA format for air sampling methods. The methods in this section are identified by title for methods developed by NCASI. EPA approved methods, such as Method 8A, “Determination of Sulfuric Acid Vapor or Mist and Sulfur Dioxide Emissions from Kraft Recovery Furnaces” are identified with the EPA method number as well as the title. The date of issue of each method can be found in the lower right corner of each page of the method.

As method applications expand, it is important to continue to monitor the Quality Assurance and Quality Control (QA/QC) parameters of the methods. Information on method performance, method modification or comments on the method contents are welcome and should be addressed to the originating center.

These methods are developed for specific applications and therefore, may not be applicable to all air emissions testing scenarios. The applications and limitations are described in each method and should be considered prior to using the method for other purposes. In all cases, the laboratory should monitor the QA/QC parameters of the method.

The laboratories conducting sample analyses are also responsible for addressing safety, pollution prevention and waste handling practices in a manner consistent with federal, state and local requirements as well as the chemical hygiene practices of their facility.