
Air



Preparation of Fine Particulate Emission Inventories

Student Workbook

APTI Course 419B

How to Use this Workbook

This workbook is to be used during classroom instruction, and telecourse sessions. This workbook contains the slides used by the presenter as well as space for taking notes.

The goal of the presentation is to go over many of the topics presented in the Student Manual. At times during the presentation, content has been condensed and at other times expanded with further explanation. This workbook will match the slide show exactly.

The Student Manual will contain the instructional objectives and detailed materials for each of the seven chapters. It would be useful to have the Student Manual with you during the presentation as references may be made to it. In addition, some graphics might be hard to read during the presentation, but all graphics used in the presentation can be found in the Student Manual.

Notice

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Availability

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This publication is available, free of charge, to schools or governmental air pollution control agencies intending to conduct a training course on the subject matter. Submit a written request to the Air Pollution Training Institute, USEPA, Mail Drop E14301, Research Triangle Park, NC 27711.

Sets of slides designed for use in the training course of which this publication is a part may be borrowed from the Air Pollution Training Institute upon written request. The slides may be freely copied. Some films may be copied; others must be purchased from the commercial distributor.

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Course Description

APTI 419B: *Preparation of Fine Particulate Emission Inventories* is a two-day, resident instructional course designed to present an advanced view of all major, practical aspects of developing an emission inventory for fine particulate matter. The course is intended primarily for employees that have a working knowledge of emission inventory terminology and techniques. The course focuses on the principal stationary nonpoint area and nonroad mobile source categories emitting PM fine particles. For select categories, the course provides a brief summary of how emissions are estimated for EPA's National Emissions Inventory (NEI), and how state/local/tribal agencies can improve upon those estimates. Case studies are used to provide real-world examples of how state or local agencies collected their own data to prepare inventories that are improvement to the NEI methods. The lessons include information on an overview of fine PM, an overview of the NEI, onroad mobile inventory development, onroad mobile inventory development, point source inventory development, area sources, fugitive dust area sources, combustion area sources, and other related topics.

The course is taught at an instructional level equivalent to that of an advanced, undergraduate university course. The Air Pollution Training Institute curriculum recommends APTI 419B: *Preparation of Fine Particulate Emission Inventories* as an advanced course for all areas of study. The student should have minimally completed a college-level education and APTI Course SI:419A – *Introduction to Emission Inventories* or have a minimum of six months of applicable work experience.

DISCLAIMER

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