

# RCRA Waste Management

Planning,  
Implementation,  
and Assessment  
of Sampling  
Activities



William M. Cosgrove, Michael P. Neill,  
and Katharine H. Hastie, editors



# **RCRA Waste Management:**

## **Planning, Implementation, and Assessment of Sampling Activities**

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*Prepared by*  
**Committee D-34 on  
Waste Management**

**William M. Cosgrove,  
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# Foreword

THIS PUBLICATION, *RCRA Waste Management: Planning, Implementation, and Assessment of Sampling Activities*, was sponsored by Committee D-34 on Waste Management. The editors were William M. Cosgrove, Michael P. Neill, and Katharine H. Hastie. This is Manual 42 in ASTM's manual series.

# Preface

THIS MANUAL, *RCRA Waste Management: Planning, Implementation, and Assessment of Sampling Activities*, was prepared by William M. Cosgrove, Michael P. Neill, and Katharine H. Hastie under the direction of ASTM's Committee D-34 on Waste Management. The purpose of the manual is to make available to practitioners a basic reference regarding the development of a sampling strategy to meet the objectives of projects associated with common RCRA waste management activities. It is intended to be a companion document to EPA's SW-846, the guidance manual for planning and conducting sampling activities under RCRA. The planning (data quality objectives), implementation (sampling and analysis), and assessment (data quality assessment) phases are discussed in this manual for a variety of waste management scenarios. This manual provides a summary of the step-by-step process for completing a sampling investigation associated with a data collection activity for waste identification purposes under RCRA. As a basis, many of the ASTM standards and guides developed by Committee D-34 are referenced as well as others from committees such as D-18 on Soil and Rock and D-19 on Water. Guidance documents from sources outside ASTM such as the U.S. Environmental Protection Agency (EPA) are also included where appropriate, as well as helpful textbooks and technical manuals. This manual uses a practical "waste pile" example to illustrate the planning, implementation, and assessment process. The authors encourage the readers to consult the references listed at the end of each chapter and appropriate experts in the areas of sample collection and handling, sample analysis, and statistical methods for data assessment.

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