

Waste Management Association

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Also in this issue:

Highlights from the 21st Coordinating
Research Council Real-World Emissions Workshop

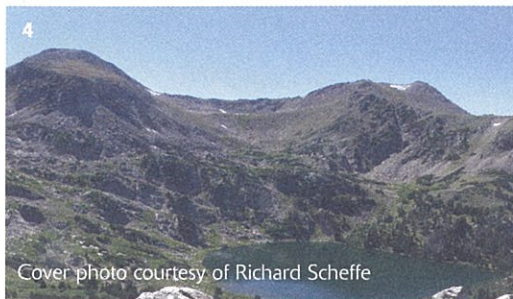
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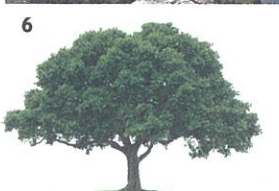
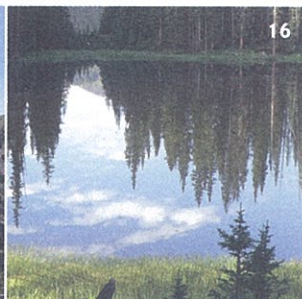
Setting Secondary Air Quality Standards

The challenge is where to draw the line between clean and polluted air





Cover photo courtesy of Richard Scheffe



COLUMNS

PM File:
Checking the List 30
by David Elam

Competitive Strategy:
Things That Can Get You Fired 32
by Richard MacLean

ASSOCIATION NEWS
Message from the President 2
 Expanding A&WMA's International Reach
by Jeff Muffat

In Memoriam 35
 In Memory of A&WMA Member Herbert C. McKee, Ph.D., 1955 - 2011

IPEP Quarterly 36

Call for Abstracts for the 2012 Annual Conference & Exhibition in San Antonio, TX .. 44

2011 ACE Outstanding Session Chair Awards 46

Member Minute 48
Susan S.G. Wierman

DEPARTMENTS

Washington Report 37
 Canadian Report 38
 News Focus 40
 Advertisers' Index 43
 Call for Abstracts 46
 Calendar of Events 47
 JA&WMA Table of Contents 47



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Setting Secondary Air Quality Standards

by Susan Wierman and Paul Miller

It seems like a simple concept: air pollution damages crops and forests, causes acid rain, and impairs visibility, so let's set "secondary" air quality standards to protect our resources against these costly externalities. ("Primary" air quality standards, as defined by the U.S. Clean Air Act, are set to protect human health.) Unfortunately, it's not so simple to sort out what the standards should be—where to draw the line between clean and polluted air. Setting secondary standards has been and continues to be challenging for the U.S. Environmental Protection Agency. The articles featured in this issue of *EM* provide a fascinating view of the process and where it stands today for four key pollutants: ozone, particulate matter, sulfur oxides, and nitrogen oxides.

Page 4

The Long and Short of It: A National Ozone Standard for Farm and Forest

by Paul J. Miller, Northeast States for Coordinated Air Use Management (NESCAUM)

Page 6

Will the Cycle Be Unbroken, or Will We See a Separate Secondary PM NAAQS Someday?

by Richard Poirot, Vermont Department of Environmental Conservation

Page 10

Development of an Ambient Air Quality Index Linking Multiple Pollutants and Multiple Environmental Media

by Richard Scheffe, Jeffrey Arnold, Christine Davis, Jean-Jacques Dubois, David A. Evans, Tara Greaver, Jeffrey Herrick, Bryan Hubbell, Lingli Liu, Jason Lynch, Karen Martin, Kristopher Novak, Norm Possiel, Anne Rea, Adam Reff, J. Travis Smith, Ginger Tennant, Paul Wagner, and Randy Waite, U.S. Environmental Protection Agency

Page 16

Highlights from the 21st Coordinating Research Council Real-World Emissions Workshop

by Mani Natarajan, Marathon Petroleum Company; Dominic DiCicco, Ford Motor Company; Kevin Black, U.S. Federal Highway Administration; Fred Minassian, South Coast Air Quality Management District; Jom Dinh Hemer and Alberto Ayala, California Air Resources Board; Rob Graze, Caterpillar Inc.; and John Koupal and Tom Long, U.S. Environmental Protection Agency

Each year, the Coordinating Research Council conducts an international workshop on "real-world" vehicle emissions in San Diego, CA, during the month of March. The 2011 workshop covered topics as diverse as on-road vehicle emission inventories, emission control measures, off-road vehicle emissions, emission trends and modeling, fuel effects related to spark ignition and compression ignition vehicles, measurement methods, particulate matter (PM) characterization, and portable PM measurement.

Page 24

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