

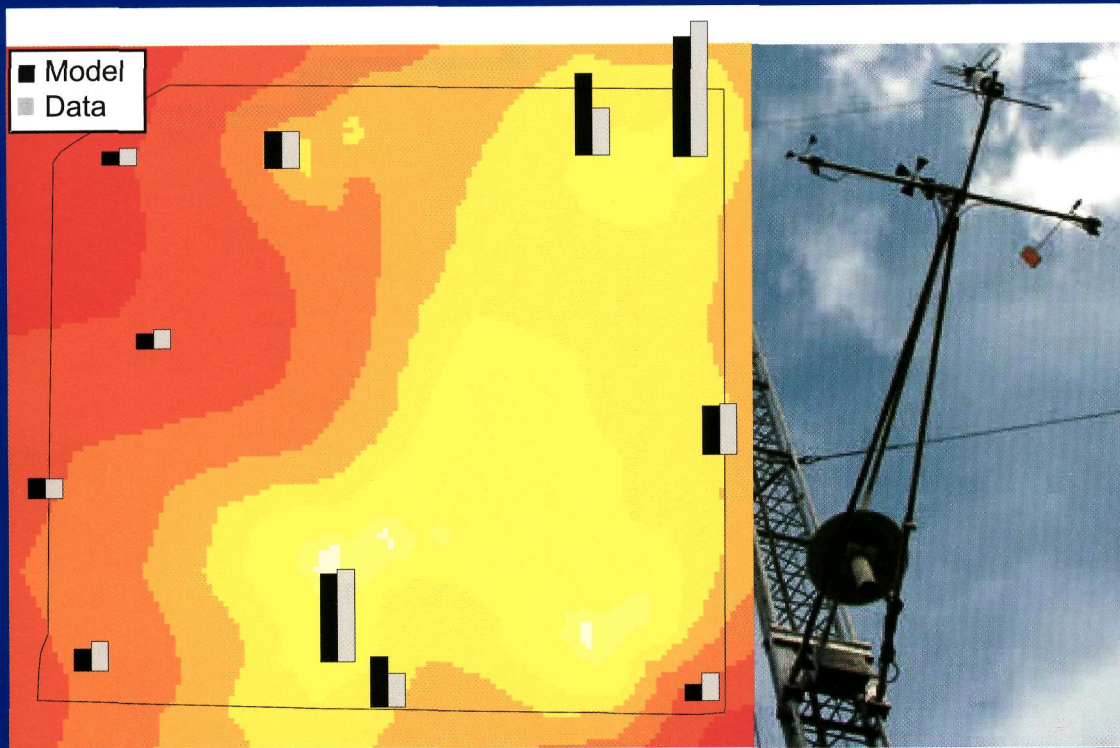
111
H43

Operational Radiation Safety

Supplement to **HEALTH
PHYSICS** VOL. 105, NO. 2, AUGUST 2013
THE RADIATION SAFETY JOURNAL



The Official Journal of
the Health Physics Society



Full Text
OVID



 **Wolters Kluwer**
Health

**Lippincott
Williams & Wilkins**

www.health-physics.com

Contents

Editorial

HPS Publications Implement Society's "SI Only" Position

Howard Dickson, Mary Walchuk,
Michael Ryan, Craig Little,
Genevieve Roessler, Kelly Classic,
and John Edwards S109

Interview

RSO Interview with Matthew Barnett
René Michel S111

Operational Topic

Evaluation and Measurements of
Radioactive Air Emission and Off-Site
Doses at SLAC S115
Ivy Chan, James Liu, and Henry Tran

Assessment of an Improved Stack
Sample Collection System for
 ^3H and ^{14}C S119
John Jelinski, Linnea Wahl,
and Thomas Donovan

A Comparison of Dose Results from the
Clean Air Act Assessment Package-1988,
Personal Computer (CAP88-PC),
Version 3 to Previous Versions* S125
Kathleen Rhoads, Sandra Snyder,
and Lissa Staven

A Best Fit Approach to Estimating
Multiple Diffuse Source Terms Using
Ambient Air Monitoring Data and an
Air Dispersion Model S140
Donald MacQueen, Nicholas Bertoldo,
and Anthony Wegrecki

Basis and Implications of the CAP88
Age-Specific Dose Coefficients S149
Richard Leggett, Patricia Scofield,
and Keith Eckerman

Comparison of CAP88 PC Ver. 3.0 and
MAXDOSE Dose Assessment Models
Involving Co-located Stack Releases at
the Savannah River Site S158
Eduardo Farfán, G. Timothy Jannik,
Patricia Lee, and Aaron Powell

Use of CAP88 at Department of
Energy Sites S164
Sandra Snyder, Gustavo Vázquez,
and Tristan Hay

CAP88-PC Version 4, an Updated
Radionuclide NESHAPS Model S169
Raymond Wood, David Stuenkel,
and Reid Rosnick

Validation Test for CAP88 Predictions
of Tritium Dispersion at Los Alamos
National Laboratory S176
Erika Michelotti, Andrew Green, Jeffrey Whicker,
William Eisele, David Fuehne,
and Michael McNaughton

Addressing Nuclides Not in the
CAP88-PC Version-3 Library S182
Michael McNaughton, Burgandy Brock,
William Eisele Jr., David Fuehne,
Andrew Green, and Jeffrey Whicker

ON THE COVER →

A mathematical optimization routine is used to simultaneously estimate air dispersion model source term values for multiple diffuse sources by finding source terms that give a best-fit of model results to ambient air data. See article by MacQueen et al. on page S140 for more information.

