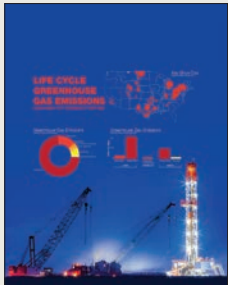


Environmental Health

ABOUT THE COVER



The November cover article, “An Assessment of Life Cycle Greenhouse Gas Emissions Associated With the Use of Water, Sand, and Chemicals in Shale Gas Production of

Pennsylvania Marcellus Shale,” focuses on upstream impacts of hydraulic fracturing for natural gas. The authors used real-world field data to assess life cycle greenhouse gas emissions associated with the production and transportation of chemicals and sand mining used in the process. The findings focus attention on large greenhouse gas emission sources that historically have had a high degree of uncertainty.

See page 8.

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ADVANCEMENT OF THE SCIENCE

An Assessment of Life Cycle Greenhouse Gas Emissions Associated With the Use of Water, Sand, and Chemicals in Shale Gas Production of Pennsylvania Marcellus Shale..... 8

Assessed Food Safety Risks Associated With Grocery Stores..... 16

Noise Exposure and Temporary Hearing Loss of Indoor Hockey Officials: A Pilot Study..... 22

Special Report: *The Permitting of Desalination Facilities: A Sustainability Perspective* 28

ADVANCEMENT OF THE PRACTICE

Building Capacity: *Building Capacity to Respond and Recover* 34

Direct From ATSDR: *Integrating a Biorepository Into the National Amyotrophic Lateral Sclerosis Registry* 38

Direct From CDC/EHSB: *Environmental Health Resources by Essential Services*..... 42

ADVANCEMENT OF THE PRACTITIONER

Career Opportunities 44

EH Calendar 44

Resource Corner..... 45

YOUR ASSOCIATION

President’s Message: *Water and Environmental Equity* 6

U.S. Postal Service Statement of Ownership 41

Special NEHA Members 47

Special Listing 48

A Tribute to Our 25-Year Members 50

NEHA News 54

NEHA 2017 AEC..... 57

DirecTalk: Musings From the 10th Floor: *Data: The Grand Simplifier*..... 58

E-JOURNAL BONUS ARTICLE

International Perspectives: *Association Between Keeping Pet Animals and Allergic Rhinitis: A Case-Control Study Among Japanese University Students*..... E1

ADVERTISERS INDEX

Custom Data Processing..... 27

Digital Health Department, Inc. 15

HealthSpace USA Inc 60

Industrial Test Systems, Inc. 59

Inspect2GO Environmental Health Software 7

Ozark River/Integrity Distribution 33

Sweeps Software, Inc. 2

The University of Findlay 33