

ENVIRONMENTAL HEALTH PERSPECTIVES, máj 2012, ročník 120, číslo 5



FOCUS

Offshore Exploration in the Arctic: Can Shell's Oil-Spill Response Plans Keep Up?

Charles W. Schmidt

A194–A199 | <http://dx.doi.org/10.1289/ehp.120-A194>

The recent federal approval of Royal Dutch Shell's oil-spill response plans for the Chukchi Sea and Beaufort seas grant exploration access to previously protected Arctic waters and is touted by advocates as a green light for recovering vast amounts of oil reserves. Critics argue that it is impossible to plan adequately for an oil spill in this inhospitable region.

FORUM

Common Bacterium Induces Histamine Production in Neutrophils

Carol Potera
A190 | <http://dx.doi.org/10.1289/ehp.120-A190>

Shark Fin Consumption May Expose People to Neurotoxic BMAA

Wendee Holtcamp
A191 | <http://dx.doi.org/10.1289/ehp.120-A191>

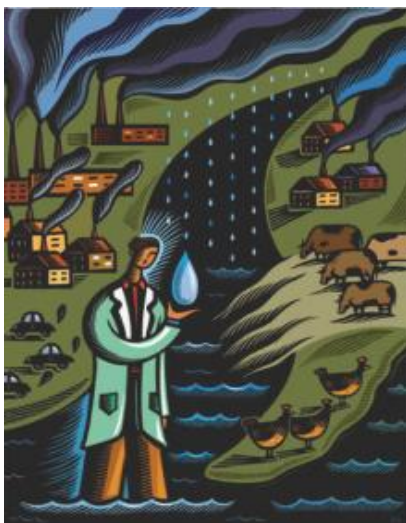
Studies Raise Questions about Pavement Sealers

Bob Weinhold
A192–A193 | <http://dx.doi.org/10.1289/ehp.120-A192a>

The Beat

Erin E. Dooley
A192–A193 | <http://dx.doi.org/10.1289/ehp.120-A192b>

SPHERES OF INFLUENCE



Wrangling Reactive Nitrogen: Strategies for Mitigating Pollution

Tim Lougheed
A200–A203 | <http://dx.doi.org/10.1289/ehp.120-A200>

Harnessing the power of nitrogen in agricultural production has helped produce a steady, plentiful supply of food, but it comes at a steep environmental health price: nitrate concentrations in local drinking water aquifers that regularly exceed the state's safety limits. Industry, transportation, and electricity generation also contribute to reactive nitrogen pollution. Recent reports outline feasible methods for better managing the flow of reactive nitrogen into the environment.

SCIENCE SELECTIONS

Suspect Sweetener: Arsenic Detected in Organic Brown Rice Syrup

Wendee Holtcamp

A204 | <http://dx.doi.org/10.1289/ehp.120-A204a>

Landscape Fire Smoke as a Cause of Death: Burning Vegetation Estimated to Kill Hundreds of Thousands Worldwide

Bob Weinhold

A204 | <http://dx.doi.org/10.1289/ehp.120-A204b>

Hearts over Time: Cardiovascular Mortality Risk Linked to Long-Term PM_{2.5} Exposure

Tanya Tillett

A205 | <http://dx.doi.org/10.1289/ehp.120-A205a>

Migration Associated with Climate Change: Modern Face of an Ancient Phenomenon

Julia R. Barrett

A205 | <http://dx.doi.org/10.1289/ehp.120-A205b>

COMMENTARIES

Arsenic, Organic Foods, and Brown Rice Syrup

Brian P. Jackson, Vivien F. Taylor, Margaret R. Karagas, Tracy Punshon, Kathryn L. Cottingham
623–626 | <http://dx.doi.org/10.1289/ehp.1104619>

Mercury Production and Use in Colonial Andean Silver Production: Emissions and Health Implications

Nicholas A. Robins, Nicole A. Hagan

627–631 | <http://dx.doi.org/10.1289/ehp.1104192>

Conducting Environmental Health Research in the Arabian Middle East: Lessons Learned and Opportunities

Karin B. Yeatts, Mohamed El-Sadig, Habiba I. Ali, Fatma Al-Maskari, Alan Campbell, Shu Wen Ng, Lisa Reeves, Ronna L. Chan, Christopher A. Davidson, William E. Funk, Maryanne G. Boundy, David Leith, Barry Popkin, Jacqueline MacDonald Gibson, Ivan Rusyn, Andrew F. Olshan

632–636 | <http://dx.doi.org/10.1289/ehp.1104031>

REVIEWS

Who Adopts Improved Fuels and Cookstoves? A Systematic Review

Jessica J. Lewis, Subhrendu K. Pattanayak

637–645 | <http://dx.doi.org/10.1289/ehp.1104194>

An Ill Wind? Climate Change, Migration, and Health

Celia McMichael, Jon Barnett, Anthony J. McMichael
646–654 | <http://dx.doi.org/10.1289/ehp.1104375>

RESEARCH

Serum Perfluorooctanoate (PFOA) and Perfluorooctane Sulfonate (PFOS) Concentrations and Liver Function Biomarkers in a Population with Elevated PFOA Exposure

Valentina Gallo, Giovanni Leonardi, Bernd Genser, Maria-Jose Lopez-Espinosa, Stephanie J. Frisbee, Lee Karlsson, Alan M. Ducatman, Tony Fletcher
655–660 | <http://dx.doi.org/10.1289/ehp.1104436>

Comparison of Trihalomethanes in Tap Water and Blood: A Case Study in the United States

Zorimar Rivera-Núñez, J. Michael Wright, Benjamin C. Blount, Lalith K. Silva, Elizabeth Jones, Ronna L. Chan, Rex A. Pegram, Philip C. Singer, David A. Savitz
661–667 | <http://dx.doi.org/10.1289/ehp.1104347>

Prenatal Exposure to Perfluorooctanoate and Risk of Overweight at 20 Years of Age: A Prospective Cohort Study

Thorhallur I. Halldorsson, Dorte Rytter, Line Småstuen Haug, Bodil Hammer Bech, Inge Danielsen, Georg Becher, Tine Brink Henriksen, Sjurður F. Olsen
668–673 | <http://dx.doi.org/10.1289/ehp.1104034>

Residential Black Carbon Exposure and Circulating Markers of Systemic Inflammation in Elderly Males: The Normative Aging Study

Shona C. Fang, Amar J. Mehta, Stacey E. Alexeeff, Alexandros Gryparis, Brent Coull, Pantel Vokonas, David C. Christiani, Joel Schwartz
674–680 | <http://dx.doi.org/10.1289/ehp.1103982>

Environmental Risks to Public Health in the United Arab Emirates: A Quantitative Assessment and Strategic Plan

Jacqueline MacDonald Gibson, Zeinab S. Farah
681–686 | <http://dx.doi.org/10.1289/ehp.1104064>

Indoor Air Pollutants and Health in the United Arab Emirates

Karin B. Yeatts, Mohamed El-Sadig, David Leith, William Kalsbeek, Fatma Al-Maskari, David Couper, William E. Funk, Taoufik Zoubeidi, Ronna L. Chan, Chris B. Trent, Christopher A. Davidson, Maryanne G. Boundy, Maamoon M. Kassab, Mohamed Y. Hasan, Ivan Rusyn, Jacqueline MacDonald Gibson, Andrew F. Olshan
687–694 | <http://dx.doi.org/10.1289/ehp.1104090>

Estimated Global Mortality Attributable to Smoke from Landscape Fires

Fay H. Johnston, Sarah B. Henderson, Yang Chen, James T. Randerson, Miriam Marlier, Ruth S. DeFries, Patrick Kinney, David M.J.S. Bowman, Michael Brauer
695–701 | <http://dx.doi.org/10.1289/ehp.1104422>

Prenatal Lead Levels, Plasma Amyloid β Levels, and Gene Expression in Young Adulthood

Maitreyi Mazumdar, Weiming Xia, Oliver Hofmann, Matthew Gregas, Shannan Ho Sui, Winston Hide, Ting Yang, Herbert L. Needleman, David C. Bellinger
702–707 | <http://dx.doi.org/10.1289/ehp.1104474>

Risk of Nonaccidental and Cardiovascular Mortality in Relation to Long-term Exposure to Low Concentrations of Fine Particulate Matter: A Canadian National-Level Cohort Study

Dan L. Crouse, Paul A. Peters, Aaron van Donkelaar, Mark S. Goldberg, Paul J. Villeneuve, Orly Brion, Saeeda Khan, Dominic Odwa Atari, Michael Jerrett, C. Arden Pope, Michael Brauer, Jeffrey R. Brook, Randall V. Martin, David Stieb, Richard T. Burnett
708–714 | <http://dx.doi.org/10.1289/ehp.1104049>

Evaluation of a Heat Vulnerability Index on Abnormally Hot Days: An Environmental Public Health Tracking Study

Colleen E. Reid, Jennifer K. Mann, Ruth Alfasso, Paul B. English, Galatea C. King, Rebecca A. Lincoln, Helene G. Margolis, Dan J. Rubado, Joseph E. Sabato, Nancy L. West, Brian Woods, Kathleen M. Navarro, John R. Balmes
715–720 | <http://dx.doi.org/10.1289/ehp.1103766>

Inorganic Arsenic and Basal Cell Carcinoma in Areas of Hungary, Romania, and Slovakia: A Case–Control Study

Giovanni Leonardi, Marie Vahter, Felicity Clemens, Walter Goessler, Eugen Gurzau, Kari Hemminki, Rupert Hough, Kvetoslava Koppova, Rajiv Kumar, Peter Rudnai, Simona Surdu, Tony Fletcher
721–726 | <http://dx.doi.org/10.1289/ehp.1103534>

Polychlorinated Biphenyl (PCB) Exposure and Diabetes: Results from the Anniston Community Health Survey

Allen E. Silverstone, Paula F. Rosenbaum, Ruth S. Weinstock, Scott M. Bartell, Herman R. Foushee, Christie Shelton, Marian Pavuk
727–732 | <http://dx.doi.org/10.1289/ehp.1104247>

CHILDREN'S HEALTH

Prenatal Exposure to Polycyclic Aromatic Hydrocarbons, Benzo[a]pyrene–DNA Adducts, and Genomic DNA Methylation in Cord Blood

Julie B. Herbstman, Deliang Tang, Deguang Zhu, Lirong Qu, Andreas Sjödin, Zheng Li, David Camann, Frederica P. Perera
733–738 | <http://dx.doi.org/10.1289/ehp.1104056>

Variability of Urinary Phthalate Metabolite and Bisphenol A Concentrations before and during Pregnancy

Joe M. Braun, Kristen W. Smith, Paige L. Williams, Antonia M. Calafat, Katharine Berry, Shelley Ehrlich, Russ Hauser
739–745 | <http://dx.doi.org/10.1289/ehp.1104139>

Chronic Air Pollution Exposure during Pregnancy and Maternal and Fetal C-Reactive Protein Levels: The Generation R Study

Edith H. van den Hooven, Yvonne de Kluizenaar, Frank H. Pierik, Albert Hofman, Sjoerd W. van Ratingen, Peter Y.J. Zandveld, Jan Lindemans, Henk Russcher, Eric A.P. Steegers, Henk M.E. Miedema, Vincent W.V. Jaddoe
746–751 | <http://dx.doi.org/10.1289/ehp.1104345>

Relationships of Perfluorooctanoate and Perfluorooctane Sulfonate Serum Concentrations between Mother–Child Pairs in a Population with Perfluorooctanoate Exposure from Drinking Water

Debapriya Mondal, Maria-Jose Lopez-Espinosa, Ben Armstrong, Cheryl R. Stein, Tony Fletcher
752–757 | <http://dx.doi.org/10.1289/ehp.1104538>

Cadmium Exposure and Neurodevelopmental Outcomes in U.S. Children

Timothy Ciesielski, Jennifer Weuve, David C. Bellinger, Joel Schwartz, Bruce Lanphear, Robert O. Wright
758–763 | <http://dx.doi.org/10.1289/ehp.1104152>

Prioritization of Biomarker Targets in Human Umbilical Cord Blood: Identification of Proteins in Infant Blood Serving as Validated Biomarkers in Adults

Nicole Hansmeier, Tzu-Chiao Chao, Lynn R. Goldman, Frank R. Witter, Rolf U. Halden
764–769 | <http://dx.doi.org/10.1289/ehp.1104190>

*Pripravila: RNDr. Soňa Masaryková
Odbor preventívneho pracovného lekárstva
Úrad verejného zdravotníctva SR*