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Nitrogen News is a summary of recent publications, news and reports related to the cycling, effects and management of nitrogen. Prepared by Mary O'Brien and Jana Compton. Contact Jana Compton with any questions (Compton.jana@epa.gov)

Issue 4/5, July-August 2009

News

NOAA study shows nitrous oxide now top ozone-depleting emission

EurekAlert!, August 27, 2009

http://www.eurekalert.org/pub_releases/2009-08/nh-nss082509.php

Water Pollution: EPA Agrees to Set Numeric Standards For Nutrient Pollution in Florida Waters

BNA Daily Environment Report, August 25, 2009

http://news.bna.com/deln/DELNWB/split_display.adp?fedfid=14814475&vname=denotallissues&wsn=495455000&searchid=8979062&doctypeid=1&type=date&mode=doc&split=0&scm=DELNWB&pg=0

Climate Change: Scientists Say Cutting Black Carbon, Ozone Would Bring Immediate Climate Benefits

BNA Daily Environment Report, August 21, 2009

http://news.bna.com/deln/DELNWB/split_display.adp?fedfid=14768012&vname=denotallissues&wsn=495507500&searchid=8979062&doctypeid=1&type=date&mode=doc&split=0&scm=DELNWB&pg=1

USDA eyeing targeted program to reduce Gulf of Mexico 'dead zone'

InsideEPA.com Daily News, August 21, 2009

http://insideepa.com/secure/docnum.asp?docnum=8212009_deadzone&f=epa_2001.ask

MSU research supports calls to study health benefits of nitrate, nitrite

MSU News, August 19, 2009

<http://news.msu.edu/story/6714/>

USDA eyeing targeted program to reduce Gulf of Mexico 'dead zone'

Water Policy Report, August 17, 2009

http://insideepa.com/secure/docnum.asp?docnum=WATER-18-17-1&f=epa_2001.ask

AIR POLLUTION: Carper looks to slash SO_x, NO_x and mercury in climate bill

Environment & Energy Daily, August 7, 2009

<http://www.eenews.net/EEDaily/2009/08/07/archive/4?terms=nitrogen>

Carper bid to set clean air limits in climate bill faces steep hurdles

Clean Air Report, August 6, 2009

http://insideepa.com/secure/docnum.asp?docnum=CLEANAIR-20-16-15&f=epa_2001.ask

Earth's biogeochemical cycles, once in concert, falling out of sync

EurekAlert!, August 4, 2009

http://www.eurekalert.org/pub_releases/2009-08/nsf-ebc072309.php

CHESAPEAKE BAY: Cardin eyes EPA enforcement, nutrient trading program

Environment & Energy Daily, August 4, 2009

<http://www.eenews.net/EEDaily/2009/08/04/archive/3?terms=nitrogen>

CHESAPEAKE BAY: Senate panel to look at improving restoration program

Environment & Energy Daily, August 3, 2009

<http://www.eenews.net/EEDaily/2009/08/03/archive/8?terms=nitrogen>

Industry calls EPA plan to prevent ecosystem acidification illegal

Water Policy Report, August 3, 2009

http://insideepa.com/secure/docnum.asp?docnum=WATER-18-16-19&f=epa_2001.ask

Passing grade for NO₂

InsideEPA.com, July 31, 2009

http://insideepa.com/secure/docnum.asp?f=epa_2001.ask&docnum=7302009_blogno2

Smaller than expected, but severe, dead zone in Gulf of Mexico

EurekAlert!, July 27, 2009

http://www.eurekalert.org/pub_releases/2009-07/nh-ste072409.php

Ozone, nitrogen change the way rising CO₂ affects Earth's water

EurekAlert!, July 9, 2009

http://www.eurekalert.org/pub_releases/2009-07/nsfc-onc070909.php

Fighting 'acute' NO₂ proposal, industry decries inadequate EPA review

Daily News from Insideepa.Com, July 21, 2009

http://insideepa.com/secure/docnum.asp?f=epa_2001.ask&docnum=7212009_no2

World's waters choking from meat consumption and other human activities

World Resources Institute Pressroom, July 21, 2009

<http://www.wri.org/press/2009/07/worlds-waters-choking-meat-consumption-and-other-human-activities>

Ozone, nitrogen change the way rising CO₂ affects earth's water

NASA News & Features, July 6, 2009

http://www.nasa.gov/topics/earth/features/nitrogen_ozonestress.html

Special Issues

Biogeochemistry, 95(1), August 2009

White on Green: Under-snow microbial processes and trace gas fluxes through snow, Niwot Ridge, Colorado Front Range.

Guest Edited by M. Williams, D. Helmig and P. Blanken.

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The seasonal nitrogen cycle in Wilkinson Basin, Gulf of Maine, as estimated by 1-D biological model optimization

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Effects of long-term flooding on biogeochemistry and vegetation development in floodplains; a mesocosm experiment to study interacting effects of land use and water quality

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Nutrient enrichment alters storage and fluxes of detritus in a headwater stream ecosystem

Ecology, 90(9): 2556-2566, September 2009. ISSN 0012-9658.

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A century of changing land-use and water-quality relationships in the continental US
Frontiers in Ecology and the Environment, 7(6): 302-307, August 2009. ISSN 1540-9295.
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Environmental Management, 44(2): 205-217, August 2009. ISSN 0364-152X.
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Environmetrics, 20(1): 53-67, February 2009. ISSN 1180-4009.
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Nonparametric trend detection in river monitoring network data: a spatio-temporal approach
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