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)

Please note: Most of these links are available to EPA staff through library access – not all links will be available to folks outside EPA, depending on your access to specific journals and websites.

Special Issues

Managing denitrification in human dominated landscapes, Edited by L.A. Schipper and A.J. Gold.
Ecological Engineering, 36(11), November 2010. ISSN 0925-8574.
http://www.sciencedirect.com/science/journal/09258574

The Bear Brook Watershed in Maine – The second decade
Environmental Monitoring and Assessment, 171(1-4), December 2010. ISSN 0167-6369.
http://www.springerlink.com/content/0167-6369/171/1-4/

Special Section: Past and future trends in nutrient export from global watersheds and impacts on water quality and eutrophication, Guest Editor: M. Andreae.
Global Biogeochemical Cycles, 2010. ISSN 0886-6236.

GEOHAB modeling, Edited by Dennis McGillicuddy.
Journal of Marine Systems, 83(3-4), November 2010. ISSN 0924-7963.
http://www.sciencedirect.com/science/journal/09247963

Results from Cooperative State Research, Education, and Extension Service (CSREES) Conservation Effects Assessment Project (CEAP) United States watershed projects
Journal of Soil and Water Conservation, 65(6), November/December 2010. ISSN 0022-4561.
http://www.jswconline.org/content/65/6.toc

Articles

Adame, Maria Fernanda, Bernardino Virdis, and Catherine E. Lovelock.
Effect of geomorphological setting and rainfall on nutrient exchange in mangroves during tidal inundation
http://dx.doi.org/10.1071/MF10013

Increased plant uptake of nitrogen from N-15-depleted fertilizer using plant growth-promoting rhizobacteria
http://dx.doi.org/10.1016/j.apsoil.2010.06.010

Akselsson, Cecilia, Salim Belyazid, Sofie Hellsten, Malin Klarqvist, Gunilla Pihl-Karlsson, Per-Erik Karlsson, and Lars Lundin.
Assessing the risk of N leaching from forest soils across a steep N deposition gradient in Sweden
*Environmental Pollution*, 158(12): 3588-3595, December 2010. ISSN 0269-7491.
http://dx.doi.org/10.1016/j.envpol.2010.08.012

Alexandre, Ana, Joao Silva, and Rui Santos.
Inorganic nitrogen uptake and related enzymatic activity in the seagrass Zostera noltii
http://dx.doi.org/10.1111/j.1439-0485.2010.00378.x

Ardon, Marcelo, Jennifer L. Morse, Martin W. Doyle, Bernhardt, Emily S.
The water quality consequences of restoring wetland hydrology to a large agricultural watershed in the southeastern coastal plain
*Ecosystems*, 13(7): 1060-1078, November 2010. ISSN 1432-9840.
http://dx.doi.org/10.1007/s10021-010-9374-x

Methane flux in non-wetland soils in response to nitrogen addition: a meta-analysis
http://dx.doi.org/10.1890/09-2185.1

Tree-based intercropping does not compromise canola (Brassica napus L.) seed oil yield and reduces soil nitrous oxide emissions
http://dx.doi.org/10.1016/j.agee.2010.06.014

Beaulieu, J. J., W. D. Shuster, and J. A. Rebholz.
Nitrous oxide emissions from a large, impounded river: The Ohio River
*Environmental Science & Technology*, 44(19, Sp. Iss.): 7527-7533, October 1, 2010. ISSN 0013-936X.
http://dx.doi.org/10.1021/es1016735
Bernt, Melody J., Erika C. Martin, and Randall J. Bernt.
The influence of trophic complexity on preferential uptake of dissolved inorganic and organic nitrogen: a laboratory microcosm experiment
http://dx.doi.org/10.1899/09-146.1

N-P co-limitation of primary production and response of arthropods to N and P in early primary succession on Mount St. Helens volcano
http://dx.doi.org/10.1371/journal.pone.0013598

Nitrogen uptake by phytoplankton and bacteria during an induced Phaeocystis pouchetii bloom, measured using size fractionation and flow cytometric sorting
http://dx.doi.org/10.3354/ame01414

Canfield, Donald E., Alexander N. Glazer, and Paul G. Falkowski.
The evolution and future of Earth’s nitrogen cycle
http://dx.doi.org/10.1126/science.1186120

Chatzimpiros, Petros, and Sabine Barles.
Nitrogen, land and water inputs in changing cattle farming systems. A historical comparison for France, 19th-21st centuries
http://dx.doi.org/10.1016/j.scitotenv.2010.06.051

Interactions between nitrogen deposition, land cover conversion, and climate change determine the contemporary carbon balance of Europe
Biogeosciences, 7(9): 2749-2764, 2010.  ISSN 1726-4170.
http://dx.doi.org/10.5194/bg-7-2749-2010

Corbett, D. R.
Resuspension and estuarine nutrient cycling: insights from the Neuse River Estuary
http://dx.doi.org/10.5194/bg-7-3289-2010

Covino, Timothy P., Brian L. McGlynn, and Rebecca A. McNamara.
Tracer Additions for Spiraling Curve Characterization (TASCC): Quantifying stream nutrient uptake kinetics from ambient to saturation
http://dx.doi.org/10.4319/lom.2010.8.484

http://dx.doi.org/10.3354/ame01445

http://dx.doi.org/10.1007/s11270-010-0366-4

http://dx.doi.org/10.1111/j.1365-2486.2009.02148.x

http://dx.doi.org/10.1016/j.jenvman.2010.07.034

http://dx.doi.org/10.1007/s10021-010-9378-6

http://dx.doi.org/10.1093/plankt/fbq087

Fiore, Cara L., Jessica K. Jarett, Nathan D. Olson, Michael P. Lesser. Nitrogen fixation and nitrogen transformations in marine symbioses


Grman, Emily, Jennifer A. Lau, Donald R. Schoolmaster, Jr., and Katherine L. Gross.
Mechanisms contributing to stability in ecosystem function depend on the environmental context
http://dx.doi.org/10.1111/j.1461-0248.2010.01533.x

Guckland, Anja, Marife D. Corre, and Heiner Flessa.
_Variability of soil N cycling and N2O emission in a mixed deciduous forest with different abundance of beech_
_Plant and Soil_, 336(1-2): 25-38, November 2010. ISSN 0032-079X.
http://dx.doi.org/10.1007/s11104-010-0437-8

Gundersen, Per, Ari Lauren, Leena Finer, Eva Ring, Harri Koivusalo, Magne Saetersdal, Jan-Olov Weslien, Bjarni D. Sigurdsson, Lars Hogbom, Jukka Laine, and Karin Hansen.
_Environmental services provided from riparian forests in the Nordic countries_
http://dx.doi.org/10.1007/s13280-010-0073-9

Guo, Xiaobin, Craig F. Drury, Xueming Yang, and Renduo Zhang.
_Influence of constant and fluctuating water contents on nitrous oxide emissions from soils under varying crop rotations_
http://dx.doi.org/10.2136/sssaj2010.0064

Hardison, Amber K., Elizabeth A. Canuel, Iris C. Anderson, and Bart Veuger.
_Fate of macroalgae in benthic systems: carbon and nitrogen cycling within the microbial community_
_Marine Ecology-Progress Series_, 414: 41-55, 2010. ISSN 0171-8630.
http://dx.doi.org/10.3354/meps08720

Heisterkamp, Ines Maria, Andreas Schramm, Dirk de Beer, and Peter Stief.
_Nitrous oxide production associated with coastal marine invertebrates_
_Marine Ecology-Progress Series_, 415: 1-9, 2010. ISSN 0171-8630.
http://dx.doi.org/10.3354/meps08727

Huang, Yao, and Yonghua Tang.
_An estimate of greenhouse gas (N2O and CO2) mitigation potential under various scenarios of nitrogen use efficiency in Chinese croplands_
http://dx.doi.org/10.1111/j.1365-2486.2010.02187.x

_Evaluating nitrate uptake in a Rocky Mountain stream using labelled N-15 and ambient nitrate chemistry_
http://dx.doi.org/10.1002/hyp.7764

Johnson, Cody R., Chris Luecke, Stephen C. Whalen, and Mary Anne Evans. *Direct and indirect effects of fish on pelagic nitrogen and phosphorus availability in oligotrophic Arctic Alaskan lakes* Canadian Journal of Fisheries and Aquatic Sciences, 67(10): 1635-1648, October 2010. ISSN 0706-652X. [http://dx.doi.org/10.1139/F10-085](http://dx.doi.org/10.1139/F10-085)

Kang, Hongzhang, Zaijun Xin, Bjorn Berg, Paul J. Burgess, Qunlu Liu, Zhicheng Liu, Zhaohua Li, and Chunjiang Liu. *Global pattern of leaf litter nitrogen and phosphorus in woody plants* Annals of Forest Science, 67(8): 811, December 2010. ISSN 1286-4560. [http://dx.doi.org/10.1051/forest/2010047](http://dx.doi.org/10.1051/forest/2010047)


Kim, Dong-Gill, Mikhail Mishurov, and Gerard Kiely. *Effect of increased N use and dry periods on N2O emission from a fertilized grassland* Nutrient Cycling in Agroecosystems, 88(3): 397-410, December 2010. ISSN 1385-1314. [http://dx.doi.org/10.1007/s10705-010-9365-5](http://dx.doi.org/10.1007/s10705-010-9365-5)

Koyama, Akihiro, Kathleen L. Kavanagh, and Kirsten Stephan. *Wildfire effects on soil gross nitrogen transformation rates in coniferous forests of Central Idaho, USA* Ecosystems, 13(7): 1112-1126, November 2010. ISSN 1432-9840. [http://dx.doi.org/10.1007/s10021-010-9377-7](http://dx.doi.org/10.1007/s10021-010-9377-7)

*Nitrate stimulates root suckering in trembling aspen (Populus tremuloides)*  
[http://dx.doi.org/10.1139/X10-141](http://dx.doi.org/10.1139/X10-141)

Leip, Adrian.  
*Quantitative quality assessment of the greenhouse gas inventory for agriculture in Europe*  
[http://dx.doi.org/10.1007/s10584-010-9915-5](http://dx.doi.org/10.1007/s10584-010-9915-5)

Leschen, Alison S., Kathryn H. Ford, and N. Tay Evans.  
*Successful eelgrass (Zostera marina) restoration in a formerly eutrophic estuary (Boston Harbor) supports the use of a multifaceted watershed approach to mitigating eelgrass loss*  
[http://dx.doi.org/10.1007/s12237-010-9272-7](http://dx.doi.org/10.1007/s12237-010-9272-7)

*Distributions of median nutrient and chlorophyll concentrations across the Red River Basin, USA*  
[http://dx.doi.org/10.2134/jeq2009.0235](http://dx.doi.org/10.2134/jeq2009.0235)

*Water and nutrient fluxes from major Mediterranean and Black Sea rivers: Past and future trends and their implications for the basin-scale budgets*  
[http://dx.doi.org/10.1029/2009GB003594](http://dx.doi.org/10.1029/2009GB003594)

*Greenhouse gas balances of managed peatlands in the Nordic countries - present knowledge and gaps*  
*Biogeosciences*, 7(9): 2711-2738, 2010.  ISSN 1726-4170.  
[http://dx.doi.org/10.5194/bg-7-2711-2010](http://dx.doi.org/10.5194/bg-7-2711-2010)

*Spatial variability of nitrogen isotope ratios of particulate material from Northwest Atlantic continental shelf waters*  
[http://dx.doi.org/10.1016/j.ecss.2010.08.004](http://dx.doi.org/10.1016/j.ecss.2010.08.004)

Miller, Todd W., Koji Omori, Hideki Hamaoka, Jun-ya Shibata, and Onishi Hidejiro.  
*Tracing anthropogenic inputs to production in the Seto Inland Sea, Japan - A stable isotope approach*
Mishurov, Mikhail, and Gerard Kiely.  
**Nitrous oxide flux dynamics of grassland undergoing afforestation**  
[http://dx.doi.org/10.1016/j.agee.2010.07.001](http://dx.doi.org/10.1016/j.agee.2010.07.001)

Montreuil, Olivier, Philippe Merot, and Pierre Marmonier.  
**Estimation of nitrate removal by riparian wetlands and streams in agricultural catchments: effect of discharge and stream order**  
[http://dx.doi.org/10.1111/j.1365-2427.2010.02439.x](http://dx.doi.org/10.1111/j.1365-2427.2010.02439.x)

Moore, Willard S.  
**A reevaluation of submarine groundwater discharge along the southeastern coast of North America**  
[http://dx.doi.org/10.1029/2009GB003747](http://dx.doi.org/10.1029/2009GB003747)

Morley, N., and E. M. Baggs.  
**Carbon and oxygen controls on N2O and N-2 production during nitrate reduction**  
[http://dx.doi.org/10.1016/j.soilbio.2010.07.008](http://dx.doi.org/10.1016/j.soilbio.2010.07.008)

Mosier, Annika C., and Christopher A. Francis.  
**Denitrifier abundance and activity across the San Francisco Bay estuary**  

Munoz, Cristina, Leandro Paulino, Carlos Monreal, and Erick Zagal.  
**Greenhouse gas (CO2 and N2O) emissions from soils: A review**  

Munzi, Silvana, Tommaso Pisani, Luca Paoli, and Stefano Loppi.  
**Time- and dose-dependency of the effects of nitrogen pollution on lichens**  
*Ecotoxicology and Environmental Safety*, 73(7): 1785-1788, October 2010. ISSN 0147-6513.  
[http://dx.doi.org/10.1016/j.ecoenv.2010.07.042](http://dx.doi.org/10.1016/j.ecoenv.2010.07.042)

Mutegi, James K., Lars J. Munkholm, Bjorn M. Petersen, Elly M. Hansen, and Soren O. Petersen.  
**Nitrous oxide emissions and controls as influenced by tillage and crop residue management strategy**  
*Soil Biology & Biochemistry*, 42(10): 1701-1711, October 2010. ISSN 0038-0717.
Nangia, V., D. J. Mulla, and P. H. Gowda.  
*Precipitation changes impact stream discharge, nitrate-nitrogen load more than agricultural management changes*  
[http://dx.doi.org/10.2134/jeq2010.0105](http://dx.doi.org/10.2134/jeq2010.0105)

Nejrup, Lars Brammer, and Morten Foldager Pedersen.  
*Growth and biomass development of the introduced red alga Gracilaria vermiculophylla is unaffected by nutrient limitation and grazing*  
[http://dx.doi.org/10.3354/ab00281](http://dx.doi.org/10.3354/ab00281)

Newton, Paul C. D., Mark Lieffering, W. M. Saman D. Bowatte, Shona C. Brock, Chris L. Hunt, Phil W. Theobald, and Des J. Ross.  
*The rate of progression and stability of progressive nitrogen limitation at elevated atmospheric CO2 in a grazed grassland over 11 years of Free Air CO2 enrichment*  
*Plant and Soil*, 336(1-2): 433-441, November 2010. ISSN 0032-079X.  
[http://dx.doi.org/10.1007/s11104-010-0493-0](http://dx.doi.org/10.1007/s11104-010-0493-0)

Niedermayr, Romana, and Michael Schagerl.  
*Structuring factors of the phytobenthos community along a mountain headwater (Kalkalpen National Park, Austria)*  

Niu, Shuli, Rebecca A. Sherry, Xuhui Zhou, Shiqiang Wan, and Yiqi Luo.  
*Nitrogen regulation of the climate-carbon feedback: evidence from a long-term global change experiment*  
[http://dx.doi.org/10.1890/09-1634.1](http://dx.doi.org/10.1890/09-1634.1)

*Uncertainty propagation analysis of an N2O emission model at the plot and landscape scale*  
[http://dx.doi.org/10.1016/j.geoderma.2010.06.009](http://dx.doi.org/10.1016/j.geoderma.2010.06.009)

*CO2 enhancement of forest productivity constrained by limited nitrogen availability*  
[http://dx.doi.org/10.1073/pnas.1006463107](http://dx.doi.org/10.1073/pnas.1006463107)
The use of machine learning algorithms to design a generalized simplified denitrification model  
*Biogeosciences*, 7(10): 3311-3332, 2010. ISSN 1726-4170.  
http://dx.doi.org/10.5194/bg-7-3311-2010

Orth, Robert J., Michael R. Williams, Scott R. Marion, David J. Wilcox, Tim J. B. Carruthers, 
Kenneth A. Moore, W. Michael Kemp, William C. Dennison, Nancy Rybicki, Peter Bergstrom, 
and Richard A. Batiuk.  
**Long-term trends in submersed aquatic vegetation (SAV) in Chesapeake Bay, USA, related to water quality**  
http://dx.doi.org/10.1007/s12237-010-9311-4

Paerl, Hans W., and J. Thad Scott.  
**Throwing fuel on the fire: Synergistic effects of excessive nitrogen inputs and global warming on harmful algal blooms**  
*Environmental Science & Technology*, 44(20): 7756-7758, October 15, 2010. ISSN 0013-936X.  
http://dx.doi.org/10.1021/es102665e

Papanikolaou, Niki, Andrea J. Britton, Rachel C. Helliwell, and David Johnson.  
**Nitrogen deposition, vegetation burning and climate warming act independently on microbial community structure and enzyme activity associated with decomposing litter in low-alpine heath**  
*Global Change Biology*, 16(11): 3120-3132, November 2010. ISSN 1354-1013.  
http://dx.doi.org/10.1111/j.1365-2486.2010.02196.x

Patil, Ravi H., Mette Laegdsmand, Jorgen E. Olesen, and John R. Porter.  
**Effect of soil warming and rainfall patterns on soil N cycling in Northern Europe**  
http://dx.doi.org/10.1016/j.agee.2010.08.002

Poor, Cara J., and Jeffrey L. Ullman.  
**Using regression tree analysis to improve predictions of low-flow nitrate and chloride in Willamette River Basin watersheds**  
*Environmental Management*, 46(5): 771-780, November 2010. ISSN 0364-152X.  
http://dx.doi.org/10.1007/s00267-010-9550-y

**Long-term variability of nutrients and chlorophyll in the Chesapeake Bay: A retrospective analysis, 1985-2008**  
http://dx.doi.org/10.1007/s12237-010-9325-y

Prather, Michael J., and Juno Hsu.
Coupling of nitrous oxide and methane by global atmospheric chemistry
http://dx.doi.org/10.1126/science.1196285

Schwartz, Stuart S.
**Optimization and decision heuristics for Chesapeake Bay nutrient reduction strategies**
http://dx.doi.org/10.1007/s10666-009-9211-9

Smith, J. T., R. T. Clarke, and M. J. Bowes.
**Are groundwater nitrate concentrations reaching a turning point in some chalk aquifers?**
http://dx.doi.org/10.1016/j.scitotenv.2010.07.001

Soussana, Jean-Francois, and Tiphaine Tallec.
**Can we understand and predict the regulation of biological N-2 fixation in grassland ecosystems?**
*Nutrient Cycling in Agroecosystems*, 88(2; Sp. Iss.): 197-213, November 2010. ISSN 1385-1314.
http://dx.doi.org/10.1007/s10705-009-9335-y

Stutz, Jochen, Kam Weng Wong, Laura Lawrence, Luke Ziemba, James H. Flynn, Bernhard Rappenglueck, and Barry Lefer.
**Nocturnal NO3 radical chemistry in Houston, TX**
*Atmospheric Environment*, 44(33; Sp. Iss.): 4099-4106, October 2010. ISSN 1352-2310.
http://dx.doi.org/10.1016/j.atmosenv.2009.03.004

**Spatial and temporal patterns of CH4 and N2O fluxes in terrestrial ecosystems of North America during 1979-2008: application of a global biogeochemistry model**
*Biogeosciences*, 7(9): 2673-2694, 2010. ISSN 1726-4170.
http://dx.doi.org/10.5194/bg-7-2673-2010

Toetz, Dale, and Mark E. Payton.
**Concentration effects of inorganic nitrogen on biomass accrual of periphyton in a subalpine stream, Colorado Front Range**

**Groundwater nutrient concentrations during prairie reconstruction on an Iowa landscape**
http://dx.doi.org/10.1016/j.agee.2010.08.003

Vadeboncoeur, Matthew A., Steven P. Hamburg, and Donald Pryor.
**Modeled nitrogen loading to Narragansett Bay: 1850 to 2015**
Vadeboncoeur, Matthew A.
**Meta-analysis of fertilization experiments indicates multiple limiting nutrients in northeastern deciduous forests**
[http://dx.doi.org/10.1139/X10-127](http://dx.doi.org/10.1139/X10-127)

Vermonden, Kim, Rob S. E. W. Leuven, and Gerard van der Velde.
**Environmental factors determining invasibility of urban waters for exotic macroinvertebrates**
*Diversity and Distributions*, 16(6): 1009-1021, November 2010. ISSN 1366-9516.
[http://dx.doi.org/10.1111/j.1472-4642.2010.00702.x](http://dx.doi.org/10.1111/j.1472-4642.2010.00702.x)

**Distribution of diatoms and development of diatom-based models for inferring salinity and nutrient concentrations in Florida Bay and adjacent coastal wetlands of south Florida (USA).**
[http://dx.doi.org/10.1007/s12237-010-9283-4](http://dx.doi.org/10.1007/s12237-010-9283-4)

Wang, Tijian, Shu Li, Yi Shen, Junjun Deng, and Min Xie.
**Investigations on direct and indirect effect of nitrate on temperature and precipitation in China using a regional climate chemistry modeling system**
[http://dx.doi.org/10.1029/2009JD013264](http://dx.doi.org/10.1029/2009JD013264)

**Nitrous oxide emission from highland winter wheat field after long-term fertilization**
[http://dx.doi.org/10.5194/bg-7-3301-2010](http://dx.doi.org/10.5194/bg-7-3301-2010)

Wimp, Gina M., Shannon M. Murphy, Deborah L. Finke, Andrea F. Huberty, and Robert F. Denno.
**Increased primary production shifts the structure and composition of a terrestrial arthropod community**
[http://dx.doi.org/10.1890/09-1291.1](http://dx.doi.org/10.1890/09-1291.1)

Yang, Rong, Kentaro Hayashi, Bin Zhu, Feiyue Li, and Xiaoyuan Yan.
**Atmospheric NH3 and NO2 concentration and nitrogen deposition in an agricultural catchment of Eastern China**
[http://dx.doi.org/10.1016/j.scitotenv.2010.06.006](http://dx.doi.org/10.1016/j.scitotenv.2010.06.006)
Yang, X., T. K. Richardson, and A. K. Jain. 
**Contributions of secondary forest and nitrogen dynamics to terrestrial carbon uptake**
[http://dx.doi.org/10.5194/bg-7-3041-2010](http://dx.doi.org/10.5194/bg-7-3041-2010)

York, Joanna K., Gabrielle Tomasky, Ivan Valiela, and Anne E. Giblin. 
**Isotopic approach to determining the fate of ammonium regenerated from sediments in a eutrophic sub-estuary of Waquoit Bay, MA**
[http://dx.doi.org/10.1007/s12237-010-9278-1](http://dx.doi.org/10.1007/s12237-010-9278-1)

Zhang, Tao 
**A spatially explicit model for estimating annual average loads of nonpoint source nutrient at the watershed scale**
[http://dx.doi.org/10.1007/s10666-010-9225-3](http://dx.doi.org/10.1007/s10666-010-9225-3)

Zhang, Yaohong, Weixin Ding, Zucong Cai, Phillips Valerie, and Fengxiang Han. 
**Response of methane emission to invasion of Spartina alterniflora and exogenous N deposition in the coastal salt marsh**
[http://dx.doi.org/10.1016/j.atmosenv.2010.08.012](http://dx.doi.org/10.1016/j.atmosenv.2010.08.012)

Zhou, Xiaobo, Matthew J. Helmers, Heidi Asbjornsen, Randy Kolka, and Mark D. Tomer. 
**Perennial filter strips reduce nitrate levels in soil and shallow groundwater after grassland-to-cropland conversion**
[http://dx.doi.org/10.2134/jeq2010.0151](http://dx.doi.org/10.2134/jeq2010.0151)

Zhou, Zaixing, Xunhua Zheng, Baohua Xie, Chunyan Liu, Tao Song, Shenghui Han, and Jianguo Zhu. 
**Nitric oxide emissions from rice-wheat rotation fields in eastern China: effect of fertilization, soil water content, and crop residue**
*Plant and Soil*, 336(1-2): 87-98, November 2010. ISSN 0032-079X. 
[http://dx.doi.org/10.1007/s11104-010-0450-y](http://dx.doi.org/10.1007/s11104-010-0450-y)

**News**

For BNA subscribers (including EPA staff): 

Climate change: Greenhouse gas concentrations reach record high, growth rate slows, WMO says
*Daily Environment Report*, November 26, 2010
Chesapeake Bay: Bay states have one more week to upgrade pollution control plans, EPA officials say
*Daily Environment Report*, November 23, 2010

Water pollution: EPA finalizes Florida numeric water quality standards, delays implementation 15 months
*Daily Environment Report*, November 16, 2010

Climate change: EPA issues guidance to states, localities on controls for greenhouse gas sources
*Daily Environment Report*, November 12, 2010

Climate change: Final rule on greenhouse gas reporting targets methane from oil, gas wells
*Daily Environment Report*, November 10, 2010

Air pollution: EU member states approve revision of industrial pollution control legislation
*Daily Environment Report*, November 10, 2010

Climate change: Stricter nitrous oxide reporting urged for category of coal-fired power plants
*Daily Environment Report*, November 2, 2010

Chesapeake Bay: Most cropland in watershed has excessive releases of nitrogen, phosphorus, study says
Air pollution: Power plants need time to implement rules while maintaining power grid, report says

Daily Environment Report, October 27, 2010
http://news.bna.com/deln/DELNWB/split_display.adp?fedfid=18335923&vname=dennotallissues&wsn=499349500&searchid=13010169&doctypeid=1&type=date&mode=doc&split=0&scm=DELNWB&pg=1

Air pollution: EPA revises power plant emissions data used for agency's interstate transport rule

Daily Environment Report, October 27, 2010
http://news.bna.com/deln/DELNWB/split_display.adp?fedfid=18335932&vname=dennotallissues&wsn=499350000&searchid=13010169&doctypeid=1&type=date&mode=doc&split=0&scm=DELNWB&pg=1

Air pollution: States ask EPA to require sources to begin reducing emissions in 2015

Daily Environment Report, October 25, 2010
http://news.bna.com/deln/DELNWB/split_display.adp?fedfid=18309577&vname=dennotallissues&wsn=499408500&searchid=13010169&doctypeid=1&type=date&mode=doc&split=0&scm=DELNWB&pg=1

Air pollution: Analysis says EPA emissions rules could shutter coal plants, open investment areas

Daily Environment Report, October 19, 2010
http://news.bna.com/deln/DELNWB/split_display.adp?fedfid=18293554&vname=dennotallissues&wsn=499529000&searchid=13010169&doctypeid=1&type=date&mode=doc&split=0&scm=DELNWB&pg=1

Climate change: Industry raises concerns about delay of EPA guidance on greenhouse gases

Daily Environment Report, October 18, 2010
http://news.bna.com/deln/DELNWB/split_display.adp?fedfid=18009561&vname=dennotallissues&wsn=499559000&searchid=13010169&doctypeid=1&type=date&mode=doc&split=0&scm=DELNWB&pg=1

Climate change: White House issues guidance on greenhouse gas emissions reporting for federal agencies

Daily Environment Report, October 5, 2010
http://news.bna.com/deln/DELNWB/split_display.adp?fedfid=17880901&vname=dennotallissues&wsn=499747500&searchid=13023260&doctypeid=1&type=date&mode=doc&split=0&scm=DELNWB&pg=1
Air pollution: EPA plans new material for sulfur, nitrogen report
Daily Environment Report, October 5, 2010
http://news.bna.com/deln/DELNWB/split_display.adp?fedfid=17873893&vname=dennotalissues&wsn=499817500&searchid=13023260&doctypeid=1&type=date&mode=doc&split=0&scm=DELNWB&pg=1

Chesapeake Bay: Federal plan for bay restoration in 2011 couples millions in aid, enforcement powers
Daily Environment Report, October 1, 2010
http://news.bna.com/deln/DELNWB/split_display.adp?fedfid=17854402&vname=dennotalissues&wsn=499877000&searchid=13023260&doctypeid=1&type=date&mode=doc&split=0&scm=DELNWB&pg=1

For Greenwire subscribers (including EPA staff):

Water pollution: USDA funds conservation projects that aim to shrink Gulf dead zone
Greenwire, November 30, 2010
http://www.eenews.net/Greenwire/2010/11/30/14

Chesapeake Bay: 2 states miss EPA deadline for cleanup plans
Greenwire, November 30, 2010
http://www.eenews.net/Greenwire/2010/11/30/15

Agriculture: Boosting crop yields viewed as a national security challenge
ClimateWire, November 19, 2010
http://www.eenews.net/climatewire/2010/11/19/3

Water pollution: EPA finalizes Fla. nutrient limits, refutes 'doomsday' cost estimates
Greenwire, November 15, 2010
http://www.eenews.net/Greenwire/2010/11/15/3

Chesapeake Bay: Farmers aren't doing enough to prevent pollution -- report
Greenwire, October 27, 2010
http://www.eenews.net/Greenwire/2010/10/27/20

Agriculture: Livestock production unsustainable, researchers say
ClimateWire, October 6, 2010
http://www.eenews.net/climatewire/2010/10/06/9

For Inside EPA subscribers (including EPA staff):

Bolstering EPA efforts, USDA plans to strengthen nutrient guide for farms
Water Policy Report, November 22, 2010
EPA delays implementation of landmark numeric nutrient rule in Florida
*Daily News*, November 15, 2010

Advisers withhold support for EPA effort to set novel NOx-SOx standard
*Clean Air Report*, November 11, 2010

USDA study highlights limits of farms' voluntary nutrient controls

EPA vows to extend controversial Florida nutrient plan to Mississippi Basin
*Inside EPA*, November 5, 2010

Industry seeks broad fix to EPA water nutrient policies before Florida rule
*Inside EPA*, October 22, 2010

Industry, lawmakers fight EPA cleanup efforts in Chesapeake Bay region
*Inside EPA*, October 22, 2010

Limited data prompts EPA to issue rare qualitative risk estimate for urea

EPA advisers back novel NOx-SOx air standard but seek key revisions

EPA criticizes states' Chesapeake Bay cleanup plans, releases TMDL
*Environmental Policy Alert*, October 6, 2010
Reports

Center for Biological Diversity, Clean Air Task Force, Clean Wisconsin, Kentucky Environmental Foundation, Minnesota Center for Environmental Advocacy, Natural Resources Defense Council, Sierra Club

Credit Suisse

Federal Leadership Committee for the Chesapeake Bay
Fiscal year 2011 action plan, Executive Order 13508, Strategy for protecting and restoring the Chesapeake Bay watershed  

National Association of Clean Air Agencies
NACAA principles for reauthorization of federal surface transportation legislation, October 19, 2010  

National Association of Clean Air Agencies
NACAA resolution on the need for strong federal control measures to support attainment and maintenance of the National Ambient Air Quality Standard, approved at NACAA Fall 2010 membership meeting, October 19, 2010  
http://op.bna.com/env.nsf/id/jsun-8agsqy/$File/NACAAa.air.PDF

North American Electric Reliability Corp.

U. S. Environmental Protection Agency
40 CFR Part 98, Mandatory reporting of greenhouse gases: Petroleum and natural gas systems  

U. S. Environmental Protection Agency Office of Air Quality Planning and Standards.
PSD and Title V permitting guidance for greenhouse gases  

The White House Council on Environmental Quality
Federal greenhouse gas accounting and reporting guidance, October 6, 2010
http://www.whitehouse.gov/sites/default/files/microsites/ceq/GHG%20Guidance%20Document_0.pdf

The White House Council on Environmental Quality
Federal greenhouse gas accounting and reporting guidance, technical support document, October 6, 2010

Web Pages

Clean Air Act permitting for greenhouse gases
http://www.epa.gov/nsrc/ghgpermitting.html
Source: U.S. Environmental Protection Agency Office of Air Quality Planning and Standards

Climate change – Regulatory initiatives: Subpart W – Petroleum and natural gas systems
http://www.epa.gov/climatechange/emissions/subpart/w.html
Source: U.S. Environmental Protection Agency