11. References

Executive Summary

BEA (2007) 2006 Comprehensive Revision of the National Income and Product Accounts: Current-dollar and "real" GDP, 1929–2006. Bureau of Economic Analysis (BEA), U.S. Department of Commerce, Washington, DC. July 29, 2007. Available online at http://www.bea.doc.gov/bea/dn1.htm.

EIA (2007a) "Supplemental Tables on Petroleum Product detail." *Monthly Energy Review, September* 2007. Unpublished. Energy Information Administration (EIA), U.S. Department of Energy. Washington, DC, DOE/EIA-0035(2007/09).

EIA (2007b) *International Energy Annual 2005*. Energy Information Administration (EIA), U.S. Department of Energy. Washington, DC. Updated June-October 2007. Available online at http://www.eia.doe.gov/emeu/iea/carbon.html >.

EPA (2008) *Air Emissions Trends - Continued Progress Through 2006*. U.S. Environmental Protection Agency (EPA), Washington, DC. Available online at < http://www.epa.gov/air/airtrends/index.html>. December 19, 2006.

EPA (2003) E-mail correspondence. Air pollutant data. Office of Air Pollution to the Office of Air Quality Planning and Standards, U.S. Environmental Protection Agency (EPA). December 22, 2003.

IPCC (2007) Climate Change 2007: The Physical Science Basis. Contribution of Working Group I to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change. S. Solomon, D. Qin, M. Manning, Z. Chen, M. Marquis, K.B. Averyt, M. Tignor and H.L. Miller (eds.). Cambridge University Press. Cambridge, United Kingdom 996 pp.

IPCC (2006) 2006 IPCC Guidelines for National Greenhouse Gas Inventories. The National Greenhouse Gas Inventories Programme, The Intergovernmental Panel on Climate Change, H.S. Eggleston, L. Buendia, K. Miwa, T. Ngara, and K. Tanabe (eds.). Hayama, Kanagawa, Japan.

IPCC (2003) *Good Practice Guidance for Land Use, Land-Use Change, and Forestry*. National Greenhouse Gas Inventories Programme, The Intergovernmental Panel on Climate Change, J. Penman, et al. (eds.). Available online at http://www.ipcc-nggip.iges.or.jp/public/gpglulucf/gpglulucf.htm. August 13, 2004.

IPCC (2001) *Climate Change 2001: The Scientific Basis.* Intergovernmental Panel on Climate Change, J.T. Houghton, Y. Ding, D.J. Griggs, M. Noguer, P.J. van der Linden, X. Dai, C.A. Johnson, and K. Maskell (eds.). Cambridge University Press. Cambridge, United Kingdom.

IPCC (2000) *Good Practice Guidance and Uncertainty Management in National Greenhouse Gas Inventories*. , National Greenhouse Gas Inventories Programme, Intergovernmental Panel on Climate Change. Montreal. May 2000. IPCC-XVI/Doc. 10 (1.IV.2000).

IPCC (1996) *Climate Change 1995: The Science of Climate Change*. Intergovernmental Panel on Climate Change, J.T. Houghton, L.G. Meira Filho, B.A. Callander, N. Harris, A. Kattenberg, and K. Maskell. (eds.). Cambridge University Press. Cambridge, United Kingdom.

IPCC/UNEP/OECD/IEA (1997) Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories. Intergovernmental Panel on Climate Change, United Nations Environment Programme, Organization for Economic Co-Operation and Development, International Energy Agency. Paris, France.

UNFCCC (2003) National Communications: Greenhouse Gas Inventories from Parties included in Annex I to the Convention, UNFCCC Guidelines on Reporting and Review. Conference of the Parties, Eighth Session, New Delhi.

(FCCC/CP/2002/8). March 28, 2003.

U.S. Census Bureau (2007) U.S. Census Bureau International Database (IDB). Available online at http://www.census.gov/ipc/www/idbnew.html. August 15, 2007.

Introduction

Blasing and Jones (2004) "Current Greenhouse Gas Concentrations." In *Trends: A Compendium of Data on Global Change*. Carbon Dioxide Information Analysis Center, Oak Ridge National Laboratory. Oak Ridge, TN.

EPA (2008) *Air Emissions Trends—Continued Progress Through 2006*. U.S. Environmental Protection Agency. Washington, DC. Available online at http://www.epa.gov/airtrends/econ-emissions.html>.

EPA (2003) E-mail correspondence. Air pollutant data. Office of Air Pollution to the Office of Air Quality Planning and Standards, U.S. Environmental Protection Agency (EPA). December 22, 2003.

IPCC (2001) *Climate Change 2001: The Scientific Basis*. Intergovernmental Panel on Climate Change, J.T. Houghton, Y. Ding, D.J. Griggs, M. Noguer, P.J. van der Linden, X. Dai, C.A. Johnson, and K. Maskell (eds.). Cambridge University Press. Cambridge, United Kingdom.

IPCC (2000) *Good Practice Guidance and Uncertainty Management in National Greenhouse Gas Inventories.*, National Greenhouse Gas Inventories Programme, Intergovernmental Panel on Climate Change. Montreal. May 2000. IPCC-XVI/Doc. 10 (1.IV.2000).

IPCC (1999) *Aviation and the Global Atmosphere*. Intergovernmental Panel on Climate Change, , J.E. Penner, et al. (eds.). Cambridge University Press. Cambridge, United Kingdom.

IPCC (1996) *Climate Change 1995: The Science of Climate Change*. Intergovernmental Panel on Climate Change, J.T. Houghton, L.G. Meira Filho, B.A. Callander, N. Harris, A. Kattenberg, and K. Maskell. (eds.). Cambridge University Press. Cambridge, United Kingdom.

IPCC/UNEP/OECD/IEA (1997) Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories. Intergovernmental Panel on Climate Change, United Nations Environment Programme, Organization for Economic Co-Operation and Development, International Energy Agency. Paris, France.

Jacobson, M.Z. (2001) "Strong Radiative Heating Due to the Mixing State of Black Carbon in Atmospheric Aerosols." *Nature*, 409:695-697.

NRC (2001) *Climate Change Science: An Analysis of Some Key Questions*. Committee of the Science of Climate Change, National Research Council (NRC). Available online at http://books.nap.edu/html/climatechange>.

UNEP/WMO (1999) *Information Unit on Climate Change*. Framework Convention on Climate Change. Available online at http://unfccc.int.

UNFCCC (2006) Updated UNFCCC reporting guidelines on annual inventories following incorporation of the provisions of decision 14/CP.11. Note by the secretariat. (FCCC/SBSTA/2006/9). United Nations Office at Geneva, Geneva.

UNFCCC (2003) *National Communications: Greenhouse Gas Inventories from Parties included in Annex I to the Convention, UNFCCC Guidelines on Reporting and Review.* Conference of the Parties, Eighth Session, New Delhi. (FCCC/CP/2002/8). March 28, 2003.

WMO (1999) Scientific Assessment of Ozone Depletion, Global Ozone Research and Monitoring Project-Report No. 44, World Meteorological Organization, Geneva, Switzerland.

Trends in Greenhouse Gas Emissions

BEA (2007) 2006 Comprehensive Revision of the National Income and Product Accounts: Current-dollar and "real" GDP, 1929–2006. Bureau of Economic Analysis (BEA), U.S. Department of Commerce, Washington, DC. July 29, 2007. Available online at http://www.bea.doc.gov/bea/dn1.htm.

Duffield, J. (2006) Personal communication. Jim Duffield, Office of Energy Policy and New Uses, USDA and Lauren Flinn, ICF International. April and December.

EIA (2007b) *Short-Term Energy Outlook*. Energy Information Administration, U.S. Department of Energy, Washington, DC.

EIA. (2007c) *Annual Energy Review*. "Appendix A. Table A3: Approximate Heat Content of Petroleum Consumption." Energy Information Administration, U.S. Department of Energy. Washington, D.C. Available online at http://tonto.eia.doe.gov/bookshelf/SearchResults.asp?title=Annual+Energy+Review>

EIA (1991 through 2006) *Fuel Oil and Kerosene Sales*. "Table 22: Adjusted Sales for Farm Use: Distillate Fuel Oil and Kerosene; Sales for Electric Power and Oil Company Uses: Distillate Fuel Oil and Residual Fuel Oil, 2005." Energy Information Administration, U.S. Department of Energy. Washington, DC. Available online at http://www.eia.doe.gov/pub/oil_gas/petroleum/data_publications/fuel_oil_and_kerosene_sales/historical/2005/foks2005.html

EPA (2008) *Air Emissions Trends—Continued Progress Through 2006*. U.S. Environmental Protection Agency. Washington, DC. Available online at http://www.epa.gov/airtrends/econ-emissions.html>.

Heydorn, B. (1997) "Nitrous Oxide—North America." Chemical Economics Handbook, SRI Consulting. May 1997.

IPCC (2001) *Climate Change 2001: The Scientific Basis*. Intergovernmental Panel on Climate Change, J.T. Houghton, Y. Ding, D.J. Griggs, M. Noguer, P.J. van der Linden, X. Dai, C.A. Johnson, and K. Maskell (eds.). Cambridge University Press. Cambridge, United Kingdom.

U.S. Census Bureau (2007) U.S. Census Bureau International Database (IDB). Available online at http://www.census.gov/ipc/www/idbnew.html. August 15, 2007.

Energy

EIA (2007) *International Energy Annual 2007*. Energy Information Administration, U.S. Department of Energy. Washington, DC. Updated June-October 2007. Available online at http://www.eia.doe.gov/emeu/iea/carbon.html >.

Carbon Dioxide Emissions from Fossil Fuel Combustion

AAR (2007) Personal Communication . Clyde Crimmel, Association of American Railroads. Diesel Fuel Consumption for Class I Railroads and Aaron Beaudette, ICF International. October 9, 2007.

AISI (1995 through 2007) Annual Statistical Report, American Iron and Steel Institute, Washington, DC.

APTA (2007) *Public Transportation Fact Book*. American Public Transportation Association, Washington, DC. Available online at http://www.apta.com/research/stats/factbook/index.cfm>.

APTA (2006) *Commuter Rail National Totals*. American Public Transportation Association, Washington, DC. Available online at http://www.apta.com/research/stats/rail/crsum.cfm>.

BEA (2007) 2006 Comprehensive Revision of the National Income and Product Accounts: Current-dollar and

"real" GDP, 1929–2006. Bureau of Economic Analysis (BEA), U.S. Department of Commerce, Washington, DC. July 29, 2007. Available online at http://www.bea.doc.gov/bea/dn1.htm.

BEA (1991 through 2007) Unpublished BE-36 survey data. Bureau of Economic Analysis, U.S. Department of Commerce. Washington, DC.

Benson, D. (2002 through 2004) Unpublished data. Upper Great Plains Transportation Institute, North Dakota State University and American Short Line & Regional Railroad Association.

Coffeyville Resources Nitrogen Fertilizers, LLC (2007) *Business Data*. Available online at http://www.coffeyvillegroup.com/businessSnapshot.asp> September 15, 2007.

Corathers, L. (2007) Personal communication. Lisa Corathers, Commodity Specialist, U.S. Geological Survey and Michael Obeiter, ICF International. September 2007.

Dakota Gasification Company (2006) *CO*₂ *Pipeline Route and Designation Information*. Bismarck, ND. Available online at http://www.dakotagas.com/SafetyHealth/Pipeline_Information.html>.

DHS (2008). Personal communication with Elissa Kay, Residual and Distillate Fuel Oil Consumption (International Bunker Fuels). Department of Homeland Security, Bunker Report. January 11, 2008.

DESC (2007) Unpublished data from the Defense Fuels Automated Management System (DFAMS). Defense Energy Support Center, Defense Logistics Agency, U.S. Department of Defense. Washington, DC.

DOC (1991 through 2007) Unpublished Report of Bunker Fuel Oil Laden on Vessels Cleared for Foreign Countries. Form-563. Foreign Trade Division, Bureau of the Census, U.S. Department of Commerce. Washington, DC.

DOE (1993 through 2005) *Transportation Energy Data Book*. Office of Transportation Technologies, Center for Transportation Analysis, Energy Division, Oak Ridge National Laboratory. Oak Ridge, TN. ORNL-6959.

DOT (1991 through 2007) *Fuel Cost and Consumption*. Federal Aviation Administration, Bureau of Transportation Statistics, U.S. Department of Transportation . Washington, DC. DAI-10.

EIA (2007a) *Annual Energy Review 2006*. Energy Information Administration, U.S. Department of Energy. Washington, DC. DOE/EIA-0384(2006). June 2007.

EIA (2007b) Supplemental Tables on Petroleum Product detail. *Monthly Energy Review, December* 2007, Energy Information Administration, U.S. Department of Energy, Washington, DC. DOE/EIA-0035(2007/12).

EIA (2007c) *Emissions of Greenhouse Gases in the United States 2006, Draft Report.* Office of Integrated Analysis and Forecasting, Energy Information Administration, U.S. Department of Energy. Washington, DC. DOE-EIA-0573(2006).

EIA (2007d) "Table 3.1: World Petroleum Supply and Disposition." *International Energy Annual*. Energy Information Administration, U.S. Department of Energy. Washington, DC. Available online at http://www.eia.doe.gov/iea/pet.html>.

EIA (2007e) *Natural Gas Annual 2006*. Energy Information Administration, U.S. Department of Energy. Washington, DC. DOE/EIA-0131(06). November 2007.

EIA (2007f) *Short-Term Energy Outlook*. Energy Information Administration, U.S. Department of Energy. Washington, DC. December 2006.

EIA (2007g) Personal Communication. Joel Lou, Energy Information Administration. and Aaron Beaudette, ICF International. *Residual and Distillate Fuel Oil Consumption for Vessel Bunkering (Both International and Domestic) for American Samoa, U.S. Pacific Islands, and Wake Island.* October 24, 2007.

EIA (2007h) *Quarterly Coal Report*. Energy Information Administration, U.S. Department of Energy. Washington, DC. DOE/EIA-0121.

EIA (2006) *Historical Natural Gas Annual*, 1930 – 2006. Energy Information Administration, U.S. Department of Energy. Washington, DC.

EIA (2005) *Manufacturing Consumption of Energy 2002*. Energy Information Administration, U.S. Department of Energy. Washington, DC.

EIA (2002) *Alternative Fuels Data Tables*. Energy Information Administration, U.S. Department of Energy. Washington, DC. Available online at http://www.eia.doe.gov/fuelalternate.html>.

EIA (2001) *U.S. Coal, Domestic and International Issues*. Energy Information Administration, U.S. Department of Energy. Washington, DC. March 2001.

EIA (1991 through 2005) *Fuel Oil and Kerosene Sales*. Energy Information Administration, U.S. Department of Energy. Washington, DC. DOE/EIA-0535-annual.

EPA (2004) *NONROAD Model*. Office of Transportation and Air Quality, U.S. Environmental Protection Agency. Available online at http://www.epa.gov/otaq/ngm.htm.

Erickson, T. (2003) *Plains CO₂ Reduction (PCOR) Partnership*. Presented at the Regional Carbon Sequestration Partnership Meeting Pittsburgh, Pennsylvania, Energy and Environmental Research Center, University of North Dakota. November 3, 2003. Available online at http://www.netl.doe.gov/publications/proceedings/03/carbon-seq/Erickson.pdf>.

FAA (2005) "Table 32: General Aviation Aircraft Fuel Consumption," *FAA Aerospace Forecasts Fiscal Years* 2005 – 2016. Federal Aviation Administration. Available online at http://www.faa.gov/data_statistics/aviation/aerospace_forecasts/2005-2016/>.

Fitzpatrick, E. (2002) *The Weyburn Project: A Model for International Collaboration*. Available online at http://www.netl.doe.gov/coalpower/sequestration/pubs/mediarelease/mr-101102.pdf>.

FHWA (1996 through 2006) *Highway Statistics*. Federal Highway Administration, U.S. Department of Transportation. Washington, DC. Report FHWA-PL-96-023-annual.

FRB (2006) *Industrial Production and Capacity Utilization*. Federal Reserve Statistical Release, G.17, Federal Reserve Board. Available online at http://www.federalreserve.gov/releases/G17/table1_2.htm November 7, 2006.

Gaffney, J. (2007) Personal communication, Commuter Rail Diesel Consumption, American Public Transportation Association.

Gambogi, J. (2007) Personal communication. Joseph Gambogi, Commodity Specialist, U.S. Geological Survey and Michael Obeiter, ICF International. October 2007.

Grillot, M. (2007) Personal communication. Mike Grillot, Energy Information Administration and Lauren Pederson, ICF International. *U.S. Territories Fossil Fuel Consumption*, 1990–2006. Unpublished. U.S. Energy Information Administration. Washington, DC.

IPCC (2006) 2006 IPCC Guidelines for National Greenhouse Gas Inventories. The National Greenhouse Gas

Inventories Programme, The Intergovernmental Panel on Climate Change, H.S. Eggleston, L. Buendia, K. Miwa, T Ngara, and K. Tanabe (eds.). Hayama, Kanagawa, Japan.

IPCC/UNEP/OECD/IEA (1997) Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories. Intergovernmental Panel on Climate Change, United Nations Environment Programme, Organization for Economic Co-Operation and Development, International Energy Agency. Paris, France.

Marland, G. and A. Pippin (1990) "United States Emissions of Carbon Dioxide to the Earth's Atmosphere by Economic Activity." *Energy Systems and Policy*, 14(4):323.

SAIC/EIA (2001) *Monte Carlo Simulations of Uncertainty in U.S. Greenhouse Gas Emission Estimates. Final Report.* Prepared by Science Applications International Corporation (SAIC) for Office of Integrated Analysis and Forecasting, Energy Information Administration , U.S. Department of Energy. Washington, DC. June 22, 2001.

Smith, G. (2007) Telephone communication. Gerald Smith, Commodity Specialist, USGS and Toby Krasney, ICF International. 7 October 2007.

USAF (1998) Fuel Logistics Planning. U.S. Air Force: AFPAM23-221. May 1, 1998.

U.S. Census Bureau (2007) *Current Industrial Reports Fertilizer Materials and Related Products: 2006 Summary.* Available online at < http://www.census.gov/industry/1/mq325b065.pdf>.

USGS (1998 through 2002) Mineral Yearbook: Aluminum Annual Report. U.S. Geological Survey, Reston, VA.

USGS (1995 through 2006) Minerals Yearbook: Lead Annual Report. U.S. Geological Survey, Reston, VA.

USGS (1995) *Mineral Industry Surveys: Aluminum Annual Review 1994*. U.S. Geological Survey, U.S. Department of the Interior. Washington, DC. May 1995.

USGS (1991a through 2006a) *Silicon: Annual Report.* U.S. Geological Survey, U.S. Department of the Interior. Washington, DC.

USGS (1991b through 2006b) *Minerals Yearbook: Manufactured Abrasives Annual Report 2005.* U.S. Geological Survey, Reston, VA.

USGS (1991 through 2005) Mineral Yearbook: Titanium Annual Report. U.S. Geological Survey, Reston, VA.

Carbon Emitted from Non-Energy Uses of Fossil Fuels

ACC (2005 through 2007) Guide to the Business of Chemistry. American Chemistry Council.

Adler, B. (2001) Personal communication. Bob Adler, U.S. Energy Information Administration (EIA) to Robert Lanza, ICF International. September 14, 2001.

APC (2003 through 2006) *APC Year-End Statistics*. American Plastics Council website. Available online at http://www.americanplasticscouncil.org/benefits/economic/economic.html>.

APC (2001) as reported in ACS (2001) "Production: slow gains in output of chemicals and products lagged behind U.S. economy as a whole." *Chemical & Engineering News*, 79(26). June 25, 2001. Available online at http://pbus.acs.org/cen.

APC (2000) as reported in "Facts & Figures for the Chemical Industry." *Chemical and Engineering News*, 78(26). June 26, 2000. American Plastics Council, Arlington, VA. Available online at http://www.plasticsindustry.org/industry/stat3.htm.

Bank of Canada (2006) *Financial Markets Department Year Average of Exchange Rates*. Available online at http://www.bankofcanada.ca/en/rates/exchange_avg_pdf.html.

CMA (1999) U.S. Chemical Industry Statistical Handbook. Chemical Manufacturer's Association, Washington, DC.

Connolly, U. (2000) Personal communication. Una Connelly, National Asphalt Pavement Association to Suzanne Bratis, ICF International. August 2000.

EIA (2007) Supplemental Tables on Petroleum Product detail. *Monthly Energy Review, December* 2007, Energy Information Administration, U.S. Department of Energy, Washington, DC. DOE/EIA-0035(2007/12).

EIA (2005) *EIA Manufacturing Consumption of Energy (MECS) 2002*. U.S. Department of Energy, Energy Information Administration. Washington, DC.

EIA (2001) *Manufacturing Energy Consumption Survey (MECS) 1998.* U.S. Department of Energy, Energy Information Administration. Washington, DC. Available online at http://www.eia.doe.gov/emeu/mecs/mecs98/datatables/contents.html>.

EIA (1997) *Manufacturing Energy Consumption Survey (MECS) 1994*. U.S. Department of Energy, Energy Information Administration. Washington, DC. December 1997. DOE/EIA-0512(94).

EIA (1994) *Manufacturing Energy Consumption Survey (MECS) 1991*. U.S. Department of Energy, Energy Information Administration. Washington, DC. December 1994. DOE/EIA-0512(91).

EIIP (1999) Methods for Estimating Greenhouse Gas Emissions from Combustion of Fossil Fuels. Emissions Inventory Improvement Program: State and Territorial Air Pollution Program Administrators/Association of Local Air Pollution Control Officials and U.S. Environmental Protection Agency, EIIP Document Series Volume VIII, Chapter 1, STAPPA/ALAPCO/EPA, Washington, DC. August 2000. Available online at http://www.epa.gov/ttn/chief/eiip/viii01.pdf>. August 28, 2000.

EIIP (1998) "Area Sources." In *Asphalt Paving*. Emissions Inventory Improvement Program: State and Territorial Air Pollution Program Administrators/Association of Local Air Pollution Control Officials and U.S. Environmental Protection Agency, EIIP Document Series Volume III, Chapter 17, STAPPA/ALAPCO/EPA, Washington, DC. August 2000. Available online at http://www.epa.gov/ttn/chief/eiip/iii17.pdf. July 27, 2000.

Eldredge-Roebuck, B. (2000) Personal communication Brandt Eldredge-Roebuck, American Plastics Council to Joe Casola, ICF International. July 11, 2000.

EPA (2007) *Biennial Reporting System (BRS) Database*. Envirofacts Warehouse, U.S. Environmental Protection Agency. Washington, DC. Available online at http://www.epa.gov/enviro/html/brs/>.

EPA (2006a) *Air Emissions Trends – Continued Progress Through 2005*. U.S. Environmental Protection Agency, Washington, DC. December 19, 2006. Available online at http://www.epa.gov/air/airtrends/index.html>.

EPA (2006b) *Biennial Reporting System (BRS) Database*. Envirofacts Warehouse, U.S. Environmental Protection Agency. Washington, DC. Available online at http://www.epa.gov/enviro/html/brs/>.

EPA (2004a) *Biennial Reporting System (BRS)*. Envirofacts Warehouse, U.S. Environmental Protection Agency. Washington, DC. Available online at http://www.epa.gov/enviro/html/brs/>.

EPA (2004b) *Pesticides Industry Sales and Usage: 2000 and 2001 Market Estimates*. Office of Prevention, Pesticides and Toxic Substances, U.S. Environmental Protection Agency. Washington, DC. Available online at http://www.epa.gov/oppbead1/pestsales/>.

EPA (2004c) "Ch. 11: Mineral Products Industry, Hot Mix Asphalt Plants." *AP 42, Fifth Edition Compilation of Air Pollutant Emission Factors, Volume 1: Stationary Point and Area Sources.* Available online at http://www.epa.gov/ttn/chief/ap42/ February 25, 2008.

EPA (2002) *Pesticides Industry Sales and Usage, 1998 and 1999 Market Estimates.* Office of Prevention, Pesticides and Toxic Substances, U.S. Environmental Protection Agency. Washington, DC. Available online at http://www.epa.gov/oppbead1/pestsales/99pestsales/market_estimates1999.pdf>. July 2003.

EPA (2001) *Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990–1999*. Office of Atmospheric Programs, U.S. Environmental Protection Agency. Washington, DC. EPA 236-R-01-001.

EPA (2000a) *Toxics Release Inventory*, 1998. Office of Information Analysis and Access, Office of Environmental Information, U.S. Environmental Protection Agency. Washington, DC. Available online at http://www.epa.gov/triexplorer/chemical.htm>.

EPA (2000b) *Hot Mix Asphalt Plants Emission Assessment Report (Draft Report), AP-42*. Office of Air Quality Planning and Standards, U.S. Environmental Protection Agency. Research Triangle Park, NC. June 2000. Available online at http://www.epa.gov/ttn/emc/asphalt/ea-report.pdf> July 25, 2000.

EPA (1999) *Pesticides Industry Sales and Usage: 1996 and 1997 Market Estimates.*, Office of Prevention, Pesticides and Toxic Substances, U.S. Environmental Protection Agency, Washington, DC. Available online at http://www.epa.gov/oppbead1/pestsales/97pestsales/97pestsales/97pestsales/market_estimates1997.pdf>.

EPA (1998) *Pesticides Industry Sales and Usage, 1994 and 1995 Market Estimates*. Office of Prevention, Pesticides and Toxic Substances, U.S. Environmental Protection Agency. Washington, DC. Available online at http://www.epa.gov/oppbead1/pestsales/95pestsales/market-estimates1995.pdf> July 2003.

EPA (1995) *Asphalt Paving Operations, AP-42*. Office of Air Quality Planning and Standards, U.S. Environmental Protection Agency, Research Triangle Park, NC.

FEB (2007) Fiber Economics Bureau, as cited in C&EN (2007) "Gains in Chemical Output Continue," *Chemical & Engineering News*, American Chemical Society. Available online at http://www.cen-online.org July 2, 2007.

FEB (2003, 2005, 2006) Fiber Economics Bureau, as cited in C&EN (2006) *Production: Growth in the Norm.* Chemical & Engineering News, American Chemical Society. Available online at http://www.cen-online.org.

FEB (2001) as reported in "Production: slow gains in output of chemicals and products lagged behind U.S. economy as a whole." *Chemical and Engineering News*, Vol. 79(26). Fiber Economics Bureau, Washington, DC. June 25, 2001. Available online at http://pubs.acs.org/cen/coverstory/7926/7926facts&figures.html>.

The Financial Planning Association (2006) *Canada/US Cross-Border Tools: US/Canada Exchange Rates*. Available online at http://www.fpanet.org/global/planners/US_Canada_ex_rates.cfm. August 16, 2006.

Gosselin, Smith, and Hodge (1984) *Clinical Toxicology of Commercial Products*. Fifth Edition, Williams & Wilkins, Baltimore, MD

IISRP (2003) *IISRP Forecasts Moderate Growth in North America to 2007*. International Institute of Synthetic Rubber Producers, Inc. Available online at http://www.iisrp.com/press-releases/2003-Press-Releases/IISRP-NA-Forecast-03-07.html>.

IISRP (2000) as reported in ACS (2001) "Facts & Figures for the Chemical Industry." *Chemical and Engineering News*, Vol. 78(26). June 26, 2000. International Institute of Synthetic Rubber Producers, Houston, Texas. Available online at http://www.iisrp.com/Press%20Releases/2000%20Press%20Releases/ASPR2000-2004.PDF>. February 18, 2000

INEGI (2006) Producción bruta total de las unidades económicas manufactureras por Subsector, Rama, Subrama y Clase de actividad. Available online at

http://www.inegi.gob.mx/est/contenidos/espanol/proyectos/censos/ce2004/tb_manufacturas.asp. August 15, 2006.

IPCC (2006) 2006 IPCC Guidelines for National Greenhouse Gas Inventories. The National Greenhouse Gas Inventories Programme, The Intergovernmental Panel on Climate Change, H.S. Eggleston, L. Buendia, K. Miwa, T. Ngara, and K. Tanabe (eds.). Hayama, Kanagawa, Japan.

IPCC/UNEP/OECD/IEA (1997) Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories. Intergovernmental Panel on Climate Change, United Nations Environment Programme, Organization for Economic Co-Operation and Development, International Energy Agency. Paris, France.

Marland, G. and R. M. Rotty (1984) "Carbon dioxide emissions from fossil fuels: a procedure for estimation and results for 1950-1982." *Tellus*, 36B(4), 232-261.

Miller, T. (1999) *Material Safety Data Sheet, Carbon Black*. Continental Carbon Company. September 1, 1999. Available online at http://www.continentalcarbon.com/downloads/MSDS.pdf. October 10, 2003.

NPRA (2001) Selected Petrochemical Statistics—U.S. Trade, Production and Consumption. National Petrochemical & Refiners Association. Washington, DC.

PAN (2002) *Pesticides Database*. Pesticide Action Network North America. Available online at http://www.pesticideinfo.org>. 2003.

RMA (2006) *Scrap Tire Markets in the United States 2005 Edition*. Rubber Manufacturers Association. Washington, DC. November 2006.

RMA (2002) U.S. Scrap Tire Markets 2001. Rubber Manufacturers Association. Washington, DC. December 2002.

Schneider, S. (2007) E-mail communication Shelly Schneider, Franklin Associates to Sarah Shapiro, ICF International., A Division of ERG. January 10, 2007.

SPI (2000) "The Society of the Plastics Industry." Available online at http://www.plasticsindustry.org/industry/stat3.htm. June 28, 2000.

Statistics Canada (2006) "Canadian Trade by Industry - NAICS Codes: NAICS 3252 - Resin, Synthetic Rubber, and Artificial and Synthetic Fibres and Filaments Manufacturing (NAICS 3252)." Available online at .

STMC (2003) *Scrap Tire Facts and Figures*. Scrap Tire Management Council of the Rubber Manufacturers Association. Washington, DC. Available online at http://www.rma.org/scrap_tires/scrap_tire_markets/facts_and_figures/ and

http://www.rma.org/scrap_tires/scrap_tire_markets/scrap_tire_characteristics/. July 7, 2003.

Tooly, L. (2001) E-mail communication. Email from Lee Tooly, EPA's Office of Air Quality Planning and Standards to Robert Lanza, ICF International. August 20, 2001.

U.S. Census Bureau (2004) *Soap and Other Detergent Manufacturing:* 2002. December 2004, EC02-31I-325611 (RV). Available online at http://www.census.gov/prod/ec02/ec0231i325611.pdf>.

- U.S. Census Bureau (2003) *U.S International Trade Commission (USITC) Trade Dataweb*. Available online at http://dataweb.usitc.gov/.
- U.S. Census Bureau (1999) 1997 Economic Census, Manufacturing—Industry Series, Petroleum Lubricating Oil and Grease Manufacturing and Petroleum Refining. EC97M-3241D and EC97M-3241A (2 reports).
- U.S. International Trade Commission (2007) Available online at http://dataweb.usitc.gov/. November 7, 2007.
- U.S. International Trade Commission (2006) Available online at http://dataweb.usitc.gov/. September 27, 2006.

Wood, A. (2003) "Compendium of Pesticide Common Names." Available online at http://www.alanwood.net/pesticides/index.html.

Stationary Combustion (excluding CO₂)

EIA (2007a) Supplemental Tables on Petroleum Product detail. *Monthly Energy Review, December 2007*, Energy Information Administration, U.S. Department of Energy, Washington, DC. DOE/EIA-0035(2007/12).

EIA (2007b) *Annual Energy Review 2006*. Energy Information Administration, U.S. Department of Energy. Washington, DC. DOE/EIA-0384(2006). June 2007.

EPA (2004) *NONROAD Model*. Office of Transportation and Air Quality, U.S. Environmental Protection Agency. Available online at http://www.epa.gov/otaq/ngm.htm.

EPA (2003) E-mail correspondence. Air pollutant data. Office of Air Pollution to the Office of Air Quality Planning and Standards, U.S. Environmental Protection Agency (EPA). December 22, 2003.

Grillot, M. (2007) Personal communication. *U.S. Territories Fossil Fuel Consumption*, 1990-2006. Unpublished . U.S. Energy Information Administration. Washington, DC.

IPCC (2006) 2006 IPCC Guidelines for National Greenhouse Gas Inventories. The National Greenhouse Gas Inventories Programme, The Intergovernmental Panel on Climate Change, H.S. Eggleston, L. Buendia, K. Miwa, T Ngara, and K. Tanabe (eds.). Hayama, Kanagawa, Japan.

IPCC (2000) *Good Practice Guidance and Uncertainty Management in National Greenhouse Gas Inventories*. , National Greenhouse Gas Inventories Programme, Intergovernmental Panel on Climate Change. Montreal. May 2000. IPCC-XVI/Doc. 10 (1.IV.2000).

IPCC/UNEP/OECD/IEA (1997) Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories. Intergovernmental Panel on Climate Change, United Nations Environment Programme, Organization for Economic Co-Operation and Development, International Energy Agency. Paris, France.

SAIC/EIA (2001) *Monte Carlo Simulations of Uncertainty in U.S. Greenhouse Gas Emission Estimates. Final Report.* Prepared by Science Applications International Corporation (SAIC) for Office of Integrated Analysis and Forecasting, Energy Information Administration, U.S. Department of Energy. Washington, DC. June 22, 2001.

Mobile Combustion (excluding CO₂)

AAR (2007) *Railroad Facts*, 2007 Ed. Policy and Economics Department, Association of American Railroads, Washington, DC.

ANL (2006) Argonne National Laboratory (2006) GREET model Version 1.7. June 2006.

APTA (2007) Public Transportation Fact Book. American Public Transportation Association, Washington, DC.

Available online at http://www.apta.com/research/stats/factbook/index.cfm>.

APTA (2006) *Commuter Rail National Totals*. American Public Transportation Association, Washington, DC. Available online at http://www.apta.com/research/stats/rail/crsum.cfm>.

Benson, D. (2002 through 2004) Personal communication. Unpublished data developed by the Upper Great Plains Transportation Institute, North Dakota State University and American Short Line & Regional Railroad Association.

BEA (1991 through 2005) Unpublished BE-36 survey data. Bureau of Economic Analysis (BEA), U.S. Department of Commerce.

Browning, L. (2005) Personal communication with Lou Browning, Emission control technologies for diesel highway vehicles specialist, ICF International.

Browning, L. (2003) "VMT Projections for Alternative Fueled and Advanced Technology Vehicles through 2025." 13th CRC On-Road Vehicle Emissions Workshop. April 2003.

DHS (2008). Personal communication with Elissa Kay, Residual and Distillate Fuel Oil Consumption (International Bunker Fuels). Department of Homeland Security, Bunker Report. January 11, 2008.

DESC (2007) Unpublished data from the Defense Fuels Automated Management System (DFAMS). Defense Energy Support Center, Defense Logistics Agency, U.S. Department of Defense.

DOC (1991 through 2007) Unpublished *Report of Bunker Fuel Oil Laden on Vessels Cleared for Foreign Countries*. Form-563, Foreign Trade Division, Bureau of the Census, U.S. Department of Commerce.

DOE (1993 through 2007) *Transportation Energy Data Book*. Office of Transportation Technologies, Center for Transportation Analysis, Energy Division, Oak Ridge National Laboratory. ORNL-5198.

DOT (1991 through 2007) *Fuel Cost and Consumption*. Federal Aviation Administration, U.S. Department of Transportation, Bureau of Transportation Statistics, Washington, DC. DAI-10.

EIA (2007a) Supplemental Tables on Petroleum Product detail. *Monthly Energy Review, December* 2007, Energy Information Administration, U.S. Department of Energy, Washington, DC. DOE/EIA-0035(2007/12).

EIA (2007b) *International Energy Annual*. World Petroleum Supply and Disposition, Table 3.1. Available online at http://www.eia.doe.gov/iea/pet.html>.

EIA (2007c) *Annual Energy Review 2006*. Energy Information Administration, U.S. Department of Energy, Washington, DC. July 2006. DOE/EIA-0384(2005).

EIA (2007d) *Natural Gas Annual 2006*. Energy Information Administration, U.S. Department of Energy, Washington, DC. DOE/EIA-0131(06).

EIA (2002) *Alternative Fuels Data Tables*. Energy Information Administration, U.S. Department of Energy, Washington, DC. Available online at http://www.eia.doe.gov/fuelrenewable.html>.

EIA (1991 through 2007) Fuel Oil and Kerosene Sales. Energy Information Administration, U.S. Department of Energy, Washington, DC. DOE/EIA-0535-annual.

EPA (2008) Air Emissions Trends - Continued Progress Through 2006. U.S. Environmental Protection Agency, Washington, DC. December 19, 2006. Available online at http://www.epa.gov/air/airtrends/index.html>.

EPA (2007a) Annual Certification Test Results Report. Office of Transportation and Air Quality, U.S.

Environmental Protection Agency. Available online at http://www.epa.gov/otaq/crttst.htm.

EPA (2007b) Confidential engine family sales data submitted to EPA by manufacturers. Office of Transportation and Air Quality, U.S. Environmental Protection Agency.

EPA (2007c) Motor Vehicle Emission Simulator (MOVES). Office of Transportation and Air Quality, U.S. Environmental Protection Agency. Available online at http://www.epa.gov/otaq/ngm.htm.

EPA (2006a) NONROAD Model. Office of Transportation and Air Quality, U.S. Environmental Protection Agency. Available online at http://www.epa.gov/otaq/nonrdmdl.htm.

EPA (2005) National Emissions Inventory Air Pollutant Emissions Trends Data. Available online at http://www.epa.gov/ttn/chief/trends/index.html#tables.

EPA (2003) E-mail correspondence containing preliminary ambient air pollutant data between the Office of Air Pollution and the Office of Air Quality Planning and Standards, U.S. Environmental Protection Agency (EPA). December 22, 2003.

EPA (2000) *Mobile Vehicle Emission Modeling Software*. Office of Mobile Sources, U.S. Environmental Protection Agency, Ann Arbor, Michigan.

EPA (1999a) *Emission Facts: The History of Reducing Tailpipe Emissions*. Office of Mobile Sources. May 1999. EPA 420-F-99-017. Available online at http://www.epa.gov/oms/consumer/f99017.pdf>.

EPA (1999b) Regulatory Announcement: EPA's Program for Cleaner Vehicles and Cleaner Gasoline. Office of Mobile Sources. December 1999. EPA420-F-99-051. Available online at http://www.epa.gov/otaq/regs/ld-hwy/tier-2/frm/f99051.pdf>.

EPA (1998) Emissions of Nitrous Oxide from Highway Mobile Sources: Comments on the Draft Inventory of U.S. Greenhouse Gas Emissions and Sinks, 1990–1996. Office of Mobile Sources, Assessment and Modeling Division, U.S. Environmental Protection Agency. August 1998. EPA420-R-98-009.

EPA (1997) *Mobile Source Emission Factor Model (MOBILE5a)*. Office of Mobile Sources, U.S. Environmental Protection Agency, Ann Arbor, Michigan.

EPA (1994a) *Automobile Emissions: An Overview*. Office of Mobile Sources. August 1994. EPA 400-F-92-007. Available online at http://www.epa.gov/otaq/consumer/05-autos.pdf>.

EPA (1994b) *Milestones in Auto Emissions Control*. Office of Mobile Sources. August 1994. EPA 400-F-92-014. Available online at http://www.epa.gov/otaq/consumer/12-miles.pdf>.

EPA (1993) *Automobiles and Carbon Monoxide*. Office of Mobile Sources. January 1993. EPA 400-F-92-005. Available online at http://www.epa.gov/otaq/consumer/03-co.pdf>.

Esser, C. (2003 through 2004) Personal Communication with Charles Esser, Residual and Distillate Fuel Oil Consumption for Vessel Bunkering (Both International and Domestic) for American Samoa, U.S. Pacific Islands, and Wake Island.

FAA (2007). FAA Aerospace Forecasts Fiscal Years 2007–2020. Table 30 "General Aviation Aircraft Fuel Consumption," Federal Aviation Administration. Available online at http://www.faa.gov/data_statistics/aviation/aerospace_forecasts/2007-2020/media/FORECAST%20BOOK%20SM.pdf/.

FAA (2006) Email correspondence containing aviation emissions estimates from the System for Assessing

Aviation's Global Emissions (SAGE). August 2006.

FHWA (1996 through 2007) *Highway Statistics*. Federal Highway Administration, U.S. Department of Transportation, Washington, DC. Report FHWA-PL-96-023-annual. Available online at http://www.fhwa.dot.gov/policy/ohpi/hss/hsspubs.htm>.

Gaffney, J. (2007) Personal communication, Commuter Rail Diesel Consumption, American Public Transportation Association.

ICF (2006a) Revisions to Alternative Fuel Vehicle (AFV) Emission Factors for the U.S. Greenhouse Gas Inventory. Memorandum from ICF International to John Davies, Office of Transportation and Air Quality, U.S. Environmental Protection Agency. November 2006.

ICF (2006b) *Revised Gasoline Vehicle EFs for LEV and Tier 2 Emission Levels*. Memorandum from ICF International to John Davies, Office of Transportation and Air Quality, U.S. Environmental Protection Agency. November 2006.

ICF (2004) Update of Methane and Nitrous Oxide Emission Factors for On-Highway Vehicles. Final Report to U.S. Environmental Protection Agency. February 2004.

IPCC/UNEP/OECD/IEA (1997) Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories. Intergovernmental Panel on Climate Change, United Nations Environment Programme, Organization for Economic Co-Operation and Development, International Energy Agency, Paris, France.

Lipman, T. and M. Delucchi (2002) "Emissions of Nitrous Oxide and Methane from Conventional and Alternative Fuel Motor Vehicles." *Climate Change*, 53:477-516.

Lou, J. (2007) Personal Communication with Joel Lou, Residual and Distillate Fuel Oil Consumption for Vessel (Both International and Domestic) for American Samoa, U.S. Pacific Islands, and Wake Island.

Unnasch, S., L. Browning, and E. Kassoy (2001) *Refinement of Selected Fuel-Cycle Emissions Analyses, Final Report to ARB*.

U.S. Census Bureau (2000) *Vehicle Inventory and Use Survey*. U.S. Census Bureau, Washington, DC. Database CD-EC97-VIUS.

Whorton, D. (2006 through 2007) Personal communication, Class II and III Rail energy consumption, American Short Line and Regional Railroad Association.

Coal Mining

AAPG (1984) Coalbed Methane Resources of the United States. AAPG Studies in Geology Series #17.

DOE (1983) *Methane Recovery from Coalbeds: A Potential Energy Source*. U.S. Department of Energy. DOE/METC/83-76.

EIA (2006) *Annual Coal Report 1991-2005* (Formerly called *Coal Industry Annual*). Table 3. U.S. Department of Energy, Energy Information Administration, Washington, DC.

EPA (1996) Evaluation and Analysis of Gas Content and Coal Properties of Major Coal Bearing Regions of the United States. U.S. Environmental Protection Agency. EPA/600/R-96-065.

GRI (1988) A Geologic Assessment of Natural Gas from Coal Seams. Topical Reports, Gas Research Institute 1986-88.

Mutmansky, Jan M. and Yanebi Wang (2000) "Analysis of Potential Errors in Determination of Coal Mine Annual Methane Emissions." *Mineral Resources Engineering*, 9(4). December 2000.

USBM (1986) Results of the Direct Method Determination of the Gas Contents of U.S. Coal Basins. Circular 9067, U.S. Bureau of Mines.

Abandoned Underground Coal Mines

EPA (2003) *Methane Emissions Estimates & Methodology for Abandoned Coal Mines in the U.S.* Draft Final Report. Washington, DC. June 2003.

Mutmansky, Jan M., and Yanbei Wang (2000) *Analysis of Potential Errors in Determination of Coal Mine Annual Methane Emissions*. Department of Energy and Geo-Environmental Engineering, Pennsylvania State University. University Park, PA.

U.S. Department of Labor, Mine Health & Safety Administration (2007) *Data Retrieval System*. Available online at http://www.msha.gov/drs/drshome.htm.

Natural Gas Systems

AAPG (2004) Shale Gas Exciting Again. American Association of Petroleum Geologists. Available online at http://www.aapg.org/explorer/2001/03mar/gas_shales.html.

AGA (1991 through 1998) Gas Facts. American Gas Association. Washington, DC.

API (2005) "Table 12—Section III—Producing Oil Wells in the United States by State." In *Basic Petroleum Data Book*. American Petroleum Institute, Volume XXV, Number 1. February 2005.

Alabama (2007) "Alabama State Oil and Gas Board." Available online at http://www.ogb.state.al.us.

Brookhaven (2004) *Natural Gas Field Subject of Interest at Brookhaven College*. Brookhaven College. Available online at http://www.brookhavencollege.edu/news/2004/news1752.html.

EIA (2007a) *Number of Producing Gas and Gas Condensate Wells, 1989-2005, Natural Gas Navigator*. Energy Information Administration, U.S. Department of Energy. Washington, DC. Available online at http://tonto.eia.doe.gov/dnav/ng/ng_prod_wells_s1_a.htm>.

EIA (2007b) "Table 1—Supply and Disposition of Dry Natural Gas in the United States 1999-2006." Natural Gas Monthly, Energy Information Administration, U.S. Department of Energy. Washington, DC. Available online at http://www.eia.doe.gov>.

EIA (2007c) "Table 2—Natural Gas Consumption in the United States." Natural Gas Monthly, Energy Information Administration, U.S. Department of Energy. Washington, DC. Available online at http://www.eia.doe.gov>.

EIA (2007d) "Table 5.2." Monthly Energy Review. Energy Information Administration, U.S. Department of Energy. Washington, DC. Available online at http://www.eia.doe.gov/emeu/mer/resource.html>.

EIA (2007e) "Table 6—Marketed Production of Natural Gas by State." Natural Gas Monthly, Energy Information Administration, U.S. Department of Energy. Washington, DC. Available online at http://www.eia.doe.gov>.

EIA (2007f) *U.S. Imports by Country*. Energy Information Administration, U.S. Department of Energy. Washington, DC. Available online at http://tonto.eia.doe.gov/dnav/ng/ng_move_top.asp.

EIA (2005) "Table 5—U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, 1977-2003." Energy

Information Administration, Department of Energy. Washington, DC.

EIA (2004) *US LNG Markets and Uses*. Energy Information Administration, U.S. Department of Energy. Washington, DC. June 2004. Available online at http://www.eia.doe.gov/pub/oil_gas/natural_gas/feature_articles/2004/lng/lng2004.pdf>.

EIA (2001) "Documentation of the Oil and Gas Supply Module (OGSM)." Energy Information Administration, U.S. Department of Energy. Washington, DC. Available online at http://tonto.eia.doe.gov/FTPROOT/modeldoc/m063(2001).pdf>.

EIA (1996) "Emissions of Greenhouse Gases in the United States" *Carbon Dioxide Emissions*. Energy Information Administration, U.S. Department of Energy, Washington, DC.

EPA (2007) Natural Gas STAR Reductions 1990-2006. Natural Gas STAR Program.

EPA (1999) Estimates of Methane Emissions from the U.S. Oil Industry (Draft Report). Prepared by ICF-Kaiser, Office of Air and Radiation, U.S. Environmental Protection Agency. October 1999.

EPA/GRI (1996) *Methane Emissions from the Natural Gas Industry*. Harrison, M., T. Shires, J. Wessels, and R. Cowgill, (eds.). Radian International LLC for National Risk Management Research Laboratory, Air Pollution Prevention and Control Division, Research Triangle Park, NC. EPA-600/R-96-080a.

GTI (2001) Gas Resource Database: Unconventional Natural Gas and Gas Composition Databases. Second Edition. GRI-01/0136.

IPCC (2007) 2007 IPCC Guidelines for National Greenhouse Gas Inventories. The National Greenhouse Gas Inventories Programme, Intergovernmental Panel on Climate Change. H.S. Eggleston, L. Buendia, K. Miwa, T Ngara, and K. Tanabe, (eds.). Hayama, Kanagawa, Japan.

Kansas (2007) "Oil and Gas Production Data, All Wells." *Kansas Geological Survey*. University of Kansas. Available online at http://www.kgs.ku.edu/PRS/petroDB.html.

Lippman (2003) Rocky Mountain Region Second Quarter 2003 Production Report. Lippman Consulting, Inc.

MMS (2007a) *Gulf of Mexico Region Offshore Information*. Minerals Management Service, U.S. Department of Interior. Available online at http://www.gomr.mms.gov/homepg/offshore/fldresv/resvmenu.html>.

MMS (2007b) *Gulf of Mexico Region Products/Free Data.* Minerals Management Service, U.S. Department of Interior. Available online at http://www.gomr.mms.gov/homepg/pubinfo/freeasci/platform/freeplat.html>.

MMS (2007c) *Gulfwide Emission Inventory Study for the Regional Haze and Ozone Modeling Effort.* OCS Study MMS 2004-072.

MMS (2007d) *OCS Platform Activity*. Minerals Management Service, U.S. Department of Interior. Available online at http://www.mms.gov/stats.

MMS (2007e) *Pacific OCS Region*. Minerals Management Service, U.S. Department of Interior. Available online at http://www.gomr.mms.gov/homepg/pubinfo/pacificfreeasci/platform/pacificfreeplat.html.

Montana (2007) *Montana Online Oil and Gas Information System*. Montana Board of Oil and Gas Conservation, Billing Office. Available online at http://bogc.dnrc.state.mt.us/jdpIntro.htm>.

Morgan Stanley (2005) "Barnett Shale Update: None-Core Confidence Rises." Available online at http://www.endevcoinc.com/technical%20papers/Morgan%20Stanley%20Outlook%20on%20Barnett%20

Shale.pdf>.

New Mexico (2007a) "Annual Gas Well Counts by State District." Available online at http://www.emnrd.state.nm.us/emnrd/ocd/>.

New Mexico (2007b) "Districts." Available online at http://www.emnrd.state.nm.us/ocd/districts.htm.

OGJ (1997-2007) "Worldwide Gas Processing." Oil & Gas Journal, PennWell Corporation, Tulsa, OK.

Oklahoma (2007) *Oklahoma Petroleum Information Center—Coalbed-Methane Completions database*. Oklahoma Geological Survey. Available online at http://www.ogs.ou.edu/OPIC/>.

OPS (2007a) *Natural Gas Transmission Pipeline Annual Mileage*. Office of Pipeline Safety, U.S. Department of Transportation. Washington, DC. Available online at http://ops.dot.gov/stats/stats.htm.

OPS (2007b) *Distribution Annuals Data*. Office of Pipeline Safety, U.S. Department of Transportation. Washington, DC. Available online at http://ops.dot.gov/stats/DT98.htm.

Texas (2007a) *Gas Well Counts by County*. Texas Railroad Commission. Available online at http://www.rrc.state.tx.us/divisions/og/statistics/wells/oggwlct.pdf>.

Texas (2007b) *Oil Well Counts by County*. Texas Railroad Commission. Available online at http://www.rrc.state.tx.us/divisions/og/statistics/wells/ogowlct.pdf>.

Texas (2007c) *The Barnett Shale Regional Report*. Brad Foster,. Devon Energy, Texas Railroad Commission. Available online at http://www.findarticles.com/p/articles/mi_qn4182/is_20050620/ai_n14675582.

Texas (2007d) *Oil and Gas District Boundaries*. Texas Railroad Commission. Available online at http://www.rrc.state.tx.us/divisions/og/ogmap.html>.

Utah (2007) *Oil and Gas Data Download.* Utah Division of Oil, Gas and Mining, Department of Natural Resources. Available online at http://ogm.utah.gov/oilgas/DOWNLOAD/downpage.htm.

World Oil Magazine (2007a) "Outlook 2007: Producing Gas Wells." 228(2). February 2007. Available online at < http://www.worldoil.com/magazine/MAGAZINE_DETAIL.asp?ART_ID=3115&MONTH_YEAR=Feb-2007 >.

World Oil Magazine (2007b) "Outlook 2007: Producing Oil Wells." 228(2). February 2007. Available online at http://www.worldoil.com/magazine/MAGAZINE DETAIL.asp?ART ID=3114&MONTH YEAR=Feb-2007 >.

Wyoming (2007) "Wyoming Oil and Gas Conservation Commission." Available online at http://wogcc.state.wy.us/coalbedchart.cfm>.

Petroleum Systems

EIA (1990 through 2006) *Petroleum Supply Annual 1990-2005 Volume 1*. Energy Information Administration, U.S. Department of Energy. Washington, DC.

EIA (1990 through 2007) *Refinery Capacity Report*. Energy Information Administration, U.S. Department of Energy. Washington, DC. Available online at http://www.eia.doe.gov/oil gas/petroleum/data publications/refinery capacity data/refcapacity.html>.

EIA (1995 through 2007a) *Annual Energy Review*. Energy Information Administration, U.S. Department of Energy. Washington, DC. Available online at http://www.eia.doe.gov/emeu/aer/contents.html.

EIA (1995 through 2007b) *Monthly Energy Review*. Energy Information Administration, U.S. Department of Energy. Washington, DC. Available online at http://www.eia.doe.gov/emeu/mer>.

EPA (2005) Incorporating the Mineral Management Service Gulfwide Offshore Activities Data System (GOADS) 2000 data into the methane emissions inventories. Prepared by ICF International.U.S. Environmental Protection Agency. 2005.

EPA (1999) Estimates of Methane Emissions from the U.S. Oil Industry (Draft Report). Prepared by ICF International. Office of Air and Radiation, U.S. Environmental Protection Agency. October 1999.

EPA (1996) *Methane Emissions from the U.S. Petroleum Industry (Draft)*. Prepared by Radian. U.S. Environmental Protection Agency. June 1996.

EPA (1995) Compilation of Air Pollutant Emission Factors AP-42, Fifth Edition, Volume I: Stationary Point and Area Sources. U.S. Environmental Protection Agency. Available online at http://www.epa.gov/ttn/chief/ap42/index.html>.

EPA/GRI (1996a) Methane Emissions from the Natural Gas Industry, V7: Blow and Purge Activities. Prepared by Radian. U.S. Environmental Protection Agency. April 1996.

EPA/GRI (1996b) *Methane Emissions from the Natural Gas Industry, V11: Compressor Driver Exhaust.* Prepared by Radian. U.S. Environmental Protection Agency. April 1996.

EPA/GRI (1996c) *Methane Emissions from the Natural Gas Industry, V12: Pneumatic Devices.* Prepared by Radian. U.S. Environmental Protection Agency. April 1996.

EPA/GRI (1996d) *Methane Emissions from the Natural Gas Industry, V13: Chemical Injection Pumps*. Prepared by Radian. U.S. Environmental Protection Agency. April 1996.

IOGCC (2007) *Marginal Wells: fuel for economic growth 2006 Report*. Interstate Oil & Gas Compact Commission. Available online at < http://www.iogcc.state.ok.us/news_pubs.aspx>.

MMS (2001) *Field and Reserve Information*. Minerals Management Service, U.S. Department of Interior. Available online at http://www.gomr.mms.gov/homepg/offshore/fldresv/resvmenu.html>.

MMS (2004). Gulfwide Emission Inventory Study for the Regional Haze and Ozone Modeling Effort. OCS Study MMS 2004-072.

MMS (2007a) *OCS Platform Activity*. Minerals Management Service, U.S. Department of Interior. Available online at http://www.mms.gov/stats.

MMS (2007b) *Platform Information and Data*. Minerals Management Service, U.S. Department of Interior. Available online at http://www.gomr.mms.gov/homepg/pubinfo/freeasci/platform/freeplat.html>.

MMS (2007c) *Pacific OCS Region*. Minerals Management Service, U.S. Department of Interior. Available online at http://www.gomr.mms.gov/homepg/pubinfo/pacificfreeasci/platform/pacificfreeplat.html>.

OGJ (2007a) Oil and Gas Journal 1990-2007. Pipeline Economics Issue, September 2007.

OGJ (2007b) Oil and Gas Journal 1990-2007. Worldwide Refining Issue, January 1, 2007.

United States Army Corps of Engineers (1995-2005) *Waterborne Commerce of the United States, Part 5: National Summaries*. U.S. Army Corps of Engineers. Washington, DC.

Municipal Solid Waste Combustion

De Soete, G.G. (1993) "Nitrous Oxide from Combustion and Industry: Chemistry, Emissions and Control." In A. R. Van Amstel, (ed) *Proc. of the International Workshop Methane and Nitrous Oxide: Methods in National Emission Inventories and Options for Control*, Amersfoort, NL. February 3-5, 1993.

DeZan, D. (2000) Personal communication. Diane DeZan, Fiber Economics Bureau and Joe Casola, ICF International. August 4, 2000.

EPA (2007) *Municipal Solid Waste in the United States: Facts and Figures for 2006*. Office of Solid Waste and Emergency Response, U.S. Environmental Protection Agency. Washington, DC. Available online at http://www.epa.gov/epaoswer/non-hw/muncpl/msw99.htm>.

EPA (2006a) Solid Waste Management and Greenhouse Gases: A Life-Cycle Assessment of Emissions and Sinks. Office of Solid Waste and Emergency Response, U.S. Environmental Protection Agency. Washington, DC.

EPA (2006b) *Municipal Solid Waste in the United States: Facts and Figures for 2005*. Office of Solid Waste and Emergency Response, U.S. Environmental Protection Agency. Washington, DC. Available online at http://www.epa.gov/epaoswer/non-hw/muncpl/msw99.htm>.

EPA (2005a) Municipal Solid Waste Generation, Recycling, and Disposal in the United States: Facts and Figures for 2003. Office of Solid Waste and Emergency Response, U.S. Environmental Protection Agency, Washington. DC. Available online at http://www.epa.gov/epaoswer/non-hw/muncpl/pubs/msw05rpt.pdf.

EPA (2003) Characterization of Municipal Solid Waste in the United States: 2001 Update (Draft). Office of Solid Waste and Emergency Response, U.S. Environmental Protection Agency. Washington, DC.

EPA (2002) Characterization of Municipal Solid Waste in the United States: 2000 Update. Office of Solid Waste and Emergency Response, U.S. Environmental Protection Agency. Washington, DC. EPA530-R-02-001.

EPA (2000a) Characterization of Municipal Solid Waste in the United States: 1999 Update Fact Sheet (and Data Tables). Office of Solid Waste, U.S. Environmental Protection Agency. Washington, DC. EPA530-F-00-024.

EPA (2000b) Characterization of Municipal Solid Waste in the United States: Source Data on the 1999 Update. Office of Solid Waste, U.S. Environmental Protection Agency. Washington, DC. EPA530-F-00-024.

EPA (1996 through 1999) *Characterization of Municipal Solid Waste in the United States*. Office of Solid Waste, U.S. Environmental Protection Agency. Washington, DC.

EPA (1995) *Compilation of Air Pollutant Emission Factors, AP-42*. Fifth Edition, "Volume I: Stationary Point and Area Sources: Introduction." Office of Air Quality Planning and Standards, U.S. Environmental Protection Agency. Research Triangle Park, NC. October 1995.

FEB (2006) Fiber Economics Bureau, as cited in C&EN (2006) "Production: Growth in Most Regions," *Chemical & Engineering News*, American Chemical Society, July 11, 2006. Available online at http://www.cen-online.org.

Glenn, Jim (1999) "11th Annual BioCycle Nationwide Survey: The State of Garbage in America." *BioCycle*, JG Press, Emmaus, PA. April 1999.

Goldstein, N. and C. Madtes (2001) "13th Annual BioCycle Nationwide Survey: The State of Garbage in America." *BioCycles*, JG Press, Emmaus, PA. December 2001.

Goldstein, N. and C. Madtes (2000) "12th Annual BioCycle Nationwide Survey: The State of Garbage in America, Part I." *BioCycle*, JG Press, Emmaus, PA. November 2000.

IPCC (2000) *Good Practice Guidance and Uncertainty Management in National Greenhouse Gas Inventories*. , National Greenhouse Gas Inventories Programme, Intergovernmental Panel on Climate Change. Montreal. May 2000. IPCC-XVI/Doc. 10 (1.IV.2000).

Kaufman, et al. (2004a) "14th Annual BioCycle Nationwide Survey: The State of Garbage in America 2004" *Biocycle*, JG Press, Emmaus, PA. January, 2004.

Kaufman, et al. (2004b) "Corrections to State of Garbage 2004" Biocycle, JG Press, Emmaus, PA. April, 2004.

Miller, T. (1999) *Material Safety Data Sheet, Carbon Black*. Continental Carbon Company. September 1, 1999. Available online at http://www.continentalcarbon.com/downloads/MSDS.pdf. October 10, 2003.

RMA (2006) *U.S. Scrap Tire Markets in the United States 2005 Edition*. Rubber Manufacturers Association. Washington, DC. November 2006.

Schneider, S. (2007) E-mail communication Shelly Schneider, Franklin Associates to Sarah Shapiro, ICF International., A Division of ERG. January 10, 2007.

Simmons, et al. (2006) "15th Nationwide Survey of Municipal Solid Waste Management in the United States: The State of Garbage in America" *BioCycle*, JG Press, Emmaus, PA. April 2006.

STMC (2003, 2006) *Scrap Tire Facts and Figures*. Scrap Tire Management Council of the Rubber Manufacturers Association. Washington, DC. Available online at

http://www.rma.org/scrap_tires/scrap_tire_markets/facts_and_figures/ and

http://www.rma.org/scrap tires/scrap tire markets/scrap tire characteristics/>.

STMC (2001, 2002) *Scrap Tire Facts and Figures*. Scrap Tire Management Council of the Rubber Manufacturers Association, Washington, DC. Available online at http://www.rma.org/scraptires/facts_figures.html>.

STMC (2000) *Scrap Tire Facts and Figures*. Scrap Tire Management Council of the Rubber Manufacturers Association, Washington, DC. Available online at http://www.rma.org/scrapfctn.html. July 26, 2000.

Energy Sources of Indirect Greenhouse Gas Emissions

EPA (2008) *Air Emissions Trends – Continued Progress Through 2006*. U.S. Environmental Protection Agency, Washington, DC. December 19, 2006. Available online at http://www.epa.gov/air/airtrends/index.html.

EPA (2003) E-mail correspondence. Air pollutant data. Office of Air Pollution to the Office of Air Quality Planning and Standards, U.S. Environmental Protection Agency (EPA). December 22, 2003.

EPA (1997) *Compilation of Air Pollutant Emission Factors, AP-42*. Office of Air Quality Planning and Standards, U.S. Environmental Protection Agency. Research Triangle Park, NC. October 1997.

International Bunker Fuels

ASTM (1989) *Military Specification for Turbine Fuels, Aviation, Kerosene Types*, NATO F-34 (JP-8) and NATO F-35. February 10, 1989. Available online at http://test.wbdg.org/ccb/FEDMIL/t_83133d.pdf>.

BEA (1991 through 2007) Unpublished BE-36 survey data. Bureau of Economic Analysis (BEA), U.S. Department of Commerce. Washington, DC.

Chevron (2000) *Aviation Fuels Technical Review (FTR-3)*. Chevron Products Company, Chapter 2. Available online at http://www.chevron.com/products/prodserv/fuels/bulletin/aviationfuel/2_at_fuel_perf.shtm.

DESC (2007) Unpublished data from the Defense Fuels Automated Management System (DFAMS). Defense

Energy Support Center, Defense Logistics Agency, U.S. Department of Defense. Washington, DC.

DOC (1991 through 2007) Unpublished Report of Bunker Fuel Oil Laden on Vessels Cleared for Foreign Countries. Form-563. Foreign Trade Division, Bureau of the Census, U.S. Department of Commerce. Washington, DC.

DOT (1991 through 2007) *Fuel Cost and Consumption*. Airline Information, Bureau of Transportation Statistics, U.S. Department of Transportation. Washington, DC.

EIA (2007) Supplemental Tables on Petroleum Product detail. *Monthly Energy Review, December* 2007, Energy Information Administration, U.S. Department of Energy, Washington, DC. DOE/EIA-0035(2007/12).

IPCC (2006) 2006 IPCC Guidelines for National Greenhouse Gas Inventories. The National Greenhouse Gas Inventories Programme, The Intergovernmental Panel on Climate Change, H.S. Eggleston, L. Buendia, K. Miwa, T Ngara, and K. Tanabe (eds.). Hayama, Kanagawa, Japan.

IPCC/UNEP/OECD/IEA (1997) Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories. Intergovernmental Panel on Climate Change, United Nations Environment Programme, Organization for Economic Co-Operation and Development, International Energy Agency. Paris, France.

USAF (1998) Fuel Logistics Planning. U.S. Air Force pamphlet AFPAM23-221, May 1,1998.

Wood Biomass and Ethanol Consumption

EIA (2007) *Annual Energy Review 2006*. Energy Information Administration, U.S. Department of Energy. Washington, DC. DOE/EIA-0384(2006). June 2007.

IPCC/UNEP/OECD/IEA (1997) *Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories*. Intergovernmental Panel on Climate Change, United Nations Environment Programme, Organization for Economic Co-Operation and Development, International Energy Agency. Paris, France.

Lindstrom, P. (2006) Personal communication. Perry Lindstrom, Energy Information Administration and Jean Kim, ICF International.

Industrial Processes

Cement Manufacture

IPCC (2006) 2006 IPCC Guidelines for National Greenhouse Gas Inventories. The National Greenhouse Gas Inventories Programme, The Intergovernmental Panel on Climate Change, H.S. Eggleston, L. Buendia, K. Miwa, T. Ngara, and K. Tanabe (eds.). Hayama, Kanagawa, Japan.

USGS (1999 through 2006) Minerals Yearbook: Cement Annual Report. U.S. Geological Survey, Reston, VA.

USGS (1998) Mineral Industrial Survey: Cement 1997. U.S. Geological Survey, Reston, VA.

USGS (1997) Mineral Industrial Survey: Cement 1996. U.S. Geological Survey, Reston, VA.

USGS (1993 through 1996) Minerals Yearbook: Cement Annual Report. U.S. Geological Survey, Reston, VA.

van Oss (2007) Personal communication. Hendrik van Oss, Commodity Specialist of the U.S. Geological Survey and Tristan Kessler, ICF International. October 2, 2007.

van Oss (2008) Personal communication. Hendrik van Oss, Commodity Specialist of the U.S. Geological Survey

and Chris Steuer, ICF International. February 7, 2008.

Lime Manufacture

IPCC (2006) 2006 IPCC Guidelines for National Greenhouse Gas Inventories. The National Greenhouse Gas Inventories Programme, The Intergovernmental Panel on Climate Change, H.S. Eggleston, L. Buendia, K. Miwa, T. Ngara, and K. Tanabe (eds.). Hayama, Kanagawa, Japan.

IPCC (2000) *Good Practice Guidance and Uncertainty Management in National Greenhouse Gas Inventories*. , National Greenhouse Gas Inventories Programme, Intergovernmental Panel on Climate Change. Montreal. May 2000. IPCC-XVI/Doc. 10 (1.IV.2000).

Males, E. (2003) Memorandum from Eric Males, National Lime Association to Mr. William N. Irving & Mr. Leif Hockstad, Environmental Protection Agency. March 6, 2003.

USGS (1992 through 2007) Minerals Yearbook: Lime Annual Report. U.S. Geological Survey, Reston, VA.

Limestone and Dolomite Use

USGS (1995 through 2007a) *Minerals Yearbook: Crushed Stone Annual Report*. U.S. Geological Survey, Reston, VA.

USGS (1995 through 2007b) *Minerals Yearbook: Magnesium Annual Report*. U.S. Geological Survey, Reston, VA.

USGS (1993) Minerals Yearbook: Crushed Stone Annual Report 1991. U.S. Geological Survey, Reston, VA.

Soda Ash Manufacture and Consumption

IPCC (2006) 2006 IPCC Guidelines for National Greenhouse Gas Inventories. The National Greenhouse Gas Inventories Programme, The Intergovernmental Panel on Climate Change, H.S. Eggleston, L. Buendia, K. Miwa, T. Ngara, and K. Tanabe (eds.). Hayama, Kanagawa, Japan.

USGS (1994 through 2007) Minerals Yearbook: Soda Ash Annual Report. U.S. Geological Survey, Reston, VA.

Ammonia Manufacture and Urea Consumption

Bark (2004) *CoffeyvilleNitrogen Plant* Available online at http://www.gasification.org/Docs/2003_Papers/07BARK.pdf> December 15, 2004.

Coffeyville Resources Nitrogen Fertilizers, LLC (2005 through 2007) *Business Data*. Available online at http://www.coffeyvillegroup.com/businessSnapshot.asp

EEA (2004) *Natural Gas Issues for the U.S. Industrial and Power Generation Sectors*. Submitted to National Commission on Energy Policy.

EFMA (1995) Production of Ammonia. European Fertilizer Manufacturers Association. March 1, 1995.

EIA (2001) *Manufacturing Energy Consumption Survey (MECS) 1998.* U.S. Department of Energy, Energy Information Administration. Washington, DC. Available online at http://www.eia.doe.gov/emeu/mecs/mecs98/datatables/contents.html>.

EIA (1994) *Manufacturing Energy Consumption Survey (MECS) 1991*. U.S. Department of Energy, Energy Information Administration. Washington, DC. December 1994. DOE/EIA-0512(91).

IPCC/UNEP/OECD/IEA (1997) Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories. Intergovernmental Panel on Climate Change, United Nations Environment Programme, Organization for Economic Co-Operation and Development, International Energy Agency. Paris, France.

TFI (2002) *U.S. Nitrogen Imports/Exports Table*. The Fertilizer Institute. Available online at http://www.tfi.org/statistics/usnexim.asp. August 2002.

TIG (2002) *Chemical Profiles – Urea*. The Innovation Group. Available online at http://www.the-innovation-group.com/ChemProfiles/Urea.htm. September 2007.

U.S. Census Bureau (2007) *Current Industrial Reports Fertilizer Materials and Related Products: 2006 Summary*. Available online at < http://www.census.gov/industry/1/mq325b065.pdf>.

U.S. Census Bureau (2006) *Current Industrial Reports Fertilizer Materials and Related Products: 2005 Summary*. Available online at http://www.census.gov/cir/www/325/mq325b.html.

U.S. Census Bureau (2002, 2004, 2005) *Current Industrial Reports Fertilizer Materials and Related Products:* Fourth Quarter Report Summary. Available online at http://www.census.gov/cir/www/325/mq325b.html>.

U.S. Census Bureau (1998 through 2002b, 2003) *Current Industrial Reports Fertilizer Materials and Related Products: Annual Reports Summary*. Available online at http://www.census.gov/cir/www/325/mq325b.html>.

U.S. Census Bureau (2002a) *Current Industrial Reports Fertilizer Materials and Related Products: First Quarter* 2002. June 2002. Available online at http://www.census.gov/cir/www/325/mq325b.html.

U.S. Census Bureau (2002c) *Current Industrial Reports Fertilizer Materials and Related Products: Third Quarter 2001*. January 2002. Available online at http://www.census.gov/cir/www/325/mq325b.html>.

U.S. Census Bureau (2001a) *Current Industrial Reports Fertilizer Materials and Related Products: Second Quarter 2001*. September 2001. Available online at http://www.census.gov/cir/www/325/mq325b.html>.

U.S. Census Bureau (1991 through 1994) *Current Industrial Reports Fertilizer Materials Annual Report.* Report No. MQ28B. U.S. Census Bureau, Washington, DC.

U.S. ITC (2002) *United States International Trade Commission Interactive Tariff and Trade DataWeb*, *Version 2.5.0*. Available online at http://dataweb.usitc.gov/scripts/user_set.asp. August 2002.

Nitric Acid Production

US Census Bureau (2007) *Current Industrial Reports. Fertilizers and Related Chemicals: First Quarter 2007.* "Table 1: Summary of Production of Principal Fertilizers and Related Chemicals." June, 2007. MQ325B(07)-1. Available online at < http://www.census.gov/industry/1/mq325b071.pdf>.

IPCC (2006) 2006 IPCC Guidelines for National Greenhouse Gas Inventories. The National Greenhouse Gas Inventories Programme, The Intergovernmental Panel on Climate Change, H.S. Eggleston, L. Buendia, K. Miwa, T. Ngara, and K. Tanabe (eds.). Hayama, Kanagawa, Japan.

US Census Bureau (2006) *Current Industrial Reports*., "Table 995: Inorganic Chemicals and Fertilizers." August, 2006. Series MAQ325A Available online at http://www.census.gov/compendia/statab/tables/07s0995.xls>.

EPA (1997) *Compilation of Air Pollutant Emission Factors, AP-42*. Office of Air Quality Planning and Standards, U.S. Environmental Protection Agency. Research Triangle Park, NC. October 1997.

Choe, J.S., P.J. Cook, and F.P. Petrocelli (1993) "Developing N_2O Abatement Technology for the Nitric Acid

Industry." Prepared for presentation at the 1993 ANPSG Conference. Air Products and Chemicals, Inc., Allentown, PA.

Adipic Acid Production

ACC (2003) "Adipic Acid Production." Table 3.12—Production of the Top 100 Chemicals. American Chemistry Council *Guide to the Business of Chemistry*. August 2003.

C&EN (1995) "Production of Top 50 Chemicals Increased Substantially in 1994." *Chemical & Engineering News*, 73(15):17. April 10, 1995.

C&EN (1994) "Top 50 Chemicals Production Rose Modestly Last Year." *Chemical & Engineering News*, 72(15):13. April 11, 1994.

C&EN (1993) "Top 50 Chemicals Production Recovered Last Year." *Chemical & Engineering News*, 71(15):11. April 12, 1993.

C&EN (1992) "Production of Top 50 Chemicals Stagnates in 1991." Chemical & Engineering News, 70(15): 17. April 13, 1992.

Childs, D. (2003) Personal communication. Dave Childs, DuPont, USA and Duncan Rotherham, ICF International. August 7, 2003.

Childs, D. (2002) Personal communication. Dave Childs, DuPont, USA and Laxmi Palreddy, ICF, Consulting, August 8, 2002.

CMR (2001) "Chemical Profile: Adipic Acid." Chemical Market Reporter. July 16, 2001.

CMR (1998) "Chemical Profile: Adipic Acid." Chemical Market Reporter. June 15, 1998.

CW (2007) "Product Focus: Adipic Acid." Chemical Week. August 1-8, 2007.

CW (2005) "Product Focus: Adipic Acid." Chemical Week. May 4, 2005.

CW (1999) "Product Focus: Adipic Acid/Adiponitrile." Chemical Week, p. 31. March 10, 1999.

ICIS (2007) "Adipic Acid." ICIS Chemical Business Americas. July 9, 2007.

IPCC (2006) 2006 IPCC Guidelines for National Greenhouse Gas Inventories. The National Greenhouse Gas Inventories Programme, The Intergovernmental Panel on Climate Change, H.S. Eggleston, L. Buendia, K. Miwa, T. Ngara, and K. Tanabe (eds.). Hayama, Kanagawa, Japan.

Reimer, R. (1999) Personal communication. Ron Reimer, DuPont, USA and Heike Mainhardt, ICF International. May 19, 1999.

Thiemens, M.H., and W.C. Trogler (1991) "Nylon production; an unknown source of atmospheric nitrous oxide." *Science* 251:932-934.

Silicon Carbide Production

Corathers, L. (2007) Personal communication between Lisa Corathers, Commodity Specialist, U.S. Geological Survey and Michael Obeiter of ICF International. September 2007.

Corathers, L. (2006) Personal communication between Lisa Corathers, Commodity Specialist, U.S. Geological

Survey and Erin Fraser of ICF International. October 2006.

IPCC (2006) 2006 IPCC Guidelines for National Greenhouse Gas Inventories. The National Greenhouse Gas Inventories Programme, H.S. Eggleston, L. Buendia, K. Miwa, T. Ngara, and K. Tanabe, eds.; Institute for Global Environmental Strategies (IGES). Hayama, Kanagawa, Japan.

U.S. Census Bureau (2005 through 2007) *U.S International Trade Commission (USITC) Trade DataWeb*. Available online at http://dataweb.usitc.gov/>.

USGS (2006) Minerals Yearbook: Manufactured Abrasives Annual Report 2005. U.S. Geological Survey, Reston, VA.

USGS (1991a through 2005a) *Minerals Yearbook: Manufactured Abrasives Annual Report 2004.* U.S. Geological Survey, Reston, VA.

USGS (1991b through 2005b) Minerals Yearbook: Silicon Annual Report 2004. U.S. Geological Survey, Reston, VA.

Petrochemical Production

ACC (2002, 2003, 2005 through 2007) *Guide to the Business of Chemistry*. American Chemistry Council, Arlington, VA.

CMA (1999) U.S. Chemical Industry Statistical Handbook. Chemical Manufacturer's Association. Washington, DC.

EIA (2004) *Annual Energy Review 2003*. Energy Information Administration, U.S. Department of Energy. Washington, DC. DOE/EIA-0384(2003). September 2004.

EIA (2003) *Emissions of Greenhouse Gases in the United States 2002*. Office of Integrated Analysis and Forecasting, Energy Information Administration, U.S. Department of Energy. Washington, DC. DOE-EIA-0573(2002). February 2003.

European IPPC Bureau (2004) *Draft Reference Document on Best Available Techniques in the Large Volumen Inorganic Chemicals—Solid and Others Industry*, Table 4.21. European Commission, 224. August 2004.

IPCC/UNEP/OECD/IEA (1997) Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories. Intergovernmental Panel on Climate Change, United Nations Environment Programme, Organization for Economic Co-Operation and Development, International Energy Agency. Paris, France.

Johnson, G. L. (2007) Personal communication. Greg Johnson of Liskow & Lewis, on behalf of the International Carbon Black Association (ICBA) and Tristan Kessler, ICF International. November 2007.

Johnson, G. L. (2006) Personal communication. Greg Johnson of Liskow & Lewis, on behalf of the International Carbon Black Association (ICBA) and Erin Fraser, ICF International. October 2006.

Johnson, G. L. (2005) Personal communication. Greg Johnson of Liskow & Lewis, on behalf of the International Carbon Black Association (ICBA) and Erin Fraser, ICF International. October 2005.

Johnson, G. L. (2003) Personal communication. Greg Johnson of Liskow & Lewis, on behalf of the International Carbon Black Association (ICBA) and Caren Mintz, ICF International November 2003.

Othmer, K. (1992) Carbon (Carbon Black), Vol. 4, 1045.

Srivastava, Manoj, I.D. Singh, and Himmat Singh (1999) "Structural Characterization of Petroleum Based Feedstocks for Carbon Black Production," Table-1. *Petroleum Science and Technology* 17(1&2):67-80.

The Innovation Group (2004) *Carbon Black Plant Capacity*. Available online at http://www.the-innovation-group.com/ChemProfiles/Carbon%20Black.htm.

- U.S. Census Bureau (2008) *U.S International Trade Commission (USITC) Trade DataWeb*. Available online at http://dataweb.usitc.gov/. January 2008.
- U.S. Census Bureau (2006) *U.S International Trade Commission (USITC) Trade DataWeb*. Available online at http://dataweb.usitc.gov/. Fall 2006.
- U.S. Census Bureau (2004) 2002 Economic Census: Manufacturing—Industry Series: Carbon Black Manufacturing. Department of Commerce. Washington, DC. EC02-311-325182. September 2004.
- U.S. Census Bureau (1999) 1997 Economic Census: Manufacturing—Industry Series: Carbon Black Manufacturing. Department of Commerce. Washington, DC. EC97M-3251F. August 1999.

Titanium Dioxide Production

Gambogi, J. (2002) Telephone communication. Joseph Gambogi, Commodity Specialist, U.S. Geological Survey and Philip Groth, ICF International. November 2002.

Gambogi, J. (2007) Personal communication. Joseph Gambogi, Commodity Specialist, U.S. Geological Survey and Michael Obeiter, ICF International. October 2007.

IPCC (2006) 2006 IPCC Guidelines for National Greenhouse Gas Inventories. The National Greenhouse Gas Inventories Programme, The Intergovernmental Panel on Climate Change, H.S. Eggleston, L. Buendia, K. Miwa, T. Ngara, and K. Tanabe (eds.). Hayama, Kanagawa, Japan.

Onder, H, and E.A. Bagdoyan (1993) Everything You've Always Wanted to Know about Petroleum Coke. Allis Mineral Systems.

USGS (1991 through 2005) Mineral Yearbook: Titanium Annual Report. U.S. Geological Survey, Reston, VA.

Carbon Dioxide Consumption

Allis, R. et al. (2000) Natural CO₂ Reservoirs on the Colorado Plateau and Southern Rocky Mountains: Candidates for CO₂ Sequestration. Utah Geological Survey and Utah Energy and Geoscience Institute. Salt Lake City, Utah.

ARI (2007). *CO2-EOR: An Enabling Bridge for the Oil Transition*. Presented at "Modeling the Oil Transition—a DOE/EPA Workshop on the Economic and Environmental Implications of Global Energy Transitions." Washington, DC. April 20-21, 2007.

ARI (2006) CO2-EOR: An Enabling Bridge for the Oil Transition. Presented at "Modeling the Oil Transition—a DOE/EPA Workshop on the Economic and Environmental Implications of Global Energy Transitions." Washington, DC. April 20-21, 2006.

Denbury Resources Inc. (2002 through 2007) Annual Report, 2004, 6.

Phosphoric Acid Production

EFMA (2000) "Production of Phosphoric Acid." Best Available Techniques for Pollution Prevention and Control

in the European Fertilizer Industry. Booklet 4 of 8. European Fertilizer Manufacturers Association. Available online at http://www.efma.org/Publications/BAT%202000/Bat04/section04.asp>.

FIPR (2003) "Analyses of Some Phosphate Rocks." Facsimile Gary Albarelli, the Florida Institute of Phosphate Research, Bartow, Florida, to Robert Lanza, ICF International. July 29, 2003.

FIPR (2003a) Florida Institute of Phosphate Research. Personal communication. Mr. Michael Lloyd, Laboratory Manager, FIPR, Bartow, Florida, to Mr. Robert Lanza, ICF International. August 2003.

USGS (1994 through 2002, 2004 through 2006) *Minerals Yearbook. Phosphate Rock Annual Report.* U.S. Geological Survey, Reston, VA.

Iron and Steel Production

AISI (1995 through 2007) Annual Statistical Report, American Iron and Steel Institute, Washington, DC.

DOE (1997) *Energy and Environmental Profile of the U.S. Aluminum Industry*. Office of Industrial Technologies, U.S. Department of Energy. July 1997.

EIA (2007) *Quarterly Coal Report: January-March* 2007, Energy Information Administration, U.S. Department of Energy. Washington, DC. DOE/EIA-0121.

EIA (2006a) *Quarterly Coal Report: January-March* 2006, Energy Information Administration, U.S. Department of Energy. Washington, DC. DOE/EIA-0121.

EIA (2006b) *Emissions of Greenhouse Gases in the United States 2005*. Energy Information Administration, U.S. Department of Energy. Washington, DC. DOE/EIA-0573 (2005).

EIA (1998 through 2004a) *Quarterly Coal Report: October-December*, Energy Information Administration, U.S. Department of Energy. Washington, DC. DOE/EIA-0121.

EIA (2004b) *Emissions of Greenhouse Gases in the United States 2003*. Energy Information Administration, U.S. Department of Energy, Washington, DC. DOE/EIA-0573.

IPCC (2006) 2006 IPCC Guidelines for National Greenhouse Gas Inventories. The National Greenhouse Gas Inventories Programme, The Intergovernmental Panel on Climate Change, H.S. Eggleston, L. Buendia, K. Miwa, T Ngara, and K. Tanabe (eds.). Hayama, Kanagawa, Japan.

IPCC (2000) *Good Practice Guidance and Uncertainty Management in National Greenhouse Gas Inventories.*, National Greenhouse Gas Inventories Programme, Intergovernmental Panel on Climate Change. Montreal. May 2000. IPCC-XVI/Doc. 10 (1.IV.2000).

IPCC/UNEP/OECD/IEA (1997) Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories. Intergovernmental Panel on Climate Change, United Nations Environment Programme, Organization for Economic Co-Operation and Development, International Energy Agency. Paris, France.

IPCC/UNEP/OECD/IEA (1995) "Volume 3: Greenhouse Gas Inventory Reference Manual. Table 2-2".*IPCC Guidelines for National Greenhouse Gas Inventories*. Intergovernmental Panel on Climate Change, United Nations Environment Programme, Organization for Economic Co-Operation and Development, International Energy Agency. IPCC WG1 Technical Support Unit, United Kingdom.

Jorgenson J. (2007) Personal communication. John Jorgenson, Commodity Specialist, U.S. Geological Survey and Tristan Kessler, ICF International. October.

USAA (2004 through 2006) *Primary Aluminum Statistics*. U.S. Aluminum Association, Washington, DC. January 2006.

U.S. Census Bureau (2007) U.S International Trade Commission (USITC) Trade Dataweb. Available online at http://dataweb.usitc.gov/. Accessed Fall 2007.

USGS (2005a) Mineral Commodity Profiles—Iron and Steel. Open-File Report 2005-1254. U.S. Geological Survey, Reston, VA.

USGS (1994 through 2004, 2005b) Minerals Yearbook: Iron Ore Report. U.S. Geological Survey, Reston, VA.

Ferroalloy Production

Corathers, L. (2007) Personal communication between Lisa Corathers, Commodity Specialist, U.S. Geological Survey and Tristan Kessler of ICF International. November 6, 2007.

IPCC (2006) 2006 IPCC Guidelines for National Greenhouse Gas Inventories. The National Greenhouse Gas Inventories Programme, The Intergovernmental Panel on Climate Change, H.S. Eggleston, L. Buendia, K. Miwa, T. Ngara, and K. Tanabe (eds.). Hayama, Kanagawa, Japan.

Onder, H., and E.A. Bagdoyan (1993) *Everything You've Always Wanted to Know about Petroleum Coke*. Allis Mineral Systems.

USGS (1991 through 2006) Minerals Yearbook: Silicon Annual Report. U.S. Geological Survey, Reston, VA

Aluminum Production

Kantamaneni R. and D. Pape (2001) "2000 Aluminum Inventory—Uncertainty Analysis," EPA Contract No. 68-W6-0029, Task Order 408. Memorandum to EPA from ICF International. October, 18, 2001.

Gariepy, B. and G. Dube (1992) "Treating Aluminum with Chlorine." U.S. Patent 5,145,514. Issued September 8, 1992.

IAI (2003) Aluminum Sector Greenhouse Gas Protocol: Greenhouse Gas Emissions Monitoring and Reporting by the Aluminum Industry, International Aluminum Institute, May 2003. Available at http://www.world-aluminium.org/environment/climate/ghg_protocol.pdf>.

IPCC (2006) 2006 IPCC Guidelines for National Greenhouse Gas Inventories. The National Greenhouse Gas Inventories Programme, The Intergovernmental Panel on Climate Change, H.S. Eggleston, L. Buendia, K. Miwa, T. Ngara, and K. Tanabe (eds.). Hayama, Kanagawa, Japan.

IPCC (2000) *Good Practice Guidance and Uncertainty Management in National Greenhouse Gas Inventories*. , National Greenhouse Gas Inventories Programme, Intergovernmental Panel on Climate Change. Montreal. May 2000. IPCC-XVI/Doc. 10 (1.IV.2000).

Ko, M.K.W., N.D. Sze, W.-C. Wang, G. Shia, A. Goldman, F.J. Murcray, D.G. Murcray, and C.P. Rinsland (1993) "Atmospheric Sulfur Hexafluoride: Sources, Sinks, and Greenhouse Warming." *Journal of Geophysical Research*, 98:10499-10507.

MacNeal, J., T. Rack, and R. Corns (1990) "Process for Degassing Aluminum Melts with Sulfur Hexafluoride." U.S. Patent 4,959,101. Issued September 25, 1990.

Ten Eyck, N. and M. Lukens (1996) "Process for Treating Molten Aluminum with Chlorine Gas and Sulfur Hexafluoride to Remove Impurities." U.S. Patent 5,536,296. Issued July 16, 1996.

USAA (2004 through 2006) Primary Aluminum Statistics. U.S. Aluminum Association, Washington, DC.

USGS (2007) Email Communication with Lee Bray on September 19, 2007. U.S. Geological Survey, Reston, VA.

USGS (2006) Mineral Commodity Summaries. U.S. Geological Survey, Reston, VA.

USGS (1995, 1998, 2000 through 2002) Minerals Yearbook: Aluminum Annual Report. U.S. Geological Survey, Reston, VA.

Victor, D.G. and G.J. MacDonald (1998) "A Model for Estimating Future Emissions of Sulfur Hexafluoride and Perfluorcarbons." Interim Report for the International Institute for Applied Systems Analysis (IIASA). July, 1998. Available online at http://www.iiasa.ac.at/. May 23, 2000.

Zurecki, Z. (1996) "Effect of Atmosphere Composition on Homogenizing Al-Mg and Al-Li Alloys." *Gas Interactions in Nonferrous Metals Processing—Proceedings of the 1996 125th The Minerals, Metals & Materials Society (TMS) Annual Meeting*, Anaheim, CA, 77-93.

Magnesium Production and Processing

Bartos S., C. Laush, J. Scharfenberg, and R. Kantamaneni (2007) "Reducing greenhouse gas emissions from magnesium die casting," *Journal of Cleaner Production*, 15: 979-987, March.

Gjestland, H. and D. Magers (1996) "Practical Usage of Sulphur [Sulfur] Hexafluoride for Melt Protection in the Magnesium Die Casting Industry," #13, 1996 Annual Conference Proceedings, International Magnesium Association. Ube City, Japan.

IPCC (2006) 2006 IPCC Guidelines for National Greenhouse Gas Inventories. The National Greenhouse Gas Inventories Programme, The Intergovernmental Panel on Climate Change, H.S. Eggleston, L. Buendia, K. Miwa, T. Ngara, and K. Tanabe (eds.). Hayama, Kanagawa, Japan.

NADCA (2007) Twarog, Daniel L. *State of the IndustryReport*. Die Casting Industry Links, North American Die Casting Association, February.

RAND (2002) RAND Environmental Science and Policy Center, "Production and Distribution of SF_6 by End-Use Applications" Katie D. Smythe. *International Conference on SF_6 and the Environment: Emission Reduction Strategies*. San Diego, CA. November 21-22, 2002.

USGS (2007a) *Mineral Industry Surveys: Magnesium in the Second Quarter*. U.S. Geological Survey, Reston, VA. Available online at http://minerals.usgs.gov/minerals/pubs/commodity/magnesium/mis-2007q2-mgmet.pdf>.

USGS (2002, 2003, 2005 through 2007b) *Minerals Yearbook: Magnesium Annual Report.* U.S. Geological Survey, Reston, VA. Available online at http://minerals.usgs.gov/minerals/pubs/commodity/magnesium/index.html#mis>.

Zinc Production

Queneau P.B., S.E. James, J.P. Downey, and G.M. Livelli (1998) *Recycling Lead and Zinc in the United States*. Zinc and Lead Processing. The Metallurgical Society of CIM.

Recycling Today (2005) *Horsehead Sales Complete*. Available at http://www.recyclingtoday.com/news/news.asp?ID=5137&SubCatID=74&CatID=23. January 5, 2005.

Sjardin (2003) CO₂ Emission Factors for Non-Energy Use in the Non-Ferrous Metal, Ferroalloys and Inorganics Industry. Copernicus Institute. Utrecht, the Netherlands.

Stuart (2005) Personal communication. Eric Stuart, Steel Manufacturers Association and Christopher Steuer, ICF International. October 31, 2005.

USGS (1994 through 2008) Minerals Yearbook: Zinc Annual Report. U.S. Geological Survey, Reston, VA.

Viklund-White C. (2000) "The Use of LCA for the Environmental Evaluation of the Recycling of Galvanized Steel." ISIJ International. Volume 40 No. 3: 292-299.

Lead Production

Dutrizac, J.E., V. Ramachandran, and J.A. Gonzalez (2000) *Lead-Zinc 2000*. The Minerals, Metals, and Materials Society.

IPCC (2006) 2006 IPCC Guidelines for National Greenhouse Gas Inventories. The National Greenhouse Gas Inventories Programme, The Intergovernmental Panel on Climate Change, H.S. Eggleston, L. Buendia, K. Miwa, T Ngara, and K. Tanabe (eds.). Hayama, Kanagawa, Japan.

Morris, D., F.R. Steward, and P. Evans (1983) Energy Efficiency of a Lead Smelter. Energy 8(5):337-349.

Sjardin, M. (2003) CO₂ Emission Factors for Non-Energy Use in the Non-Ferrous Metal, Ferroalloys and Inorganics Industry. Copernicus Institute. Utrecht, the Netherlands.

Smith, G. (2007) Personal communication. Gerald Smith, Commodity Specialist, USGS and Toby Krasney, ICF International. October 7, 2007.

Ullman's Encyclopedia of Industrial Chemistry: Fifth Edition (1997) Volume A5. John Wiley and Sons.

USGS (1994 through 2006) Minerals Yearbook: Lead Annual Report. U.S. Geological Survey, Reston, VA.

HCFC-22 Production

ARAP (2007) Electronic mail communication from Dave Stirpe, Executive Director, Alliance for Responsible Atmospheric Policy to Deborah Ottinger of the U.S. Environmental Protection Agency. October 2, 2007.

ARAP (2006) Electronic mail communication from Dave Stirpe, Executive Director, Alliance for Responsible Atmospheric Policy to Sally Rand of the U.S. Environmental Protection Agency. July 11, 2006.

ARAP (2005) Electronic mail communication from Dave Stirpe, Executive Director, Alliance for Responsible Atmospheric Policy to Deborah Ottinger of the U.S. Environmental Protection Agency. August 9, 2005.

ARAP (2004) Electronic mail communication from Dave Stirpe, Executive Director, Alliance for Responsible Atmospheric Policy to Deborah Ottinger of the U.S. Environmental Protection Agency. June 3, 2004.

ARAP (2003) Electronic mail communication from Dave Stirpe, Executive Director, Alliance for Responsible Atmospheric Policy to Sally Rand of the U.S. Environmental Protection Agency. August 18, 2003.

ARAP (2002) Electronic mail communication from Dave Stirpe, Executive Director, Alliance for Responsible Atmospheric Policy to Deborah Ottinger of the U.S. Environmental Protection Agency. August 7, 2002.

ARAP (2001) Electronic mail communication from Dave Stirpe, Executive Director, Alliance for Responsible Atmospheric Policy to Deborah Ottinger of the U.S. Environmental Protection Agency. August 6, 2001.

ARAP (2000) Electronic mail communication from Dave Stirpe, Executive Director, Alliance for Responsible Atmospheric Policy to Sally Rand of the U.S. Environmental Protection Agency. August 13, 2000.

ARAP (1999) Facsimile from Dave Stirpe, Executive Director, Alliance for Responsible Atmospheric Policy to Deborah Ottinger Schaefer of the U.S. Environmental Protection Agency. September 23, 1999.

ARAP (1997) Letter from Dave Stirpe, Director, Alliance for Responsible Atmospheric Policy to Elizabeth Dutrow of the U.S. Environmental Protection Agency. December 23, 1997.

Rand, S., M. Branscome, and D. Ottinger (1999) "Opportunities for the Reduction of HFC-23 Emissions from the Production of HCFC-22." In: Proceedings from the Joint IPCC/TEAP Expert Meeting On Options for the Limitation of Emissions of HFCs and PFCs. Petten, the Netherlands, 26-28 May 1999.

RTI (1997) "Verification of Emission Estimates of HFC-23 from the Production of HCFC-22: Emissions from 1990 through 1996." Report prepared by Research Triangle Institute for the Cadmus Group. November 25, 1997; revised February 16, 1998.

RTI (2008) "Verification of Emission Estimates of HFC-23 from the Production of HCFC-22:Emissions from 1990 through 2006." Report prepared by RTI International for the Climate Change Division. March, 2008.

Substances Substances

IPCC/UNEP/OECD/IEA (1997) Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories. Intergovernmental Panel on Climate Change, United Nations Environment Programme, Organization for Economic Co-Operation and Development, International Energy Agency. Paris, France.

Semiconductor Manufacture

Burton, C.S., and R, Beizaie (2001) "EPA's PFC Emissions Model (PEVM) v. 2.14: Description and Documentation" prepared for Office of Global Programs, U. S. Environmental Protection Agency, Washington, DC. 20001 November 2001.

Burton, C.S., and N. Kshetry (2007) "PFC Reduction/Climate Partnership for the Semiconductor Industry: Trends in Emissions and Documentation," Draft Report, prepared for Office of Atmospheric Programs, U. S. Environmental Protection Agency, Washington, DC. 20001. July 2007.

Citigroup Smith Barney (2005) Global Supply/Demand Model for Semiconductors. March 2005.

International Sematech (2006) "Guideline for Characterization of Semiconductor Process Equipment," International Sematech, Technology Transfer # 06124825A-ENG, December 22, 2006. Note that this is an update to previous guideline, TT from International Sematech # 01104197A-XFR, December 2001.

ITRS (2007) International Technology Roadmap for Semiconductors: 2006 Update. January 2007. This and earlier editions and updates are available at http://public.itrs.net.> Information about the number of interconnect layers for years 1990 – 2010 is contained in Burton and Beizaie, 2001. PEVM is updated using new editions and updates of the ITRS, which are published annually.

IPCC (2000) Good Practice Guidance and Uncertainty Management in National Greenhouse Gas Inventories. Intergovernmental Panel on Climate Change, National Greenhouse Gas Inventories Programme, Montreal, IPCC-XVI/Doc. 10 (1.IV.2000). May 2000.

IPCC (2006) 2006 IPCC Guidelines for National Greenhouse Gas Inventories. The National Greenhouse Gas Inventories Programme, H.S. Eggleston, L. Buendia, K. Miwa, T. Ngara, and K. Tanabe, eds.; Institute for Global Environmental Strategies (IGES). Hayama, Kanagawa, Japan.

Semiconductor Equipment and Materials Industry (2007) World Fab Watch, January 2006 Edition.

VLSI Research, Inc. (2007) Document 327028, V6.12.1—Worldwide Silicon Demand by Wafer Size, by Linewidth and by Device Type. January 2007. Available online at http://www.vlsiresearch.com.

Electrical Transmission and Distribution

IPCC (2006) 2006 IPCC Guidelines for National Greenhouse Gas Inventories. The National Greenhouse Gas Inventories Programme, The Intergovernmental Panel on Climate Change, H.S. Eggleston, L. Buendia, K. Miwa, T. Ngara, and K. Tanabe (eds.). Hayama, Kanagawa, Japan.

O'Connell, P., F. Heil, J. Henriot, G. Mauthe, H. Morrison, L. Neimeyer, M. Pittroff, R. Probst, J.P. Tailebois (2002) *SF*₆ in the Electric Industry, Status 2000, Cigre. February 2002.

RAND (2004) RAND Environmental Science and Policy Center, "Trends in SF₆ Sales and End-Use Applications: 1961-2003," Katie D. Smythe. *International Conference on SF₆ and the Environment: Emission Reduction Strategies*. Scottsdale, AZ. December 1-3, 2004.

UDI (2007) 2007 UDI Directory of Electric Power Producers and Distributors, 115th Edition, Platts.

UDI (2004) 2004 UDI Directory of Electric Power Producers and Distributors, 112th Edition, Platts.

UDI (2001) 2001 UDI Directory of Electric Power Producers and Distributors, 109th Edition, Platts.

Industrial Sources of Indirect Greenhouse Gases

EPA (2008) *Air Emissions Trends – Continued Progress Through 2006*. U.S. Environmental Protection Agency, Washington, DC. December 19, 2006. Available online at http://www.epa.gov/air/airtrends/index.html.

EPA (2003) E-mail correspondence containing preliminary ambient air pollutant data. Office of Air Pollution and the Office of Air Quality Planning and Standards, U.S. Environmental Protection Agency. December 22, 2003.

EPA (1997) *Compilation of Air Pollutant Emission Factors, AP-42*. Office of Air Quality Planning and Standards, U.S. Environmental Protection Agency. Research Triangle Park, NC. October 1997.

Solvent and Other Product Use

Nitrous Oxide from Product Uses

IPCC (2006) 2006 IPCC Guidelines for National Greenhouse Gas Inventories. The National Greenhouse Gas Inventories Programme, The Intergovernmental Panel on Climate Change, H.S. Eggleston, L. Buendia, K. Miwa, T Ngara, and K. Tanabe (eds.). Hayama, Kanagawa, Japan.

CGA (2003) "CGA Nitrous Oxide Abuse Hotline: CGA/NWSA Nitrous Oxide Fact Sheet." Compressed Gas Association. November 3, 2003.

CGA (2002) "CGA/NWSA Nitrous Oxide Fact Sheet." Compressed Gas Association. March 25, 2002.

Heydorn, B. (1997) "Nitrous Oxide—North America." Chemical Economics Handbook, SRI Consulting. May 1997.

Tupman, M. (2003) Personal communication .Martin Tupman, Airgas Nitrous Oxide and Daniel Lieberman, ICF International. August 8, 2003.

Tupman, M. (2002) Personal communication. Martin Tupman of Airgas Nitrous Oxide and Laxmi Palreddy, ICF International. July 3, 2002.

Solvent Use

EPA (2008) Air Emissions Trends – Continued Progress Through 2006. U.S. Environmental Protection Agency, Washington, DC. December 19, 2006. Available online at http://www.epa.gov/air/airtrends/index.html.

EPA (2003) E-mail correspondence containing preliminary ambient air pollutant data. Office of Air Pollution and the Office of Air Quality Planning and Standards, U.S. Environmental Protection Agency. December 22, 2003.

EPA (1997) *Compilation of Air Pollutant Emission Factors*, *AP-42*. Office of Air Quality Planning and Standards, U.S. Environmental Protection Agency. Research Triangle Park, NC. October 1997.

Agriculture

Enteric Fermentation

Baldwin R.L. (1995) Modeling Ruminant Digestion and Metabolism. Chapman & Hall, London, UK.

Crutzen, P.J., I. Aselmann, and W. Seiler (1986) "Methane Production by Domestic Animals, Wild Ruminants, Other Herbivores, Fauna, and Humans." *Tellus*, 38B:271-284.

Donovan, K. (1999) Personal Communication. Kacey Donovan, University of California at Davis and staff at ICF International.

Donovan, K. and L. Baldwin (1999) "Results of the AAMOLLY model runs for the Enteric Fermentation Model." University of California, Davis.

Ellis J.L., Kebreab E., Odongo N.E., McBride B.W., Okine E.K. and France J. 2007. "Prediction of methane production from dairy and beef cattle." *J. Dairy Sci.* 90:3456-3467.

EPA (2000) *Draft Enteric Fermentation Model Documentation*. Office of Air and Radiation, U.S. Environmental Protection Agency. Washington, DC. June 13, 2000.

EPA (1993) Anthropogenic Methane Emissions in the United States: Estimates for 1990. Report to Congress, Office of Air and Radiation, U.S. Environmental Protection Agency. Washington, DC.

FAO (2007) *FAOSTAT Statistical Database*. Food and Agriculture Organization of the United Nations. Available online at http://apps.fao.org>.

Feedstuffs (1998) "Nutrient requirements for pregnant replacement heifers." Feedstuffs, Reference Issue, p. 50.

ICF (2006) *Cattle Enteric Fermentation Model: Model Documentation*. Prepared by ICF International for the Environmental Protection Agency. June 2006.

ICF (2003) Uncertainty Analysis of 2001 Inventory Estimates of Methane Emissions from Livestock Enteric Fermentation in the U.S. Memorandum from ICF International to the Environmental Protection Agency. May 2003.

IPCC (2006) 2006 IPCC Guidelines for National Greenhouse Gas Inventories. The National Greenhouse Gas Inventories Programme, The Intergovernmental Panel on Climate Change, H.S. Eggleston, L. Buendia, K. Miwa, T. Ngara, and K. Tanabe (eds.). Hayama, Kanagawa, Japan.

IPCC (2000) *Good Practice Guidance and Uncertainty Management in National Greenhouse Gas Inventories.*, National Greenhouse Gas Inventories Programme, Intergovernmental Panel on Climate Change. Montreal. May 2000. IPCC-XVI/Doc. 10 (1.IV.2000).

IPCC/UNEP/OECD/IEA (1997) Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories. Intergovernmental Panel on Climate Change, United Nations Environment Programme, Organization for Economic Co-Operation and Development, International Energy Agency. Paris, France.

Kebreab E., Mills J.A.N., Crompton L.A., Bannink A., Dijkstra J., Gerrits W.J.J. and France J. 2004. "An integrated mathematical model to evaluate nutrient partition in dairy cattle between animal and environment." *Anim. Feed Sci. Technol.* 112:131-154.

Johnson, D. (2002) Personal Communication. Don Johnson, Colorado State University, Fort Collins, and ICF International.

Johnson, D. (2000) *Enteric Fermentation Model Progress and Changes*. Comments prepared by Don Johnson of Colorado State University, Fort Collins, for ICF International.

Johnson, D. (1999) Personal Communication. Don Johnson, Colorado State University, Fort Collins, and David Conneely, ICF International.

Lange, J. (2000) Personal Communication. Lee-Ann Tracy, ERG and John Lange, Agricultural Statistician, U. S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. May 8, 2000.

Mills J.A.N., Dijkstra J., Bannink A., Cammell S.B., Kebreab E. and France J., 2001. "A mechanistic model of whole-tract digestion and methanogenesis in the lactating dairy cow: model development, evaluation, and application." *J. Anim. Sci.* 79: 1584-1597.

Molly. 2007. Version 3.0 available from http://animalscience.ucdavis.edu/research/molly/>.

NRC (2000) Nutrient Requirements of Beef Cattle: Seventh Revised Edition: Update 2000. Table 11-1, Appendix Table 1. National Research Council.

NRC (1999) 1996 Beef NRC: Appendix Table 22. National Research Council.

USDA (2007) *Quick Stats: Agricultural Statistics Database*. National Agriculture Statistics Service, U.S. Department of Agriculture. Washington, DC. Available online at http://www.nass.usda.gov/QuickStats/. July 20, 2007.

USDA (1996) Beef Cow/Calf Health and Productivity Audit (CHAPA): Forage Analyses from Cow/Calf Herds in 18 States. National Agriculture Statistics Service, U.S. Department of Agriculture. Washington, DC. March 1996. Available online at http://www.aphis.usda.gov/vs/ceah/cahm>.

USDA:APHIS:VS (2002) *Reference of 2002 Dairy Management Practices*. National Animal Health Monitoring System. Fort Collins, CO. Available online at http://www.aphis.usda.gov/vs/ceah/cahm.

USDA:APHIS:VS (1998) *Beef '97*. National Animal Health Monitoring System. Fort Collins, CO. Available online at http://www.aphis.usda.gov/vs/ceah/cahm>.

USDA:APHIS:VS (1996) *Reference of 1996 Dairy Management Practices*. National Animal Health Monitoring System. Fort Collins, CO. Available online at http://www.aphis.usda.gov/vs/ceah/cahm.

USDA:APHIS:VS (1994) *Beef Cow/Calf Health and Productivity Audit.* National Animal Health Monitoring System. Fort Collins, CO. Available online at http://www.aphis.usda.gov/vs/ceah/cahm.

USDA:APHIS:VS (1993) *Beef Cow/Calf Health and Productivity Audit.* National Animal Health Monitoring System. Fort Collins, CO. August 1993. Available online at http://www.aphis.usda.gov/vs/ceah/cahm.

Western Dairyman (1998) "How Big Should Heifers Be at Calving?" *The Western Dairyman*, p. 12. September 1998.

Manure Management

Anderson, S. (2000) Personal Communication. Lee-Ann Tracy, ERG and Steve Anderson, Agricultural Statistician, National Agriculture Statistics Service, U.S. Department of Agriculture, Washington, DC. May 31, 2000.

ASAE (1999) ASAE Standards 1999, 46th Edition. American Society of Agricultural Engineers. St. Joseph, MI.

Bryant, M.P., V.H. Varel, R.A. Frobish, and H.R. Isaacson (1976) In H.G. Schlegel (ed.); *Seminar on Microbial Energy Conversion*. E. Goltz KG. Göttingen, Germany.

Deal, P. (2000) Personal Communication. Lee-Ann Tracy, ERG and Peter B. Deal, Rangeland Management Specialist, Florida Natural Resource Conservation Service. June 21, 2000.

EPA (2006) *AgSTAR Digest*. Office of Air and Radiation, U.S. Environmental Protection Agency. Washington, DC. Winter 2006. Available online at http://www.epa.gov/agstar/pdf/2005digest.pdf> July 2006.

EPA (2005) *National Emission Inventory—Ammonia Emissions from Animal Agricultural Operations, Revised Draft Report*. U.S. Environmental Protection Agency. Washington, DC. April 22, 2005. Available online at ftp://ftp.epa.gov/EmisInventory/2002finalnei/documentation/nonpoint/nh3inventory_draft_042205.pdf> August 2007.

EPA (2003a) *Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990-2001*. EPA 430-R-03-004. U.S. Environmental Protection Agency. Washington, DC. April 15, 2003.

EPA (2003b) *AgSTAR Digest*. Office of Air and Radiation, U.S. Environmental Protection Agency. Washington, DC. Winter 2003. http://www.epa.gov/agstar/pdf/2002digest.pdf> July 2006.

EPA (2002a) Development Document for the Final Revisions to the National Pollutant Discharge Elimination System (NPDES) Regulation and the Effluent Guidelines for Concentrated Animal Feeding Operations (CAFOS). U.S. Environmental Protection Agency. EPA-821-R-03-001. December 2002.

EPA (2002b) Cost Methodology for the Final Revisions to the National Pollutant Discharge Elimination System Regulation and the Effluent Guidelines for Concentrated Animal Feeding Operations. U.S. Environmental Protection Agency. EPA-821-R-03-004. December 2002.

EPA (2000) AgSTAR Digest. Office of Air and Radiation, U.S. Environmental Protection Agency. Washington, DC.

EPA (1992) *Global Methane Emissions from Livestock and Poultry Manure*, Office of Air and Radiation, U.S. Environmental Protection Agency. February 1992.

ERG (2003) "Methodology for Estimating Uncertainty for Manure Management Greenhouse Gas Inventory." Contract No. GS-10F-0036, Task Order 005. Memorandum to EPA from ERG, Lexington, MA. September 26, 2003.

ERG (2001) Summary of development of MDP Factor for methane conversion factor calculations. ERG, Lexington, MA. September 2001.

ERG (2000a) Calculations: Percent Distribution of Manure for Waste Management Systems. ERG, Lexington, MA. August 2000.

ERG (2000b) Discussion of Methodology for Estimating Animal Waste Characteristics (Summary of Bo Literature

Review). ERG, Lexington, MA. June 2000.

FAO (2007) Yearly U.S. total horse population data from the Food and Agriculture Organization of the United Nations database. Available online at http://faostat.fao.org. June 2007.

Garrett, W.N. and D.E. Johnson (1983) "Nutritional energetics of ruminants." *Journal of Animal Science*, 57(suppl.2):478-497.

Groffman, P.M., R. Brumme, K. Butterbach-Bahl, K.E. Dobbie, A.R. Mosier, D. Ojima, H. Papen, W.J. Parton, K.A. Smith, and C. Wagner-Riddle (2000) "Evaluating annual nitrous oxide fluxes at the ecosystem scale." *Global Biogeochemcial Cycles*, 14(4):1061-1070.

Hashimoto, A.G. (1984) "Methane from Swine Manure: Effect of Temperature and Influent Substrate Composition on Kinetic Parameter (k)." *Agricultural Wastes*, 9:299-308.

Hashimoto, A.G., V.H. Varel, and Y.R. Chen (1981) "Ultimate Methane Yield from Beef Cattle Manure; Effect of Temperature, Ration Constituents, Antibiotics and Manure Age." *Agricultural Wastes*, 3:241-256.

Hill, D.T. (1984) "Methane Productivity of the Major Animal Types." Transactions of the ASAE, 27(2):530-540.

Hill, D.T. (1982) "Design of Digestion Systems for Maximum Methane Production." *Transactions of the ASAE*, 25(1):226-230.

IPCC (2006) 2006 IPCC Guidelines for National Greenhouse Gas Inventories. The National Greenhouse Gas Inventories Programme, The Intergovernmental Panel on Climate Change, H.S. Eggleston, L. Buendia, K. Miwa, T Ngara, and K. Tanabe (eds.). Hayama, Kanagawa, Japan.

Johnson, D. (2000) Personal Communication. Lee-Ann Tracy, ERG and Dan Johnson, State Water Management Engineer, California Natural Resource Conservation Service. June 23, 2000.

Lange, J. (2000) Personal Communication. Lee-Ann Tracy, ERG and John Lange, Agricultural Statistician, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. May 8, 2000.

Miller, P. (2000) Personal Communication. Lee-Ann Tracy, ERG and Paul Miller, Iowa Natural Resource Conservation Service. June 12, 2000.

Milton, B. (2000) Personal Communication. Lee-Ann Tracy, ERG and Bob Milton, Chief of Livestock Branch, U.S. Department of Agriculture, National Agriculture Statistics Service. May 1, 2000.

Morris, G.R. (1976) *Anaerobic Fermentation of Animal Wastes: A Kinetic and Empirical Design Fermentation.* M.S. Thesis. Cornell University.

NOAA (2007) *National Climate Data Center (NCDC)*. Available online at <ftp://ftp.ncdc.noaa.gov/pub/data/cirs/> (for all states except Alaska and Hawaii) and <ftp://ftp.ncdc.noaa.gov/pub/data/gsod/2006/> (for Alaska and Hawaii). June 2007.

Pederson, L., D. Pape and K. Moffroid (2007) 1990-2006 Volatile Solids and Nitrogen Excretion Rates, EPA Contract GS-10F-0124J, Task Order 056-01. Memorandum to EPA from ICF International. August 2007.

Poe, G., N. Bills, B. Bellows, P. Crosscombe, R. Koelsch, M. Kreher, and P. Wright (1999) *Staff Paper Documenting the Status of Dairy Manure Management in New York: Current Practices and Willingness to Participate in Voluntary Programs*. Department of Agricultural, Resource, and Managerial Economics; Cornell University, Ithaca, New York, September.

Safley, L.M., Jr. and P.W. Westerman (1990) "Psychrophilic anaerobic digestion of animal manure: proposed design methodology." *Biological Wastes*, 34:133-148.

Safley, L.M., Jr. (2000) Personal Communication. Deb Bartram, ERG and L.M. Safley, President, Agri-Waste Technology. June and October 2000.

Stettler, D. (2000) Personal Communication. Lee-Ann Tracy, ERG and Don Stettler, Environmental Engineer, National Climate Center, Oregon Natural Resource Conservation Service. June 27, 2000.

Sweeten, J. (2000) Personal Communication. Indra Mitra, ERG and John Sweeten, Texas A&M University. June 2000.

UEP (1999) *Voluntary Survey Results—Estimated Percentage Participation/Activity*, Caged Layer Environmental Management Practices, Industry data submissions for EPA profile development, United Egg Producers and National Chicken Council. Received from John Thorne, Capitolink. June 2000.

USDA (2007a) *Published Estimates Database*. National Agriculture Statistics Service, U.S. Department of Agriculture. Washington, DC. Available online at http://www.nass.usda.gov/Publications/index.asp. May 2006.

USDA (2007b) *Chicken and Eggs 2006 Summary*. National Agriculture Statistics Service, U.S. Department of Agriculture. Washington, DC. February 2007. Available online at http://www.nass.usda.gov/Publications/index.asp.

USDA (2007c) *Poultry - Production and Value 2006 Summary*. National Agriculture Statistics Service, U.S. Department of Agriculture. Washington, DC. April 2007. Available online at http://www.nass.usda.gov/Publications/index.asp.

USDA (2006a) *Chicken and Eggs 2005 Summary*. National Agriculture Statistics Service, U.S. Department of Agriculture. Washington, DC. February 2006. Available online at http://www.nass.usda.gov/Publications/index.asp.

USDA (2006b) *Poultry - Production and Value 2005 Summary*. National Agriculture Statistics Service, U.S. Department of Agriculture. Washington, DC. April 2006. Available online at http://www.nass.usda.gov/Publications/index.asp.

USDA (2005) 1992, 1997, and 2002 Census of Agriculture. National Agriculture Statistics Service, U.S. Department of Agriculture. Washington, DC. Available online at http://www.nass.usda.gov/census/>. March 2006.

USDA (2004a) *Chicken and Eggs—Final Estimates 1998-2003*. National Agriculture Statistics Service, U.S. Department of Agriculture. Washington, DC. April 2004. Available online at http://usda.mannlib.cornell.edu/reports/general/sb/.

USDA (2004b) *Poultry Production and Value—Final Estimates 1998-2002*. National Agriculture Statistics Service, U.S. Department of Agriculture. Washington, DC. April 2004. Available online at http://usda.mannlib.cornell.edu/reports/general/sb/>.

USDA (2000a) *National Animal Health Monitoring System's (NAHMS) Dairy '96 Study*. Stephen L. Ott, Animal and Plant Health Inspection Service, U.S. Department of Agriculture. June 19, 2000.

USDA (2000b) Layers '99—Part II: References of 1999 Table Egg Layer Management in the U.S. Animal and Plant Health Inspection Service (APHIS), National Animal Health Monitoring System (NAHMS), U.S. Department of Agriculture. January 2000.

USDA (1999) Poultry Production and Value—Final Estimates 1994-97. National Agriculture Statistics Service,

11-36

U.S. Department of Agriculture. Washington, DC. March 1999. Available online at http://usda.mannlib.cornell.edu/reports/general/sb/>.

USDA (1998a) *Chicken and Eggs—Final Estimates 1994-97*. National Agriculture Statistics Service, U.S. Department of Agriculture. Washington, DC. December 1998. Available online at http://usda.mannlib.cornell.edu/reports/general/sb/>.

USDA (1998b) *National Animal Health Monitoring System's (NAHMS) Swine '95 Study*. Eric Bush, Centers for Epidemiology and Animal Health , U.S. Department of Agriculture.

USDA (1996a) *Agricultural Waste Management Field Handbook*, *National Engineering Handbook* (*NEH*), Part 651. Natural Resources Conservation Service, U.S. Department of Agriculture. July 1996.

USDA (1996b) Swine '95: Grower/Finisher Part II: Reference of 1995 U.S. Grower/Finisher Health & Management Practices. Animal Plant Health and Inspection Service, U.S. Department of Agriculture. Washington, DC. June 1996.

USDA (1995a) *Chicken and Eggs—Final Estimates 1988-1993*. National Agriculture Statistics Service, U.S. Department of Agriculture. Washington, DC. Available online at http://usda.mannlib.cornell.edu/data-sets/livestock/95908/sb908.txt. January 1995.

USDA (1995b) *Poultry Production and Value—Final Estimates 1988-1993*. National Agriculture Statistics Service, U.S. Department of Agriculture. Washington, DC. January 1995. Available online at http://usda.mannlib.cornell.edu/reports/general/sb/>.

USDA (1994) Sheep and Goats—Final Estimates 1989-1993. National Agriculture Statistics Service, U.S. Department of Agriculture. Washington, DC. January 31, 1994. Available online at http://usda.mannlib.cornell.edu/reports/general/sb/>.

Wright, P. (2000) Personal Communication. Lee-Ann Tracy, ERG and Peter Wright, Cornell University, College of Agriculture and Life Sciences. June 23, 2000.

Rice Cultivation

Bollich, P. (2000) Personal Communication. Pat Bollich, Professor with Louisiana State University Agriculture Center and Payton Deeks, ICF International. May 17, 2000.

Bossio, D.A., W. Horwath, R.G. Mutters, and C. van Kessel (1999) "Methane pool and flux dynamics in a rice field following straw incorporation." *Soil Biology and Biochemistry*, 31:1313-1322.

Cantens, G. (2005) Personal Communication. Janet Lewis, Assistant to Gaston Cantens, Vice President of Corporate Relations, Florida Crystals Company and Lauren Flinn, ICF International. August 4, 2005.

Cantens, G. (2004) Personal Communication. Janet Lewis, Assistant to Gaston Cantens, Vice President of Corporate Relations, Florida Crystals Company and Lauren Flinn of ICF International. July 30, 2004.

Cicerone R.J., C.C. Delwiche, S.C. Tyler, and P.R. Zimmerman (1992) "Methane Emissions from California Rice Paddies with Varied Treatments." *Global Biogeochemical Cycles*, 6:233-248.

Deren, C. (2002) Personal Communication and Dr. Chris Deren, Everglades Research and Education Centre at the University of Florida and Caren Mintz, ICF International. August 15, 2002.

Gonzalez, R. (2007a) Email correspondence. Rene Gonzalez, Plant Manager, Sem-Chi Rice Company and Sarah Menassian, ICF International. August 29, 2007.

Gonzalez, R. (2007b) Email correspondence. Rene Gonzalez, Plant Manager, Sem-Chi Rice Company and Victoria Thompson, ICF International. August 2007.

Guethle, D. (2007) Email correspondence. David Guethle, Agronomy Specialist, Missouri Cooperative Extension Service and Victoria Thompson, ICF International. July 30, 2007.

Guethle, D. (2006) Personal Communication. David Guethle, Agronomy Specialist, Missouri Cooperative Extension Service and Lauren Flinn, ICF International. July 2006.

Guethle, D. (2005) Personal Communication. David Guethle, Agronomy Specialist, Missouri Cooperative Extension Service and Lauren Flinn, ICF International. July 2005.

Guethle, D. (2004) Personal Communication. David Guethle, Agronomy Specialist, Missouri Cooperative Extension Service and Lauren Flinn, ICF International. June 23, 2004.

Guethle, D. (2003) Personal Communication. David Guethle, Agronomy Specialist, Missouri Cooperative Extension Service and Caren Mintz, ICF International. June 19, 2003.

Guethle, D. (2002) Personal Communication. David Guethle, Agronomy Specialist, Missouri Cooperative Extension Service and Caren Mintz, ICF International. August 19, 2002.

Guethle, D. (2001a) Personal Communication. David Guethle, Agronomy Specialist, Missouri Cooperative Extension Service and Caren Mintz, ICF International. July 31, 2001.

Guethle, D. (2001b) Personal Communication. David Guethle, Agronomy Specialist, Missouri Cooperative Extension Service and Caren Mintz, ICF International. . September 4, 2001.

Guethle, D. (2000) Personal Communication. David Guethle, Agronomy Specialist, Missouri Cooperative Extension Service and Payton Deeks, ICF International. May 17, 2000.

Guethle, D. (1999) Personal Communication. David Guethle, Agronomy Specialist, Missouri Cooperative Extension Service and Payton Deeks, ICF International. August 6, 1999.

Holzapfel-Pschorn, A., R. Conrad, and W. Seiler (1985) "Production, Oxidation, and Emissions of Methane in Rice Paddies." *FEMS Microbiology Ecology*, 31:343-351.

IPCC (2006) 2006 IPCC Guidelines for National Greenhouse Gas Inventories. The National Greenhouse Gas Inventories Programme, The Intergovernmental Panel on Climate Change, H.S. Eggleston, L. Buendia, K. Miwa, T Ngara, and K. Tanabe (eds.). Hayama, Kanagawa, Japan.

IPCC (2000) *Good Practice Guidance and Uncertainty Management in National Greenhouse Gas Inventories*. , National Greenhouse Gas Inventories Programme, Intergovernmental Panel on Climate Change. Montreal. May 2000. IPCC-XVI/Doc. 10 (1.IV.2000).

IPCC/UNEP/OECD/IEA (1997) Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories. Intergovernmental Panel on Climate Change, United Nations Environment Programme, Organization for Economic Co-Operation and Development, International Energy Agency. Paris, France.

Kirstein, A. (2006) Personal Communication. Arthur Kirstein, Coordinator, Agricultural Economic Development Program, Palm Beach County Cooperative Extension Service, FL and Lauren Flinn, ICF International. August 17, 2006.

Kirstein, A. (2004) Personal Communication. Arthur Kirstein, Coordinator, Agricultural Economic Development Program, Palm Beach County Cooperative Extension Service, FL and Lauren Flinn, ICF International. June 30,

2004.

Kirstein, A. (2003) Personal Communication. Arthur Kirstein, Coordinator, Agricultural Economic Development Program, Palm Beach County Cooperative Extension Service, FL and Caren Mintz, ICF International. August 13, 2003.

Klosterboer, A. (2003) Personal Communication. Arlen Klosterboer, retired Extension Agronomist, Texas A&M University and Caren Mintz, ICF International. July 7, 2003.

Klosterboer, A. (2002) Personal Communication. Arlen Klosterboer, retired Extension Agronomist, Texas A&M University and Caren Mintz, ICF International. August 19, 2002.

Klosterboer, A. (2001a) Personal Communication. Arlen Klosterboer, retired Extension Agronomist, Texas A&M University and Caren Mintz, ICF International. August 6, 2001.

Klosterboer, A. (2001b) Personal Communication. Arlen Klosterboer, retired Extension Agronomist, Texas A&M University and Caren Mintz, ICF International. October 8, 2001.

Klosterboer, A. (2000) Personal Communication. Arlen Klosterboer, retired Extension Agronomist, Texas A&M University and Payton Deeks, ICF International. May 18, 2000.

Klosterboer, A. (1999) Personal Communication. Arlen Klosterboer, retired Extension Agronomist, Texas A&M University and Catherine Leining, ICF International. June 10, 1999.

Klosterboer, A. (1997) Personal Communication. Arlen Klosterboer, retired Extension Agronomist, Texas A&M University and Holly Simpkins, ICF Incorporated. December 1, 1997.

Lancero, J. (2007) Email correspondence. Jeff Lancero, California Air Resources Board and Victoria Thompson, ICF International. July 24, 2007.

Lancero, J. (2006) Email correspondence. Jeff Lancero, California Air Resources Board and Lauren Flinn, ICF International. August 11, 2006.

Lee, D. (2007) Email correspondence. Danny Lee, OK Farm Service Agency and Victoria Thompson, ICF International. July 30, 2007.

Lee, D. (2006) Email correspondence. Danny Lee, OK Farm Service Agency and Lauren Flinn, ICF International. July 13, 2006.

Lee, D. (2005) Email correspondence. Danny Lee, OK Farm Service Agency and Lauren Flinn, ICF International. July and September 2005.

Lee, D. (2004) Personal Communication. Danny Lee, OK Farm Service Agency and Lauren Flinn, ICF International July 23, 2004.

Lee, D. (2003) Personal Communication. Danny Lee, OK Farm Service Agency and Caren Mintz, ICF International. July 2, 2003.

Lindau, C.W. and P.K. Bollich (1993) "Methane Emissions from Louisiana First and Ratoon Crop Rice." *Soil Science*, 156:42-48.

Lindau, C.W., P.K Bollich, and R.D. DeLaune (1995) "Effect of Rice Variety on Methane Emission from Louisiana Rice." *Agriculture, Ecosystems and Environment*, 54:109-114.

Linscombe, S. (2007) Personal Communication. Steve Linscombe, Professor with the Rice Research Station at Louisiana State University Agriculture Center and Victoria Thompson, ICF International. July 24, 2007.

Linscombe, S. (2006) Personal Communication. Steve Linscombe, Professor with the Rice Research Station at Louisiana State University Agriculture Center and Lauren Flinn, ICF International. August 15, 2006.

Linscombe, S. (2005) Email correspondence. Steve Linscombe, Professor with the Rice Research Station at Louisiana State University Agriculture Center and Lauren Flinn, ICF International. July 2005.

Linscombe, S. (2004) Personal Communication. Steve Linscombe, Professor with the Rice Research Station at Louisiana State University Agriculture Center and Lauren Flinn, ICF International.. June 23, 2004.

Linscombe, S. (2003) Personal Communication. Steve Linscombe, Professor with the Rice Research Station at Louisiana State University Agriculture Center and Caren Mintz, ICF International. June 10, 2003.

Linscombe, S. (2002) Personal Communication. Steve Linscombe, Professor with the Rice Research Station at Louisiana State University Agriculture Center and Caren Mintz, ICF International. August 21, 2002.

Linscombe, S. (2001a) Personal Communication. Steve Linscombe, Research Agronomist, Rice Research Station in Crowley, LA and Caren Mintz, ICF International. July 30-August 1, 2001.

Linscombe, S. (2001b) Email correspondence. Steve Linscombe, Research Agronomist, Rice Research Station in Crowley, LA and Caren Mintz, ICF International. October 4, 2001.

Linscombe, S. (1999) Personal Communication. Steve Linscombe, Research Agronomist, Rice Research Station in Crowley, LA and Catherine Leining, ICF International June 3, 1999.

Mayhew, W. (1997) Personal Communication. Walter Mayhew, University of Arkansas, Little Rock and Holly Simpkins, ICF Incorporated. November 24, 1997.

Mutters, C. (2005) Email correspondence. Mr. Cass Mutters, Rice Farm Advisor for Butte, Glen, and Tehama Counties University of California, Cooperative Extension Service and Lauren Flinn, ICF International. July 2004.

Mutters, C. (2004) Personal Communication. Mr. Cass Mutters, Rice Farm Advisor for Butte, Glen, and Tehama Counties University of California, Cooperative Extension Service and Lauren Flinn, ICF International. June 25, 2004.

Mutters, C. (2003) Personal Communication. Mr. Cass Mutters, Rice Farm Advisor for Butte, Glen, and Tehama Counties University of California, Cooperative Extension Service and Caren Mintz, ICF International. June 23, 2003.

Mutters, C. (2002) Personal Communication. Mr. Cass Mutters, Rice Farm Advisor for Butte, Glen, and Tehama Counties University of California, Cooperative Extension Service and Caren Mintz, ICF International. August 27, 2002.

Mutters, C. (2001) Personal Communication. Mr. Cass Mutters, Rice Farm Advisor for Butte, Glen, and Tehama Counties University of California, Cooperative Extension Service and Caren Mintz, ICF International. September 5, 2001.

Sacramento Valley Basinwide Air Pollution Control Council (2007) *Report on the Conditional Rice Straw Burning Permit Progra*m. June 1, 2007. Available online at: http://www.bcaqmd.org/default.asp?docpage=html/bcc.htm>.

Sacramento Valley Basinwide Air Pollution Control Council (2005) *Report on the Conditional Rice Straw Burning Permit Program.* May 25, 2005. Available online at http://www.bcaqmd.org/default.asp?docpage=html/bcc.htm>.

Saichuk, J. (1997) Personal Communication. John Saichuk, Louisiana State University and Holly Simpkins, ICF Incorporated. November 24, 1997.

Sass, R.L., F.M Fisher, P.A. Harcombe, and F.T. Turner (1991a) "Mitigation of Methane Emissions from Rice Fields: Possible Adverse Effects of Incorporated Rice Straw." *Global Biogeochemical Cycles*, 5:275-287.

Sass, R.L., F.M. Fisher, F.T. Turner, and M.F. Jund (1991b) "Methane Emissions from Rice Fields as Influenced by Solar Radiation, Temperature, and Straw Incorporation." *Global Biogeochemical Cycles*, 5:335-350.

Sass, R.L., F.M. Fisher, P.A. Harcombe, and F.T. Turner (1990) "Methane Production and Emissions in a Texas Rice Field." *Global Biogeochemical Cycles*, 4:47-68.

Schueneman, T. (2001a) Personal Communication. Tom Schueneman, Agricultural Extension Agent, Palm Beach County, FL and Caren Mintz, ICF International. July 30, 2001.

Schueneman, T. (2001b) Personal Communication. Tom Schueneman, Agricultural Extension Agent, Palm Beach County, FL and Caren Mintz, ICF International. October 9, 2001.

Schueneman, T. (2000) Personal Communication. Tom Schueneman, Agricultural Extension Agent, Palm Beach County, FL and Payton Deeks, ICF International. May 16, 2000.

Schueneman, T. (1999a) Personal Communication. Tom Schueneman, Agricultural Extension Agent, Palm Beach County, FL and Catherine Leining, ICF International.. June 7, 1999.

Schueneman, T. (1999b) Personal Communication. Tom Schueneman, Agricultural Extension Agent, Palm Beach County, FL and Payton Deeks, ICF International. August 10, 1999.

Schueneman, T. (1999c) Personal Communication. Tom Schueneman, Agricultural Extension Agent, Palm Beach County, FL and John Venezia, ICF International. August 7, 1999.

Schueneman, T. (1997) Personal Communication. Tom Schueneman, Agricultural Extension Agent, Palm Beach County, FL and Barbara Braatz, ICF Incorporated. November 7, 1997.

Slaton, N. (2001a) Personal Communication. Nathan Slaton, Extension Agronomist—Rice, University of Arkansas Division of Agriculture Cooperative Extension Service and Caren Mintz, ICF International. August 23, 2001.

Slaton, N. (2001b) Personal Communication. Nathan Slaton, Extension Agronomist—Rice, University of Arkansas Division of Agriculture Cooperative Extension Service and Caren Mintz, ICF International. October 3, 2001.

Slaton, N. (2000) Personal Communication. Nathan Slaton, Extension Agronomist—Rice, University of Arkansas Division of Agriculture Cooperative Extension Service and Payton Deeks, ICF International. May 20, 2000.

Slaton, N. (1999) Personal Communication. Nathan Slaton, Extension Agronomist—Rice, University of Arkansas Division of Agriculture Cooperative Extension Service and Catherine Leining, ICF International. June 3, 1999.

Stansel, J. (2005) Email correspondence. Dr. Jim Stansel, Resident Director and Professor Emeritus, Texas A&M University Agricultural Research and Extension Center and Lauren Flinn, ICF International. July 2005.

Stansel, J. (2004) Personal Communication. Dr. Jim Stansel, Resident Director and Professor Emeritus, Texas A&M University Agricultural Research and Extension Center and Lauren Flinn, ICF International. July 12, 2004.

Stevens, G. (1997) Personal Communication. Gene Stevens, Extension Specialist, Missouri Commercial Agriculture Program, Delta Research Center and Holly Simpkins, ICF Incorporated. December 17, 1997.

Street, J. (2003) Personal Communication. Joe Street, Rice Specialist, Mississippi State University, Delta Research Center and Caren Mintz. ICF International. June 19, 2003.

Street, J. (2002) Personal Communication. Joe Street, Rice Specialist, Mississippi State University, Delta Research Center and Caren Mintz, ICF International. August 19, 2002.

Street, J. (2001a) Personal Communication. Joe Street, Rice Specialist, Mississippi State University, Delta Research Center and Caren Mintz, ICF International. August 1, 2001.

Street, J. (2001b) Personal Communication. Joe Street, Rice Specialist, Mississippi State University, Delta Research Center and Caren Mintz, ICF International. October 3, 2001.

Street, J. (2000) Personal Communication. Joe Street, Rice Specialist, Mississippi State University, Delta Research Center and Payton Deeks, ICF International. May 17, 2000.

Street, J. (1999) Personal Communication. Joe Street, Rice Specialist, Mississippi State University, Delta Research Center and Catherine Leining, ICF International June 8, 1999.

Street, J. (1997) Personal Communication. Joe Street, Rice Specialist, Mississippi State University, Delta Research Center and Holly Simpkins, ICF Incorporated. December 1, 1997.

Texas Agricultural Experiment Station (2006) 2005 - *Texas Rice Crop Statistics Report*. Agricultural Research and Extension Center, Texas Agricultural Experiment Station, Texas A&M University System, p. 8. Available online at http://beaumont.tamu.edu/eLibrary/TRRFReport default.htm>.

Texas Agricultural Experiment Station (2007) 2006 - Texas Rice Acreage by Variety. Agricultural Research and Extension Center, Texas Agricultural Experiment Station, Texas A&M University System. Available online at http://beaumont.tamu.edu/CropSurvey/CropSurveyReport.aspx>.

USDA (2007) *Crop Production 2006 Summary*, National Agricultural Statistics Service, Agricultural Statistics Board, U.S. Department of Agriculture. Washington, DC. Available online at http://usda.mannlib.cornell.edu.

USDA (2005 through 2006) *Crop Production Summary*, National Agricultural Statistics Service, Agricultural Statistics Board, U.S. Department of Agriculture. Washington, DC. Available online at http://usda.mannlib.cornell.edu.

USDA (2003) *Field Crops, Final Estimates 1997-2002*. Statistical Bulletin No. 982. National Agricultural Statistics Service, Agricultural Statistics Board, U.S. Department of Agriculture, Washington, DC. Available online at http://usda.mannlib.cornell.edu/usda/reports/general/sb/>. September 2005.

USDA (1998) *Field Crops Final Estimates 1992-97*. Statistical Bulletin Number 947 a. National Agricultural Statistics Service, Agricultural Statistics Board, U.S. Department of Agriculture, Washington, DC. Available online at http://usda.mannlib.cornell.edu/. July 2001.

USDA (1994) *Field Crops Final Estimates 1987-1992*. Statistical Bulletin Number 896. National Agricultural Statistics Service, Agricultural Statistics Board, U.S. Department of Agriculture, Washington, DC. Available online at http://usda.mannlib.cornell.edu/. July 2001.

Walker, T. (2007) Personal Communication. Tim Walker, Assistant Research Professor, Mississippi State University Delta Branch Exp. Station and Victoria Thompson, ICF International. August 15, 2007.

Walker, T. (2005) Email correspondence. Tim Walker, Assistant Research Professor, Mississippi State University Delta Branch Exp. Station and Lauren Flinn, ICF International.. July 2005.

Wilson, C. (2007) Personal Communication. Dr. Chuck Wilson, Rice Specialist at the University of Arkansas Cooperative Extension Service and Victoria Thompson, ICF International. August 22, 2007.

Wilson, C. (2006) Email correspondence. Dr. Chuck Wilson, Rice Specialist at the University of Arkansas Cooperative Extension Service and Lauren Flinn, ICF International. August 8, 2006.

Wilson, C. (2005) Email correspondence. Dr. Chuck Wilson, Rice Specialist at the University of Arkansas Cooperative Extension Service and Lauren Flinn, ICF International. August 2005.

Wilson, C. (2004) Personal Communication. Dr. Chuck Wilson, Rice Specialist at the University of Arkansas Cooperative Extension Service and Lauren Flinn, ICF International. June 23, 2004.

Wilson, C. (2003) Personal Communication. Dr. Chuck Wilson, Rice Specialist at the University of Arkansas Cooperative Extension Service and Caren Mintz, ICF International. June 11, 2003.

Wilson, C. (2002) Personal Communication. Dr. Chuck Wilson, Rice Specialist at the University of Arkansas Cooperative Extension Service and Caren Mintz, ICF International. August 23, 2002.

Agricultural Soil Management

AAPFCO (1995 through 2000b, 2002 through 2007) *Commercial Fertilizers*. Association of American Plant Food Control Officials. University of Kentucky, Lexington, KY.

AAPFCO (2000a) 1999-2000 Commercial Fertilizers Data, ASCII files. Available from David Terry, Secretary, Association of American Plant Food Control Officials.

Alexander, R.B. and R.A. Smith (1990) *County-Level Estimates of Nitrogen and Phosphorous Fertilizer Use in the United States*, 1945-1985. U.S. Geological Survey Open File Report 90-130.

Anderson, S. (2000) Personal Communication. Lee-Ann Tracy, ERG and Steve Anderson, Agricultural Statistician, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. May 31, 2000.

Anonymous (1924) Fertilizer Used on Cotton, 1923-1924. "Miscellaneous Agricultural Statistics," Table 753. 1924 Yearbook of the Department of Agriculture, 1171.

ASAE (1999) ASAE Standards 1999, 46th Edition. American Society of Agricultural Engineers. St. Joseph, MI.

Bastian, R. (2007) Personal Communication. Robert Bastian, Office of Water, U.S. Environmental Protection Agency, Washington, DC and Victoria Thompson, ICF International. July 20, 2007.

Bastian, R. (2006) Personal Communication. Robert Bastian, Office of Water, U.S. Environmental Protection Agency, Washington, DC and Lauren Flinn, ICF International.. July 17, 2006.

Bastian, R. (2005) Personal Communication. Robert Bastian, Office of Water, U.S. Environmental Protection Agency, Washington, DC and Lauren Flinn, ICF International. September 2005.

Bastian, R. (2003) Personal Communication. Robert Bastian, Office of Water, U.S. Environmental Protection Agency, Washington, DC and Caren Mintz, ICF International. August 13, 2003.

Bastian, R. (2002) Personal Communication. Robert Bastian, Office of Water, U.S. Environmental Protection Agency, Washington, DC and Caren Mintz, ICF International.. August 23, 2002.

Battaglin, W.A., and D.A. Goolsby (1994) *Spatial Data in Geographic Information System Format on Agricultural Chemical Use, Land Use, and Cropping Practices in the United States.* U.S. Geological Survey Water-Resources

Investigations Report 94-4176.

Bogue A.G. (1963) From Prairie to Corn Belt: Farming on the Illinois and Iowa prairies in the Nineteenth Century. The University of Chicago Press. Chicago, IL.

Bonnen C.A., and F.F. Elliott (1931) Type of Farming Areas in Texas. Bulletin Number 427, Texas Agricultural Experiment Station, Agricultural and Mechanical College of Texas.

Brenner, J., K. Paustian, G. Bluhm, J. Cipra, M. Easter, R. Foulk, K. Killian, R. Moore, J. Schuler, P. Smith, and S. Williams (2002) Quantifying the Change in Greenhouse Gas Emissions Due to Natural Resource Conservation Practice Application in Nebraska. Colorado State University Natural Resource Ecology Laboratory and USDA Natural Resources Conservation Service. Fort Collins, CO.

Brenner, J., K. Paustian., G. Bluhm, J. Cipra, M. Easter, E.T. Elliott, T. Koutza, K. Killian, J. Schuler, S. Williams (2001) Quantifying the Change in Greenhouse Gas Emissions Due to Natural Resource Conservation Practice Application in Iowa. Final report to the Iowa Conservation Partnership. Colorado State University Natural Resource Ecology Laboratory and U.S. Department of Agriculture Natural Resources Conservation Service. Fort Collins, CO.

Brumme, R., Borken, W., and Finke, S. (1999) "Hierarchical control on nitrous oxide emission in forest ecosystems." Global Biochem. Cycles, 13:1137-1148.

Butterbach-Bahl, K., R. Gasche, L. Breuer, and H. Papen. (1997) "Fluxes of NO and N₂O from temperate forest soils: impact of forest type, N deposition and of liming on the NO and N₂O emissions." Nutr. Cycl. Agroecosyst., 48:79-90.

Carpenter, G.H. (1992) "Current Litter Practices and Future Needs." In 1992 National Poultry Waste Management Symposium Proceedings. J.P. Blake, J.O. Donald, and P.H. Patterson (eds.); Auburn University Printing Service. Auburn, AL, 268-273.

Carpenter, G. and J. Starkey (2007) Personal Communication. Glenn Carpenter, USDA; John Starkey, U.S. Poultry & Egg Association and Victoria Thompson, ICF International, April to June, 2007.

Chilcott E.C. (1910) A Study of Cultivation Methods and Crop Rotations for the Great Plains Area. Bureau of Plant Industry Bulletin Number 187, U.S. Department of Agriculture. Government Printing Office. Washington, DC.

Clough, T., J.E. Bertram, R.R. Sherlock, R.L. Leonard, and B.L. Nowicki (2006) "Comparison of measured and EF5-r-derived N₂O fluxes from a spring-fed river." Glob. Change Biol., 12:477-488.

Cochran, W.G. (1977) Sampling Techniques, Third Edition. Wiley Publishing, New York.

Corre, M.D., D.J. Pennock, C. van Kessel, and D.K. Elliott (1999) "Estimation of annual nitrous oxide emissions from a transitional grassland-forest region in Saskatchewan, Canada. Biogeochem., 44:29-49.

CTIC (1998) 1998 Crop Residue Management Executive Summary. Conservation Technology Information Center. Available online at http://www.ctic.purdue.edu/Core4/CT/CT.html.

Daly, C., G.H. Taylor, W.P. Gibson, T. Parzybok, G.L. Johnson, and P.A. Pasteris (1998) "Development of highquality spatial datasets for the United States." Proc., 1st International Conference on Geospatial Information in Agriculture and Forestry, Lake Buena Vista, FL, I-512-I-519. June 1-3, 1998.

Daly, C., R.P. Neilson, and D.L. Phillips (1994) "A statistical-topographic model for mapping climatological precipitation over mountainous terrain." Journal of Applied Meteorology, 33:140-158.

DAYMET (No date) *Daily Surface Weather and Climatological Summaries*. Numerical Terradynamic Simulation Group (NTSG), University of Montana. Available online at http://www.daymet.org.

Deal, P. (2000) Personal communication. Lee-Ann Tracy, ERG and Peter B. Deal, Rangeland Management Specialist, Florida Natural Resource Conservation Service. June 21, 2000.

Del Grosso, S.J., S.M. Ogle, and F.J. Breidt (in prep.) "Uncertainty in estimating nitrous oxide emissions from cropped and grazed soils in the USA." Manuscript in preparation.

Del Grosso, S.J., A.R. Mosier, W.J. Parton, and D.S. Ojima (2005) "DAYCENT Model Analysis of Past and Contemporary Soil N₂O and Net Greenhouse Gas Flux for Major Crops in the USA." *Soil Tillage and Research*, 83: 9-24. doi: 10.1016/j.still.2005.02.007.

Del Grosso, S.J., W.J. Parton, A.R. Mosier, M.D. Hartman, J. Brenner, D.S. Ojima, and D.S. Schimel (2001) "Simulated Interaction of Carbon Dynamics and Nitrogen Trace Gas Fluxes Using the DAYCENT Model." In Schaffer, M., L. Ma, S. Hansen, (eds.); *Modeling Carbon and Nitrogen Dynamics for Soil Management*. CRC Press. Boca Raton, Florida. 303-332.

Del Grosso, S.J., W.J. Parton, A.R. Mosier, D.S. Ojima, A.E. Kulmala and S. Phongpan (2000) General model for N_2O and N_2 gas emissions from soils due to denitrification. *Global Biogeochem. Cycles*, 14:1045-1060.

Denier van der Gon, H., and A. Bleeker (2005) "Indirect N_2O emission due to atmospheric N deposition for the Netherlands." *Atmos. Environ.*, 39:5827-5838.

Dong, L.F., D.B. Nedwell, I. Colbeck, and J. Finch (2004) "Nitrous oxide emission from some English and Welsh rivers and estuaries." *Water Air Soil Pollution: Focus*, 4:127-134.

Edmonds, L., N. Gollehon, R.L. Kellogg, B. Kintzer, L. Knight, C. Lander, J. Lemunyon, D. Meyer, D.C. Moffitt, and J. Schaeffer (2003) "Costs Associated with Development and Implementation of Comprehensive Nutrient Management Plans." Part 1. *Nutrient Management, Land Treatment, Manure and Wastewater Handling and Storage, and Recordkeeping*. Natural Resource Conservation Service, U.S. Department of Agriculture.

Elliott, F.F. (1933) *Types of Farming in the United States*. U.S. Department of Commerce. Government Printing Office. Washington, DC.

Elliott, F.F. and J.W. Tapp (1928) *Types of Farming in North Dakota*. U.S. Department of Agriculture Technical Bulletin Number 102.

Ellsworth, J.O. (1929) *Types of Farming in Oklahoma*. Agricultural Experiment Station Bulletin Number 181. Oklahoma Agricultural and Mechanical College.

Engle, R.H. and B.R. Makela (1947) "Where is All the Fertilizer Going?" *The Fertilizer Review*. The National Fertilizer Association, Vol. XXII, 6:7-10.

EPA (2003) *Clean Watersheds Needs Survey 2000—Report to Congress*, U.S. Environmental Protection Agency. Washington, DC. Available online at http://www.epa.gov/owm/mtb/cwns/2000rtc/toc.htm.

EPA (2002) Cost Methodology for the Final Revisions to the National Pollutant Discharge Elimination System Regulation and the Effluent Guidelines for Concentrated Animal Feeding Operations. EPA-821-R-03-004. December 2002.

EPA (1999) *Biosolids Generation, Use and Disposal in the United States*. Office of Solid Waste, U.S. Environmental Protection Agency. Available online at http://biosolids.policy.net/relatives/18941.PDF>.

EPA (1997) 1996 Clean Watersheds Needs Survey Report to Congress—Assessment of Needs for Publicly Owned Wastewater Treatment Facilities, Correction of Combined Sewer Overflows, and management of Storm Water and Nonpoint Source Pollution in the United States, U.S. Environmental Protection Agency. Washington, DC. Available online at http://www.epa.gov/owm/mtb/cwns/1996rtc/toc.htm.

EPA (1993) Federal Register. Part II. Standards for the Use and Disposal of Sewage Sludge; Final Rules. U.S. Environmental Protection Agency, 40 CFR Parts 257, 403, and 503.

EPA (1992) *Global Methane Emissions from Livestock and Poultry Manure*. Office of Air and Radiation , U.S. Environmental Protection Agency. February 1992.

ERG (2003) Methodology for Estimating Uncertainty for Manure Management Greenhouse Gas Inventory. Contract No. GS-10F-0036, Task Order 005. Memorandum to EPA from ERG. September 26, 2003.

ERS (2003) Ag Chemical and Production Technology. Economic Research Service, U.S. Department of Agriculture.

ERS (2002) Economic Research Service, U.S. Department of Agriculture. Available online at http://www.ers.usda.gov/>.

ERS (1997) *Cropping Practices Survey Data—1995*. Economic Research Service, U.S. Department of Agriculture. Available online at http://www.ers.usda.gov/data/archive/93018/>.

ERS (1994) Fertilizer Use and Price Statistics. Stock #86012. Economic Research Service, U.S. Department of Agriculture.

ERS (1988) *Agricultural Resources—Inputs Situation and Outlook Report*. AR-9. Economic Research Service, U.S. Department of Agriculture.

Eve, M. (2001) E-mail correspondence. Statistics on U.S. organic soil areas cultivated in 1982, 1992, and 1997, which were extracted from the *1997 National Resources Inventory*. Marlen Eve of the Natural Resources Ecology Laboratory to Barbara Braatz and Caren Mintz, ICF International. September 21, 2001.

FAO (2006) "Yearly U.S. total horse population." Food and Agriculture Organization of the United Nations database. Available online at http://apps.fao.org.

Fraps, G.S. and S.E. Asbury (1931) *Commercial Fertilizers in 1930-1931 and Their Uses*. Agricultural Experiment Station Bulletin Number 434. Agricultural and Mechanical College of Texas.

Hardies, E.W. and A.N. Hume (1927) *Wheat in South Dakota*. Agronomy Department Bulletin Number 222. Agricultural Experiment Station, South Dakota State College of Agriculture and Mechanical Arts. Brookings, SD.

Garey, L.F. (1929) *Types of Farming in Minnesota*. Agricultural Experiment Station Bulletin Number 257. University of Minnesota. St. Paul, MN.

Grant, W.R. and R.D. Krenz (1985) *U. S. grain sorghum production practices and costs*. Staff Report No. AGES 851024. National Economics Division, Economics Research Service, U.S. Department of Agriculture.

Hargreaves, M.W.M. (1993) Dry Farming in the Northern Great Plains: Years of Readjustment, 1920-1990. University Press of Kansas. Lawrence, KS.

Hiscock, K.M., A.S. Bateman, T. Fukada, and P.F. Dennis (2002) "The concentration and distribution of groundwater N₂O in the Chalk aquifer of eastern England." In J. Van Ham, A.P.M. Baede, R. Guicherit, and J.G.F.M Williams-Jacobse (eds.); *Proc. 3rd Internat. Symp. Non-CO*₂ *Greenhouse Gases*. Maastricht, The Netherlands, 185-190.

Hiscock, K.M., A.S. Bateman, I. H. Muhlherr, T. Fukada, and P.F. Dennis (2003) "Indirect emissions of nitrous oxide from regional aquifers in the United Kingdom." *Environ. Sci. Technol.*, 37:3507-3512.

Hodges, J.A., F.F. Elliott, and W.E. Grimes (1930) *Types of Farming in Kansas*. Agricultural Experiment Station Bulletin Number 251. Kansas State Agricultural College. Manhattan, KS.

Holmes C.L. (1929) *Types of Farming in Iowa*. Agricultural Experiment Station Bulletin Number 259. Iowa State College of Agriculture and Mechanic Arts. Ames, IA.

Holmes G.K. (1902) "Practices in Crop Rotation." Yearbook of the Department of Agriculture, 519-532.

Hurd E.B. (1929) *The Corn Enterprise in Iowa*. Agricultural Experiment Station Bulletin Number 268. Iowa State College of Agriculture and Mechanic Arts. Ames, IA.

Hurd E.B. (1930) *Cropping Systems in Iowa Past and Present*. Agricultural Experiment Station Bulletin Number 268. Iowa State College of Agriculture and Mechanic Arts. Ames, IA.

Hurt, R.D. (1994) American Agriculture: A Brief History. Iowa State University Press. Ames, IA.

Ibach, D.B. and J.R. Adams (1967) Fertilizer Use in the United States by Crops and Areas, 1964 Estimates. Statistical Bulletin Number 408, U.S. Department of Agriculture.

Ibach, D.B., J.R. Adams, and E.I. Fox (1964) *Commercial Fertilizer used on Crops and Pasture in the United States, 1959 Estimates.* U.S. Department of Agriculture Statistical Bulletin Number 348.

Iowa State College Staff Members (1946) *A Century of Farming in Iowa 1846-1946*. The Iowa State College Press. Ames, IA.

IPCC (2006) 2006 IPCC Guidelines for National Greenhouse Gas Inventories. The National Greenhouse Gas Inventories Programme, The Intergovernmental Panel on Climate Change, H.S. Eggleston, L. Buendia, K. Miwa, T Ngara, and K. Tanabe (eds.). Hayama, Kanagawa, Japan.

IPCC (2003) *Good Practice Guidance for Land Use, Land-Use Change, and Forestry*. The Intergovernmental Panel on Climate Change, National Greenhouse Gas Inventories Programme, J. Penman, et al., eds. August 13, 2004. Available online at http://www.ipcc-nggip.iges.or.jp/public/gpglulucf/gpglulucf.htm.

IPCC (2000) Good Practice Guidance and Uncertainty Management in National Greenhouse Gas Inventories. Intergovernmental Panel on Climate Change, National Greenhouse Gas Inventories Programme, Montreal, IPCC-XVI/Doc. 10 (1.IV.2000). May 2000.

IPCC/UNEP/OECD/IEA (1997) Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories. Intergovernmental Panel on Climate Change, United Nations Environment Programme, Organization for Economic Co-Operation and Development, International Energy Agency. Paris, France.

Johnson, D. (2000) Personal Communication. Lee-Ann Tracy, ERG and Dan Johnson, State Water Management Engineer, California Natural Resource Conservation Service. June 23, 2000.

Kellogg R.L., C.H. Lander, D.C. Moffitt, and N. Gollehon (2000) *Manure Nutrients Relative to Capacity of Cropland and Pastureland to Assimilate Nutrients: Spatial and Temporal Trends for the United States*. U.S. Department of Agriculture Publication Number nps00-0579.

Kezer A. (ca 1917) Dry Farming in Colorado. Colorado State Board of Immigration, Denver, CO.

 $Klemedtsson,\,L.;\,Kasimir\,\,Klemedtsson,\,A.;\,Escala,\,M.,\,and\,\,A.\,\,Kulmala\,\,(1999)\,\,\text{``Inventory of }N_2O\,\,emission\,\,from\,\,N_2O\,\,emi$

farmed European peatlands." In Approaches to Greenhouse Gas Inventories of Biogenic Sources in Agriculture, Proc. Workshop at Lökeberg, Sweden, A. Freibauer and M. Kaltschmitt (eds.), 79-91, 9-10 July 1998.

Kuchler, AW. (1964) "The Potential Natural Vegetation of the Conterminous United States." Amer. Geographical Soc. NY, Special Publication No. 36.

Lange, J. (2000) Personal Communication. Lee-Ann Tracy, ERG and John Lange, Agricultural Statistician, U.S. Department of Agriculture, National Agriculture Statistics Service, Washington, DC. May 8, 2000.

Langston C.W., L.M. Davis, C.A. Juve, O.C. Stine, A.E. Wight, A.J. Pistor, and C.F. Langworthy (1922) "The Dairy Industry." Yearbook of the Department of Agriculture.

Latta, W.C. (1938) Outline History of Indiana Agriculture. Alpha Lambda Chapter of Epsilon Sigma Phi, Purdue University, West Lafayette, IN.

McCarl, B.A., C.C. Chang, J.D. Atwood, and W.I. Nayda (1993) Documentation of ASM: The U.S. Agricultural Sector Model, Technical Report TR-93. Agricultural Experimental Station, College Station, TX.

Mc Farland, M.J. (2001) *Biosolids Engineering*, New York: McGraw-Hill, p. 2.12.

Metcalf and Eddy, Inc. (1991) Wastewater Engineering: Treatment, Disposal, and Reuse, Third Edition. McGraw-Hill Publishing Company, New York, 772.

Miller, P. (2000) Personal Communication. Lee-Ann Tracy, ERG and Paul Miller, Iowa Natural Resource Conservation Service. June 12, 2000.

Milton, B. (2000) Personal Communication Lee-Ann Tracy, ERG and Bob Milton, Chief of Livestock Branch, U.S. Department of Agriculture, National Agriculture Statistics Service. May 1, 2000.

Mosier, A.R. (2004) E-mail correspondence regarding the uncertainty in estimates of N application rates for specific crops (+/-20). Arvin Mosier, Agricultural Research Service, USDA and Stephen Del Grosso, Natural Resource Ecology Laboratory, Colorado State University,. September 20, 2004.

NASS (2004) Agricultural Chemical Usage: 2003 Field Crops Summary. Report AgCh1(04)a, National Agricultural Statistics Service, U.S. Department of Agriculture. Available online at http://usda.mannlib.cornell.edu/reports/nassr/other/pcu-bb/agcs0504.pdf.

NASS (1999) Agricultural Chemical Usage: 1998 Field Crops Summary. Report AgCh1(99). National Agricultural Statistics Service, U.S. Department of Agriculture. Available online at http://usda.mannlib.cornell.edu/reports/nassr/other/pcu-bb/agch0599.pdf>.

NASS (1992) Agricultural Chemical Usage: 1991 Field Crops Summary. Report AgCh1(92). National Agricultural Statistics Service, U.S. Department of Agriculture. Available online at http://usda.mannlib.cornell.edu/reports/nassr/other/pcu-bb/agch0392.txt.

NEBRA (2007) A National Biosolids Regulation, Quality, End Use & Disposal Survey. North East Biosolids and Residuals Association, July 21, 2007

NFA (1946) Charting the Fertilizer Course: Results of NFA's Third Practice Survey. National Fertilizer Association. The Fertilizer Review. Vol. XXI, 2:7-13.

NRAES (1992) On-Farm Composting Handbook (NRAES-54). Natural Resource, Agriculture, and Engineering Service. Available online at http://compost.css.cornell.edu/OnFarmHandbook/onfarm TOC.html>.

- NRIAI (2003) Regional Budget and Cost Information. Natural Resources Inventory and Analysis Institute, Natural Resources Conservation Service. USDA. Available online at: http://www.economics.nrcs.usda.gov/care/budgets/index.html>
- Ogle, S. (2002) E-mail correspondence containing revised statistics on U.S. histosol areas cultivated in 1982, 1992, and 1997, which were extracted from the *1997 National Resources Inventory* by Marlen Eve. Stephen Ogle, Natural Resources Ecology Laboratory and Barbara Braatz, ICF International. January 9, 2002.
- Ogle, S.M., F.J. Breidt, M. Easter, S. Williams, and K. Paustian. (2007) "Empirically-Based Uncertainty Associated with Modeling Carbon Sequestration in Soils." *Ecological Modeling* 205:453-463.
- Parton, W.J., M.D. Hartman, D.S. Ojima, and D.S. Schimel (1998) "DAYCENT: Its Land Surface Submodel: Description and Testing". *Glob. Planet. Chang.* 19: 35-48.
- Parton, W.J., E.A. Holland, S.J. Del Grosso, M.D. Hartman, R.E. Martin, A.R. Mosier, D.S. Ojima, and D.S. Schimel (2001) Generalized model for NO_x and N_2O emissions from soils. *Journal of Geophysical Research*. 106 (D15):17403-17420.
- Piper C.V., R.A. Oakley, H.N. Vinall, A.J. Pieters, W.J. Morse, W.J. Spillman, O.C. Stine, J.S. Cotton., G.A. Collier, M.R Cooper, E.C. Parker, E.W. Sheets, and A.T. Semple (1924) "Hay." *Yearbook of the Department of Agriculture*, 285-376.
- Poe, G., N. Bills, B. Bellows, P. Crosscombe, R. Koelsch, M. Kreher, and P. Wright (1999) *Documenting the Status of Dairy Manure Management in New York: Current Practices and Willingness to Participate in Voluntary Programs*. Staff Paper, Dept. of Agricultural, Resource, and Managerial Economics, Cornell University, Ithaca, NY, September 1999.
- Reay, D.S., K.A. Smith, and A.C. Edwards (2004) "Nitrous oxide in agricultural drainage waters following field fertilisation." *Water Air Soil Pollution: Focus*, 4:437-451.
- Reay, D., K.A. Smith, A.C. Edwards, K.M. Hiscock, L.F. Dong, and D. Nedwell (2005) "Indirect nitrous oxide emissions: revised emission factors." *Environ. Sciences*, 2:153-158.
- Rochette, P., D.A. Angers, G. Belanger, M.H. Chantigny, D. Prevost, G. Levesque, (2004) "Emissions of N₂O from alfalfa and soybean crops in eastern Canada." *Soil Sci. Soc. Am. J.* 68:493-506.
- Ruddy B.C., D.L. Lorenz, and D.K. Mueller (2006) *County-level estimates of nutrient inputs to the land surface of the conterminous United States*, 1982-2001. Scientific Investigations Report 2006-5012. US Department of the Interior.
- Ross W.H. and A.L. Mehring (1938) "Mixed Fertilizers." In *Soils and Men*. Agricultural Yearbook 1938. U.S. Department of Agriculture.
- Russell E.Z., S.S. Buckley, C.E. Baker, C.E. Gibbons, R.H. Wilcox, H.W. Hawthorne, S.W. Mendum, O.C. Stine, G.K. Holmes, A.V. Swarthout, W.B. Bell, G.S. Jamieson, C.W. Warburton, and C.F. Langworthy (1922) *Hog Production and Marketing*. Yearbook of the U.S. Department of Agriculture.
- Safley, L.M. (2000) Personal Communication. Deb Bartram, ERG and L.M. Safley, President, Agri-Waste Technology. June 2000.
- Safley, L.M., M.E. Casada, J.W. Woodbury, and J.F. Roos (1992) *Global Methane Emissions from Livestock and Poultry Manure*. EPA/400/1-91/048, Office of Air and Radiation, U.S. Environmental Protection Agency. February 1992.
- Sawamoto, T., Y. Nakajima, M. Kasuya, H. Tsuruta, and K. Yagi (2005) "Evaluation of emission factors for

indirect N₂O emission due to nitrogen leaching in agro-ecosystems." *Geophys. Res. Lett.* 32(3), doi:10.1029/2004GL021625.

Saxton, K.E., W.J. Rawls, J.S. Romberger, and R.I. Papendick (1986) "Estimating Generalized Soil-Water Characteristics From Texture." *Soil Sci. Soc. Am. J.* 50:1031-1036.

Skinner, J.J. (1931) *Fertilizers for Cotton Soils*. Miscellaneous Publication Number 126. U.S. Department of Agriculture.

Smalley, H.R., R.H. Engle, and H. Willett (1939) *American Fertilizer Practices: Second Survey*. The National Fertilizer Association.

Smith C.B. (1911) Rotations in the Corn Belt. Yearbook of the Department of Agriculture, pp.325-336.

Smith, P., J. Brenner, K. Paustian, G. Bluhm, J. Cipra, M. Easter, E.T. Elliott, K. Killian, D. Lamm, J. Schuler, and S. Williams (2002) *Quantifying the Change in Greenhouse Gas Emissions Due to Natural Resource Conservation Practice Application in Indiana*. Final Report to the Indiana Conservation Partnership, Colorado State University Natural Resource Ecology Laboratory and U.S. Department of Agriculture Natural Resources Conservation Service, Fort Collins, CO.

Soil Survey Staff, Natural Resources Conservation Service, United States Department of Agriculture. (2005) *State Soil Geographic (STATSGO) Database for State*. Available online at http://www.ncgc.nrcs.usda.gov/products/datasets/statsgo/index.html>.

Spillman W.J. (1908) Types of Farming in the United States. Yearbook of the Department of Agriculture, 351-366.

Spillman W.J. (1907) Cropping Systems for Stock Farms. Yearbook of the Department of Agriculture, 385-398.

Spillman W.J. (1905) *Diversified Farming in the Cotton Belt*. Yearbook of the Department of Agriculture, 193-218.

Spillman W.J. (1902) *Systems of Farm Management in the United States*. Yearbook of the Department of Agriculture, 343-364.

Stettler, D. (2000) Personal Communication. Lee-Ann Tracy, ERG and Don Stettler, Environmental Engineer, National Climate Center, Oregon Natural Resource Conservation Service. June 27, 2000.

Sweeten, J. (2000) Personal Communication. Indra Mitra, ERG and John Sweeten, Texas A&M University. June 2000.

Taylor, H.H. (1994) *Fertilizer Use and Price Statistics: 1960-93*. Resources and Technology Division, Economic Research Service, U.S. Department of Agriculture, Statistical Bulletin Number 893.

Thornton, P.E., H. Hasenauer, and M.A. White (2000) "Simultaneous Estimation of Daily Solar Radiation and Humidity from Observed Temperature and Precipitation: An Application Over Complex Terrain in Austria." *Agricultural and Forest Meteorology* 104:255-271.

Thornton, P.E. and S.W. Running (1999) "An Improved Algorithm for Estimating Incident Daily Solar Radiation from Measurements of Temperature, Humidity, and Precipitation." *Agriculture and Forest Meteorology*. 93: 211-228.

Thornton, P.E., S.W. Running, and M.A. White (1997) "Generating Surfaces of Daily Meteorology Variables Over Large Regions of Complex Terrain." *Journal of Hydrology*. 190:214-251.

TVA (1991) Commercial Fertilizers 1991. Tennessee Valley Authority, Muscle Shoals, AL.

TVA (1992a) Commercial Fertilizers 1992. Tennessee Valley Authority, Muscle Shoals, AL.

TVA (1992b) Fertilizer Summary Data 1992. Tennessee Valley Authority, Muscle Shoals, AL.

TVA (1993) Commercial Fertilizers 1993. Tennessee Valley Authority, Muscle Shoals, AL.

TVA (1994) Commercial Fertilizers 1994. Tennessee Valley Authority, Muscle Shoals, AL.

USDA (2007) *Crop Production 2006 Summary*, National Agricultural Statistics Service, Agricultural Statistics Board, U.S. Department of Agriculture, Washington, DC. Available online at http://usda.mannlib.cornell.edu.

USDA-NASS (2007) USDA National Agricultural Statistics Service, Quick Stats for U.S. and all states county data for crops. U.S. Department of Agriculture, National Agricultural Statistics Service. Washington, D.C., http://www.nass.usda.gov/QuickStats/Create County All.jsp

USDA (2006a) *Agriculture Statistics 2006*. National Agriculture Statistics Service, U.S. Department of Agriculture. Washington, DC.

USDA (2006b) *Crop Production 2005 Summary*. National Agricultural Statistics Service, U.S. Department of Agriculture. Washington, DC. Available online at http://usda.mannlib.cornell.edu.

USDA (2005a) *Cattle*. National Agricultural Statistics Service, U.S. Department of Agriculture. Washington, DC. January 28, 2005. Available online at http://www.usda.gov/nass/pubs/estindx1.htm.

USDA (2005b) *Cattle on Feed.* National Agricultural Statistics Service, U.S. Department of Agriculture. Washington, DC. January 21, 2005. Available online at http://www.usda.gov/nass/pubs/estindx1.htm>.

USDA (2005c) *Hogs and Pigs*. National Agricultural Statistics Service, U.S. Department of Agriculture. Washington, DC. March 24, 2005. Available online at http://www.usda.gov/nass/pubs/estindx1.htm.

USDA (2005d) *Chicken and Eggs Annual Summary*. National Agricultural Statistics Service, U.S. Department of Agriculture. Washington, DC. February 2005. Available online at http://www.usda.gov/nass/pubs/estindx1.htm>.

USDA (2005e) *Poultry Production and Value Annual Summary*. National Agricultural Statistics Service, U.S. Department of Agriculture. Washington, DC. April 28, 2005. Available online at http://www.usda.gov/nass/pubs/estindx1.htm>.

USDA (2005f) *Sheep and Goats*. National Agricultural Statistics Service, U.S. Department of Agriculture. Washington, DC. January 28, 2005. Available online at http://www.usda.gov/nass/pubs/reportname.htm>.

USDA (2005g) 1992, 1997, and 2002 *Census of Agriculture*. National Agricultural Statistics Service, U.S. Department of Agriculture. Washington, DC. Available online at http://www.nass.usda.gov/census/>.

USDA (2005h) *Agriculture Statistics 2005*. National Agricultural Statistics Service, U.S. Department of Agriculture. Washington, DC. Available online at <ftp://www.nass.usda.gov/pub/nass/county/byyear/> or <http://www.usda.gov/nass/pubs/agstats.htm>.

USDA (2005i) *Crop Production 2004 Summary*. National Agricultural Statistics Service, U.S. Department of Agriculture. Washington, DC. Available online at http://usda.mannlib.cornell.edu.

USDA (2004a) *Cattle—Final Estimates 1999-2003*. National Agricultural Statistics Service, U.S. Department of Agriculture. Washington, DC. April 2004. Available online at

http://usda.mannlib.cornell.edu/reports/general/sb/.

USDA (2004b) *Hogs and Pigs—Final Estimates 1998-2002*. National Agricultural Statistics Service, U.S. Department of Agriculture. Washington, DC. March 2004. Available online at http://usda.mannlib.cornell.edu/reports/general/sb/>.

USDA (2004c) *Chicken and Eggs—Final Estimates 1998-2003*. National Agricultural Statistics Service, U.S. Department of Agriculture. Washington, DC. April 2004. Available online at http://usda.mannlib.cornell.edu/reports/general/sb/>.

USDA (2004d) *Poultry Production and Value—Final Estimates 1998-2002*. National Agricultural Statistics Service, U.S. Department of Agriculture. Washington, DC. April 2004. Available online at http://usda.mannlib.cornell.edu/reports/general/sb/>.

USDA (2004e) *Sheep and Goats—Final Estimates 1999-2003*. National Agricultural Statistics Service, U.S. Department of Agriculture. Washington, DC. April 2004. Available online at http://usda.mannlib.cornell.edu/reports/general/sb/>.

USDA (2003) *Crop Production 2002 Summary*. National Agricultural Statistics Service, U.S. Department of Agriculture. Washington, DC. Available online at http://usda.mannlib.cornell.edu. Accessed May 2003.

USDA (2000a) *Cattle on Feed.* National Agriculture Statistics Service, U.S. Department of Agriculture. Washington, DC. April 14, 2000. Data also available online at http://www.nass.usda.gov:81/ipedb/>.

USDA (2000b) 1997 National Resources Inventory. National Agricultural Statistics Service, U.S. Department of Agriculture. Washington, DC. Available online at http://www.nrcs.usda.gov/technical/NRI/>.

USDA (2000c) *Agricultural Statistics* 2000. National Agricultural Statistics Service, U.S. Department of Agriculture. Washington, DC. Available online at http://www.usda.gov/nass/pubs/agstats.htm.

USDA (1999a) *Cattle—Final Estimates 1994-98*. National Agricultural Statistics Service, U.S. Department of Agriculture. Washington, DC. January 1999. Data also available online at http://www.nass.usda.gov:81/ipedb/>.

USDA (1999b) *Poultry Production and Value—Final Estimates 1994-97*. National Agricultural Statistics Service, U.S. Department of Agriculture. Washington, DC. March.

USDA (1999c) *Sheep and Goats—Final Estimates 1994-1998*. National Agriculture Statistics Service, U.S. Department of Agriculture. Washington, DC. January 1999.

USDA (1998a) *Chicken and Eggs—Final Estimates 1994-97.* National Agriculture Statistics Service, U.S. Department of Agriculture. Washington, DC. December 1998.

USDA (1998b) *Field Crops Final Estimates 1992-97*. Statistical Bulletin Number 947a. National Agricultural Statistics Service, U.S. Department of Agriculture. Washington, DC. Available online at http://usda.mannlib.cornell.edu. Accessed July 2001.

USDA (1998c) *Hogs and Pigs—Final Estimates 1993-97*. National Agriculture Statistics Service, U.S. Department of Agriculture. Washington, DC. December 1998. Data also available online at http://www.nass.usda.gov:81/ipedb/.

USDA (1996) Agricultural Waste Management Field Handbook, National Engineering Handbook (NEH), Part 651. Natural Resources Conservation Service, U.S. Department of Agriculture. July 1996.

USDA (1995a) Cattle—Final Estimates 1989-93. National Agriculture Statistics Service, U.S. Department of

Agriculture. Washington, DC. January 1995. Data also available online at http://www.nass.usda.gov:81/ipedb/.

USDA (1995b) *Poultry Production and Value—Final Estimates 1989-1993.* National Agriculture Statistics Service, U.S. Department of Agriculture. Washington, DC.

USDA (1994a) *Field Crops: Final Estimates, 1987-1992.* Statistical Bulletin Number 896, National Agriculture Statistics Service, U.S. Department of Agriculture. Washington, DC. Available online at http://usda.mannlib.cornell.edu/data-sets/crops/94896/sb896.txt.

USDA (1994b) *Hogs and Pigs—Final Estimates 1988-92*. National Agriculture Statistics Service, U.S. Department of Agriculture. Washington, DC. December 1994. Data also available online at http://www.nass.usda.gov:81/ipedb/.

USDA (1994c) Sheep and Goats—Final Estimates 1989-1993, National Agriculture Statistics Service, U.S. Department of Agriculture. Washington, DC. January 1994.

USDA. (1966) Consumption of Commercial Fertilizers and Primary Plant Nutrients in the United States, 1850-1964 and By States, 1945-1964. Statistical Bulletin Number 375, Statistical Reporting Service, U.S. Department of Agriculture.

USDA. (1957) Fertilizer Used on Crops and Pastures in the United States—1954 Estimates. Statistical Bulletin Number 216, Agricultural Research Service, U.S. Department of Agriculture.

USDA. (1954) Fertilizer Use and Crop Yields in the United States. Agricultural Handbook Number 68, the Fertilizer Work Group, U.S. Department of Agriculture.

USDA. (1946) Fertilizers and Lime in the United States. Miscellaneous Publication Number 586, U.S. Department of Agriculture.

VEMAP (1995) Members (J.M. Melillo, J. Borchers, J. Chaney, H. Fisher, S. Fox, A. Haxeltine, A. Janetos, D.W. Kicklighter, T.G.F. Kittel, A.D. McGuire, R. McKeown, R. Neilson, R. Nemani, D.S. Ojima, T. Painter, Y. Pan, W.J. Parton, L. Pierce, L. Pitelka, C. Prentice, B. Rizzo, N.A. Rosenbloom, S. Running, D.S. Schimel, S. Sitch, T. Smith, I. Woodward). "Vegetation/Ecosystem Modeling and Analysis Project (VEMAP): Comparing Biogeography and Biogeochemistry Models in a Continental-Scale Study of Terrestrial Ecosystem Responses to Climate Change and CO₂ Doubling." *Global Biogeochemical Cycles*, 9:407-437.

Vogelmann, J.E., S.M. Howard, L. Yang, C. R. Larson, B. K. Wylie, and J. N. Van Driel (2001) "Completion of the 1990's National Land Cover Data Set for the conterminous United States." *Photogrammetric Engineering and Remote Sensing*, 67:650-662.

Warren J.A. (1911) *Agriculture in the Central Part of the Semiarid Portion of the Great Plains*. Bulletin Number 215, Bureau of Plant Industry, U.S. Department of Agriculture.

Williams, S.A. (2006) Data compiled for the Consortium for Agricultural Soils Mitigation of Greenhouse Gases (CASMGS) from an unpublished manuscript. Natural Resource Ecology Laboratory, Colorado State University.

Williams-Jacobse, J.G.F.M. (ed.) (2002) *Proceedings 3rd International Symposium Non-CO*₂ *Greenhouse Gase.*, Maastricht, the Netherlands, 185-190.

Wright, P. (2000) Personal Communication. Lee-Ann Tracy, ERG and Peter Wright, Cornell University, College of Agriculture and Life Sciences. June 23, 2000.

Field Burning of Agricultural Residues

Anonymous (2006) Personal communication with Lauren Flinn, ICF International. August 11, 2006.

Barnard, G., and L. Kristoferson (1985) *Agricultural Residues as Fuel in the Third World*. Earthscan Energy Information Programme and the Beijer Institute of the Royal Swedish Academy of Sciences. London, England.

Bollich, P. (2000) Personal Communication. Pat Bollich, Professor with Louisiana State University Agriculture Center and Payton Deeks, ICF International.. May 17, 2000.

California Air Resources Board (2001) *Progress Report on the Phase Down and the 1998-2000 Pause in the Phase Down of Rice Straw Burning in the Sacramento Valley Air Basin*, Proposed 2001 Report to the Legislature. June 2001.

California Air Resources Board (1999) *Progress Report on the Phase Down of Rice Straw Burning in the Sacramento Valley Air Basin*, Proposed 1999 Report to the Legislature. December 1999.

Cantens, G. (2005) Personal Communication. Janet Lewis, Assistant to Gaston Cantens, Vice President of Corporate Relations, Florida Crystals Company and Lauren Flinn, ICF International. July 2005.

Cantens, G. (2004) Personal Communication. Janet Lewis, Assistant to Gaston Cantens, Vice President of Corporate Relations, Florida Crystals Company and Lauren Flinn, ICF International. July 30, 2004.

Cibrowski, P. (1996) Personal Communication. Peter Cibrowski, Minnesota Pollution Control Agency and Heike Mainhardt, ICF Incorporated. July 29, 1996.

Deren, C. (2002) Personal communication Dr. Chris Deren, Everglades Research and Education Centre at the University of Florida and Caren Mintz, ICF International. August 15, 2002.

EPA (1994) International Anthropogenic Methane Emissions: Estimates for 1990, Report to Congress. EPA 230-R-93-010. Office of Policy Planning and Evaluation, U.S. Environmental Protection Agency. Washington, DC.

EPA (1992) Prescribed Burning Background Document and Technical Information Document for Prescribed Burning Best Available Control Measures. Office of Air Quality Planning and Standards, U.S. Environmental Protection Agency. Research Triangle Park, NC. EPA-450/2-92-003.

Fife, L. (1999) Personal Communication. Les Fife, President and General Manager, Fife Environmental and Catherine Leining, ICF International. June 9, 1999.

Gonzalez, R. (2007a) Email correspondence. Rene Gonzalez, Plant Manager, Sem-Chi Rice Company and Sarah Menassian, ICF International. August 29, 2007.

Gonzalez, R. (2007b) Email correspondence. Rene Gonzalez, Plant Manager, Sem-Chi Rice Company and Victoria Thompson, ICF International. August 2007.

Guethle, D. (2007) Email correspondence David Guethle, Agronomy Specialist, Missouri Cooperative Extension Service and Victoria Thompson, ICF International. July 30, 2007.

ILENR (1993) *Illinois Inventory of Greenhouse Gas Emissions and Sinks: 1990*. Office of Research and Planning, Illinois Department of Energy and Natural Resources. Springfield, IL.

IPCC (2006) 2006 IPCC Guidelines for National Greenhouse Gas Inventories. The National Greenhouse Gas Inventories Programme, The Intergovernmental Panel on Climate Change, H.S. Eggleston, L. Buendia, K. Miwa, T Ngara, and K. Tanabe (eds.). Hayama, Kanagawa, Japan.

IPCC (2000) Good Practice Guidance and Uncertainty Management in National Greenhouse Gas Inventories.

Intergovernmental Panel on Climate Change, National Greenhouse Gas Inventories Programme, Montreal, IPCC-XVI/Doc. 10 (1.IV.2000). May 2000.

IPCC/UNEP/OECD/IEA (1997) Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories. Intergovernmental Panel on Climate Change, United Nations Environment Programme, Organization for Economic Co-Operation and Development, International Energy Agency. Paris, France.

Jenkins, B.M., S.Q. Turn, and R.B. Williams (1992) "Atmospheric emissions from agricultural burning in California: determination of burn fractions, distribution factors, and crop specific contributions." *Agriculture, Ecosystems and Environment* 38:313-330.

Ketzis, J. (1999) Personal Communication. Jen Ketzis of Cornell University and Marco Alcaraz, ICF International. June/July 1999.

Kirstein, A. (2004) Personal Communication. Arthur Kirstein, Coordinator, Agricultural Economic Development Program, Palm Beach County Cooperative Extension Service, Florida and Lauren Flinn, ICF International. June 30, 2004.

Kirstein, A. (2003) Personal communication. Arthur Kirstein, Coordinator, Agricultural Economic Development Program, Palm Beach County Cooperative Extension Service, Florida and Caren Mintz, ICF International. August 13, 2003.

Klosterboer, A. (2003) Personal Communication. Arlen Klosterboer, retired Extension Agronomist, Texas A&M University and Caren Mintz, ICF International. July 7, 2003.

Klosterboer, A. (2002) Personal Communication. Arlen Klosterboer, retired Extension Agronomist, Texas A&M University and Caren Mintz, ICF International.. August 19, 2002.

Klosterboer, A. (2001) Personal Communication. Arlen Klosterboer, retired Extension Agronomist, Texas A&M University and Caren Mintz, ICF International. August 6, 2001.

Klosterboer, A. (2000) Personal Communication. Arlen Klosterboer, retired Extension Agronomist, Texas A&M University and Payton Deeks, ICF International. May 18, 2000.

Klosterboer, A. (1999a) Personal Communication. Arlen Klosterboer, retired Extension Agronomist, Texas A&M University and Catherin Leining, ICF International. June 10, 1999.

Klosterboer, A. (1999b) Personal Communication. Arlen Klosterboer, retired Extension Agronomist, Texas A&M University and Payton Deeks, ICF International.. August 12, 1999.

Lancero, J. (2007) Email correspondence. Jeff Lancero, California Air Resources Board and Victoria Thompson, ICF International. July 24, 2007.

Lancero, J. (2006) mail correspondence. Jeff Lancero, California Air Resources Board and Lauren Flinn, ICF International. August 11, 2006.

Lee, D. (2007) Email correspondence. Danny Lee, OK Farm Service Agency and Victoria Thompson, ICF International. July 30, 2007.

Lee, D. (2006) Email correspondence. Danny Lee, OK Farm Service Agency and Lauren Flinn, ICF International. July 13, 2006.

Lee, D. (2005) Email correspondence. Danny Lee, OK Farm Service Agency and Lauren Flinn, ICF International July and September 2005.

Lee, D. (2004) Email correspondence. Danny Lee, OK Farm Service Agency and Lauren Flinn, ICF International. July 23, 2006.

Lee, D. (2003) Personal Communication. Danny Lee, OK Farm Service Agency and Caren Mintz, ICF International. July 2, 2003.

Lindberg, J. (2005) Email correspondence. Jeff Lindberg, California Air Resources Board and Lauren Flinn, ICF International. July 2005.

Lindberg, J. (2004) Email correspondence. Jeff Lindberg, California Air Resources Board and Lauren Flinn, ICF International. June-July 2004.

Lindberg, J. (2003) Email correspondence. Jeff Lindberg, California Air Resources Board and Caren Mintz, ICF International. June-July 2003.

Lindberg, J. (2002) Personal Communication. Jeff Lindberg, California Air Resources Board and Caren Mintz, ICF International September 12-13, 2002.

Linscombe, S. (2007) Personal Communication. Steve Linscombe, Professor with the Rice Research Station at Louisiana State University Agriculture Center and Victoria Thompson, ICF International. July 24, 2007.

Linscombe, S. (2006) Email correspondence. Steve Linscombe, Professor with the Rice Research Station at Louisiana State University Agriculture Center and Lauren Flinn, ICF International. August 15, 2006.

Linscombe, S. (2005) Email correspondence. Steve Linscombe, Professor with the Rice Research Station at Louisiana State University Agriculture Center and Lauren Flinn, ICF International. July 2005.

Linscombe, S. (2004) Personal Communication. Steve Linscombe, Professor with the Rice Research Station at Louisiana State University Agriculture Center and Lauren Flinn, ICF International. June 23, 2004.

Linscombe, S. (2003) Personal Communication. Steve Linscombe, Professor with the Rice Research Station at Louisiana State University Agriculture Center and Caren Mintz, ICF International. June 10, 2003.

Linscombe, S. (2002) Email correspondence. Steve Linscombe, Professor with the Rice Research Station at Louisiana State University Agriculture Center and Caren Mintz, ICF International. August 21, 2002.

Linscombe, S. (2001) Email correspondence. Steve Linscombe, Professor with the Rice Research Station at Louisiana State University Agriculture Center and Caren Mintz, ICF International. July 30 – August 1, 2001.

Linscombe, S. (1999a) Personal Communication. Steve Linscombe, Professor with the Rice Research Station at Louisiana State University Agriculture Center and Catherine Leining, ICF International. June 3, 1999.

Linscombe, S. (1999b) Personal Communication. Steve Linscombe, Professor with the Rice Research Station at Louisiana State University Agriculture Center and Payton Deeks, ICF International. August 9, 1999.

Najita, T. (2001) Personal Communication. Theresa Najita, Air Pollution Specialist, California Air Resources Board and Caren Mintz, ICF International. July 31, 2001.

Najita, T. (2000) Personal Communication. Theresa Najita, Air Pollution Specialist, California Air Resources Board and Payton Deeks, ICF International. August 17, 2000.

Noller, J. (1996) Personal Communication. John Noller, Missouri Department of Natural Resources and Heike Mainhardt, ICF Incorporated. July 30, 1996.

Oregon Department of Energy (1995) Report on Reducing Oregon's Greenhouse Gas Emissions: Appendix D Inventory and Technical Discussion. Oregon Department of Energy. Salem, OR.

Sacramento Valley Basinwide Air Pollution Control Council (2007) *Report on the Conditional Rice Straw Burning Permit Program.* June 1, 2007. Available online at: http://www.bcaqmd.org/default.asp?docpage=html/bcc.htm>.

Sacramento Valley Basinwide Air Pollution Control Council (2005) *Report on the Conditional Rice Straw Burning Permit Program.* May 25, 2005. Available online at http://www.bcaqmd.org/default.asp?docpage=html/bcc.htm>.

Schueneman, T. (2001) Personal Communication. Tom Schueneman, Agricultural Extension Agent, Palm Beach County, FL and Caren Mintz, ICF International. July 30, 2001.

Schueneman, T. (1999a) Personal Communication. Tom Schueneman, Agricultural Extension Agent, Palm Beach County, FL and Catherine Leining, ICF International. June 7, 1999.

Schueneman, T. (1999b) Personal Communication. Tom Schueneman, Agricultural Extension Agent, Palm Beach County, FL and Payton Deeks, ICF International. August 10, 1999.

Schueneman, T.J. and C.W. Deren (2002) "An Overview of the Florida Rice Industry" SS-AGR-77, Agronomy Department, Florida Cooperative Extension Service, Institute of Food and Agricultural Sciences, University of Florida. Revised November 2002.

Stansel, J. (2005) Email correspondence. Dr. Jim Stansel, Resident Director and Professor Emeritus, Texas A&M University Agricultural Research and Extension Center and Lauren Flinn, ICF International. July 2005.

Stansel, J. (2004) Personal Communication. Dr. Jim Stansel, Resident Director and Professor Emeritus, Texas A&M University Agricultural Research and Extension Center and Lauren Flinn, ICF International. July 12, 2004.

Street, J. (2003) Personal Communication. Joe Street, Rice Specialist, Mississippi State University, Delta Research Center and Caren Mintz, ICF International. June 19, 2003.

Street, J. (2002) Personal Communication. Joe Street, Rice Specialist, Mississippi State University, Delta Research Center and Caren Mintz, ICF International. August 19, 2002.

Street, J. (2001) Personal Communication. Joe Street, Rice Specialist, Mississippi State University, Delta Research Center and Caren Mintz, ICF International. August 1, 2001.

Strehler, A., and W. Stützle (1987) "Biomass Residues." In Hall, D.O. and Overend, R.P. (eds.) *Biomass*. John Wiley and Sons, Ltd. Chichester, UK.

Texas Agricultural Experiment Station (2006) 2005 - *Texas Rice Crop Statistics Report*. Agricultural Research and Extension Center, Texas Agricultural Experiment Station, Texas A&M University System, p. 8. Available online at http://beaumont.tamu.edu/eLibrary/TRRFReport_default.htm.

Texas Agricultural Experiment Station (2007) 2006 - Texas Rice Acreage by Variety. Agricultural Research and Extension Center, Texas Agricultural Experiment Station, Texas A&M University System. Available online at http://beaumont.tamu.edu/CropSurvey/CropSurveyReport.aspx>.

Turn, S.Q., B.M. Jenkins, J.C. Chow, L.C. Pritchett, D. Campbell, T. Cahill, and S.A. Whalen (1997) "Elemental characterization of particulate matter emitted from biomass burning: Wind tunnel derived source profiles for herbaceous and wood fuels." *Journal of Geophysical Research* 102(D3):3683-3699.

University of California (1977) *Emission Factors From Burning of Agricultural Waste Collected in California*. University of California, Davis.

USDA (2007) *Crop Production 2006 Summary*, National Agricultural Statistics Service, Agricultural Statistics Board, U.S. Department of Agriculture. Washington, DC. Available online at http://usda.mannlib.cornell.edu.

USDA (2006) *Crop Production 2005 Summary*. National Agricultural Statistics Service, U.S. Department of Agriculture. Available online at http://usda.mannlib.cornell.edu/. Accessed July 2006.

USDA (2005) *Crop Production 2004 Summary*. National Agricultural Statistics Service, U.S. Department of Agriculture. Available online at http://usda.mannlib.cornell.edu/. Accessed June 2005.

USDA (2003) *Field Crops, Final Estimates 1997-2002*. Statistical Bulletin No. 982. National Agricultural Statistics Service, Agricultural Statistics Board, U.S. Department of Agriculture. Washington, DC. Available online at http://usda.mannlib.cornell.edu/usda/reports/general/sb/>. Accessed September 2005.

USDA (1998) *Field Crops, Final Estimates 1992-1997*. Statistical Bulletin No. 947a. National Agricultural Statistics Service, Agricultural Statistics Board, U.S. Department of Agriculture. Washington, DC. Available online at http://usda.mannlib.cornell.edu/usda/reports/general/sb/b9471298.pdf>.

USDA (1994) *Field Crops, Final Estimates 1987-1992*. Statistical Bulletin No. 896. National Agricultural Statistics Service, Agricultural Statistics Board, U.S. Department of Agriculture. Washington, DC. Available online at http://usda.mannlib.cornell.edu/data-sets/crops/94896/sb896.txt.

Walker, T. (2007) Personal Communication. Tim Walker, Assistant Research Professor, Mississippi State University Delta Branch Exp. Station and Victoria Thompson, ICF International. August 15, 2007.

Walker, T. (2006) Personal Communication Tim Walker, Assistant Research Professor, Mississippi State University Delta Branch Exp. Station and Lauren Flinn, ICF International. August 17, 2006.

Walker, T. (2005) Email correspondence. Tim Walker, Assistant Research Professor, Mississippi State University Delta Branch Exp. Station and Lauren Flinn, ICF International. July 2005.

Walker, T. (2004) Personal Communication Tim Walker, Assistant Research Professor, Mississippi State University Delta Branch Exp. Station and Lauren Flinn, ICF International. July 12, 2004.

Wilson, C. (2007) Personal Communication Dr. Chuck Wilson, Rice Specialist at the University of Arkansas Cooperative Extension Service and Victoria Thompson, ICF International. August 22, 2007.

Wilson, C. (2006) Email correspondence. Dr. Chuck Wilson, Rice Specialist at the University of Arkansas Cooperative Extension Service and Lauren Flinn, ICF International. August 8, 2006.

Wilson, C. (2005) Email correspondence. Dr. Chuck Wilson, Rice Specialist at the University of Arkansas Cooperative Extension Service and Lauren Flinn, ICF International. July 2005.

Wilson, C. (2004) Personal Communication Dr. Chuck Wilson, Rice Specialist at the University of Arkansas Cooperative Extension Service and Lauren Flinn, ICF International. June 23, 2004.

Wilson, C. (2003) Personal Communication Dr. Chuck Wilson, Rice Specialist, University of Arkansas Cooperative Extension Service and Caren Mintz, ICF International. June 11, 2003.

Wisconsin Department of Natural Resources (1993) Wisconsin Greenhouse Gas Emissions: Estimates for 1990. Bureau of Air Management, Wisconsin Department of Natural Resources, Madison, WI.

Land Use, Land-Use Change, and Forestry

11-58

IPCC (2003) Good Practice Guidance for Land Use, Land-Use Change, and Forestry. The Intergovernmental

Panel on Climate Change, National Greenhouse Gas Inventories Programme, J. Penman, et al., eds. August 13, 2004. Available online at http://www.ipcc-nggip.iges.or.jp/public/gpglulucf/gpglulucf.htm.

Forest Land Remaining Forest Land: Changes in Forest Carbon Stock

Barlaz, M.A. (1998) "Carbon storage during biodegradation of municipal solid waste components in laboratory-scale landfills." *Global Biogeochemical Cycles* 12 (2):373-380.

Eleazer, W.E., W.S. Odle, III, Y.S. Wang, and M.A. Barlaz (1997) "Biodegradability of municipal solid waste components in laboratory-scale landfills." *Env. Sci. Tech.* 31(3):911-917.

EPA (2006) *Municipal solid waste in the United States: 2005 Facts and figures*. Office of Solid Waste, U.S. Environmental Protection Agency. Washington, DC. (5306P) EPA530-R-06-011. Available online at http://www.epa.gov/msw/msw99.htm.

Freed, R. (2004) Open-dump and Landfill timeline spreadsheet (unpublished). ICF International. Washington, DC.

Melosi, M. (1981) Garbage in The Cities: Refuse Reform and the Environment: 1880-1980. Texas A&M Press.

Melosi, M. (2000) The Sanitary City. Johns Hopkins University Press. Baltimore, MD.

Micales, J.A. and K.E. Skog (1997) "The decomposition of forest products in landfills." *International Biodeterioration & Biodegradation*. 39(2-3):145-158.

AF&PA. 2006a (and earlier). Statistical roundup. (Monthly). Washington, DC: American Forest & Paper Association.

AF&PA. 2006b (and earlier). Statistics of paper, paperboard and wood pulp. Washington, DC: American Forest & Paper Association.

AF&PA. 2001. U.S. Forests Facts and Figures. American Forest & Paper Association, Washington, DC.

Amichev, B. Y. and J. M. Galbraith (2004) "A Revised Methodology for Estimation of Forest Soil Carbon from Spatial Soils and Forest Inventory Data Sets." *Environmental Management* 33(Suppl. 1):S74-S86.

Birdsey, R.A., and L.S. Heath (1995) "Carbon Changes in U.S. Forests." In *Productivity of America's Forests and Climate Change*. Gen. Tech. Rep. RM-271. Rocky Mountain Forest and Range Experiment Station, Forest Service, U.S. Department of Agriculture. Fort Collins, CO, 56-70.

Birdsey, R. (1996) "Carbon Storage for Major Forest Types and Regions in the Conterminous United States." In R.N. Sampson and D. Hair, (eds); *Forest and Global Change, Volume 2: Forest Management Opportunities for Mitigating Carbon Emissions*. American Forests. Washington, DC, 1-26 and 261-379 (appendices 262 and 263).

Birdsey, R., and L. S. Heath (2001) "Forest Inventory Data, Models, and Assumptions for Monitoring Carbon Flux." In *Soil Carbon Sequestration and the Greenhouse Effect*. Soil Science Society of America. Madison, WI, 125-135.

Birdsey, R. A., and G. M. Lewis (2003) "Current and Historical Trends in Use, Management, and Disturbance of U.S. Forestlands." In J. M. Kimble, L. S. Heath, R. A. Birdsey, and R. Lal, editors. *The Potential of U.S. Forest Soils to Sequester Carbon and Mitigate the Greenhouse Effect*. CRC Press, New York, 15-34.

EPA (2006) *Inventory of U. S. Greenhouse Gas Emissions and Sinks: 1990–2004*. EPA, Office of Atmospheric Programs. Washington, DC.

Frayer, W.E., and G.M. Furnival (1999) "Forest Survey Sampling Designs: A History." *Journal of Forestry* 97(12): 4-10.

Gillespie, A.J.R. (1999) "Rationale for a National Annual Forest Inventory Program." *Journal of Forestry* 97(12): 16-20.

Hair. D. and A.H. Ulrich (1963) The Demand and price situation for forest products – 1963. U.S. Department of Agriculture Forest Service, Misc Publication No. 953. Washington, DC.

Hair, D. (1958) "Historical forestry statistics of the United States." Statistical Bull. 228. U.S. Department of Agriculture Forest Service, Washington, DC.

Heath, L. (2007) Email communication between Kim Klunich, EPA, and Linda Heath, U.S. Forest Service. November 9, 2007.

Heath, L.S. (2006a) Email correspondence. Linda Heath, U.S. Department of Agriculture Forest Service and Kimberly Klunich, U.S. Environmental Protection Agency regarding the 95 percent CI for forest area estimates (+/-0.24%) and average carbon density for Lower 48 States (+/-0.4%). October 26, 2006.

Heath, L.S. (2006b) Email correspondence. Linda Heath, U.S. Department of Agriculture Forest Service and Kimberly Klunich, U.S. Environmental Protection Agency regarding the 95 percent CI for average carbon density for Alaska (+/-1.2%). October 27, 2006.

Heath, L.S., J.E., Smith, and R.A. Birdsey (2003) Carbon Trends in U. S. Forestlands: A Context for the Role of Soils in Forest Carbon Sequestration. In J. M. Kimble, L. S. Heath, R. A. Birdsey, and R. Lal, editors. *The Potential of U. S. Forest Soils to Sequester Carbon and Mitigate the Greenhouse Effect*. Lewis Publishers (CRC Press). Boca Raton, FL, 35-45.

Heath, L. S., and J.E. Smith (2000) "Soil Carbon Accounting and Assumptions for Forestry and Forest-related Land Use Change." In *The Impact of Climate Change on America's Forests*. Joyce, L.A., and Birdsey, R.A. Gen. Tech. Rep. RMRS-59. Rocky Mountain Research Station, Forest Service, U.S. Department of Agriculture. Fort Collins, CO, 89-101.

Howard, James L. (2003) *U.S. timber production, trade, consumption, and price statistics 1965 to 2002*. Res. Pap. FPL-RP-615. Madison, WI: USDA, Forest Service, Forest Products Laboratory. Available online at http://www.fpl.fs.fed.us/documnts/fplrp/fplrp615/fplrp615.pdf>.

Howard, James L. (forthcoming) *U.S. timber production, trade, consumption, and price statistics 1965 to 2005*. Res. Pap. FPL-RP-XXX. Madison, WI: USDA, Forest Service, Forest Products Laboratory.

IPCC (2006) 2006 IPCC Guidelines for National Greenhouse Gas Inventories. The National Greenhouse Gas Inventories Programme, The Intergovernmental Panel on Climate Change, H.S. Eggleston, L. Buendia, K. Miwa, T Ngara, and K. Tanabe (eds.). Hayama, Kanagawa, Japan.

IPCC (2003) *Good Practice Guidance for Land Use, Land-Use Change, and Forestry*. The Intergovernmental Panel on Climate Change, National Greenhouse Gas Inventories Programme, J. Penman, et al., eds. August 13, 2004. Available online at http://www.ipcc-nggip.iges.or.jp/public/gpglulucf/gpglulucf.htm.

IPCC/UNEP/OECD/IEA (1997) Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories. Intergovernmental Panel on Climate Change, United Nations Environment Programme, Organization for Economic Co-Operation and Development, International Energy Agency. Paris, France.

Jenkins, J,C., D.C. Chojnacky, L.S. Heath, and R.A. Birdsey (2003) "National-scale biomass estimators for United States tree species." *Forest Science* 49(1):12-35.

Johnson, D. W., and P. S. Curtis (2001) "Effects of Forest Management on Soil C and N Storage: Meta Analysis." *Forest Ecology and Management* 140:227-238.

National Interagency Fire Center (2008) "Fire Information—Wildland Fire Statistics. Total Wildland Fires and Acres (1960-2006)." Available online at http://www.nifc.gov/fire_info/fires_acres.htm March 2008.

National Association of State Foresters (2007a) State Forestry Statistics 1998 Report. Available online at http://www.stateforesters.org/statistics/FY98_Statistics/Resource%20Base.htm March 2008.

National Association of State Foresters (2007b) State Forestry Statistics 2002 Report. Available online at http://www.stateforesters.org/statistics/FY02 Statistics/2002% 20Stat% 20Resource% 20Base.pdf> March 2008.

National Association of State Foresters (2007c) State Forestry Statistics 2004 Report. Available online at http://www.stateforesters.org/statistics/FY04_Statistics/FY2004Statistics.pdf March 2008.

Perry, C.H., C.W. Woodall, and M. Schoeneberger (2005) Inventorying trees in agricultural landscapes: towards an accounting of "working trees". In: "Moving Agroforestry into the Mainstream." *Proc. 9th N. Am. Agroforestry Conf.*, Brooks, K.N. and Ffolliott, P.F. (eds). 12-15 June 2005, Rochester, MN [CD-ROM]. Dept. of Forest Resources, Univ. Minnesota, St. Paul, MN, 12 p. Available online at http://cinram.umn.edu/afta2005/ (verified 23 Sept 2006).

Phillips, D.L., S.L. Brown, P.E. Schroeder, and R.A. Birdsey (2000) "Toward Error Analysis of Large-Scale Forest Carbon Budgets." *Global Ecology and Biogeography* 9:305-313.

Skog, K.E., and G.A. Nicholson (1998) "Carbon Cycling Through Wood Products: The Role of Wood and Paper Products in Carbon Sequestration." *Forest Products Journal* 48:75-83.

Skog, K.E., K. Pingoud, and J.E. Smith (2004) "A method countries can use to estimate changes in carbon stored in harvested wood products and the uncertainty of such estimates." *Environmental Management* 33(Suppl. 1):S65-S73.

Skog, K.E. (In preparation) Sequestration of carbon in harvested wood products for the United States. USDA Forest Service, Forest Products Laboratory. Draft manuscript, July 2007.

Smith, J.E., and L.S. Heath (2002) "A model of forest floor carbon mass for United States forest types." Res. Paper NE-722. USDA Forest Service, Northeastern Research Station, Newtowne Square, PA.

Smith, J. E., L. S. Heath, and J. C. Jenkins (2003) Forest Volume-to-Biomass Models and Estimates of Mass for Live and Standing Dead Trees of U.S. Forests. General Technical Report NE-298, USDA Forest Service, Northeastern Research Station, Newtown Square, PA.

Smith, J. E., L. S. Heath, and P. B. Woodbury (2004 a) "How to estimate forest carbon for large areas from inventory data." *Journal of Forestry* 102:25-31.

Smith, W. B., P. D. Miles, J. S. Vissage, and S. A. Pugh (2004b) *Forest Resources of the United States*, 2002. General Technical Report NC-241, U.S. Department of Agriculture Forest Service, North Central Research Station, St. Paul, MN.

Smith, J.E., L.S. Heath, and M.C. Nichols (2007). U.S. Forest Carbon Calculation Tool User's Guide: Forestland Carbon Stocks and Net Annual Stock Change. General Technical Report NRS-13, U.S. Department of Agriculture Forest Service, Northern Research Station.

Steer, Henry B. (1948) *Lumber production in the United States*. Misc. Pub. 669, U.S. Department of Agriculture Forest Service. Washington, DC.

Ulrich, Alice (1985) *U.S. Timber Production, Trade, Consumption, and Price Statistics 1950-1985*. Misc. Pub. 1453, U.S. Department of Agriculture Forest Service. Washington, DC.

Ulrich, A.H. (1989) *U.S. Timber Production, Trade, Consumption, and Price Statistics, 1950-1987.* USDA Miscellaneous Publication No. 1471, U.S. Department of Agriculture Forest Service. Washington, DC, 77.

USDC Bureau of Census (1976) *Historical Statistics of the United States, Colonial Times to 1970, Vol. 1.* Washington, DC.

USDA Forest Service. (2006a) Forest Inventory and Analysis National Program, FIA library. Available online at http://www.fia.fs.fed.us/library/field-guides-methods-proc/. Accessed September 20, 2006.

USDA Forest Service. (2006b) Forest Inventory and Analysis Data Center. Available online at http://ncrs2.fs.fed.us/4801/fiadb/. Accessed September 20, 2006.

USDA Forest Service. (2006c) FIA Data Mart: Download. Available online at http://www.ncrs2.fs.fed.us/FIADatamart/fiadatamart.aspx. Click on documentation link to download Users Guide to the Forest Inventory Snapshot Database Version 2.1. Accessed September 20, 2006.

USDA Forest Service (1992) "1984-1990 Wildfire Statistics." Prepared by State and Private Forestry Fire and Aviation Management Staff. Facsimile from Helene Cleveland, USDA Forest Service, to ICF International. January 30, 2008.

USDA (1991) *State Soil Geographic (STATSG0) Data Base Data use information*. Miscellaneous Publication Number 1492, National Soil Survey Center, Natural Resources Conservation Service, U.S. Department of Agriculture, Fort Worth, TX.

Woodbury, P.B., Heath, L.S., and Smith, J.E. (2006) "Land Use Change Effects on Forest Carbon Cycling Throughout the Southern United States." *Journal of Environmental Quality*, 35:1348-1363.

Woodbury, P.B., L.S. Heath, and J.E. Smith (2007) Effects of land use change on soil carbon cycling in the conterminous United States from 1900 to 2050, Global Biogeochem. Cycles, 21, GB3006, doi:10.1029/2007GB002950.

Forest Land Remaining Forest Land: N₂O Fluxes from Soils

Binkley, D. (2004) Email correspondence regarding the 95% CI for area estimates of southern pine plantations receiving N fertilizer (±20%) and the rate applied for areas receiving N fertilizer (100 to 200 pounds/acre). Dan Binkley, Department of Forest, Rangeland, and Watershed Stewardship, Colorado State University and Stephen Del Grosso, Natural Resource Ecology Laboratory, Colorado State University. September 19, 2004.

Binkley, D., R. Carter, and H.L. Allen (1995) Nitrogen Fertilization Practices in Forestry. In: *Nitrogen Fertilization in the Environment*, P.E. Bacon (ed.), Marcel Decker, Inc., New York.

IPCC (2006) 2006 IPCC Guidelines for National Greenhouse Gas Inventories. The National Greenhouse Gas Inventories Programme, The Intergovernmental Panel on Climate Change, H.S. Eggleston, L. Buendia, K. Miwa, T. Ngara, and K. Tanabe (eds.). Hayama, Kanagawa, Japan.

North Carolina State Forest Nutrition Cooperative (2002) 31st Annual Report. Available online at http://www.ncsu.edu/ncsfnc. Accessed October 2004.

USDA Forest Service (2001) *U.S. Forest Facts and Historical Trends*. FS-696. U.S. Department of Agriculture Forest Service. Washington, DC. Available online at http://www.fia.fs.fed.us/library/ForestFactsMetric.pdf>.

Cropland Remaining Cropland, Land Converted to Cropland, Grassland Remaining Grassland, and Land Converted to Grassland: Changes in Agricultural Soil Carbon Stocks

Allmaras, R.R., H.H. Schomberg, C.L. Douglas, Jr., and T.H. Dao (2000) "Soil organic carbon sequestration potential of adopting conservation tillage in U.S. croplands." *J Soil Water Conserv* 55:365–373.

Armentano, T.V. and J.T.A. Verhoeven (1990) "Biogeochemical Cycles: Global." In B.C. Patten, et al. (eds.); *Wetlands and Shallow Continental Water Bodies*. SPB Academic Publishing. The Hague, the Netherlands, Vol. I, 281-311.

Brady, N.C. and R.R. Weil (1999) The Nature and Properties of Soils. Prentice Hall. Upper Saddle River, NJ, 881.

CTIC (1998) "1998 Crop Residue Management Executive Summary." Conservation Technology Information Center. West Lafayette, IN.

Daly, C., R.P. Neilson, and D.L. Phillips (1994) "A Statistical-Topographic Model for Mapping Climatological Precipitation Over Mountainous Terrain." *Journal of Applied Meteorology* 33:140-158.

Edmonds, L., R. L. Kellogg, B. Kintzer, L. Knight, C. Lander, J. Lemunyon, D. Meyer, D.C. Moffitt, and J. Schaefer (2003) "Costs associated with development and implementation of Comprehensive Nutrient Management Plans." *Part I—Nutrient management, land treatment, manure and wastewater handling and storage, and recordkeeping.* Natural Resources Conservation Service, U.S. Department of Agriculture. Available online at http://www.nrcs.usda.gov/technical/land/pubs/cnmp1.html>.

EPA (1999) *Biosolids Generation, Use and Disposal in the United States*. Office of Solid Waste, U.S. Environmental Protection Agency. Available online at http://biosolids.policy.net/relatives/18941.PDF>.

EPA (1993) Federal Register. Part II. Standards for the Use and Disposal of Sewage Sludge; Final Rules. U.S. Environmental Protection Agency, 40 CFR Parts 257, 403, and 503.

ERS. (1997) *Cropping Practices Survey Data—1995*. Economic Research Service, United States Department of Agriculture. Available online at http://www.ers.usda.gov/data/archive/93018/>.

Euliss, N., and R. Gleason (2002) Personal communication regarding wetland restoration factor estimates and restoration activity data. Ned Euliss and Robert Gleason of the U.S. Geological Survey, Jamestown, ND, to Stephen Ogle of the National Resource Ecology Laboratory, Fort Collins, CO. August 2002.

FAO (2006) Yearly U.S. Total Horse Population Data from the Food and Agriculture Organization of the United Nations database. Available online at http://faostat.fao.org/. Accessed July 2006.

IPCC (2006) 2006 IPCC Guidelines for National Greenhouse Gas Inventories. The National Greenhouse Gas Inventories Programme, The Intergovernmental Panel on Climate Change, H.S. Eggleston, L. Buendia, K. Miwa, T Ngara, and K. Tanabe (eds.). Hayama, Kanagawa, Japan.

IPCC (2003) *Good Practice Guidance for Land Use, Land-Use Change, and Forestry*. The Intergovernmental Panel on Climate Change, National Greenhouse Gas Inventories Programme, J. Penman, et al., eds. August 13, 2004. Available online at http://www.ipcc-nggip.iges.or.jp/public/gpglulucf/gpglulucf.htm.

IPCC/UNEP/OECD/IEA (1997) Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories. Intergovernmental Panel on Climate Change, United Nations Environment Programme, Organization for Economic Co-Operation and Development, International Energy Agency. Paris, France.

Kellogg, R.L., C.H. Lander, D.C. Moffitt, and N. Gollehon (2000) *Manure Nutrients Relative to the Capacity of Cropland and Pastureland to Assimilate Nutrients: Spatial and Temporal Trends for the United States.* U.S.

Department of Agriculture. Washington, DC. Publication number nps00-0579.

Lange, J. (2000) Personal Communication Lee-Ann Tracy, ERG and John Lange, Agricultural Statistician, U. S. Department of Agriculture, National Agriculture Statistics Service. Washington, DC. May 8, 2000.

Metherell, A.K., L.A. Harding, C.V. Cole, and W.J. Parton (1993) "CENTURY Soil Organic Matter Model Environment." Agroecosystem version 4.0. Technical documentation, GPSR Tech. Report No. 4, USDA/ARS, Ft. Collins, CO.

NASS (2004) *Agricultural Chemical Usage: 2003 Field Crops Summary*. Report AgCh1(04)a. National Agricultural Statistics Service, U.S. Department of Agriculture. Washington, DC. Available online at http://usda.mannlib.cornell.edu/reports/nassr/other/pcu-bb/agcs0504.pdf>.

NASS (1999) *Agricultural Chemical Usage: 1998 Field Crops Summary*. Report AgCH1(99). National Agricultural Statistics Service, U.S. Department of Agriculture. Washington, DC. Available online at http://usda.mannlib.cornell.edu/reports/nassr/other/pcu-bb/agch0599.pdf>.

NASS (1992) *Agricultural Chemical Usage: 1991 Field Crops Summary*. Report AgCh1(92). National Agricultural Statistics Service, U.S. Department of Agriculture. Washington, DC. Available online at http://usda.mannlib.cornell.edu/reports/nassr/other/pcu-bb/agch0392.txt.

NRCS (1999) "Soil Taxonomy: A basic system of soil classification for making and interpreting soil surveys, 2nd Edition." *Agricultural Handbook Number 436*, Natural Resources Conservation Service, U.S. Department of Agriculture. Washington, DC.

NRCS (1997) "National Soil Survey Laboratory Characterization Data," Digital Data, Natural Resources Conservation Service, U.S. Department of Agriculture. Lincoln, NE.

NRCS (1981) "Land Resource Regions and Major Land Resource Areas of the United States," *USDA Agriculture Handbook 296*, United States Department of Agriculture, Natural Resources Conservation Service, National Soil Survey Cente., Lincoln, NE, pp. 156.

Ogle, S., M. Eve, M. Sperrow, F.J. Breidt, and K. Paustian (2002) Agricultural Soil C Emissions, 1990-2001: Documentation to Accompany EPA Inventory Tables. Natural Resources Ecology Laboratory, Fort Collins, CO. Provided in an e-mail from Stephen Ogle, NREL to Barbara Braatz, ICF International. September 23, 2002

Ogle, S.M., M.D. Eve, F.J. Breidt, and K. Paustian (2003) "Uncertainty in estimating land use and management impacts on soil organic carbon storage for U.S. agroecosystems between 1982 and 1997." *Global Change Biology* 9:1521-1542.

Ogle, S.M., F.J. Breidt, and K. Paustian. (2006) "Bias and variance in model results due to spatial scaling of measurements for parameterization in regional assessments." *Global Change Biology* 12:516-523.

Ogle, S.M., F.J. Breidt, M. Easter, S. Williams and K. Paustian. (2007) "Empirically-Based Uncertainty Associated with Modeling Carbon Sequestration Rates in Soils." *Ecological Modeling* 205:453-463.

Parton, W.J., D.S. Schimel, C.V. Cole, D.S. Ojima (1987) "Analysis of factors controlling soil organic matter levels in Great Plains grasslands." *Soil Science Society of America Journal* 51:1173-1179.

Parton, W.J., J.W.B. Stewart, C.V. Cole. (1988) "Dynamics of C, N, P, and S in grassland soils: a model." *Biogeochemistry* 5:109-131.

Parton, W.J., D.S. Ojima, C.V. Cole, and D.S. Schimel (1994) "A General Model for Soil Organic Matter Dynamics: Sensitivity to litter chemistry, texture and management." In *Quantitative Modeling of Soil Forming Processes*. Special Publication 39, Soil Science Society of America, Madison, WI, 147-167.

Potter, C. S., J.T. Randerson, C.B. Fields, P.A. Matson, P.M. Vitousek, H.A. Mooney, and S.A. Klooster. (1993) "Terrestrial ecosystem production: a process model based on global satellite and surface data." *Global Biogeochemical Cycles* **7**:811-841.

Reilly, J.M. and K.O. Fuglie. (1998) "Future yield growth in field crops: What evidence exists?" *Soil Till Res* 47:275–290.

Towery, D. (2001) Personal Communication. Dan Towery regarding adjustments to the CTIC (1998) tillage data to reflect long-term trends, Conservation Technology Information Center, West Lafayette, IN, and Marlen Eve, National Resource Ecology Laboratory, Fort Collins, CO. February 2001.

USDA-FSA (2007) Conservation Reserve Program Summary and Enrollment Statistics FY 2006. U.S. Department of Agriculture, Farm Service Agency. Washington, D.C., Available online at http://www.fsa.usda.gov/Internet/FSA_File/06rpt.pdf.

USDA (2006a) *Cattle*. National Agriculture Statistics Service, U.S. Department of Agriculture. Washington, DC. January 2006. Available online at http://www.nass.usda.gov>.

USDA (2006b) *Cattle on Feed*. National Agriculture Statistics Service, U.S. Department of Agriculture. Washington, DC. April 2006. Available online at http://www.usda.gov/nass/pubs/estindx1.htm.

USDA (2006c) *Chicken and Eggs 2005 Summary*. National Agriculture Statistics Service, U.S. Department of Agriculture. Washington, DC. February 2006. Available online at http://www.nass.usda.gov>.

USDA (2006d) *Poultry - Production and Value 2005 Summary*. National Agriculture Statistics Service, U.S. Department of Agriculture. Washington, DC. April 2006. Available online at http://www.nass.usda.gov>.

USDA (2006e) *Published Estimates Database*. National Agriculture Statistics Service, U.S. Department of Agriculture. Washington, DC. Available online at http://www.nass.usda.gov. Accessed May 2006.

USDA (2005a) *Cattle*. National Agriculture Statistics Service, U.S. Department of Agriculture. Washington, DC. January 28, 2005. Available online at http://www.usda.gov/nass/pubs/estindx1.htm.

USDA (2005b) *Cattle on Feed.* National Agriculture Statistics Service, U.S. Department of Agriculture. Washington, DC. January 21, 2005. Available online at http://www.usda.gov/nass/pubs/estindx1.htm>.

USDA (2005c) *Hogs and Pigs*. National Agriculture Statistics Service, U.S. Department of Agriculture. Washington, DC. March 24, 2005. Available online at http://www.usda.gov/nass/pubs/estindx1.htm.

USDA (2005d) *Chicken and Eggs Annual Summary*. National Agriculture Statistics Service, U.S. Department of Agriculture. Washington, DC. February 2005. Available online at http://www.usda.gov/nass/pubs/estindx1.htm>.

USDA (2005e) *Poultry Production and Value Annual Summary*. National Agriculture Statistics Service, U.S. Department of Agriculture. Washington, DC. April 28, 2005. Available online at http://www.usda.gov/nass/pubs/estindx1.htm.

USDA (2005f) *Sheep and Goats*. National Agriculture Statistics Service, U.S. Department of Agriculture. Washington, DC. January 28, 2005. Available online at http://www.usda.gov/nass/pubs/reportname.htm>.

USDA (2005g) *Census of Agriculture*. National Agriculture Statistics Service, U.S. Department of Agriculture. Washington, DC. Data for 1992, 1997, and 2002 available from http://www.nass.usda.gov/census/ in June 2005.

USDA (2004a) *Cattle—Final Estimates 1999-2003*. National Agriculture Statistics Service, U.S. Department of Agriculture. Washington, DC. April 2004. Available online at

http://usda.mannlib.cornell.edu/reports/general/sb/.

USDA (2004b) *Hogs and Pigs—Final Estimates 1998-2002*. National Agriculture Statistics Service, U.S. Department of Agriculture. Washington, DC. March 2004. Available online at http://usda.mannlib.cornell.edu/reports/general/sb/>.

USDA (2004c) *Chicken and Eggs—Final Estimates 1998-2003*. National Agriculture Statistics Service, U.S. Department of Agriculture. Washington, DC. April 2004. Available online at http://usda.mannlib.cornell.edu/reports/general/sb/>.

USDA (2004d) *Poultry Production and Value—Final Estimates 1998-2002*. National Agriculture Statistics Service, U.S. Department of Agriculture. Washington, DC. April 2004. Available online at http://usda.mannlib.cornell.edu/reports/general/sb/>.

USDA (2004e) *Sheep and Goats—Final Estimates 1999-2003*. National Agriculture Statistics Service, U.S. Department of Agriculture. Washington, DC. April 2004. Available online at http://usda.mannlib.cornell.edu/reports/general/sb/>.

USDA (2000) *Chicken and Eggs—Final Estimates 1988-1993*. National Agriculture Statistics Service, U.S. Department of Agriculture. Washington, DC. Available online at http://usda.mannlib.cornell.edu/data-sets/livestock/95908/sb908.txt. May 3, 2000.

USDA (1999a) *Cattle—Final Estimates 1994-98.* National Agriculture Statistics Service, U.S. Department of Agriculture. Washington, DC. January 1999. Available online at http://www.nass.usda.gov:81/ipedb/.

USDA (1999b) *Poultry Production and Value—Final Estimates 1994-97.* National Agriculture Statistics Service, U.S. Department of Agriculture. Washington, DC. March 1999.

USDA (1999c) *Sheep and Goats—Final Estimates 1994-1998*. National Agriculture Statistics Service, U.S. Department of Agriculture. Washington, DC. January 1999.

USDA (1998a) *Chicken and Eggs—Final Estimates 1994-97.* National Agriculture Statistics Service, U.S. Department of Agriculture. Washington, DC. December 1998.

USDA (1998b) *Hogs and Pigs—Final Estimates 1993-97*. National Agriculture Statistics Service, U.S. Department of Agriculture. Washington, DC. December 1998. Available online at http://www.nass.usda.gov:81/ipedb/.

USDA (1995a) *Cattle—Final Estimates 1989-93*. National Agriculture Statistics Service, U.S. Department of Agriculture. Washington, DC. January 1995. Available online at http://www.nass.usda.gov:81/ipedb/.

USDA (1995b) *Poultry Production and Value—Final Estimates 1989-1993*. National Agriculture Statistics Service, U.S. Department of Agriculture. Washington, DC.

USDA (1994a) *Hogs and Pigs—Final Estimates 1988-92*. National Agriculture Statistics Service, U.S. Department of Agriculture. Washington, DC. December 1994. Available online at http://www.nass.usda.gov:81/ipedb/.

USDA (1994b) *Sheep and Goats—Final Estimates 1989-1993*. National Agriculture Statistics Service, U.S. Department of Agriculture. Washington, DC. January 1994.

USDA-NRCS (2000) *Digital Data And Summary Report: 1997 National Resources Inventory*. Revised December 2000. Resources Inventory Division, Natural Resources Conservation Service, United States Department of Agriculture. Beltsville, MD.

Liming and Urea

AAPFCO (1995 through 2000, 2002 through 2007) *Commercial Fertilizers*. Association of American Plant Food Control Officials. University of Kentucky. Lexington, KY.

AAPFCO (2000) 1999-2000 Commercial Fertilizers Data, ASCII files. Available from David Terry, Secretary, AAPFCO.

IPCC (2006) 2006 IPCC Guidelines for National Greenhouse Gas Inventories. The National Greenhouse Gas Inventories Programme, The Intergovernmental Panel on Climate Change, H.S. Eggleston, L. Buendia, K. Miwa, T. Ngara, and K. Tanabe (eds.). Hayama, Kanagawa, Japan.

IPCC (2003) *Good Practice Guidance for Land Use, Land-Use Change, and Forestry*. The Intergovernmental Panel on Climate Change, National Greenhouse Gas Inventories Programme, J. Penman, et al., eds. August 13, 2004. Available online at http://www.ipcc-nggip.iges.or.jp/public/gpglulucf/gpglulucf.htm.

IPCC/UNEP/OECD/IEA (1997) Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories. Intergovernmental Panel on Climate Change, United Nations Environment Programme, Organization for Economic Co-Operation and Development, International Energy Agency. Paris, France.

Tepordei, V.V. (1997 through 2006) "Crushed Stone," In *Minerals Yearbook*. U.S. Department of the Interior/U.S. Geological Survey. Washington, DC. Available online at http://minerals.usgs.gov/minerals/pubs/commodity/stone crushed/index.html#mis>.

Tepordei, V.V. (1996) "Crushed Stone," In *Minerals Yearbook 1994*. U.S. Department of the Interior/Bureau of Terry, D. (2007) Email correspondence. David Terry, Fertilizer Regulatory program, University of Kentucky and David Berv, ICF International. September 7, 2007.

Mines, Washington, DC. Available online at http://minerals.usgs.gov/minerals/pubs/commodity/stone_crushed/index.html#mis. Accessed August 2000.

Tepordei, V.V. (1995) "Crushed Stone," In *Minerals Yearbook 1993*. U.S. Department of the Interior/Bureau of Mines, Washington, DC. pp. 1107–1147.

Tepordei, V. V. (1994) "Crushed Stone," In *Minerals Yearbook 1992*. U.S. Department of the Interior/Bureau of Mines, Washington, DC. pp. 1279-1303.

Tepordei, V.V. (1993) "Crushed Stone," In *Minerals Yearbook 1991*. U.S. Department of the Interior/Bureau of Mines, Washington, DC. pp. 1469-1511.

TVA (1991 through 1994) Commercial Fertilizers. Tennessee Valley Authority, Muscle Shoals, AL.

USGS (2007) *Mineral Industry Surveys: Crushed Stone and Sand and Gravel in the First Quarter of 2007*. U.S. Geological Survey, Reston, VA. Available online at http://minerals.usgs.gov/minerals/pubs/commodity/stone crushed/index.html#mis>.

USGS (2006) Mineral Industry Surveys: Crushed Stone and Sand and Gravel in the First Quarter of 2006. U.S. Geological Survey, Reston, VA. Available online at

http://minerals.usgs.gov/minerals/pubs/commodity/stone_crushed/index.html#mis>.

West, T.O., and A.C. McBride (2005) "The contribution of agricultural lime to carbon dioxide emissions in the United States: dissolution, transport, and net emissions," *Agricultural Ecosystems & Environment* 108:145-154.

Willett, J.C. (2007) "Crushed Stone," In Minerals Yearbook 2005. U.S. Department of the Interior/U.S. Geological

Survey, Washington, DC. Available online at http://minerals.usgs.gov/minerals/pubs/commodity/stone_crushed/index.html#mis. Accessed August 2007.

Settlements Remaining Settlements: Changes in Carbon Stocks in Urban Trees

Cairns, M.A., S. Brown, E.H. Helmer, and G.A. Baumgardner (1997) "Root Biomass Allocation in the World's Upland Forests." *Oceologia* 111: 1-11.

deVries, R.E. (1987) A Preliminary Investigation of the Growth and Longevity of Trees in Central Park. New Brunswick, NJ: Rutgers University, M.S. thesis.

Dwyer, J.F., D.J. Nowak, M.H. Noble, and S.M Sisinni (2000) *Connecting People with Ecosystems in the 21st Century: An Assessment of Our Nation's Urban Forests*. General Technical Report PNW-GTR-490, U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station. Portland, OR.

Fleming, L.E. (1988) *Growth Estimation of Street Trees in Central New Jersey*. M.S. thesis, Rutgers University. New Brunswick, NJ.

IPCC (2006) 2006 IPCC Guidelines for National Greenhouse Gas Inventories. The National Greenhouse Gas Inventories Programme, The Intergovernmental Panel on Climate Change, H.S. Eggleston, L. Buendia, K. Miwa, T Ngara, and K. Tanabe (eds.). Hayama, Kanagawa, Japan.

Nowak, D.J. (2007a) "New York City's Urban Forest." Newtown Square, PA: USDA Forest Service, Feb 2007.

Nowak, D.J. (2007b) Personal Communication. David Nowak, USDA Forest Service and Susan Asam, ICF International. September 25, 2007.

Nowak, D.J. (2007c) E-mail correspondence regarding revised sequestration values and standard errors for sequestration values. David Nowak, USDA Forest Service to Susan Asam, ICF International. October 31, 2007.

Nowak, D.J. (2002a) E-mail correspondence containing information on possible urban tree carbon and forest carbon overlap. David Nowak, USDA Forest Service to Barbara Braatz, ICF International. January 10, 2002.

Nowak, D.J. (2002b) E-mail correspondence regarding significant digits. David Nowak, USDA Forest Service to Barbara Braatz, ICF International. October 29, 2002.

Nowak, D.J. (1994) "Atmospheric Carbon Dioxide Reduction by Chicago's Urban Forest." In: E.G. McPherson, D.J. Nowak, and R.A. Rowntree (eds.); *Chicago's Urban Forest Ecosystem: Results of the Chicago Urban Forest Climate Project*. U.S. Department of Agriculture Forest Service General Technical Report NE-186. Radnor, PA, 83-94.

Nowak, D.J., (1986) "Silvics of an Urban Tree Species: Norway Maple (*Acer platanoides L.*)." M.S. thesis, College of Environmental Science and Forestry, State University of New York. Syracuse, NY.

Nowak, D.J. and D.E. Crane (2002) "Carbon Storage and Sequestration by Urban Trees in the United States." *Environmental Pollution* 116(3): 381-389.

Nowak, D.J., D.E. Crane, J.C. Stevens, and M. Ibarra (2002) *Brooklyn's Urban Forest*. General Technical Report NE-290, U.S. Department of Agriculture Forest Service. Newtown Square, PA.

Nowak, D.J., M.H. Noble, S.M. Sisinni, and J.F. Dwyer (2001) "Assessing the U.S. Urban Forest Resource." *Journal of Forestry* 99(3):37-42.

Nowak, D.J., J.T. Walton, L.G. Kaya, and J.F. Dwyer (2005) "The Increasing Influence of Urban Environments on U.S. Forest Management." *Journal of Forestry*.

11-68

Smith, W.B. and S.R. Shifley (1984) *Diameter Growth, Survival, and Volume Estimates for Trees in Indiana and Illinois*. Res. Pap. NC-257. North Central Forest Experiment Station, U.S. Department of Agriculture Forest Service. St. Paul, MN.

Settlements Remaining Settlements: N₂O Fluxes from Soils

IPCC (2006) 2006 IPCC Guidelines for National Greenhouse Gas Inventories. The National Greenhouse Gas Inventories Programme, The Intergovernmental Panel on Climate Change, H.S. Eggleston, L. Buendia, K. Miwa, T Ngara, and K. Tanabe (eds.). Hayama, Kanagawa, Japan.

Ruddy B.C., D.L. Lorenz, and D.K. Mueller (2006) *County-level estimates of nutrient inputs to the land surface of the conterminous United States*, 1982-2001. Scientific Investigations Report 2006-5012. US Department of the Interior.

Other: Changes in Yard Trimming and Food Scrap Carbon Stocks in Landfills

Barlaz, M.A. (2008) "Re: Corrections to Previously Published Carbon Storage Factors." Memorandum to Randall Freed, ICF International. February 28, 2008.

Barlaz, M.A. (2005) "Decomposition of Leaves in Simulated Landfill." Letter report to Randall Freed, ICF Consulting. June 29, 2005.

Barlaz, M.A. (1998) "Carbon Storage during Biodegradation of Municipal Solid Waste Components in Laboratory-Scale Landfills." *Global Biogeochemical Cycles* 12: 373-380.

Eleazer, W.E., W.S. Odle, Y. Wang, and M. Barlaz (1997) "Biodegradability of Municipal Solid Waste Components in Laboratory-Scale Landfills" *Environmental Science Technology*, 31: 911-917.

EPA (2006, 2007) *Municipal Solid Waste in the United States: Facts and Figures*. U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response. Washington, DC. Available online at http://www.epa.gov/epaoswer/non-hw/muncpl/msw99.htm.

EPA (2005) *Municipal Solid Waste Generation, Recycling, and Disposal in the United States: Facts and Figures for 2003 Facts and Figures*. U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response. Washington, DC. Available online at http://www.epa.gov/epaoswer/non-hw/muncpl/pubs/msw05rpt.pdf>.

EPA (2005a) *Municipal Solid Waste in the United States: 2003 Data Tables*. U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response, Washington, DC. Available online at http://www.epa.gov/epaoswer/non-hw/muncpl/pubs/03data.pdf>.

EPA (2003) Characterization of Municipal Solid Waste in the United States: 2001 Update. (Draft) U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response. EPA. Washington, DC.

EPA (1999) Characterization of Municipal Solid Waste in the United States: 1998 Update. U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response. Washington, DC.

IPCC (2006) 2006 IPCC Guidelines for National Greenhouse Gas Inventories. The National Greenhouse Gas Inventories Programme, The Intergovernmental Panel on Climate Change, H.S. Eggleston, L. Buendia, K. Miwa, T Ngara, and K. Tanabe (eds.). Hayama, Kanagawa, Japan.

IPCC (2003) *Good Practice Guidance for Land Use, Land-Use Change, and Forestry*. The Intergovernmental Panel on Climate Change, National Greenhouse Gas Inventories Programme, J. Penman, et al., eds. August 13, 2004. Available online at http://www.ipcc-nggip.iges.or.jp/public/gpglulucf/gpglulucf.htm.

Oshins, C., and D. Block (2000) "Feedstock Composition at Composting Sites." Biocycle 41(9):31-34.

Schneider, S. (2007, 2008) Email correspondence. Shelly Schneider, Franklin Associates, A Division of ERG and Sarah Shapiro, ICF International.

Tchobanoglous, G., H. Theisen, and S.A. Vigil (1993) *Integrated Solid Waste Management, 1st edition*. McGraw-Hill, NY. Cited by Barlaz (1998).

Waste

Landfills

40 CFR Part 60, Subpart Cc (2005) Emission Guidelines and Compliance Times for Municipal Solid Waste Landfills, 60.30c--60.36c, Code of Federal Regulations, Title 40. Available online at http://www.access.gpo.gov/nara/cfr/waisidx_05/40cfr60_05.html>.

40 CFR Part 60, Subpart WWW (2005) Standards of Performance for Municipal Solid Waste Landfills, 60.750-60.759, Code of Federal Regulations, Title 40. Available online at http://www.access.gpo.gov/nara/cfr/waisidx_05/40cfr60_05.html.

Bingemer, H. and J. Crutzen (1987) "The Production of Methane from Solid Wastes," *Journal of Geophysical Research*, 92:2181-2187.

BioCycle (2006) "15th Annual BioCycle Nationwide Survey: The State of Garbage in America" By P. Simmons, N. Goldstein, S. Kaufman, N. Goldstein, N. Themelis, and J. Thompson. *BioCycle*. April 2006.

Czepiel, P., B. Mosher, P. Crill, and R. Harriss (1996) "Quantifying the Effect of Oxidation on Landfill Methane Emissions." *Journal of Geophysical Research*, 101(D11):16721-16730.

EIA (2007) Voluntary Greenhouse Gas Reports for EIA Form 1605B (Reporting Year 2005). Available online at <ftp://ftp.eia.doe.gov/pub/oiaf/1605/cdrom/>.

EPA (2007) Landfill Gas-to-Energy Project Database. Landfill Methane and Outreach Program. July 2007.

EPA (2005) *Municipal Solid Waste in the United States: 2003 Facts and Figures.* U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response., Washington, DC. Available online at http://www.epa.gov/epaoswer/non-hw/muncpl/msw99.htm.

EPA (1998) Compilation of Air Pollution Emission Factors, Publication AP-42, Section 2.4 Municipal Solid Waste Landfills. November 1998.

EPA (1993) Anthropogenic Methane Emissions in the United States, Estimates for 1990: Report to Congress, U.S. Environmental Protection Agency, Office of Air and Radiation. Washington, DC. EPA/430-R-93-003. April 1993.

EPA (1988) *National Survey of Solid Waste (Municipal) Landfill Facilities*, U.S. Environmental Protection Agency. Washington, DC. EPA/530-SW-88-011. September 1988.

ERG (2007). Production Data Supplied by ERG for 1990-2006 for Pulp and Paper, Fruits and Vegetables, and Meat. July.

IPCC (2006) 2006 IPCC Guidelines for National Greenhouse Gas Inventories. The National Greenhouse Gas Inventories Programme, The Intergovernmental Panel on Climate Change, H.S. Eggleston, L. Buendia, K. Miwa, T. Ngara, and K. Tanabe (eds.). Hayama, Kanagawa, Japan.

Jensen, J.E.F., and R. Pipatti (2002) "CH₄ Emissions from Solid Waste Disposal." Background paper for the Good Practice Guidance and Uncertainty Management in National Greenhouse Gas Inventories.

Mancinelli, R. and C. McKay (1985) "Methane-Oxidizing Bacteria in Sanitary Landfills." *Proc. First Symposium on Biotechnical Advances in Processing Municipal Wastes for Fuels and Chemicals*, Minneapolis, MN, 437-450. August.

Minz C., R. Feed, and M. Walsh (2003) "Timeline of Anaerobic Land Disposal of Solid Waste." Memorandum to T. Wirth (EPA) and K. Skog (USDA), December 31, 2003.

Peer, R., S. Thorneloe, and D. Epperson (1993) "A Comparison of Methods for Estimating Global Methane Emissions from Landfills." *Chemosphere*, 26(1-4):387-400.

RTI (2004) Documentation for Changes to the Methodology for the Inventory of Methane Emissions from Landfills. September 2004.

Solid Waste Association of North America (SWANA) (1998) *Comparison of Models for Predicting Landfill Methane Recovery*. Publication No. GR-LG 0075. March 1998.

U.S. Bureau of Census (2007) International Data Base. July 2007. Available online at http://www.census.gov/ipc/www/idb/>.

U.S. Department of Agriculture (2003) *U.S. Timber Production, Trade, Consumption, and Price Statistics 1965-2002*. Research Paper FPL-RP-615. Available online at http://permanent.access.gpo.gov/lps5730/1965-2002/fplrp615.pdf#search=%22research%20paper%20fpl-rp-615%22. December

Weitz, K. and M. Bahner (2006) "Methane Emissions for Industrial Landfills." Memorandum to M. Weitz (EPA), September 5, 2006.

Wastewater Treatment

ARCADIS (2004) "Response to ERG Review and New US M&P estimates." Memorandum from M. Doorn, ARCADIS to D. Pape, ICF International and E. Scheehle, U.S. Environmental Protection Agency. August 16, 2004.

Beecher et al. (2007) "A National Biosolids Regulation, Quality, End Use & Disposal Survey, Preliminary Report." Northeast Biosolids and Residuals Association, April 14, 2007.

Donovan (1996) *Siting an Ethanol Plant in the Northeast*. C.T. Donovan Associates, Inc. Report presented to Northeast Regional Biomass Program (NRBP). (April). Available online at http://www.nrbp.org/pdfs/pub09.pdf>. Accessed October 2006.

EIA (2006) U.S. Department of Energy – Energy Information Administration (EIA). Annual Energy Outlook 2006 with Projections to 2030. DOE/EIA-0383(2006). (February). Available online at http://www.eia.doe.gov/oiaf/aeo/gas.html>. Date Accessed: October 2006.

EPA (1974) Development Document for Effluent Limitations Guidelines and New Source Performance Standards for the Apple, Citrus, and Potato Processing Segment of the Canned and Preserved Fruits and Vegetables Point Source Category. Office of Water, U.S. Environmental Protection Agency, Washington, DC, EPA-440/1-74-027-a. March 1974.

EPA (1975) Development Document for Interim Final and Proposed Effluent Limitations Guidelines and New Source Performance Standards for the Fruits, Vegetables, and Specialties Segment of the Canned and Preserved Fruits and Vegetables Point Source Category. United States Environmental Protection Agency, Office of Water. EPA-440/1-75-046. Washington DC, October 1975.

EPA (1992) *Clean Watersheds Needs Survey 1992 – Report to Congress.* Office of Wastewater Management, U.S. Environmental Protection Agency. Washington, DC.

EPA (1993a) Anthropogenic Methane Emissions in the U.S.: Estimates for 1990, Report to Congress. Office of Air and Radiation, U.S. Environmental Protection Agency. Washington, DC. April 1993.

EPA (1993b) Development Document for the Proposed Effluent Limitations Guidelines and Standards for the Pulp, Paper and Paperboard Point Source Category. EPA-821-R-93-019. Office of Water, U.S. Environmental Protection Agency. Washington, DC. October 1993.

EPA (1996) 1996 Clean Water Needs Survey Report to Congress. Assessment of Needs for Publicly Owned Wastewater Treatment Facilities, Correction of Combined Sewer Overflows, and Management of Storm Water and Nonpoint Source Pollution in the United States. Office of Wastewater Management, U.S. Environmental Protection Agency. Washington, DC. Available online at http://www.epa.gov/owm/mtb/cwns/1996rtc/toc.htm. Accessed July 2007.

EPA (1997a) Estimates of Global Greenhouse Gas Emissions from Industrial and Domestic Wastewater Treatment. Office of Policy, Planning, and Evaluation, U.S. Environmental Protection Agency. Washington, DC, EPA-600/R-97-091. September 1997.

EPA (1997b) Supplemental Technical Development Document for Effluent Guidelines and Standards (Subparts B & E). EPA-821-R-97-011. Office of Water, U.S. Environmental Protection Agency. Washington, DC. October 1997.

EPA (1998) "AP-42 Compilation of Air Pollutant Emission Factors." Chapter 2.4, Table 2.4-3, page 2.4-13. Available online at http://www.epa.gov/ttn/chief/ap42/ch02/final/c02s04.pdf.

EPA (1999) *Biosolids Generation, Use and Disposal in the United States*. Office of Solid Waste and Emergency Response, U.S. Environmental Protection Agency. Washington, DC, EPA530-R-99-009. September 1999.

EPA (2000) Clean Watersheds Needs Survey 2000 - Report to Congress. Office of Wastewater Management, U.S. Environmental Protection Agency. Washington, DC. Available online at http://www.epa.gov/owm/mtb/cwns/2000rtc/toc.htm. Accessed July 2007.

EPA (2002) Development Document for the Proposed Effluent Limitations Guidelines and Standards for the Meat and Poultry Products Industry Point Source Category (40 CFR 432). Office of Water, U.S. Environmental Protection Agency. Washington, DC, EPA-821-B-01-007. January 2002.

EPA (2004a) Clean Watersheds Needs Survey 2004 – Report to Congress. U.S. Environmental Protection Agency, Office of Wastewater Management. Washington, DC.

EPA (2004b) *Technical Development Document for the Final Effluent Limitations Guidelines and Standards for the Meat and Poultry Products Point Source Category (40 CFR 432)*. Office of Water, U.S. Environmental Protection Agency. Washington. DC, EPA-821-R-04-011. July 2004.

ERG (2006) Memorandum: Assessment of Greenhouse Gas Emissions from Wastewater Treatment of U.S. Ethanol Production Wastewaters. Prepared for Melissa Weitz, EPA. 10 October 2006.

ESE (1975) Draft Development Document for Effluent Limitations Guidelines and new Source Performance Standards for the Miscellaneous Foods and Beverages Point Source Category. Prepared by Environmental Science and Engineering, Inc. for U.S. EPA. February 1975.

Great Lakes-Upper Mississippi River Board of State and Provincial Public Health and Environmental Managers. (2004) *Recommended Standards for Wastewater Facilities (Ten-State Standards)*.

Holman (2006a) Personal Communication. Steven Williams, Iowa Department of Natural Resources, Wastewater Division, NPDES Permits and Sarah Holman, ERG. "Ethanol Production Facilities – VeraSun Energy Corp.,

NPDES ID No. IA0079227." August 31, 2006.

Holman (2006b) Personal Communication. Kelly Buscher, South Dakota Department of Environment and Natural Resources, Surface Water Discharge Permits and Sarah Holman, ERG. "South Dakota Ethanol Production Facilities – Dakota Ethanol, NPDES ID No. SD0027847." September 1, 2006.

Holman (2006c) Personal Communication. Dr. Joe Ruocco, Phoenix Bio-Systems and Sarah Holman, ERG. "Bio-Methanator Units at Ethanol Production Facilities." September 5, 2006.

Holman (2006d) Personal Communication. Peggi Badten, City of Aberdeen, South Dakota and Sarah Holman, ERG. "South Dakota Ethanol Production Facilities – Heartland Grain Fuels, LP." September 6, 2006.

Holman (2006e) Personal Communication. Ron Ash, Nebraska Department of Environmental Quality, Water Division, NPDES Program and Sarah Holman, ERG. "Nebraska Ethanol Production Facilities – Chief Ethanol, NPDES ID No. NE0114243." September 7, 2006.

Holman (2006f) Personal Communication. Matt Gluckman, U.S. EPA, Region 5, WN-16J and Sarah Holman, ERG. "Region 5 Ethanol Production Facilities – New Energy Corp. and MGPI." September 19, 2006.

Holman (2006g) Personal Communication. Dr. Ann Wilkie, University of Florida, Soil and Water Science Department and Sarah Holman, ERG. "Wastewater stillage from ethanol production facilities." September 20, 2006.

Holman (2006h) Personal Communication. Mike Pring, ERG and Sarah Holman, ERG. "Emissions from ethanol production facilities." September 7, 2006.

IPCC (2006) 2006 IPCC Guidelines for National Greenhouse Gas Inventories. The National Greenhouse Gas Inventories Programme, The Intergovernmental Panel on Climate Change, H.S. Eggleston, L. Buendia, K. Miwa, T. Ngara, and K. Tanabe (eds.). Hayama, Kanagawa, Japan.

LBNL (2003) Lawrence Berkeley National Laboratory (LBNL). Energy Efficiency Improvement and Cost Saving Opportunities for the Corn Wet Milling Industry: An ENERGY STAR® Guide for Energy and Plant Managers. LBNL-52307. July. Available online at http://ies.lbl.gov/iespubs/52307.pdf. Accessed October 2006.

Lockwood-Post (2002) Lockwood-Post's Directory of Pulp, Paper and Allied Trades, Miller-Freeman Publications. San Francisco, CA.

Merrick (1998) Wastewater Treatment Options for the Biomass-to-Ethanol Process. Report presented to National Renewable Energy Laboratory (NREL). Merrick & Company. Subcontract No. AXE-8-18020-01. October 22, 1998.

Metcalf & Eddy, Inc. (2003) Wastewater Engineering: Treatment, Disposal and Reuse, 4th ed. McGraw Hill Publishing.

Metcalf & Eddy, Inc. (1991) Wastewater Engineering: Treatment, Disposal and Reuse, 3rd ed. McGraw Hill Publishing.

Nemerow, N.L. and A. Dasgupta (1991) Industrial and Hazardous Waste Treatment. Van Nostrand Reinhold. NY. ISBN 0-442-31934-7.

NRBP (2001) Northeast Regional Biomass Program. *An Ethanol Production Guidebook for Northeast States*. Washington, D.C. (May 3). Available online at http://www.nrbp.org/pdfs/pub26.pdf>. Accessed October 2006.

Paper 360° (2007) "U.S. production rises slightly in December." March 2007. Available online at <

http://www.thefreelibrary.com/U.S.+production+rises+slightly+in+December.(The+Pulse)-a0161909243>. Accessed June 2007.

PBS (2006) General Project Experience: Anaerobic. Phoenix Bio-Systems. Available online at http://www.pbiosystems.com/experience.htm. Accessed October 2006.

Pulp and Paper (2006) "AF&PA projects more capacity losses this year, small gains in 2007-08." April 2006.

Pulp and Paper (2005) "U.S. paper/board production rises in 2004 to 91.47 million tons." April 2005.

Pulp and Paper (2003-2006) "Month in Statistics." January 2003-June 2006.

Rausch (2006) "The Future of Coproducts from Corn Processing." Applied Biochemistry and Biotechnology. 128: 47-86. Available online at http://www.ag-

bioeng.uiuc.edu/fbe/FBE%20web%20downloads/The%20future%20of%20coproducts%20from%20corn%20proces sing.pdf>. Accessed October, 2006.

Renewable Fuels Association (2006) Historic U.S. Fuel Ethanol Production. Available online at http://www.ethanolrfa.org/industry/statistics/. Accessed June 2007.

Ruocco (2006a) Email correspondence. Dr. Joe Ruocco, Phoenix Bio-Systems to Sarah Holman, ERG. "Capacity of Bio-Methanators (Dry Milling)." October 6, 2006.

Ruocco (2006b) Email correspondence. Dr. Joe Ruocco, Phoenix Bio-Systems to Sarah Holman ,ERG. "Capacity of Bio-Methanators (Wet Milling)." October 16, 2006.

Scheehle, E.A., and Doorn, M.R. (2001) "Improvements to the U.S. Wastewater Methane and Nitrous Oxide Emissions Estimate." July 2001.

U.S. Census Bureau (2007a) International Database. Available online at http://www.census.gov/ipc/www/idb/ and http://www.census.gov/ipc/www/idbprint.html. Accessed July 2007.

U.S. Census Bureau (2007b) "American Housing Survey." Table 1A-4: Selected Equipment and Plumbing--All Housing Units. From 1989, 1991, 1993, 1995, 1997, 1999, 2001, 2003 and 2005 reports. Available online at http://www.census.gov/hhes/www/housing/ahs/nationaldata.html>. Accessed July 2007.

USDA (2007a) National Agricultural Statistics Service. Washington, DC. Available online at http://www.nass.usda.gov/Publications/Ag_Statistics/index.asp and http://www.nass.usda.gov/Data_and_Statistics/Quick_Stats/. Accessed July 2007.

USDA (2007b) Economic Research Service. U.S. Food Supply: Nutrients and Other Food Components, Per Capita Per Day. Washington DC. Available online at

http://www.ers.usda.gov/Data/FoodConsumption/spreadsheets/nutrients07.xls#Totals!a1. Accessed July 2007.

USDA (2005) United States Department of Agriculture (USDA). Office of Energy Policy and New Uses. USDA's 2002 Ethanol Cost-of-Production Survey. Agricultural Economic Report Number 841. July.

USPoultry (2006) Email correspondence. John Starkey, USPOULTRY to D. Bartram, ERG. 30 August 2006.

White and Johnson (2003) White, P.J. and Johnson, L.A. Editors. Corn: Chemistry and Technology. 2nd ed. AACC Monograph Series. American Association of Cereal Chemists. St. Paul, MN.

World Bank (1999) *Pollution Prevention and Abatement Handbook 1998*, Toward Cleaner Production. The International Bank for Reconstruction and Development, The World Bank, Washington, DC. ISBN 0-8213-3638-

Waste Sources of Indirect Greenhouse Gas Emissions

EPA (2008) Air Emissions Trends - Continued Progress Through 2006. U.S. Environmental Protection Agency, Washington, DC. December 19, 2006. Available online at http://www.epa.gov/air/airtrends/index.html>.

EPA (2003) E-mail correspondence containing preliminary ambient air pollutant data. Office of Air Pollution and the Office of Air Quality Planning and Standards, U.S. Environmental Protection Agency (EPA). December 22, 2003.

EPA (1997) *Compilation of Air Pollutant Emission Factors, AP-42*. Office of Air Quality Planning and Standards, U.S. Environmental Protection Agency, Research Triangle Park, NC. October 1997.