**Craig S. Coker**

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(540) 874-5168; craigcoker@comcast.net

**EXPERIENCE:**

**2005- present.** *Coker Composting and Consulting, Troutville, VA.* **Principal.**  A sole proprietorship providing technical and managerial support to private and public organics recycling and composting facilities in planning, permitting, design, construction, and operations and in product marketing and sales. See [www.cokercompost.com](http://www.cokercompost.com) for project descriptions.

**2003- 2005.** *McGill Environmental Systems of NC, Inc., Harrells, NC.* **Chief Engineer.** Provided composting technical support to two 80,000 ton-per-year (tpy) multi-feedstock enclosed aerated static pile solid waste/biosolids composting facilities. Managed planning, permitting, and design of new 130,000 tpy aerated static pile solid waste composting facility in Waverly, VA.

**2001- 2003.** *Mountain Organic Materials, LLC, Asheville, NC.* **Vice President & Operations Manager.** Planning, design, construction and operation of 8,000 tpy aerated bin dairy manure composting operation at 650-head dairy farm. Directed product sales for compost and compost-amended topsoil. Management of wood waste recycling center, including retail and wholesale sales. Development of proprietary aerated composting bin technology.

**1997-2001.**  *NC Dept. of Environment & Natural Resources, Div. Of Pollution Prevention & Env. Assistance, Raleigh, NC.* **Composting Specialist.** Provided technical assistance to solid and animal waste composting industry (source-separated organics collection/transport, facility planning and siting, compost process control and product marketing). Served as technical resource in development of site-specific equipment, technology and operational solutions for existing and planned organics recycling operations.

**1995-1997.** *Front Royal Environmental Services, Inc., Raleigh, NC.* **President.** Directed projects in industrial environmental assessments and compliance; and implementation of industrial air and water pollution control systems and soil and groundwater remediation systems. Licensed North Carolina General Contractor (1996-1997).

**1984-1995.** *Parsons Engineering Science, Inc., Fairfax, VA.* **Senior Associate.** Managed projects in facilities planning, engineering, construction and operation of wastewater treatment and biosolids management facilities (composting, incineration, drying). Managed departments in engineering design, wastewater treatment plant operations, industrial air quality permitting, air emissions testing, and water quality analyses.

**1980-1984.** *Montgomery County, Maryland Department of Environmental Protection, Rockville, MD.* **Senior Environmental Planner**. Worked on two projects in biosolids composting planning, design, construction and operation (Dickerson Interim Composting Facility, WSSC Composting Facility in Calverton, MD); wastewater treatment plant siting (Rock Run AWT); and solid waste management planning (Dickerson Quarry Balefill).

**1975-1980.** *Toups & Loiderman Engineers, Rockville, MD*. **Project Manager**. Managed projects in biosolids composting (siting, facility planning) and environmental assessments/impact statements.

**1974-1975.** *U.S. Environmental Protection Agency, Charlottesville, VA*. **Water Quality Technician.**

**COMPUTER SKILLS**

Microsoft Word, Excel, Access, Publisher, Power Point, Outlook, Visio

AutoCAD 2009

ArcMap GIS 10.0

QuickBooks 2011

**LICENSES, CERTIFICATIONS, & EDUCATION**

**2009.** Virginia Nutrient Management Planner Certificate # 587, expires 2/28/2017

**2007.** Virginia Waste Management Facility Operator License # 4605 002846, expires 8/31/2015

**2004.** *Solid Waste Association of North America.* Certified Compost Systems Manager. Certificate No. 57591

**2001.** *University of Maine Cooperative Extension.* Certificate of Technical Competence in Composting.

**2000.** *University of Georgia.* Completion of Compost Operator Training Course

**1975-1980.** *George Washington University, Washington, DC,* Master of Science candidate in Civil and Environmental Engineering.

**1971-1975**. *University of Virginia, Charlottesville, Virginia*. Bachelor of Arts Degree in Environmental Science.

**PROFESSIONAL AFFILIATIONS & BOARD SEATS**

Virginia Recycling Association, Midlothian, VA –

Member, Board of Directors (2013 - present)

Treasurer (2013-present)

Chairman, Organics Recycling Committee (2007 – present)

Bedford County (VA) Economic Development Authority

Chairman, Board of Directors (2013 - 2014)

Board of Directors (2009 – 2014)

Virginia Composting Council, Vinton VA

Chairman, Board of Directors (2011 - 2014)

U.S. Composting Council, Ronkonkoma, NY –

Board of Directors (2005-2008, 2009 - 2012)

Treasurer (2007 – 2008, 2010-2011)

Chairman, Finance Committee (2007 – 2008, 2009 - 2011)

Chairman, Professional Credentials Committee (2007 – 2010)

Water Environment Federation, Alexandria, VA –

Member, Biosolids Management Committee (2003-2007, 1989-1994)

North Carolina Composting Council, Raleigh, NC –

Member, Board of Directors (1997-2005, 2006-2011)

President (2003-2005)

Carolina Recycling Association, Pittsboro, NC –

Member, Board of Directors (2001-2003)

Solid Waste Association of North America – member

American Biogas Council – member

### PERSONAL

Born Dec. 23, 1953 in Auckland, New Zealand. Naturalized American Citizen. Married

# articles and Publications

“Causes of Eutrophication in the Rivanna River Watershed, Albemarle County, Virginia”, University of Virginia Senior Research Thesis, May 1975

“Bulking Agent Selection in Compost Plant Design”, *Compost Science*, November 1979 (co-authors: T.G. Shea, J.W. Braswell)

“Effect of Advanced Wastewater Treatment Effluent on Golf Course Irrigation Needs and Turfgrass Response”, George Washington University Master’s Thesis (incomplete), Dec., 1980

“Multiple Hearth ReHeat-OXidation Process”, 19th National Conference on Municipal Sewage Treatment Plant Sludge Management, June 1989 (co-authors: T.G. Shea, A. Baturay, and M.J. Brinker). Also published in conference proceedings.

“Dewatering Municipal Sewage Sludge for Incineration”, 62nd Annual Water Pollution Control Federation Conference, October, 1989; also published in *Water Environment and Technology,* Vol. 3, No. 3, March 1991 (co-authors: R.L. Walden, T.G. Shea, and M.J. Brinker)

“Impact of the Ocean Dumping Ban Act”, WPCF Specialty Conference on Residuals Management, August 1991. Also published in conference proceedings.

“Alkaline Stabilization Processes”, WPCF Specialty Conference on Residuals Management, August 1991 (co-authors: L.A. Stone, D.W. Oerke, S.M. Rogowski). Also published in conference proceedings.

“Evaluation of In-Vessel Composting Technologies”, 64th Annual WPCF Conference, October 1991 (co-authors: F. Quinn, L.A. Stone, T.G. Shea). Also published in conference proceedings.

“Co-composting municipal sewage sludge with leaves, yard wastes and other recyclables a case study”, Air & Waste Management Association. 85th Annual Meeting and Exhibition, Kansas City, Missouri, 21-26 June 1992 (co-author: C.A. Howe). Also published in conference proceedings.

“Pathogen Inactivation Using Thermal and Digestion Processes”, 65th Annual Water Environment Federation Conference, October 1992. Also published in conference proceedings.

Water Environment Federation, Beneficial Use Programs for Biosolids Management, 1994 (contributing author)

“Special Events: The Role of Recycling and Composting”, *Resource Recycling*, September, 1999, p. 26 (co-author: S. Childs)

“North Carolina Builds Organics Recycling Infrastructure”, *BioCycle,* Vol. 41, No. 1, January 2000, p. 48

“Food Wastes Composting at the 1999 Special Olympics World Summer Games”, proceedings of the Y2K Composting in the Southeast Conference, October 2000, (co-author: C. Salter)

“Turning Food Scraps Into Feedstock”, *Resource Recycling*, November 2000

“Characterizing the Composting Industry”, *BioCycle,* Vol. 45, No. 12, December 2004, p. 20 (co-author: N. Goldstein)

“Emissions and Air Quality Compliance”, *BioCycle,* Vol. 47, No. 1, January 2006, p. 37

“Composting Grease Trap Wastes”, *BioCycle,* Vol. 47, No. 8, August 2006, p. 27

“Environmental Remediation By Composting”, *BioCycle,* Vol. 47, No. 12, December 2006, p. 18

“What’s New in Grinders”, *BioCycle,* Vol. 48, No. 1, January 2007, p. 24

“Smart Financing”, *BioCycle,* Vol. 48, No. 2, February 2007, p. 23

“Smart Equipment Purchasing and Leasing”, *BioCycle,* Vol. 48, No. 3, March 2007, p. 18

“What’s New in Live Bottom Trailers”, *BioCycle,* Vol. 48, No. 4, April 2007, p. 20

“Turning Waste Into Black Gold”, *2007 Public Works Manual*, May 2007

“Composting Site Remediation Success”, *BioCycle*, Vol. 48, No. 5, May 2007, p. 35

“Smart Operator Training”, *BioCycle*, Vol. 48, No. 6, June 2007, p. 22

“Compost Data Tracking and Analysis”, *BioCycle*, Vol. 48, No. 7, July 2007, p. 26

“What’s New in Baggers & Blenders”, *BioCycle*, Vol. 48, No. 8, August 2007, p. 45

“Smart Equipment Maintenance”, *BioCycle,* Vol. 48, No. 10, November 2007, p. 29

“What’s New in Windrow Turners”, *BioCycle,* Vol. 48, No. 10, November 2007, p. 19

“Compost Storm Water: Is It A Problem?” (Parts 1 – 3), *BioCycle,* Vol. 49, No. 2-4, Feb – May 2008

“Collecting Source-Separated Organic Material”, *BioCycle*, Vol. 50, No. 1, January 2009, p. 23

“Compost Economics”, *On-Farm Composting Handbook, 2nd Edition*, NRAES, in press

“Uncle Sam Buys Green”, *BioCycle*, Vol. 50, No. 3, March 2009, p. 25

“Composting Integrated Into Family Business”, *BioCycle*, Vol. 50, No. 10, October 2009

“GIS Tools to Streamline Organics Diversion”, *BioCycle*, Vol. 51, Nos. 3 & 4, March & April, 2010

“Selecting A Slow-Speed Shredder”, *BioCycle*, Vol. 51, No. 7, July 2010

“Controlling Costs in Compost Manufacturing”, *BioCycle*, Vol. 51, No. 9, September 2010

“Add a Dash of Carbon”, *BioCycle*, Vol. 52, No. 12, December 2011

“Composting Process Optimization”, *BioCycle*, Vol. 53, No. 1, January 2012

“Managing Odors in Organics Recycling”, *BioCycle*, Vol. 53, No. 4, April 2012, p. 25

“Odor Defense Strategy”, *BioCycle*, Vol. 53, No. 5, May 2012, p. 35

“Going on Offense Against Odors”, *BioCycle*, Vol. 53, No. 6, June 2012, p. 25

“Odor Treatment At Composting Facilities”, *BioCycle*, Vol. 53, No. 8, August 2012, p. 21

“Resolving Odor Challenges”, *BioCycle*, Vol. 53, No. 11, November 2012, p. 22

“Design Considerations in ASP Composting”, *BioCycle*, Vol. 54, No. 1, January 2013, p.30

“Pipe and Blower Fan Fundamentals in ASP Design”, *BioCycle*, Vol. 54, No. 2, February 2013, p.24

“Design Considerations in Covered Aerated Static Pile Composting”, *BioCycle*, Vol. 54, No. 5, May 2013, p.21

“Odor Dispersion Fundamentals”, *BioCycle*, Vol. 54, No. 6, June 2013, p.26

“The Art and Science of Odor Modeling”, *BioCycle*, Vol. 54, No. 7, July 2013, p.43

“Composters Defend Against Persistent Herbicides”, *BioCycle*, Vol. 54, No. 8, August 2013, p. 21

“Odor Monitoring and Detection Tools”, *BioCycle*, Vol. 54, No. 10, October 2013, p. 16

“Testing for Persistent Herbicides in Compost and Feedstocks”, *BioCycle*, Vol. 55, No. 1, January 2014, p. 21

“Composting vs. Anaerobic Digestion: Comparing Biological Systems”, *BioCycle*, Vol. 55, No. 4, April, 2014, p.32

“Contaminant Removal Strategies”, *BioCycle*, Vol. 55, No. 6, June 2014, p. 46

“Organics Recycling Facility Siting”, *BioCycle,* Vol. 55, No. 8, August 2014, p. 29

“Coping with Persistent Herbicides in Composting Feedstocks”, *BioCycle*, Vol. 56, No. 1, Jan. 2015, p. 44

Persistent Herbicide Fact Sheets, U.S. Composting Council, March 2015

“Food Scraps Diversion Feasibility in a Small City”, *BioCycle*, Vol. 56, No. 3, Mar/Apr 2015, p. 67

"Calculating Costs for Organics Processing", *BioCycle*, Vol. 56, No. 4, May 2015, p. 25

“Strategic Partnering for Composting Facility Growth”, *BioCycle*, Vol. 56, No. 7, July 2015, p. 19

“Economic Tool to Evaluate Organics Recycling Options”, *BioCycle*, Vol. 56, No. 11, Dec. 2015, p. 24

“Volume-Based Measuring at Composting Facilities”, *BioCycle*, Vol. 57, No. 1, Jan. 2016, p. 24

“Weighting Factors in Organics Recycling Facility Development”, *BioCycle*, Vol. 57, No. 1, Jan. 2016, p. 45

"Controlling Composting Odors", *BioCycle*, Vol. 57, No. 2, February 2016, p. 14

"Opportunities and Challenges with University CoDigestion Facility", *BioCycle*, Vol. 57, No. 2, February 2016, p. 30

"Tackling Contamination in Food Scraps Stream", *BioCycle*, Vol. 57, No. 3, Mar/Apr 2016, p. 29

"Compost Bioassay Tests Show Persistent Herbicide Impact", *BioCycle*, Vol. 57, No. 3, Mar/Apr 2016, p. 53

“Health and Safety Planning in Anaerobic Digestion”, *BioCycle*, Vol. 57, No. 4, May 2016, p. 51