

## **Steven A. Rock, Environmental Engineer in EPA's National Risk Management Research Laboratory**

Water Systems Division

[Mailing Address](#)

[rock.steven@epa.gov](mailto:rock.steven@epa.gov)

### **Areas of Expertise:**

- Phytotechnologies- phytoremediation and evapotranspiration landfill covers
- Urban agriculture in terms of plant uptake of soil contaminants and dust exposure.
- Food waste reduction through conservation and food recovery programs, beneficial reuse of organics via animal feeding, composting, and anaerobic digestion.
- Technology transfer, including organizing and teaching workshops, and providing technical support and assistance to regions and states.

### **Select Publications:**

Cosper, S., D. Gilbert, I. MacAllister, M. Rahman, A. Urban, G. Rodriguez, J. Ricketts, S. **Rock**, and Alex Lan. [Feasibility Study of Food Waste Co-Digestion at U.S. Army Installations](#). US Army Corps of Engineers, Washington, DC, (2017).

**Rock**, S. and A. Lan. [Organic Waste Diversion in Columbia, South Carolina, Feasibility Study](#). U.S. Environmental Protection Agency, Washington, DC, EPA/600/R-17/337, (2017).

Ely, C. and S. **Rock**. [Food Waste to Energy: How Six Water Resource Recovery Facilities are Boosting Biogas Production and the Bottom Line](#). U.S. Environmental Protection Agency, Washington, DC, EPA/600/R-14/240, (2015).

Henry, Heather F., Burken, Joel G., Maier, Raina M., Newman, Lee A., **Rock**, Steven, Schnoor, Jerald L. and Suk, William A. [Phytotechnologies Preventing Exposures, Improving Public Health](#). *International Journal of Phytoremediation* Vol. 15 Issue 9 pp 889-899 (2013).

**Rock**, Steve, Myers, Bill and Fiedler, Linda. [Evapotranspiration \(ET\) Covers](#). *International Journal of Phytoremediation* Vol. 14 pp 1-25 (2012).

Govindaswamy, Shekar, Schupp, Donald A. and **Rock**, Steven A. [Batch and Continuous Removal of Arsenic Using Hyacinth Roots](#). *International Journal of Phytoremediation* Vol. 13, Issue 6, pp 513-527 (2011).

View more research publications by [Steven Rock](#) and [Steven A. Rock](#)

### **Education:**

- M.S., University of Cincinnati, College of Engineering, Cincinnati, OH; Department of Civil and Environmental Engineering, 1993
- B.A., The Evergreen State College, Olympia, Washington; Energy Systems, 1982

- University of Denver, Denver, Colorado; Political Economics, 1979

### **Professional Experience:**

#### Workgroup and Project Leads

- Assessed and awarded grants for the Superfund Innovative Technology Evaluation program applicants
- Co-chaired the Remediation Technology Development Forum on Phytotechnologies on soil clean-up, groundwater plume control, and evapotranspiration covers
- Managed Alternative Cover Assessment Program (ACAP)

#### Committees and Affiliations

- Associate Editor of the International Journal of Phytoremediation
- Founding member and treasurer of the International Phytotechnology Society
- Board Member for Hazardous Substance Research Centers at Kansas State University and Purdue University
- Review Board for Integrated Petroleum Environmental Consortium (IPEC) based at Oklahoma State University, University of Arkansas, and the University of Tulsa.

#### Awards and Honors

- EPA ORD Bronze Medals for Commendable Service, 2015
- CMC Difference Makers, 2015
- CCTST Community Health Advocate Award, 2014
- Office of Research and Development Communication Award, 2008
- NRMRL Science Integration Award, 2007
- EPA Scientific and Technological Achievement Award (STAA) Level III and Honorable Mention, 2005
- EPA ORD Bronze Medals for Commendable Service, 1999, 2000, 2001