*Environmental Practice* is an Englishlanguage journal published quarterly by the National Association of Environmental Professionals. It serves an international audience of environmental professionals in practice and research. *Environmental Practice* is peer reviewed and accepts original manuscripts that have not previously been published in whole or in part in a peerreviewed journal or in a widely available publication, either print or electronic. The general philosophy of the journal is outlined in the Mission Statement, which is reproduced in full after the Table of Contents in each issue.

Priority for publication is given to manuscripts that offer clear, insightful views on an environmental problem from an interdisciplinary perspective. *Environmental Practice* seeks especially to publish studies that link data and findings in science and technology with issues of public policy, health, environmental quality, law, political economy, management. Because the readership of *Environmental Practice* is very broadly based, manuscripts should not be burdened by extensive, unexplained, technical language familiar only to a small group of specialists.

Manuscripts are accepted throughout the year.

## Kinds of Manuscripts Sought

*Environmental Practice* publishes several categories of manuscripts as described below. Two of these categories, Research Articles, and Environmental Reviews and Case Studies, are peer reviewed.

**Research Articles:** manuscripts that report the results of systematic study on an environmental problem. Typically, research articles will (a) report the results of formal research or (b) summarize systematic analysis of one or more case studies of particular interest. Environmental professionals in academic or research lab-

oratory settings may be more likely to submit formal research manuscripts. Professionals in consulting practice, agencies, or other organizations may be more likely to submit manuscripts based on case studies. Under most circumstances, Research Articles will not be over 5000 words of text. Most will be substantially shorter. Tables, figures, and reference lists need not be included in the word count. All Research Articles are peer reviewed.

### Environmental Reviews and Case Stud-

ies: manuscripts that organize and summarize a research literature similar to a meta-analysis. These manuscripts help clarify a problem, illustrate policy-making processes, or assist in pointing out discrepancies in the research of the topic over time, with greater emphasis placed on the details of a project than on data analysis. Case study oriented manuscripts provide readers with a unique insight on a development in the professional field using a case as an example or illustration; simple project reports will not be accepted. Environmental Reviews and Case Studies will generally be about 6000 words of text. Tables, figures, and reference lists need not be included in the word count. All Environmental Reviews and Case Studies are peer reviewed.

**Reviews:** manuscripts that portray the content, quality, and significance of books or films of wide interest to environmental professionals and their practices. Reviews should normally not exceed 750 words, but with the approval of the editor may reach 1500 words.

**Perspectives from the Field:** statements of informed opinion intended to provoke discussion and debate on particular issues. These manuscripts will generally range from 500 to 1000 words. Such manuscripts will not be subject to peer review, because they are personal opinion; however, the editor may seek advice on matters of tone and fairness.

**Dialogue:** responses to other manuscripts or controversies within the professional or academic discipline. These manuscripts will generally range from 50 to 500 words, and take the form of a letter to the editor. Dialogues will not be peer reviewed, but they may be used to solicit responses from others for simultaneous publication.

The editors welcome inquiries about manuscript ideas. You may also contact the editors to request exceptions to the word count limits given above. Contact information can be found at the end of these instructions.

# Manuscript Preparation and Submission

1. Membership in the National Association of Environmental Professionals is not a requirement for publication in *Environmental Practice*.

2. Only electronic submittals will be accepted. Authors should either send via email their work to the managing editor listed at the end of these instructions. Please indicate in your electronic submittal which section the work should be considered under: Research Articles, Environmental Reviews and Case Studies, Reviews, Perspectives from the Field, or Dialogue. Also, in email, please put in the subject line, Environmental Practice Submittal. All manuscripts will be accepted in Word or Excel software.

3. Manuscripts should be organized as follows:

**Cover sheet:** Attach a cover sheet including manuscript title, author name(s); title or position; institutional affiliation; corresponding author address, telephone number, fax number, and e-mail address. All pages should be numbered, with the cover sheet as page 1. To facilitate blind peer reviews, author names and affiliations should appear *only* on the cover sheet. **Acknowledgments:** Place on a separate sheet, located after the cover sheet. The study sponsors, if any, should be included in the acknowledgments.

**Abstract:** Research Articles, Environmental Reviews and Case Studies should be accompanied by an abstract of no more than 225 words on a separate sheet. Abstracts should be a stand-alone summary of the manuscript's central findings and argument, not an overview of the manuscript's outline. The title of the manuscript should appear at the top of the abstract page.

**Text:** Research Articles and Environmental Reviews and Case Studies will typically have separate sections for Introduction, Methods, Results, Discussion, and Conclusions. In all cases, use appropriate section headings to help guide the reader.

All text, including references, tables, legends, and quotations, should be typed, double-spaced, on one side of white paper with margins of at least one inch on all sides and without right-hand justification.

**Documentation and references:** Authors may use either author-date notation or endnotes.

**Author-date notation** is widely used in the natural and social sciences. References are cited in text like so: "Smith (1990) showed..." or "as seen elsewhere (Smith, 1990)." References cited in text are listed alphabetically in a References section at the end of the manuscript. The following examples illustrate an appropriate style for most kinds of documents listed in the References section:

### Article in journal

Author, A.B., and C.D. Author. 1997. Title of Article. *Name of Journal* Volume(Issue): starting page number-ending page number.

### Article or chapter in book

Author, A.B., C.D. Author, and E.F. Author. 2000. Title of Article or Chapter. In *Title of Book*, G.H. Editor and I.J. Editor, eds., 4th edition. Publisher, Place of Publication, starting page number-ending page number.

### Book

Author, A.B., and C.D. Author. 2001. *Title of Book*. Publisher, Place of Publication, total pages in book.

### Edited book

Editor, A.B., and C.D. Editor, eds. 1999. *Title of Book*. Publisher, Place of Publication, total pages in book.

*Dissertation or thesis* Author, A.B. 1998. *Title*, (PhD Dissertation) OR (Master's Thesis). University, City, State, total pages in document.

*Reports by author* Author, A.B. 1993. *Title of report*. Report Number, Agency, City, State, total pages in report.

### Reports by agency

Name of agency. 1995. *Title of report*. Report Number, City, State, total pages in report.

Personal communication (e.g. letter, telephone, e-mail, interview) Person, A.B. 1999. Personal communication. Person's title or position, Person's agency or organization, City, State. Day-Month.

#### Web sites

Name of Site/Subsection of Site. Year posted on site. *Title of subsection*. URL address of site. Day-Month-Year of access to site.

Endnotes consist of a superscript number in the text and a corresponding, numbered list of citations placed at the end of the text. This method of documentation is frequently used in historical, legal, or humanistic writing, and it is useful for citations that must contain more than one reference. Endnotes with more than one reference should be separated by semi-colons. Avoid, if possible, the use of endnotes simply to further explain the text rather than to provide documentation. Subsequent references to a source should give the last name of the author(s), shortened title, and relevant page(s). Do not use op. cit., ibid, idem, infra, or supra. See The Chicago Manual of Style for details not addressed here. The following examples illustrate proper style for endnotes:

### Article in journal

A.B. Author and C.D. Author, 2000, "Title of Article," *Name of Journal* Volume (Issue):starting page number-ending page number.

### Article or chapter in book

A.B. Author, C.D. Author, and E.F. Author, 1998, "Title of Article or Chapter," in *Title of Book*, G.H. Editor and I.J. Editor, eds., 4th edition, Publisher, Place of Publication, starting page number-ending page number.

### Book

A.B. Author and C.D. Author, 1999, *Title of Book*, Publisher, Place of Publication, total pages in book.

### Edited book

A.B. Editor and C.D. Editor, eds., 2001, *Title of Book*, Publisher, Place of Publication, total pages in book.

4. Authors are strongly encouraged to illustrate their work with tables, figures, maps, and photographs. Authors should submit any figures in electronic form, preferably TIF (line drawings should be at least 600 ppi; halftone or gray-scale figures should be at least 300 ppi) or EPS (with fonts embedded) format. Color figures must be at least 300 ppi CMYK, although authors will be charged for the production cost of printing any four-color figures (a color figure costs \$1000; additional color figures in the same article will cost somewhat less). Provide figure captions together on a separate page. Tables (in Word or Excel that the editorial office will be able to manipulate for formatting purposes) should not duplicate data also provided in figures or in the text. For tables of data that might be of value only to a few readers, authors should consider indicating that the data is available on request from the author. Table and figure captions/legends should make them understandable without reference to the text. Tables and figures must be referred to in the text.

5. This journal resists the use of acronyms and other forms of abbreviation. As a general rule, an acronym is appropriate only (a) if it is used frequently in a portion or all of a manuscript or (b) if the acronym itself has entered common usage in everyday conversation (e.g., "USEPA" for "United States Environmental Protection Agency"). The use of more than two different acronyms in one manuscript is unlikely to be acceptable.

6. Use the International System of Units (SI) or metric units. If necessary for clarity or common usage, other units may be included in parentheses immediately following the acceptable units.

7. Environmental Practice uses a doubleblind peer review process. The reviewer will not know the identity or location of the author(s), and the author(s) will receive reviewer's comments without the reviewer's identity or location. Authors are invited to submit names of appropriate reviewers, but the final choice of reviewers lies with the editor. Authors will be notified of the disposition of their manuscript as soon as possible. The goal of this journal is to have a decision to the author(s) within 90 days of receipt of manuscript.

8. Upon acceptance of manuscripts, authors will be requested to send the editorial office an electronic version of the manuscript. Please contact the editorial office for exceptions: an author's access to computing equipment will not be a factor in the publication of a manuscript.

9. The final version of the manuscript should include a short biographical sketch of each author (150 words or less per author).

10. All authors must sign the "Transfer of Copyright Agreement" and a disclosure of commercial interests before the manuscript can be published. The Transfer Agreement enables the National Association of Environmental Professionals to protect the copyrighted material for the authors, but authors do not thereby relinquish proprietary rights or rights to use their work in the future. The copyright transfer covers the exclusive rights to reproduce and distribute the manuscript, including reprints, photographic reproduction, microfilm, electronic versions, and all other reproduction methods, plus translations into languages other than English.

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13. Authors will receive a reprint order form when they are sent page proofs. A PDF of the article will be provided free of charge to the lead author. If additional reprints are desired, the completed form along with payment must be returned to the publisher at the same time page proofs are returned.

Revised February 2010

**Electronic Submission Required** (See "Manuscript Preparation and Submission" above)

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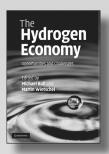
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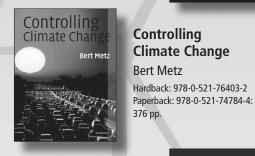
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8:00 am – 5:00 pm	Tuesday, April 27   Full Day Training – Improving the NEPA Processes Full Day Training – Section 4(f), Section 106, & NEPA					
3:00 pm – 5:00 pm		Beginning Environment				
5:00 pm – 7:00 pm						
6:00 pm - 9:00 pm	Job Fair and Networking Mixer, with exhibits Board of Directors meeting					
0.00 pm 0.00 pm	Wednesday, April 28					
7:00 am – 7:45 am	Chapters Committee					
8:00 am - 9:15 am		Welcome, Kramer Award, Key	note Horst Greczmiel, CEQ			
9:45 am – 11:15 am	Session #1 Session #2 Session #3 Session #4   Economic Stimulus & NEPA Section 106 & 4(f) The Expanding Role of the EPA Stream Restoration   #4 #28, 136, 6 #120 #23, 36, 117		ABCEF BOD			
11:45 am – 1:15 pm		Condra, Jacoby Development Group,				
1:45 pm – 3:15 pm	Session #5 NEPA Legal & Policy Update #55, 134, 90,10	Session #6 Involving the Public & Agencies in Environmental. Streamlining #110	Session #7 Brownfields #50, 37, 86, 129A	Session #8 Water Quality Regulations & NEPA #31	ABCEF	
3:30 pm – 5:00 pm	Session #9 Why NEPA is Not Inherently Self- Defeating #5	Session #10 Transportation & NEPA #64, 17, 44, 45	Session #11 Technology Applications in Environmental Management #67, 16, 102	Session #12 Update on Nuclear Power Renaissance #58	- CRB	
6:00 pm – 9:00 pm	President's Dinner, Georgia Aquarium					
		Thursday,	April 29			
7:00 am – 7:45 am	Permanent Conf committee	Ctate of Louisiana Office of Coastal	Activities and Environmental Eventle	nee Awerde		
8:00 am – 9:15 am		s, State of Louisiana Office of Coastal Session #14	Session #15			
9:45 am –11:15 am	Session #13 Improving NEPA Implementation #59, 111, 29	Engaging & Utilizing the Public Voice in NEPA #8, 49, 72, 126A	Implementing Environmental Policy #39, 2, 71, 3	Session #16 Coastal Restoration #103		
11:45 am – 1:15 pm		Mark McDonald, Georgia Trust, and I				
1:45 pm – 3:15 pm	Session #17 Improving NEPA Public Participation #38, 27, 76, 122A	Session #18 Education #118, 119, 68, 123A	Session #19 Technology & Environmental Conflict Resolution #93	Session #20 NOAA in the 21st Century #101		
3:30 pm – 5:00 pm	Session #21 Improving NEPA Effectiveness #95, 73, 116, 22	Session #22 Linking Transportation Planning & Environmental Analysis #26	Session #23 Looking to Sustainable Mgmt. And Mitigation #41, 63, 53, 106	Session #24 Innovation in Water Quality Monitoring & Treatment #80, 21, 109		
5:00 pm – 6:00 pm	NEPA Working Group	Committee/Working Group	Committee/Working Group	Committee/Working Group		
7:00 pm – 9:00 pm		Board of Direct	ors meeting			
		Friday, A	pril 30			
8:00 am – 9:30 am	Session #25 NEPA Tools, Analysis & Methodologies #14, 82, 13, 60	Session #26 Climate Change Assessments #46, 62, 91, 99	Session #27 Studies of Mitigation Across Boundaries #115, 30	Session #28 Stream Mitigation Banking #78		
9:45 am – 11:15 am	Session #29 Agency NEPA Process Improvement #112, 114, 81, 100	Session #30 Transportation & Climate A/GHS #40, 43, 48	Session #31 Funding Renewable Energy #88	Session #32 Technical Applications for Water Resource Mgmt # 11, 12, 79, 96		
11:45 pm – 1:00 pm	NAEP Memb	ership Meeting (open to everyone), Z		ce Awards		
1:15 pm – 2:45 pm	Session #33 The Evolution & Future of NEPA Documents #75	Session #34 Energy #83, 108, 113	Session #35 Addressing Sustainability in Small & Rural Communities #66	Session #36 Water Quality & Drought Mgmt Planning #52		
3:15 pm – 4:45 pm	Session #37 Logical Termini & NEPA in Transportation Projects #70	Session 38 Climate Change Planning at the Local Level #47	Session #39 Beyond Form Based: Ecological Design Based Dev. Codes #42	Session #40 Wetlands/Streams Restoration & Compensatory Mitigation #1, 24, 87, 92		
6:00 pm - 8:00 pm		Board of Direct	ors meeting			
		Saturday,	5			

# Preliminary 2010 Conference-at-a-Glance (subject to change)



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Full Conference	\$495	\$545	\$595	\$595	\$645	\$695
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Tours	See below	See below	See below	See below	See below	See below
Full day training	\$250	\$275	\$300	\$350	\$375	\$400
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Cancellation Policy: Cancellations received in writing before March 1<sup>st</sup> will be refunded in total less a \$100 processing fee. Cancellations received after March 1st and before April 5th will be refunded at 50% of the total paid. Cancellations received on or after April 5th will receive no refund. With prior notification, you may substitute a different name for your registration.

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Tuesday training class (indicate your choice below)	
Extra lunch tickets - \$45 each (please indicate how many and which day) Wed Thur Fri	
Extra tickets for the Job Fair and Networking reception - \$45 each (please indicate how many)Tue	
Extra tickets for the Georgia Aquarium & President's dinner - \$90 each (please indicate how many)Wed	

## Training classes Tuesday April 27 (both are Full Day)

 $\Box$  Improving the NEPA Process (8 am – 5 pm)

Tours Saturday May 1 8AM - 8 PM

□ #1 \$75 Blue Ridge Scenic Railway (lunch on your own)

Total Submitted

 $\Box$  Section 4(f), Section 106, and NEPA (8 am - 5 pm)

□ #2 \$90 Ocoee River Whitewater Rafting (includes lunch)

\$

□ Opt out of email. Our exhibitors and sponsors cover approximately 50% of the costs of the conference, which allows us to keep the registration costs low. In return we give them limited access to attendee's email addresses. If you do not want to be included, please check here, but realize if too many chose to opt out, it will be necessary to raise registration rates.

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# National Association of Environmental Professionals Code of Ethics and Standards of Practice For Environmental Professionals

The objectives of Environmental Professionals are to conduct their personal and professional lives and activities in an ethical manner. Honesty, justice and courtesy form moral philosophy which, associated with a mutual interest among people, constitute the foundation of ethics. Environmental Professionals should recognize such a standard, not in passive observance, but as a set of dynamic principles guiding their conduct and way of life. It is their duty to practice their profession according to this Code of Ethics.

As the keystone of professional conduct is integrity, Environmental Professionals will discharge their duties with fidelity to the public, their employers, clients, and with fairness and impartiality to all. It is their duty to interest themselves in public welfare, and to be ready to apply their special knowledge for the benefit of mankind and their environment.

# Creed

The objectives of an Environmental Professional are:

- 1. to recognize and attempt to reconcile societal and individual human needs with responsibility for physical, natural, and cultural systems.
- 2. to promote and develop policies, plans, activities, and projects that achieve complementary and mutual support between natural and man-made, and present and future components of the physical, natural and cultural environment.

# Ethics

As an Environmental Professional I will:

- 1. be personally responsible for the validity of all data collected, analyses performed, or plans developed by me or under my direction. I will be responsible and ethical in my professional activities.
- 2. encourage research, planning, design, management and review of activities in a scientifically and technically objective manner. I will incorporate the best principles of the environmental sciences for the mitigation of environmental harm and enhancement of environmental quality.
- 3. not condone misrepresentation of work I have performed or that was performed under my direction.
- 4. examine all of my relationships or actions that could be legitimately interpreted as a conflict of interest by clients, officials, the public or peers. In any instance where I have a financial or personal interest in the activities with which they are directly or indirectly involved, I will make a full disclosure of that interest to my employer, client, or other affected parties.
- 5. not engage in conduct involving dishonesty, fraud, deceit, or misrepresentation or discrimination.

6. not accept fees wholly or partially contingent on the client's desired result where that desired result conflicts with my professional judgement.

# **Guidance for Practice as an Environmental Professional** As an Environmental Professional I will:

- 1. encourage environmental planning to begin in the earliest stages of project conceptualization.
- 2. recognize that total environmental management involves the consideration of all environmental factors including: technical, economic, ecological, and sociopolitical and their relationships.
- 3. incorporate the best principle of design and environmental planning when recommending measures to reduce environmental harm and enhance environmental quality.
- 4. conduct my analysis, planning, design and review activities primarily in subject areas for which I am qualified, and shall encourage and recognize the participation of other professionals in subject areas where I am less experienced. I shall utilize and participate in interdisciplinary teams wherever practical to determine impacts, define and evaluate all reasonable alternatives to proposed actions, and assess short-term versus long-term productivity with and without the project or action.
- 5. seek common, adequate, and sound technical grounds for communication with and respect for the contributions of other professionals in developing and reviewing policies, plans, activities, and projects.
- 6. determine that the policies, plans, activities or projects in which I am involved are consistent with all governing laws, ordinances, guidelines, plans, and policies, to the best of my knowledge and ability.
- 7. encourage public participation at the earliest feasible time in an open and productive atmosphere.
- 8. conduct my professional activities in a manner that ensures consideration of technically and economically feasible alternatives.

# **Encourage Development of the Profession**

As an Environmental Professional I will:

- 1. assist in maintaining the integrity and competence of my profession.
- 2. encourage education and research, and the development of useful technical information relating to the environmental field.
- 3. be prohibited from lobbying in the name of the National Association of Environmental Professionals.
- 4. advertise and present my services in a manner that avoids the use of material and methods that may bring discredit to the profession.

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For more information about the NAEP, please visit the association's Web site at www.naep.org.

# INCLUDED IN THIS ISSUE:

J. Marshall Eames &EDITORIAL COMMENTARY Environmental Sustainability and the Low-Flow Toilet: AJames A. MontgomeryPerspective

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Charles Eccleston	RESEARCH ARTICLE: Integrating Sustainable Development with a Consolidated NEPA/ISO 14001 EMS, Redux
Cynthia Klein-Banai, Thomas L. Theis, Thomas A. Brecheisen & Alona Banai	RESEARCH ARTICLE: A Greenhouse Gas Inventory as a Measure of Sustainability for an Urban Public Research University
Kim H. McNamara	RESEARCH ARTICLE: Fostering Sustainability in Higher Education: A Mixed-Methods Study of Transformative Leadership and Change Strategies
Thomas H. Lillie & John J. Fittipaldi	ENVIRONMENTAL REVIEWS AND CASE STUDIES: Sustainability as a Force Multiplier in the U.S. Army
Maggie Murdoch	ENVIRONMENTAL REVIEWS AND CASE STUDIES: The Road to Zero Waste: A Study of the Seattle Green Fee on Disposable Bags
Shirley Vincent	ENVIRONMENTAL REVIEWS AND CASE STUDIES: In Search of Common Ground: Exploring Identity and Core Competencies for Interdisciplinary Environmental Programs

# **POINTS OF VIEW**

*Robert P. Sliwinski* **PERSPECTIVE:** FROM THE FIELD View of Sustainability: An Environmental Consultant's Perspective

# **BOOK REVIEWS**

David M. Chamberlain	BOOK REVIEW: Ben Minteer, The Landscape of Reform: Civic Pragmatism and Environmental Thought in America
Kim L. Frye	BOOK REVIEW: Peter J. Jacques, Environmental Skepticism: Ecology, Power, and Public Life
Dolores Wilber	BOOK REVIEW: William McKonough and Michael Braungart, <i>Cradle to Cradle:</i> <i>Remaking the Way We Make Things</i>

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