

***Revisions/Corrections to the Environmental Studies Handbook to comply with recommendations approved at the 2009 NGC Fall Board Meeting and changes in distributing cards/certificates to provide uniformity between the LD GS and ES schools.**

Page 23 **Delete 2nd Paragraph:** Courses should be scheduled at least four months apart with two courses in one calendar year. Exception: Courses may be scheduled less than four months apart under certain circumstances but must be approved by the NGC, Inc. ESS Accrediting Chairman. International Affiliates may schedule as needed.

Page 26 **Insert New 20 and Renumber.**

____20. "Issue the following Refresher Cards over the State Chairman's signature may be issued immediately following completion of the ten hours of study. Consultant's name and appropriate dates (Date of Event & Expiration Date) to be typed and/or printed.

1. Yellow – Consultant Refresher Card: Issued for State sponsored refreshers.
2. White – Master Consultant Refresher Card: issued for State sponsored refreshers."

Page 26-27

Old 20/New 21. Strike "All Consultant and/or Refresher cards will be sent by NGC, Inc. to the State ESS Chairman."
Insert: "Consultant and Refresher Cards will be sent by the NGC Accrediting Chairman. The NGC Schools Secretary will issue the Emeritus Consultant Card. "

To Read: The NGC, Inc. ESS Accrediting Chairman will review and sign all forms forwarding one copy of each form and all checks to NGC, Inc. School's Secretary. She will keep one copy for her files, return one signed copy to the State ESS Chairman, and send one copy to the NGC, Inc. ESS Chairman. Consultant, Refresher and Master Consultant Cards will be sent by the NGC Accrediting Chairman. The NGC Schools Secretary will issue the Emeritus Consultant Card. The State ESS Chairman mails the cards to the students/consultants. State Chairmen are to request cards from NGC Accrediting Chairman.

Page 33 NGC, Inc. ESS Accrediting Chairman's Duties

Delete I. "Also instruct the NGC, Inc. School's Secretary to send the ESS card to the consultant."

To Read: When receiving a **Course Roster** (Form #4), check for any out-of state students who are becoming Consultants or are Refreshing at that course. Duplicate any Consultant or Refresher application(s) and send to the student's State ESS Chairman. If there is no State Chairman, sign and forward the various copies of her/his application; send the fourth copy to the consultant. Highlight out-of state students on **Course Rosters** sent to you. The state giving the out-of-state student her qualifying course does not get credit for having another consultant, only the consultants' home state gets credit.

Insert New J and reletter J through M.

To Read: Issue the following cards/certificates over NGC President's Signature, (Stamped Signature.) Consultant's name and appropriate dates to be typed and/or printed.

1. Orange - Consultant Card: issued when a student completes four (4) courses.
2. Yellow- Consultant Refresher Card: issued for NGC sponsored refreshers.
3. White- Master Consultant Card: issued after consultant completes four (4) refreshers.
4. White- Master Consultant Refresher Card: issued for NGC sponsored refreshers.

*Revisions prior to Reprinting of 2007 ESS Handbook on 2010

Page 3 **Insert following information** about *Living in the Environment*.

Bringing Nature Home, by Douglas W. Tallamy. Required for Course I

Page 17 & 18 Revisions of Course Vocabulary – **Delete** the following terms

Course I (no changes)

Course II

- land use control
- public land resources
- US General Mining Law of 1872

Course III

- anthropocentric
- ecocentric
- wildlife management

Course IV

- consumerism
- dredge spoils
- thermal pollution

Change “riparian” to” riparian zones”

Page 20 Required Reading **Insert**

Sixteen Edition

Course I - Introduction

Chapters 1, 2, 3, 4, 5, 6, 7, 9, 10, 12, 15, 16, 17, 22, 24, 25
Plus Supplements 3, 4, 5, 9, 10, 11, 12

Course II - Land

Chapters 1, 3, 4, 5, 6, 7, 8, 9, 10, 12, 14, 15, 16, 21, 25
Plus Supplements 3, 4

Course III - Air

Chapters 1, 3, 4, 7, 9, 12, 17, 18, 19, 21, 24, 25
Plus Supplements 3, 4, 8, 9, 10, 11, 12

Course IV - Water

Chapters 1, 3, 4, 6, 7, 8, 9, 11, 13, 20, 22, 23, 24, 25
Plus Supplements 3, 4, 7, 8, 9, 11, 12

Glossary

Page 21 ENVIRONMENTAL STUDIES SCHOOL

SUPPLEMENTAL READING LIST

Delete entire page; **Insert** following:

Bringing Nature Home, Douglas W. Tallamy

Diversity of Life, The; E. O. Wilson (1992 & 2000)

Earth Making a Life on a Tough New Planet Bill McKibben (2010)

Earth, In the Balance; Al Gore (Ok) (1992)

End of Nature Bill McKibben (2005)

Enough: Staying Human in a Engineered Age, Bill MCKibben (2003)

Fierce Green Fire: The American Environmental Movement, A; Shabecoff (2003)

If You Love This Planet; Helen Caldicott (2009)

In Defense of Nature; John Hay (2007)

Land That Could Be: Environmentalism and Democracy in the Twenty-First Century, The; Shuki (2001)

Last Child in the Woods; Richard Louv (2005 & 2008)

Lorax, The; Seuss (1978)

Making Collaboration Work; Wondolleck and Yaffee (2000)

Maps of Time An Introduction to Big History David Christian

Precious Heritage “The Status of Biodiversity in the United States”; Stem, Kutner, Adams (2000)

Sand County Almanac and Sketches Here and There, A; Aldo Leopold (1990)

Sense of Wonder; Rachael Carson (To introduce children to nature) (1990)

Silent Spring; Rachael Carson (1962)

Something New Under the Sun: An Environmental History of the Twentieth Century; (2001)

J.R. McNeill, W.W.Norton

Ten Minute Field Trips; Helen Ross Russell (1998)

Teaching Kids to Love the Earth; Marina Lachecki Herman, Joseph F. Passineau, Ann L. Schimpf, Paul Treuer (1990)
Wilderness and the American Mind; Nash (2001)

PERIODICALS — Free with your membership in these organizations

Audubon

Amicus Journal, Environmental Defense Fund

Clean Ocean Action

Nature Conservancy

Page 22 **Delete:** Indoor or Outdoor Air Pollution web site

2007 Printing page 33; 2010 printing page 34 **Insert** Regional ESS Chairman Duties

REGIONAL ESS CHAIRMAN DUITES

- A. Promote the Schools and Refreshers within the Region(s).
- B. Post information about Schools and/or Refreshers on region website and/or maintain current and accurate information about the Schools and/or Refreshers in the region's website.
- C. Work to start Schools within the Region(s) that currently are not having schools.
- D. Publicize and encourage attendance at the Schools and Refreshers within the Regions.
- E. Prepare a display for the Regional Meetings
- F. Act as a liaison between the State Chairman and the NGC Schools Committee. Be familiar with the School's Handbook with dialogue between the NGC and State School's Chairmen.
- G. Write article promoting the schools and refreshers for publication in the state and regional publications.

Revisions to the Environmental Studies Handbook following approved at the 2011 NGC Fall Board Meeting.

p. 6 FEDERATED GARDEN CLUB MEMBER TAKING COURSE FOR CREDIT MUST:

- A. **Delete:** “or NGC, Inc. International Affiliate.” **To Read:** “Be an active member of a member NGC, Inc.”
- B. **Delete:** “or NGC, Inc. International Affiliate.” **To Read:** Be in the process of becoming a member of NGC, Inc. Credit after completing the four courses will be held for one year while membership is pending.
- C. **Insert:** “or provide National Life Member number” following Gardener. **To Read:** Subscribe to *The National Gardener* or provide National Life Member number.
- D. **Delete:** “will have earned”. **Insert:** “ is eligible to apply for”. **To Read:** After successful completion of all four courses and passing the examinations the student is eligible to apply for the designation of NGC, Inc. Accredited Environmental Consultant.
- E. **Delete:** “along with the current ”. **To Read:** The student must complete the Consultant Accreditation Application (Form #5) and submit the form to the NGC, Inc. ESS Accrediting Chairman and a current address label from *The National Gardener* or National Life Member number.
- F. **Delete:** “exam fee” in second sentence. **Insert:** “course fee”. **To Read:** No exam necessary, but course fee must be paid.

p.6 NON-GARDEN CLUB MEMBERS

- C. **Insert New:** Non-Garden Club students successfully completing the four courses may become an ESS Consultant upon joining an NGC federated garden club within one calendar year of completion date of 4th course .

p.6 **Delete:** “Intern”. **Insert:** “Provisional Consultant” in three places.

To read: ENVIRONMENTAL PROVISIONAL CONSULTANT

- A. After completing and passing two courses, a student is considered an Environmental Provisional Consultant and is eligible to join an Environmental Consultants Council.
- B. Upon passing the four courses and receiving an Environmental Consultants Certificate, the provisional consultant is eligible to become a full member of an Environmental Consultants’ Council.

p. 6 CONSULTANTS B. **Strike:** “and a check for \$5.00 payable to NGC, Inc.”; **To Read:** ” Complete the application for Environmental Consultant Accreditation (Form #5) and provide either the label to *The National Gardener* label or National Life Member number. Submit form to State ESS Chairman.”

p. 6 REFRESHERS B. **Strike:** “refresher fee” insert “course fee”; **To Read:** No Exams are necessary, but course fee must be paid.

p. 7 REFRESHERS C. **Strike:** “and send with a \$5.00 check payable to NGC, Inc.” **To Read:** The consultant must complete the ESS Refresher Application (Form #6) or ESS Master Consultant Refresher Application (Form #8) and provide a label of *The National Gardener* or National Life Member #. Submit form to the State ESS Chairman

p. 7 MASTER CONSULTANT

- B. **Strike:** “refresher fee” **Insert:** “course fee”. **To Read :** No Exams are necessary, but course fee must be paid.
- C. **Strike:** “and send with a \$5.00 check payable to NGC, Inc.”. **To Read:** The Consultant must complete the ESS Application for Environmental Master Consultant (Form #7) and provide either label of *The National Gardener* or National Life Member #. Submit form to the State ESS Chairman.

p. 8 FEES B. **Delete** “\$5.00 fee for each Consultant Application and \$5.00 for each Refresher Application”. **Insert to read:** “\$5.00 for each consultant seeking refresher credit.”

Insert on page 20 following Sixteen Edition required reading chapters

Seventeenth Edition

Course I – Introduction	Chapters 1, 5, 6, 9, 10, 21, 22, 25 Plus Supplements 3, 6 & Glossary
Course II – Land	Chapters 1, 8, 12, 14, 21, 23, 24
Course III- Air	Chapters 1, 18, 19, 23, 24 Plus Supplement 7 & Glossary
Course IV- Water	Chapters 1, 8, 11, 13, 24 Glossary

- p. 26: #12 **Bold face** “ **Send outlines, exam questions and answer to NGC Inc. ESS Accrediting Chairman**”
#17 **Strike:** “one month”. **Insert:**” and bold face “**six (6) weeks**”
#19 **Delete:** “and the \$5.00 fee per applicant” **To Read:** “It is the student’s responsibility to complete the four (4) copies of the **Consultant Accreditation Application** (Form #5) or the **Master Consultant Application** (Form #7). The State ESS Chairman then collects the forms with the attached label to *The National Gardener* label or National Life Member number to be submitted to the NGC, Inc. ESS Accrediting Chairman. These forms should be mailed with the **Course Roster**. (See Duty #17 above)
- p. 32 **Delete:** Heading “NGC, Inc. ESS INTER. AFFILIATES CHAIRMANS DUTIES”
Rationale International affiliates had their own handbook.

Revisions to following forms:

Delete: “Student: Complete the application and mail with \$5.00 to your state ESS Chairman.”

Rationale: The GSS and LDS Courses do not require this fee.

Strike: “Signature” before “State ESS Chairman” and “NGC, Inc ESS Accrediting Chairman”

Rationale: In preparation for computer interactive signatures.

From the following forms:

Form #5-07 Application for Environmental Consultant Application

Form #6-07 Application for Environmental Consultant Refresher.

Form #7-07 Application for Environmental Master Consultant Application

Form #8-07 Application for Environmental Consultant Application

Strike: “Signature” before “State ESS Chairman” and “NGC, Inc ESS Accrediting Chairman”

Rationale: In preparation for computer interactive signatures.

From the following forms:

Form #4-07 Course Roster

Form #9-07 Emeritus Status

Form #10-07 Application for Extension

Form #11-07 Reinstatement Environmental Consultant Accreditation