



Certified Environmental Professional:

Since 1979, the Certified Environmental Professional (CEP) designation has been awarded to senior managers and other qualified individuals as a way to demonstrate their professional skills and high standards of conduct. The CEP designation is a national system of excellence and says to employers, clients, colleagues and the public that an individual is a knowledgeable, experienced, and dedicated professional. The CEP is awarded after a comprehensive review of their background, their abilities, and their knowledge. Most CEPs have at least ten years of experience in the field. Certification credentials exceeds requirements of the US EPA's definition of Environmental Professional and conforms to ASTM's requirements for conducting Phase I Environmental Site Evaluations.

Instructions:

Please complete this packet in its entirety and return it with all requested components, along with your resume, signed Ethics Document and all required Essays. A PDF of each document is preferred.

Remember to send in:

- This completed application packet
- Transcripts
- Four Reference Letters
- Resume
- Signed Code of Ethics document
- Essays

Academy of Board Certified Environmental Professionals
Post Office Box 460
Collingswood, New Jersey 08108
office: 866-767-8073
fax: 856-210-1619
e-mail: Office@abcep.org
web: www.abcep.org

More information pertaining to the CEP and the application process can be found on ABCEP's website at www.abcep.org, including a detailed slide packet with information about the certification.



Basic Contact Information

Email Address:

First Name:

Middle Initial:

Last Name:

Street Address:

City, State, Zip:

Country:

Phone:



Applying for:

- CEP
 - Assessment
 - Documentation
 - Operations
 - Planning
 - Research and Education
 - Sustainability
 - None selected
- CEP by Eminence
 - Assessment
 - Documentation
 - Operations
 - Planning
 - Research and Education
 - Sustainability
 - None selected
- CEP-IT



Education and Background

Undergraduate and Graduate Schools Attendees – please list the following for each and supply a transcript for all items listed:

Institute Name:

Institution City and State:

Major:

Degree:

Start Date:

End Date:

Notes:

Institute Name:

Institution City and State:

Major:

Degree:

Start Date:

End Date:

Notes:

Additional courses, beyond those required for the above listed degrees – please list all that apply:

University Course:

Education Program:

Education Certification:

Honors Societies and Honors Received:

Educational Publications:

Professional Associations:

Additional Pertinent Data:



Work Experience

Please list the following for each relevant position you have held. The work experience must demonstrate that you have the required experience as a professional in charge.

Company Name:

Company City:

Position Title:

Start Date:

End Date:

Percent in charge:

Responsibilities:

Employment Date:



References

Please submit four letters of reference (or have your referrals send them to ABCEP directly) and complete the fields below.

Effective April 11, 2015 new applicants are required to provide a minimum of four (4) letters of recommendation from peers, clients, and/or supervisors. Request for reference letters are provided via the ON-LINE APPLICATION; or can be mailed or emailed to the Academy, and you can start this process as soon as you decide to apply. Ideally, the references should come from other CEPs or from individuals who hold a similar professional certification. Recommendation letters are generally 3-5 paragraphs long.

Reference 1

Full Name:

Title:

Company:

Email:

Phone:

Relation:

Street Address:

City, State, Zip:

Reference 2

Full Name:

Title:

Company:

Email:

Phone:

Relation:

Street Address:

City, State, Zip:

Reference 3

Full Name:

Title:

Company:

Email:

Phone:

Relation:

Street Address:

City, State, Zip:

Reference 4

Full Name:

Title:

Company:

Email:

Phone:

Relation:

Street Address:

City, State, Zip:



REQUIREMENTS FOR APPLICATION

The written portion of the examination consists of mandatory and elective essay questions designed to test the communication skills and technical experience of the applicant. The maximum allowable length for each essay is four pages. Members of the Certification Review Board will not know you, so they must make a judgment based on three things -- your knowledge (as demonstrated by you in the essays), your background (as described by you in your application) and your qualifications (as described in statements made by your references).

Please see the attached list of Essays.

The applicant must subscribe to the ABCEP CODE OF ETHICS and Standards of Practice for Environmental Professionals.

Please see the attached Code of Ethics.

The Academy and the certification program are operated in accordance with federal policies, which prohibit discrimination on the basis of race, color, sex, age, handicap, religion, or national origin.



ABCEP is a member of the Board of the Council of Engineering and Scientific Specialty Boards (CESB); ABCEP's Certification Program is fully accredited by the CESB. A CEP certification exceeds the requirements of the US EPA's definition of Environmental Professional (EP) and conforms to ASTM's requirements for conducting Phase I Environmental Site Evaluations.



Additional Information:

More information pertaining to the CEP and the application process can be found on ABCEP's website at www.abcep.org, including a detailed slide packet with information about the certification.

Please submit all components of your application to Andrea Bower at ABCEP via the contact information below.

Once your entire application is compiled, you will be notified when your application is with the Certification Review Board (CRB) for review.

We will be in contact with you regarding payment of related application fees.

Contact:

Academy of Board Certified Environmental Professionals
Post Office Box 460
Collingswood, New Jersey 08108
office: 866-767-8073
fax: 856-210-1619
e-mail: Office@abcep.org
web: www.abcep.org



Essay Questions

Please review the following list of questions that are categorized by your area of certification. The **six** areas of certification are:

- Environmental Assessment
- Environmental Documentation
- Environmental Operations
- Environmental Planning
- Environmental Research and Education
- Sustainability

Answer only questions within your requested area of certification.

Questions 1 and 2 within each certification area must be answered. You may then choose three questions to answer within each area.

ENVIRONMENTAL ASSESSMENT

- 1 **Keeping current.** The Body of Knowledge (BOK) has been made available to you in preparing for these essay questions. Explain how you keep current within your specialty area? Identify recently published references that you would add to the BOK. Identify emerging issues in your specialty area
- 2 **Ethics.** You are a consultant developing a NEPA document for a large project. Your field personnel find previously-unknown key problems with the proposed project that will significantly affect the project schedule and possibly the project funding. Your client asks you to omit this information from the analysis. Describe how you would proceed.

From questions 3 to [depends on how many we have], write essays responding to three questions.

- 3 **Wetlands.** As a wetlands analyst how would you identify 'valuable wetlands'? Describe an example of how it has been necessary for you to assign value to a wetland. How would you mitigate unavoidable loss of such wetlands?
- 4 **Housing development.** A housing developer hires you as a consulting wildlife biologist to evaluate a 26-acre parcel containing woodlands and freshwater wetlands to obtain required building permits. How would you proceed?
- 5 **Academic institutions.** Are academic institutions adequately preparing students to enter the environmental profession? How might curricula be improved in the area of environmental assessment to enable environmental professionals to resolve complex problems and think critically?
- 6 **NEPA Process.** A number of publications have discussed improving and streamlining the National Environmental Policy Act (NEPA) process. Based on recent agency guidance updates and changes in agency perspectives, how would you improve the quality and value of the NEPA process?
- 7 **Airports/noise.** How would you assess impacts of airport construction and/or expansion? How might you propose to mitigate noise or wildlife impacts?
- 8 **Transportation.** How would you assess impacts of transportation construction and/or expansion? How might you propose to mitigate new highway impacts to natural resources?
- 9 **Environmental compliance.** What difficulties have you encountered in complying with environmental legislation and/or regulations? How have you overcome such difficulties?
- 10 **Controversial projects.** As a resource specialist, how would you assess potential impacts of a controversial project that covers an extensive area and a variety of land use and land cover types? What conflicts may arise in such a project and how would you address them?
- 11 **Utilities/energy.** You manage a utility's environmental division. Company officers seek to build a 26-mile gas pipeline between a distribution location and a city in the neighboring state. They ask you to assess environmental issues as necessary to obtain required permits. How would you proceed?

- 12 **Coastal zone development** - What is the basis of the Coastal Zone Management Act? Describe what is required for a proposed action/project to be consistent with the Coastal Zone Management Act ?
- 13 **State vs. federal statutes and regulations.** As an environmental consultant assigned to a project in a state in which you previously have never worked, how would you assure compliance with that state's environmental statutes and regulations? How have individual state statutes and regulations modified your approach to complying with federal statutes and regulations?
- 14 **Urban projects.** In planning for use and expansion of urban space or other large-scale projects, what influences have you found to be most effective in mitigating adverse environmental impacts? Identify and describe one or more models used for assessing the effects of community growth / land use change and land use patterns.
- 15 **Health risk assessment.** You are assigned to assess risks to human health potentially posed by a substance or substances that will be emitted to the air, water, soil, or workplace. How would you proceed?
- 16 **Environmental risk assessment.** You are assigned to assess risks to environmental health potentially posed by a substance or substances that will be emitted to the air, water, or soil. How would you proceed?
- 17 **Climate Change.** How would you suggest climate change be analyzed within the NEPA process?
- 18 **Climate Change.** What approach would you suggest for analyzing the effects of climate change on coastal zone development?
- 19 **Project Management.** Describe the basic processes necessary to ensure that an environmental project is managed successfully. Use an example from your own experience as a Project Manager and explain how you implemented the five basic project management processes including Initiation, Planning, Executing, Controlling and Closing. Include specific examples of the tools, techniques and how you used them to improve the project objectives.
- 20 **Mitigation.** How is mitigation defined and what is its importance in the NEPA process ? Provide an example of how mitigation was used to reduce environmental impacts and resulted in a mitigated FONSI.
- 21 **Public Involvement.** Establish the importance of public involvement process in environmental planning and provide two examples of the tools and techniques that you have used to effectively plan and manage the public involvement process. How effective was the public involvement process you used? Analyze the process you used and recommend changes for future public participation efforts based on your experience with the 2 examples provided.
- Sustainability.** Sustainability is a desirable endeavor for any project or entity. Describe how you have or would approach integration of sustainability concepts into either (1) planning or design of a large infrastructure project, (2) development of an operational program for industry, or (3) public policy development.

ENVIRONMENTAL DOCUMENTATION

1 **Keeping current.** The Body of Knowledge (BOK) has been made available to you in preparing for these essay questions. Explain how you keep current within your specialty area? Identify recently published references that you would add to the BOK. Identify emerging issues in your specialty area

2 **Ethics.** You are a consultant whose client must submit to a regulatory agency a plan to remediate a contaminated site. Describe how you would proceed. Imagine that your client divulged to you information about contamination undisclosed to regulators, and then requested that you maintain confidentiality. Describe how you might respond.

From questions 3 to [depends on how many we have], write essays responding to three questions.

3 **Wetlands.** You must document activities of your firm's wetlands analyst(s). How would you document their procedures for identification of 'valuable wetlands'? Describe an instance where you have been required to value a wetland. How would you document proposal(s) for mitigation of wetland losses that your field personnel tell you are unavoidable?

4 **Housing development.** A housing developer hires your consulting firm to study wildlife populations on a 26-acre parcel containing woodlands and freshwater wetlands to obtain required building permits. How would you proceed in support of data collected in the field?

5 **Academic institutions.** Are academic institutions adequately preparing students to enter the environmental profession? How might curricula be improved in the area of NEPA and environmental documentation?

6 **NEPA Process.** A number of publications have discussed improving and streamlining the National Environmental Policy Act (NEPA) process. Based on recent agency guidance updates and changes in agency perspectives, how would you improve the quality and value of environmental documents? Cite specific examples where you have implemented these techniques and describe if and how they were effective in providing the required information.

7 **Airports/noise.** How would you assess impacts of airport construction and/or expansion? How might you propose to mitigate noise or wildlife impacts?

8 **Transportation.** How would you assess impacts of transportation construction and/or expansion? How might you propose to mitigate new highway impacts to natural resources?

9 **Environmental compliance.** What difficulties have you encountered in documenting compliance by your firm or client(s) with environmental legislation and/or regulations? How have you overcome such difficulties?

10 **Controversial projects.** As a resource specialist, how would you assess potential impacts of a controversial project that covers an extensive area and a variety of land use and land cover types? What conflicts may arise in such a project and how would you address them?

11 **Utilities/energy.** You manage a utility's environmental division. Company officers seek to build a 26-mile gas pipeline between a distribution location and a city in the neighboring state. They ask you to provide documentation toward obtaining required permits. How would you proceed?

- Coastal zone development.** What is the basis of the Coastal Zone Management Act?
- 12 Describe what is required for a proposed action/project to be consistent with the Coastal Zone Management Act?
- State vs. federal statutes and regulations.** As an environmental consultant assigned to a project in a state in which you previously have never worked, how would you assure compliance with that state's environmental statutes and regulations? How have individual state statutes and regulations modified your approach to complying with federal statutes and regulations? How did they affect your level or type of documentation?
- 13
- Urban projects.** In planning for use and expansion of urban space or other large-scale projects, what influences have you found to be most effective in mitigating adverse environmental impacts? Identify and describe one or more models used for assessing the effects of community growth / land use change and land use patterns.
- 14
- Health risk assessment.** You are assigned to document assessment of risks to human health potentially posed by a substance or substances that will be emitted to the air, water, soil, or workplace. How would you proceed?
- 15
- Environmental risk assessment.** You are assigned to document assessment of risks to environmental health potentially posed by a substance or substances that will be emitted to the air, water, or soil. How would you proceed?
- 16
- Climate Change.** How would you suggest climate change be analyzed within the NEPA process?
- 17
- Climate Change.** What approach would you suggest for analyzing the effects of climate change on coastal zone development?
- 18
- Project Management.** Describe the basic processes necessary to ensure that an environmental project is managed successfully. Use an example from your own experience as a Project Manager and explain how you implemented the five basic project management processes including Initiation, Planning, Executing, Controlling and Closing. Include specific examples of the tools, techniques and how you used them to improve the project objectives.
- 19
- Mitigation.** How is mitigation defined and what is its importance in the NEPA process? Provide an example of how mitigation was used to reduce environmental impacts and resulted in a mitigated FONSI.
- 20
- Public Involvement.** Establish the importance of public involvement process in environmental planning and provide two examples of the tools and techniques that you have used to effectively plan and manage the public involvement process. How effective was the public involvement process you used? Analyze the process you used and recommend changes for future public participation efforts based on your experience with the 2 examples provided.
- 21
- Sustainability -** Sustainability is a desirable endeavor for any project or entity. Describe how you have or would approach integration of sustainability concepts into either (1) NEPA documentation for a large infrastructure project, (2) operational program for an industry, or (3) public policy development.
- 22

ENVIRONMENTAL OPERATIONS

1 **Keeping current.** The Body of Knowledge (BOK) has been made available to you in preparing for these essay questions. Explain how you keep current within your specialty area? Identify recently published references that you would add to the BOK. Identify emerging issues in your specialty area

2 **Ethics.** You work for a firm that operates private facilities under contract. Your client's facility must submit to a regulatory agency a plan to remediate a Superfund site. Describe how you might assure that your firm's operations would satisfy regulations and regulators. Your field personnel divulged to you information about contamination that you knew was undisclosed to regulators; the client requested that you maintain confidentiality. Describe your ethic responsibility and how you might respond.

From questions 3 to [depends on how many we have], write essays responding to three questions.

3 **Wetlands.** You must document activities of your firm's wetlands analyst(s). How would you document their procedures for identification of 'valuable wetlands'? Describe an instance where you have been required to value a wetland. How would you document proposal(s) for mitigation of wetland losses that your field personnel tell you are unavoidable?

4 **Housing development.** A housing developer hires the consulting firm that you manage to study wildlife populations on a 26-acre parcel containing woodlands and freshwater wetlands to obtain required building permits. How would you proceed in support of your client?

5 **Academic institutions.** Are academic institutions adequately preparing students to enter the environmental profession? How might curricula be improved in the area of environmental operations?

6 **Environmental assessments/impact statements.** How would you improve the quality and value of *Environmental Assessments* and/or *Environmental Impact Statements*?

7 **Airports/noise.** How would you assess impacts of airport construction and/or expansion? How might you propose to mitigate noise or wildlife impacts?

8 **Transportation.** How would you assess impacts of transportation construction and/or expansion? How might you propose to mitigate new highway impacts to natural resources?

9 **Environmental compliance.** What difficulties have you encountered in documenting compliance by your firm or client(s) with environmental legislation and/or regulations? How have you overcome such difficulties?

10 **Controversial projects.** As a resource specialist, how would you assess potential impacts of a controversial project that covers an extensive area and a variety of land use and land cover types? What conflicts may arise in such a project and how would you address them?

- 11 Utilities/energy.** You manage a utility's environmental division. Company officers seek to build a 26-mile gas pipeline between a distribution location and a city in the neighboring state. They ask you to obtaining required permits. How would you proceed?
- 12 Coastal zone development.** What is the basis of the Coastal Zone Management Act? Describe what is required for a proposed action/project to be consistent with the Coastal Zone Management Act?
- 13 State vs. federal statutes and regulations.** As an environmental manager assigned to a project in a state in which you previously have never worked, how would you assure compliance with that state's environmental statutes and regulations? How have individual state statutes and regulations modified your approach to complying with federal statutes and regulations?
- 14 Urban projects.** In planning for use and expansion of urban space or other large-scale projects, what influences have you found to be most effective in mitigating adverse environmental impacts? Identify and describe one or more models used for assessing the effects of community growth / land use change and land use patterns.
- 15 Health risk assessment.** You are assigned to manage a project to assess risks to human health potentially posed by a substance or substances that will be emitted to the air, water, soil, or workplace. How would you proceed?
- 16 Environmental risk assessment.** You are assigned to manage a project to assess risks to environmental health potentially posed by a substance or substances that will be emitted to the air, water, or soil. How would you proceed?
- 17 Climate Change.** How would you suggest climate change be analyzed within the NEPA process?
- 18 Climate Change.** What approach would you suggest for analyzing the effects of climate change on coastal zone development?
- 19 Project Management.** Describe the basic processes necessary to ensure that an environmental project is managed successfully. Use an example from your own experience as a Project Manager and explain how you implemented the five basic project management processes including Initiation, Planning, Executing, Controlling and Closing. Include specific examples of the tools, techniques and how you used them to improve the project objectives.
- Mitigation.** How is mitigation defined and what is its importance in the NEPA process? Provide an example of how mitigation was used to reduce environmental impacts and resulted in a mitigated FONSI.
- Public Involvement.** Establish the importance of public involvement process in environmental planning and provide two examples of the tools and techniques that you have used to effectively plan and manage the public involvement process. How effective was the public involvement process you used? Analyze the process you used and recommend changes for future public participation efforts based on your experience with the 2 examples provided.
- Sustainability.** Sustainability is a desirable endeavor for any project or entity. Describe how you have or would approach integration of sustainability concepts into either a NEPA project, operational program, or policy development

ENVIRONMENTAL PLANNING

1 **Keeping current.** The Body of Knowledge (BOK) has been made available to you in preparing for these essay questions. Explain how you keep current within your specialty area? Identify recently published references that you would add to the BOK. Identify emerging issues in your specialty area

2 **Ethics.** You work for a firm that operates private facilities under contract. Your client's facility must submit to a regulatory agency a plan to remediate a Superfund site. Describe how you might assure that your firm's operations would satisfy regulations and regulators. Your field personnel divulged to you information about contamination that you knew was undisclosed to regulators; the client requested that you maintain confidentiality. Describe your ethic responsibility and how you might respond.

From questions 3 to [depends on how many we have], write essays responding to three questions.

3 **Wetlands.** Your company plans to develop a wetland. How will you assure that your firm's wetland analyst(s) will satisfy regulations and regulators? How would you assure that they identify all 'valuable wetlands'? How would you propose to mitigate wetland losses that your field personnel tell you are unavoidable?

4 **Housing development.** A housing developer hires the planning firm that you manage to protect wildlife populations on a 26-acre parcel containing woodlands and fresh water wetlands to obtain required building permits. How would you proceed in support of your client?

5 **Academic institutions.** Are academic institutions adequately preparing students to enter the environmental profession? How might curricula be improved in the area of environmental planning?

6 **Environmental assessments/impact statements.** How would you improve the quality and value of *Environmental Assessments* and/or *Environmental Impact Statements*?

7 **Airports/noise.** How would you assess impacts of airport construction and/or expansion? How might you propose to mitigate noise or wildlife impacts?

8 **Transportation.** How would you assess impacts of transportation construction and/or expansion? How might you propose to mitigate new highway impacts to natural resources?

9 **Environmental compliance.** What planning difficulties have you encountered in assuring compliance by your firm or client(s) with environmental legislation and/or regulations? How have you overcome such difficulties?

10 **Controversial projects.** As a planner, how would you interact with your firm's team of biologists and/or ecologists who are engaged in assessing potential impacts of a controversial project requiring extensive acreage?

- 11 **Utilities/energy.** You manage a utility's environmental division. Company officers seek to build a 26-mile gas pipeline between a distribution location and a city in the neighboring state. They ask you to formulate plans for obtaining required permits. How would you proceed?
- 12 **Coastal zone development.** What is the basis of the Coastal Zone Management Act? Describe what is required for a proposed action/project to be consistent with the Coastal Zone Management Act ?
- 13 **State vs. federal statutes and regulations.** As a planner assigned to a project in a state in which you previously have never worked, how would you assure compliance with that state's environmental statutes and regulations? How have individual state statutes and regulations modified your approach to planning projects in a manner that also assures compliance with federal statutes and regulations?
- 14 **Urban projects.** In planning for use and expansion of urban space or other large-scale projects, what influences have you found to be most effective in mitigating adverse environmental impacts? Identify and describe one or more models used for assessing the effects of community growth / land use change and land use patterns.
- 15 **Health risk assessment.** You are assigned to plan a project requiring assessment of risks to human health potentially posed by a substance or substances that will be emitted to the air, water, soil, or workplace. How would you proceed?
- 16 **Environmental risk assessment.** You are assigned to plan a project requiring assessment of risks to environmental health potentially posed by a substance or substances that will be emitted to the air, water, or soil. How would you proceed?
- 17 **Climate Change.** How would you suggest climate change be analyzed within the planning process?
- 18 **Climate Change.** What approach would you suggest for analyzing the effects of climate change on coastal zone development?
- 19 **Project Management.** Describe the basic processes necessary to ensure that an environmental project is managed successfully. Use an example from your own experience as a Project Manager and explain how you implemented the five basic project management processes including Initiation, Planning, Executing, Controlling and Closing. Include specific examples of the tools, techniques and how you used them to improve the project objectives.
- 20 **Mitigation.** How is mitigation defined and what is its importance in the NEPA process ? Provide an example of how mitigation was used to reduce environmental impacts and resulted in a mitigated FONSI.
- 21 **Public Involvement.** Establish the importance of public involvement process in environmental planning and provide two examples of the tools and techniques that you have used to effectively plan and manage the public involvement process. How effective was the public involvement process you used? Analyze the process you used and recommend changes for future public participation efforts based on your experience with the 2 examples provided.

- 22 **Sustainability.** Sustainability is a desirable endeavor for any project or entity. Describe how you have or would approach integration of sustainability concepts into either (1) planning and design of a large infrastructure project, (2) development of an operational program for industry, or (3) public policy development.

ENVIRONMENTAL RESEARCH AND EDUCATION

- 1 **Keeping current.** The Body of Knowledge (BOK) has been made available to you in preparing for these essay questions. Explain how you keep current within your specialty area? Identify recently published references that you would add to the BOK. Identify emerging issues in your specialty area

- 2 **Ethics.** You work for a firm that operates private facilities under contract. Your client's facility must submit to a regulatory agency a plan to remediate a Superfund site. Describe how you might assure that your firm's operations would satisfy regulations and regulators. Your field personnel divulged to you information about contamination that you knew was undisclosed to regulators; the client requested that you maintain confidentiality. Describe your ethic responsibility and how you might respond.

From questions 3 to [depends on how many we have], write essays responding to three questions.

- 3 **Wetlands.** Your lesson describes a firm that plans to develop a wetland. How should you teach students to ensure that the firm's wetland analyst(s) will satisfy regulations and regulators relative to the agency's "No Net Loss" philosophy? How should they identify all 'valuable wetlands'? How should they propose to mitigate wetland losses that field personnel say are unavoidable?

- 4 **Housing development.** Your lesson describes a housing developer who hires a firm to inventory wildlife populations occupying a 26-acre parcel containing woodlands and freshwater wetlands to obtain required building permits. How would you teach students to proceed in support of the client?

- 5 **Academic institutions.** Are academic institutions adequately preparing students to enter the environmental profession? How might curricula be improved in the area of environmental education?

- 6 **Environmental assessments/impact statements.** How would you improve the quality and value of *Environmental Assessments* and/or *Environmental Impact Statements*?

- 7 **Airports/noise.** How would you assess impacts of airport construction and/or expansion? How might you propose to mitigate noise or wildlife impacts?

- 8 **Transportation.** How would you assess impacts of transportation construction and/or expansion? How might you propose to mitigate new highway impacts to natural resources?

- 9 **Environmental compliance.** What difficulties have you encountered in case studies involving compliance with environmental legislation and/or regulations? How have such difficulties been overcome?

- 10 **Controversial projects.** As an environmental sciences professor, how would you teach students to interact with their firm's team of biologists and/or ecologists who are engaged in assessing potential impacts of a controversial project requiring extensive acreage?
- 11 **Utilities/energy.** Your lesson describes a utility's environmental division. Company officers seek to build a 26-mile gas pipeline between a distribution location and a city in the neighboring state. They seek required permits. How should the utility's environmental professional staff proceed?
- 12 **Coastal zone development.** What is the basis of the Coastal Zone Management Act? How would you teach students to apply the principles of the Coastal Zone Management Act to a proposed waterfront highrise project? How would you assess student success in grasping CZMA principles?
- 13 **State vs. federal statutes and regulations.** Your lesson describes an environmental professional assigned to a project in a state in which he or she previously has never worked. How would you teach students to assure compliance with that state's environmental statutes and regulations? How might you assess a student's competency in this skill?
- 14 **Urban projects.** In planning for use and expansion of urban space or other large-scale projects, what influences have you found to be most effective in mitigating adverse environmental impacts? Describe how you might teach one or more models used for assessing the effects of community growth / land use change and land use patterns and how you would assess a student's competency in this.
- 15 **Health risk assessment.** Your lesson describes an environmental professional assigned to plan a project requiring assessment of risks to human health potentially posed by a substance or substances that will be emitted to the air, water, soil, or workplace. How should students learn to proceed? How can you assess their knowledge of this topic?
- 16 **Environmental risk assessment.** Your lesson describes an environmental professional assigned to plan a project requiring assessment of risks to environmental health potentially posed by a substance or substances that will be emitted to the air, water, or soil. How should students learn to proceed? How can you assess their knowledge of this topic?
- 17 **Climate Change.** How would you suggest teaching how climate change should be analyzed within the planning process using problem solving methods? How might you assess your student's understanding of this topic?
- 18 **Climate Change.** What approach would you suggest teaching analysis of the effects of climate change on coastal zone development using problem solving methods? How might you assess your student's understanding of this topic?
- 19 **Project Management.** Describe the basic processes necessary to ensure that an environmental project is managed successfully. Use an example from your own experience as a Project Manager of how you implemented the five basic project management processes including Initiation, Planning, Executing, Controlling and Closing. How would you teach Environmental Project Management to students? How would you assess their understanding of the topic?

- 20 **Mitigation.** How is mitigation measured and what is its importance in the NEPA process? Provide an example of how mitigation was assessed to reduce environmental impacts and resulted in a mitigated FONSI.

- 21 **Public Involvement.** Establish the importance of public involvement process in environmental planning and provide two examples of the tools and techniques that you have used to effectively plan and manage a problematic public involvement process. What was the outcome of the public involvement process for the design process for the project(s) where the example tools were used?

- 22 **Sustainability.** Sustainability is a desirable endeavor for any project or entity. Describe how you have or would approach integration of sustainability concepts into either (1) planning and design of a large infrastructure project, (2) development of an operational program for industry, or (3) public policy development.

SUSTAINABILITY

- 1 **Keeping current.** The Body of Knowledge (BOK) has been made available to you in preparing for these essay questions. Explain how you keep current within your specialty area? Identify recently published references that you would add to the BOK. Identify emerging issues in your specialty area

- 2 **Ethics.** You work for a firm that operates private facilities under contract. Your client's facility must submit to a regulatory agency a plan to remediate a Superfund site. Describe how you might assure that your firm's operations would satisfy regulations and regulators. Your field personnel divulged to you information about contamination that you knew was undisclosed to regulators; the client requested that you maintain confidentiality. Describe your ethical responsibility and how you might respond.

From questions 3 to [depends on how many we have], write essays responding to three questions.

- 3 **Wetlands.** You are a wetlands analyst working for a regional government. A developer is proposing to build a 200 parcel retirement community on a large tract of land, which includes a substantial area classified as a wetland. The developer proposes to fill in those wetlands and mitigate the loss of those wetlands by creating and restoring wetlands on another property. You are asked to evaluate the developer's wetlands mitigation plan and make a recommendation? How would you evaluate the mitigation plan? What are the critical issues that must be addressed if approval is to be granted? How do ecosystem services factor into the assessment? What are the social and economic impacts of the plan?

- 4 **Housing Development.** You have been asked to assess two proposals for a low-income housing development. One of the proposals is for a 24-unit apartment complex in a suburban neighborhood and the other is for an equal-sized unit in an inner-city neighborhood. The city is eager to invest in sustainable development. What issues or criteria should they consider to help them choose between the two options?

- 5 **Academic Institutions.** Are academic institutions adequately preparing students for careers in the natural and built environment? How might curricula be improved to address the challenges inherent in a rapidly emerging field, such as sustainability?

- 6 **Environmental assessments/impact statements.** How would you improve the quality and value of *Environmental Assessments* and/or *Environmental Impact Statements*?
- 7 **Airports/noise.** How would you teach students to approach a project to assess sustainable methods of construction and/or expansion? How should students approach the issue of mitigating non-sustainable practices required by a project?
- 8 **Transportation.** How would you teach someone to approach a project to assess sustainable methods of construction and/or expansion? How should students approach the issue of mitigating non-sustainable practices required by a project?
- 9 **Environmental compliance.** What difficulties have you encountered in sustainable practices relative to environmental legislation and/or regulations? How have you used non-traditional methods to overcome such difficulties?
- 10 **Controversial projects.** As a planner or designer, describe how you would integrate sustainability principles into the planning of a potentially controversial project such as a power plant, landfill, or major transportation improvement. Describe how integrating sustainability principles into planning and design improve the quality and longevity of the project and address agency public concerns as part of the overall decision-making process.
- 11 **Utilities/energy.** Company officers seek to build a 26-mile gas pipeline between a distribution location and a city in the neighboring state. They seek required permits. How should the utility's environmental professional staff proceed with sustainability in mind?
- 12 **Coastal zone development.** An executive in a corporation that wants to develop 19 acres of marine bay waterfront for high rise construction requests a proposal from a faculty colleague in the Environmental Sciences Department that you chair. How would you respond to ensure that sustainable practices are incorporated into the project?
- 13 **State vs. federal statutes and regulations.** You are an environmental professional assigned to a project in a state in which you previously have never worked. How would you incorporate sustainability to the project while remaining in compliance with that state's environmental statutes and regulations? How might individual state statutes and regulations modify your approach to planning sustainable projects in a manner that also assures compliance with federal statutes and regulations?
- 14 **Urban Projects.** In planning for use and expansion of urban space or other large-scale projects, what steps would you take to integrate planned projects with existing projects so that the net result is an improvement of urban systems functions, as well as adaptability and resiliency in the face of a changing climate?
- 15 **Health risk assessment.** You are an environmental professional assigned to plan a project requiring assessment of risks to human health potentially posed by a substance or substances that will be emitted to the air, water, soil, or workplace. How does this process apply to sustainability?
- 16 **NEPA Process.** A number of publications have discussed improving and streamlining the National Environmental Policy Act (NEPA) process. Based on recent agency guidance updates and changes in agency perspectives, how would you improve the quality and value of the NEPA process?

- 17 **Climate Change.** How would you suggest teaching how climate change should be analyzed within the planning process?
- 18 **Climate Change.** What approach would you suggest teaching analysis of the effects of climate change on coastal zone development?
- 19 **Project Management.** Describe the basic processes necessary to engage your client and stakeholders in planning for sustainable infrastructure projects. Describe the process and project goals that would be achieved and what metrics should be established for the project as measurement of project sustainability.
- 20 **Mitigation.** How is mitigation defined and what is its importance in environmental planning and review processes? Describe how the integration of sustainable principles could reduce the need for or be used in place of compensatory mitigation?
- 21 **Public Involvement.** Establish the importance of the public involvement process in sustainable planning and provide two examples of the tools and techniques that you have used to effectively plan and manage the public involvement process. What was the outcome of the public involvement process for the project(s) where the example tools were used?



**The Academy of Board Certified Environmental Professionals, Inc.
Code of Ethics and Standards of Practice for Environmental Professionals**

Introduction. 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 the 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 which 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 judgment.

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 my 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.

AFFIRMATION: I hereby affirm and agree that I will abide by the Code of Ethics of the Association. I further understand that falsification of the contents of this application will be grounds for rejection and/or termination of my Association membership and revocation of all benefits resulting there from.

Signature _____ Date: _____