CIVE 3331 - ENVIRONMENTAL ENGINEERING

Exercise 001-1

Read the National Environmental Policy Act of 1969, then briefly answer the following questions:

- a) Title I of the act proclaims "national policy" in regards to the environment and contains
- specific instructions on how Federal agencies shall act. It also contains instructions to
- individuals. What are the specific responsibilities of individual citizens under the act?
- b) Title II of the act creates an entity in the Executive Office of the President of the United
- States. What is the title of this entity?
- c) Title II provides examples of environmental classes (essentially defines of what the

environment is comprised). List these examples.

A copy of the legislation is attached as a PDF file named: NEPA 1969.pdf

Exercise 001-2

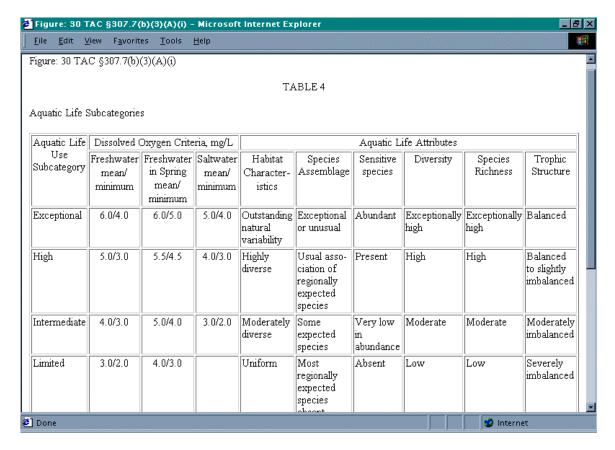
Write a brief essay where you compare and contrast the concepts between effluent/emissions-based standards and quality/ambient-based standards.

Exercise 001-3

Using the world-wide-web find, read, and write one page summaries of

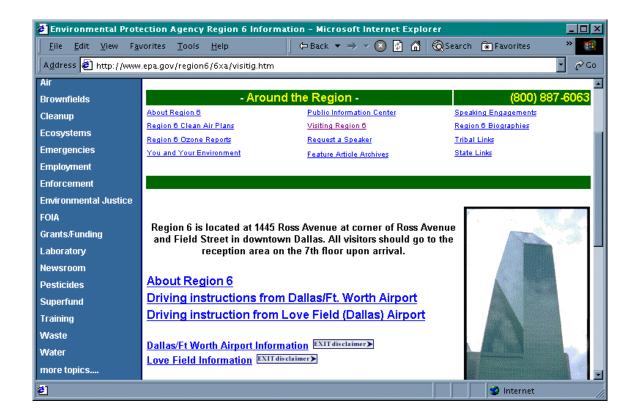
- a) PL 92-500
- b) Superfund
- c) CERCLA
- d) Current water quality standards for non-designated streams in Texas.

The water quality standards for Texas are published in the Texas Administrative Code. The relevant portions are TAC Title 30, Part 1, Chapter307, Subchapter 307.7 (and other sections). A copy of a relevant section is attached below. In this particular table, the lowest allowed DO in Texas is 2.0 mg/L in relatively poor water.



Exercise 001-4

Using the world-wide-web find the current address of the Region 6 headquarters of EPA. Attach a print-out of the Region 6 home page.

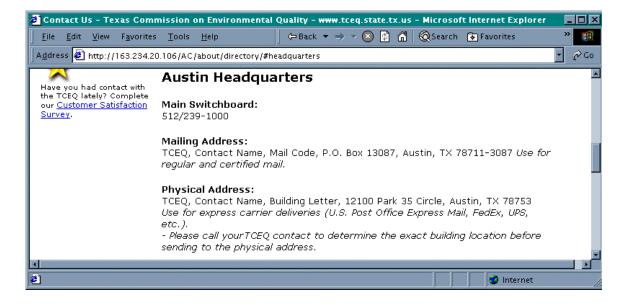


Exercise 001-5

Using the world-wide-web find the current address of the headquarters of the Texas Natural Resources Conservation Commission Texas Commission on Environmental Quality. The strike-through name is the previous name for this State Agency. When was the name changed?

Name was changed in 2000 after sunset review by the legislature.

Attach a print-out of the web page of the state agency (home page only!).



Exercise 001-6

The concept of "commons" is fundamental to environmental law and engineering. Find the article listed below in the library and attach a copy to this exercise.

Hardin, G., 1968. "The tragedy of the commons." Science, 162, pp. 1243-1248.

The "Tragedy of the Commons" suggests several methods to allocate limited resources. Find examples from daily life or from the newspaper where resources are allocated in the manner described in the article. Prepare a brief essay where each of the allocation methods in the article is identified and an example from daily life is presented.

<<URL www.dieoff.com/page95.htm >>

Document History:

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