



INDIVIDUAL ASSIGNMENT #4
DUE ON: 17 AUGUST 2018

CE315 ENVIRONMENTAL ENGINEERING
Engr. Reynaldo P Ramos, PhD

Due Date: 17 August 2018
Notebook, handwritten

TOPIC: WATER QUALITY GUIDELINES AND WATER USAGE STANDARDS

1. Download and read the following handout materials.
 - a. Philippine National Standards for Drinking Water 2007
 - b. Water Quality Guidelines and General Effluent Standards of 2016
 - c. Revised Effluent Regulations of 1990, Revising and Amending the Effluent Regulations of 1982

2. Answer the following questions.

2.1 Definition of Terms

- a. Coliform organism
- b. Chlorination
- c. Coagulation
- d. Disinfection
- e. Drinking water
- f. Effluent
- g. Fecal coliforms
- h. Fresh water
- i. Ground Water
- j. Level I water source system
- k. Level II water source system
- l. Level III water source system
- m. Potable water
- n. Water refilling stations
- o. Water softening
- p. Pollutant
- q. Marine waters
- r. Water pollution
- s. BOD
- t. COD
- u. pH

2.2 What are the priority parameters (physical, chemical and microbial) to be tested for drinking water?
What are the allowable limits for each parameter (if available). Make a table or matrix to show the limits.

2.3 Make a separate Xerox copy of Tables 3, 4, 5 and 6 from DENR Administrative Order No.2016-08 pages 6-8.

NOTE: Write you answers in your notebook. Please include the Case Study computations on Environmental Decisions in your notebook too. Tables 3, 4, 5 and 6 will be fastened or stapled in the notebook as well.