**ROMBLON STATE UNIVERSITY**

**College of Engineering and Technology**

**Main Campus, Odiongan, Province of Romblon**

**INDIVIDUAL ASSIGNMENT #5**

**CE4113 ENVIRONMENTAL ENGINEERING MW: 10-11:30; TTH: 10-11:30AM**

**Engr. Reynaldo P Ramos, PhD MF: 4-5:30; TTH: 4-5:30PM**

**TOPIC: Philippine Legislations and Water Quality Standards. This is the identification of the physical , chemical, and bacteriological properties of water; measuring water quality parameters; acceptable limits for drinking water, and the general effluent standards**

**INSTRUCTION:**

1. Enumerate and define the physical, chemical and bacteriological/microbiological properties of water.
2. What are the priority parameters for the drinking water quality monitoring in the Philippines? Draw a table that shows the standard values/permissible limits for these priority parameters.
3. Xerox/Photocopy or draw a table that shows the water quality primary parameters for Freshwater Water Body Usage/Classification (AA, A, B, C, D).
4. Xerox/Photocopy or draw a table that shows the effluent standards for Freshwater Water Body (AA, A, B, C, D).
5. What are the most important processes in a water treatment plant/system? Define each process/component.
6. Write your answers in your notebook dedicated for Environmental Engineering subject.

**DUE DATE ON 18 August 2017, FRIDAY BEFORE 5:00PM (IN ALL BLOCK SECTIONS 3RD/4TH YEARS)**

**SUGGESTED READING MATERIALS:**

Vesilind P.A, Morgan, S.M., and Heine, L.G. (2013*). Introduction to Environmental Engineering*, 1st Philippine reprint, Singapore: Cengage Learning Asia Pte Ltd.

Department of Environment and Natural Resources (2016). *DENR Administrative Order No. 2016-08*, May 24, 2016.

Department of Health (2007). *Philippine National Standards for Drinking Water 2007, Administrative Order No.2007-012, March 9, 2007.*