Reading Guide

CEEG 340–Introduction to Environmental Engineering
Instructor: Deborah Sills
Reading assigned for Wednesdsay 9/18: Textbook, pp.121–129

After completing the reading, you should be able to:

1. Define the terms *conservative compound, zero-order decay, first-order decay*

2. Apply the principle of mass balance to calculate concentrations in a completely mixed flow reator under the following conditions:

    (a) steady state with a conservative chemical,

    (b) steady state with a reactive chemical that degrades according to a first-order rate equation,

    (c) nonsteady state with a reactive chemical that degrades according to a first-order rate equation,

    (d) nonsteady state with a conservative chemical