



Proposed EFDC_Explorer7 - Edmonton Training Course Agenda

December 10-14, 2012

- Day 1 – December 10
 - Welcome, Introduction, Copying Training Course files
 - EFDC/EFDC_Explorer Overview
 - Hydrodynamic Modeling Approaches
 - EFDC Introduction and Model Theory
 - EFDC_Explorer7 Installation and Configuration
 - Hands-on 1-D River
 - Building the grid
- Day 2 – December 11
 - Hydrodynamics
 - Dye
 - Geo-referencing maps for EE use
 - EE Model Calibration Tools
 - EFDC/EFDC_Explorer Sediment Transport Introduction
 - Hands-on 1-D River
 - Extend 1-D River to Sediment Transport
- Day 3 – December 12
 - EFDC/EFDC_Explorer Water Quality Introduction
 - Hands-on 1-D River
 - Extend 1-D River to a simple WQ case using only COD & DO
 - EFDC/EFDC_Explorer Toxic Transport Introduction
 - Hands-on 1-D River
 - Extend river model to one PAH
- Day 4 – December 13
 - Hands-on 2-D River
 - Building the grid
 - KML and Google Maps
 - Hydrodynamics
 - Time Varying BC's
- Day 5 – December 14
 - LAR Model Review
 - Grid
 - Bathymetry
 - Boundary Conditions
 - Initial Conditions
 - Hands-on with LAR Model