



## ***Reverse Osmosis System Design Workshop***

**Instructor: Mr. Peter Cartwright**

**Course: 1:00 pm – 5:00 pm, .4 CEUs**

The design of reverse osmosis treatment systems utilizing spiral wound membrane elements is affected by numerous factors such as feedwater quality and temperature. The quality of the permeate stream is a function of the specific design and requires a thorough understanding of a number of design parameters.

This workshop utilizes a collaborative problem-solving approach whereby participants work together in groups in a casual environment.

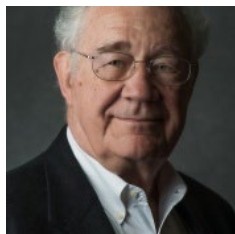
Data are initially provided in handouts to give the participants the necessary tools, and then a problem is handed out to each participant. They then work in groups of 4 to 6 to collaboratively solve as many as eight problems, one at a time.

For each problem, after an appropriate period of time, the problem solution is handed out and discussed.

This course is directed towards the engineer and other professionals involved in the design, construction, operation and maintenance of reverse osmosis systems.

This course provides the participants with the tools to understand the numerous factors affecting reverse osmosis system design and performance.

### **Peter Cartwright:**



Peter has been in the water and wastewater treatment industry for 43 years, and has had his consulting engineering company since 1980. He has delivered over 30 lectures and written the same number of articles on water/wastewater treatment technologies. He was the 2016 Distinguished McElhiney Lecturer for the National Groundwater Assn. and is a member of most of the water related organizations. He is a past Board member of the American Filtration & Separations Society and a regular contributor to their technical programs.