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The WWOA Southern Section is holding a meeting with two training classes as detailed below on Wednesday, November 15, 2023, at MCET, College of Southern Maryland, Hughesville Campus. The registration fee for WWOA members is \$35 for training, morning refreshments and lunch. Non-member price is \$60 and includes membership in WWOA through December 31, 2024. 50/50 tickets will be on sale to benefit the Southern Section. Please come out to support your Association and enhance your knowledge!

AGENDA

8:00 - 8:30 Registration (coffee, juice, donuts)

8:30 - 12:00 ***Applied Process Mathematics (Part 1) **** **Instructor:** Dan Hamilton

TRE 6026-16-11: All Operators (Process), 7 hours, (1.5x)

Class Description: Operators often have to use higher level mathematical formulas to perform their day-to-day work functions. This course will build on mathematical concepts taught in Introduction to Applied Process Mathematics and is designed to provide operators with problem solving skills specific to the water and wastewater industry. Participants will practice manipulating formulas for unknown variables, analyze operational problems using math skills, and review math skills necessary for certification exams. Upon completion of this course, the student should be able to calculate operational problems such as flow quantity, effluent treatment and sludge volume.

8:30 -12:00 ***Troubleshooting Centrifugal Pumps (Part 1) **** **Instructor:** Tom Spalding

TRE 190-86-09, All Operators, Non-Process, 7.5 hours (1.5x)

Class description: *Operators will be introduced to the basic troubleshooting skills needed when a centrifugal pump shows signs of failure. The course includes a review of basic hydraulic terminology and component functionality. Additionally, a study of a typical pump curve and a discussion of water, brake and motor horsepower will provide the operator with a background in centrifugal pumps and their operating principles. Troubleshooting typical centrifugal pump problems based on given symptoms will be covered in detail.*

12:00 - 1:00 **Lunch/Business Meeting**

1:00 - 4:30 ***Applied Process Mathematics (Part 2) ****

1:00 - 4:30 ***Troubleshooting Centrifugal Pumps (Part 2) ****

4:30 **Issue Class Certificates - Adjourn**

NOTE: You must attend both sessions of the class to obtain your training certificate.

Register On-Line at www.wwoa.net (We Accept Credit/Debit Cards Only) You must register no later than Wednesday, **November 8, 2023.**