

## Stormwater Treatment Training Series Chitosan – Enhanced Sand Filtration (CESF)

### REGISTRATION FORM

The purpose of this course is to provide an understanding of the changing regulations and standards implemented by the Washington State Department of Ecology (Ecology) in recent years regarding Stormwater Treatment. Our instructor, John W. Macpherson, is a *Certified Professional in Erosion and Sediment Control* by EnviroCert International. Further, Ecology and University Mechanical Contractors, Inc. (UMC) entered into a Memorandum of Agreement for the implementation of the Chitosan-Enhanced Sand Filtration (CESF) training and certification program on *February 4, 2014* and is effective for three (3) years. This class represents the eight (8) hours of class room instruction toward obtaining a CESF Certification.

In addition to the eight (8) hours of class room instruction the **Course Prerequisites** as given below must be completed along with thirty-two (32) hours of hands-on training. UMC can issue the final certification upon receipt the Senior Operator training records for the thirty-two (32) hours of hands-on instruction and a letter from either the Environment & Safety Manager or Facility Manager stating the fundamental knowledge is present and has been observed.

**Course Prerequisites:**

1. Current certification as a Certified Erosion and Sediment Control Lead (CESCL), through an Ecology-approved CESCL training course.
2. Fundamental knowledge of stormwater quality testing procedures and methods for parameters applicable to the region/locale.
3. Fundamental knowledge of high-pressure sand filtration systems.
4. Fundamental knowledge of water pumping and piping systems.
5. Fundamental knowledge of stormwater discharge regulations and permits for applicable region/locale

**Course Instruction Topics:**

1. Introduction
2. Understanding Stormwater Regulations
3. Water Treatment Chemistry Using Chitosan
4. CESF Treatment System Design Considerations
5. Chitosan-Enhanced Sand Filtration Operations and Maintenance Manual
6. Health and Safety

Completion of this course, plus hands-on and prerequisites will earn participants a *Chitosan-Enhanced Sand Filtration Operator's Certification* through Ecology that will last for two 2 years. (NOTE: Lunch is not provided.)

REGISTRANT NAMES:			
COMPANY NAME:			
NAME ON CARD:			
CARD TYPE:	AMEX <input type="checkbox"/>	VISA <input type="checkbox"/>	MC <input type="checkbox"/>
CARD NUMBER:			
	(16 digit account #)		(CVV/CVC CODE)
EXPIRATION DATE:			
BILLING ADDRESS:			
	(Address)		
	(City, State, Zip)		

\$900 / Registrant (minimum of 2)

TOTAL \$

Requested Date: \_\_\_\_\_

Requested Time: \_\_\_\_\_

CUSTOMER LOCATION:

Same as Billing or below

\_\_\_\_\_  
(Address)

\_\_\_\_\_  
(City, State, Zip)

UMC Main Office  
11611 49<sup>th</sup> Place West  
Mukilteo, WA 98275